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MAIN CATALOGUE 2018 / 2019

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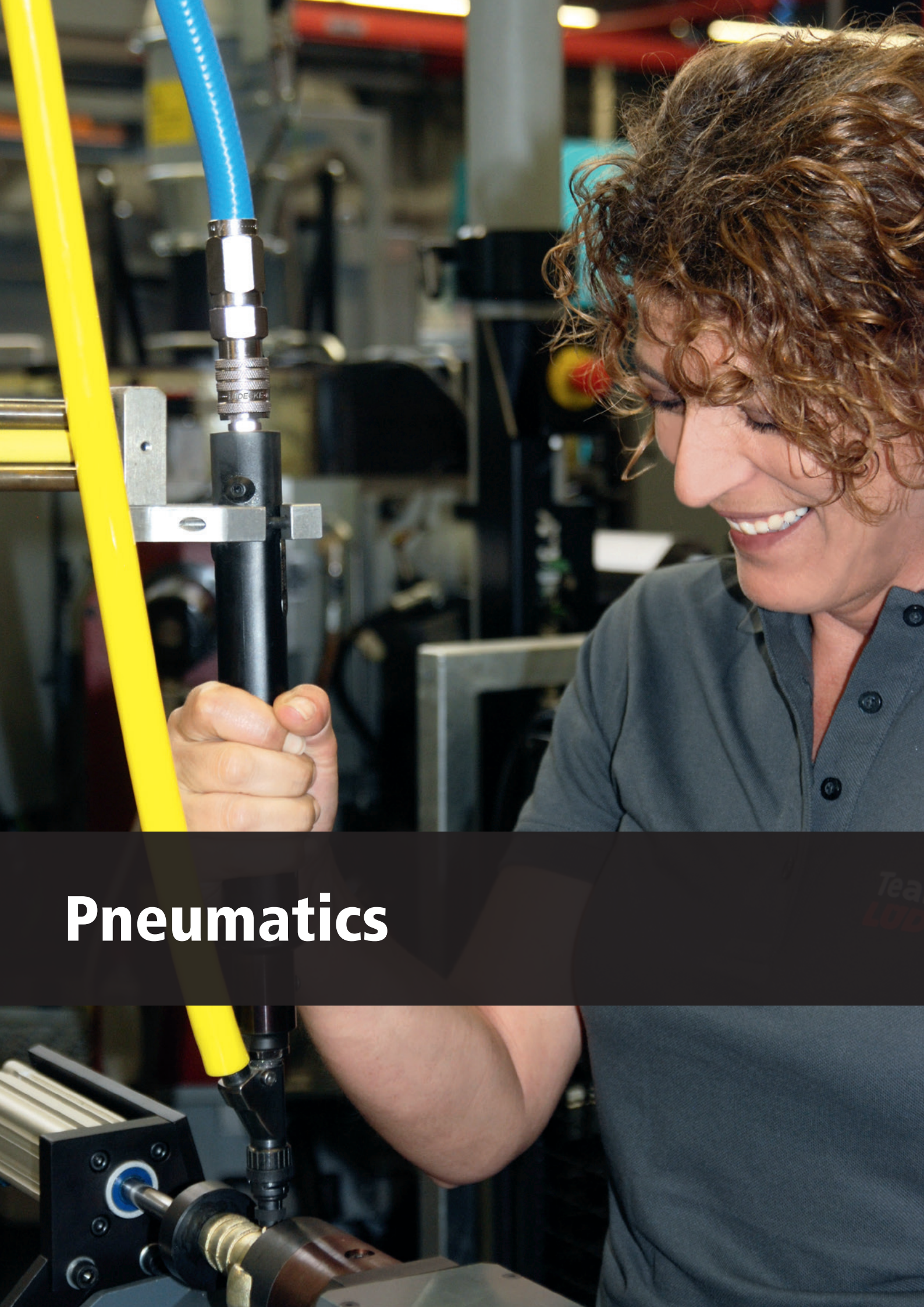
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Pneumatics



MADE IN GERMANY
EFFICIENCY by LÜDECKE
PNEUMATICS

Quick Connect Couplings European Plug Profiles	Quick Connect Couplings International Plug Profiles	MODY-Spiral Hoses
		

Blow-off Valves and Blow-off Guns	Pneumatic Screwings and Fittings	Hose Clamps, Hose Clips, Ferrules
		

OptiFlow by LÜDECKE

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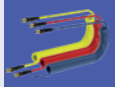
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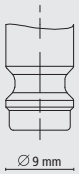
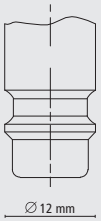
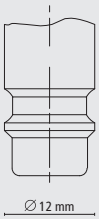
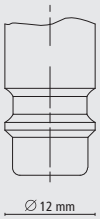
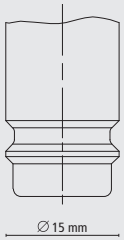
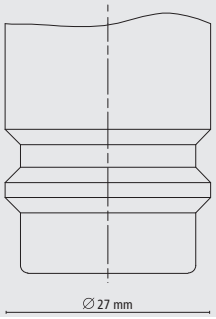
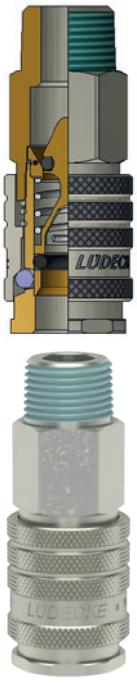
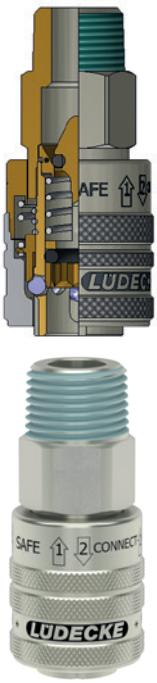
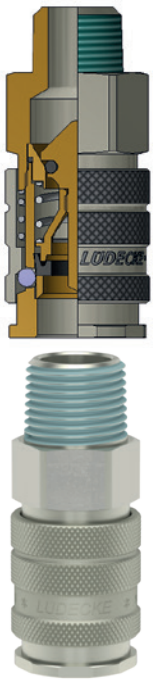
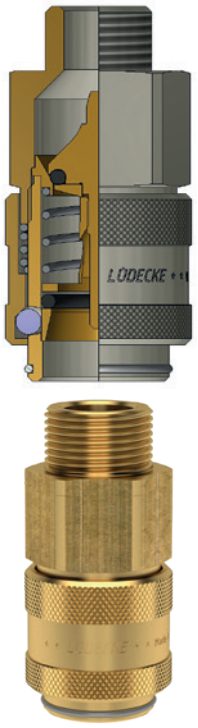


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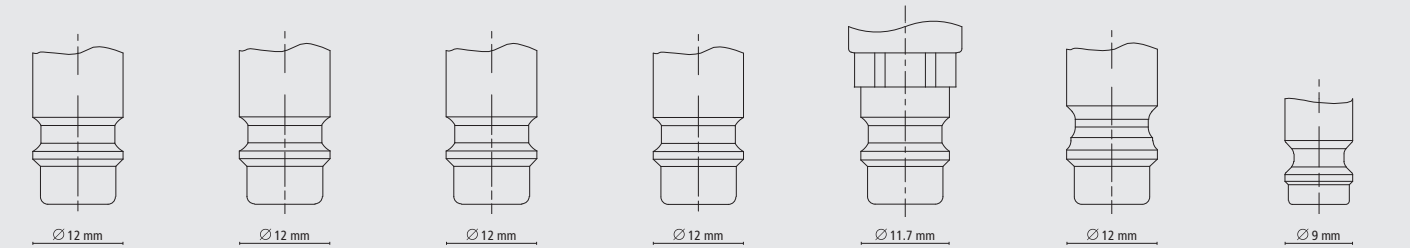
Overview of the Quick Connect Couplings with

	Quality-Line			*OptiFlow*-Line			
Series	**ESMC** DN 2.7	**ESM** DN 5	**ES** DN 7.2	**ESI** DN 7.8	**ESIS** DN 7.8	**ESIG** DN 10	**ESG** DN 19
Plug Profile (original size)	 ∅5 mm	 ∅9 mm	 ∅12 mm	 ∅12 mm	 ∅12 mm	 ∅15 mm	 ∅27 mm
							
Materials:							
Body:	Brass MS 58 nickel-pl.	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 nickel-plated	Brass MS 58 nickel-pl.	Brass MS 58 nickel-pl.	Brass MS 58 plain
Sleeve:	Brass MS 58 nickel-pl.	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Steel hardened+nickel-pl.	Steel hardened+nickel-pl.	Steel hardened+nickel-pl.	Brass MS 58 plain
Valve Body:	Brass MS 58 nickel-pl.	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 nickel-plated	Brass MS 58 nickel-pl.	Brass MS 58 nickel-pl.	Brass MS 58 plain
Valve:	Brass MS 58 nickel-pl.	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 nickel-plated	Brass MS 58 nickel-pl.	Brass MS 58 plain	Brass MS 58 plain
Springs, Retaining ring:	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310
Balls:	Stainless steel 1.3541	Stainless steel 1.3541	–	Stainless steel 1.4034	Stainless steel 1.4034	Stainless steel 1.4034	Stainless steel 1.4034
Pins:	–	–	Stainless steel 1.4305	–	–	–	–
Seals:	Buna N	Buna N	Buna N	Buna N	Buna N	Buna N	Buna N
Special seals for other media on request:	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM	EPDM, FKM, FFKM
Plug:	Brass MS 58 nickel-pl.	Brass MS 58 (plain/n-pl.) /steel zinc-plated	Brass MS 58 (plain/n-pl.) /steel zinc-plated	Steel hardened+nickel-pl.	Steel hardened+nickel-pl.	Steel hardened+nickel-pl./ Brass MS 58 nickel-plated	Brass MS 58 plain
Max. Working Pressure:	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 12 bar	PN 35 bar	PN 35 bar
Temperature:	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
Thread types:	ISO 228/DIN 13	ISO 228/DIN 13	ISO 228/DIN 2999/ DIN 13	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228
Flow rate: at 6 bar [ü] and 0,5 bar press. drop single shut-off	165 l/min	510 l/min	1000 l/min	2000 l/min	1700 l/min	2150 l/min	8000 l/min
Type of valve:	single/double/straight through	single/double/straight through/dripless	single/double/ straight through	single/double/ straight through	single	single/double/ straight through	single/ double
Operation:	One-hand	One-hand	One-hand	One-hand	One-hand	One-hand	One-hand
Page:	10	12	18	26	32	28	30

European Plug Profiles

SafeConnect-Line

ESIS*	ESPN	ES	ESI*	ESIK*	ESI1A/2A*	ESMK
DN 7.8	DN 7.4	DN 7.2	DN 7.8	DN 7.8	DN 7.4	DN 5





Brass MS 58 nickel-pl. Steel hardened+nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4034 – Buna N	Steel zinc-plated Plastic compound material Steel zinc-plated Steel zinc-plated Stainless steel Stainless steel – Buna N	Brass MS 58 plain Brass MS 58 plain Brass MS 58 plain Brass MS 58 plain Stainless steel 1.4310 – Stainless steel 1.4305 Buna N	Brass MS 58 nickel-pl. Steel hardened+nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4034 – Buna N	Brass MS 58 nickel-pl. Steel hardened+nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4034 – Buna N	Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4310 – Buna N	Brass MS 58 plain Aluminium anodised Brass MS 58 plain Brass MS 58 plain Stainless steel 1.4310 Stainless steel 1.3541 – Buna N
EPDM, FKM, FFKM	–	–	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM
Steel hardened+nickel-pl.	Steel hardened+nickel-pl.	Brass MS 58 (plain/n-pl.) /Steel zinc-plated	Steel hardened+nickel-pl.	Steel hardened+nickel-pl.	Brass MS 58 nickel-pl.	Brass MS 58 with anodizsed alu. ring
PN 12 bar	PN 12 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar
-20°C – +100°C	-15°C – +70°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
ISO 228/DIN 2999	ISO 228	ISO 228	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228/DIN 2999	ISO 228
1700 l/min	1650 l/min	1000 l/min	2000 l/min	2000 l/min	1800 l/min	430 l/min
single	single	single	single	single	single	single
One-hand 32	One-hand 34	One-hand 35	One-hand 36	One-hand 38	One-hand 40/ 41	One-hand 42
Self-venting		Sleeve lock mechanism				Visual indication

* SafeConnect-Line + OptiFlow-Line

Micro Quick Connect Couplings
Series ESMC single shut-off

DN 2.7



Also in Stainless Steel Series ESMCE page 212

- High quality one-hand quick connect couplings with smallest dimensions made of brass MS 58 nickel-plated
- Robust, safe and reliable
- Couplings on request also available with red or blue anodised aluminium sleeve, or as straight through and double shut-off version
- Multiple applications in pneumatics, measure, control and regulation technique

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: Buna N

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	2.7	ISO 228 / DIN 13	165 l/min	One-hand	Single shut-off	Air a.o.	Europe	10



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10	5	9	ESMC 5 A
G 1/8 m	28	11	10	7	12	ESMC 18 A



Couplings with female thread

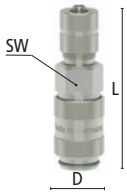
Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	26	9	10	5	10	ESMC 5 I
G 1/8 f	28	12	10	7	14	ESMC 18 I



Couplings with hose barb

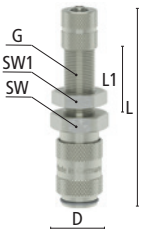
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	35	10	13	9	ESMC 3 T
Hose i.D. 4	35	10	13	10	ESMC 4 T
Hose i.D. 5	35	10	13	10	ESMC 5 T

For hose clips type ZOS (page 314) or type HS (page 315)



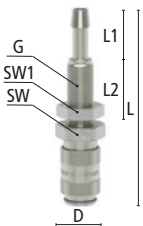
Couplings with squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	33	9	10	15	ESMC 34 TQ
Hose 3x5	33	9	10	15	ESMC 3 TQ
Hose 4x6	32	9	10	15	ESMC 4 TQ



Couplings with squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10	17	11	M 7x0.5 m	26	ESMC 34 TQSV
Hose 3x5	45	12	10	17	11	M 7x0.5 m	26	ESMC 35 TQSV
Hose 4x6	45	12	10	17	12	M 8x0.5 m	26	ESMC 4 TQSV



Couplings with hose barb and bulkhead screwing

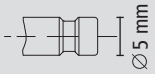
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10	13	17	11	M 7x0.5 m	24	ESMC 3 TSV
Hose i.D. 4	51	12	10	13	17	11	M 7x0.5 m	24	ESMC 4 TSV
Hose i.D. 5	51	12	10	13	17	12	M 8x0.5 m	24	ESMC 5 TSV

Coupling System ESMC also available straight through or with double shut-off for an additional charge.
When ordering just add -AB to the regular Type No.i.e ESMC 5 IAB or ESMC 18 NAAB.

Micro Quick Connect Couplings

single shut-off Series ESMC

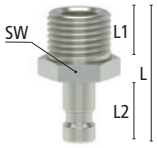
DN 2.7



Plug Profile (original size)

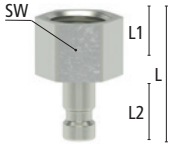
Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	18	7	5	10	3	ESMC 5 NA
G 1/8 m	20	11	7	10	6	ESMC 18 NA



Plugs with female thread

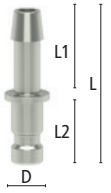
Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	17	7	5	10	3	ESMC 5 NI
G 1/8 f	19	12	7	10	6	ESMC 18 NI



Plugs with hose barb

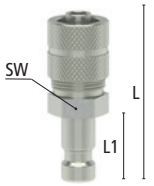
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	24	7	13	10	2	ESMC 3 S
Hose i.D. 4	24	7	13	10	3	ESMC 4 S
Hose i.D. 5	24	9	13	10	3	ESMC 5 S

For hose clips type ZOS (page 314) or type HS (page 315)



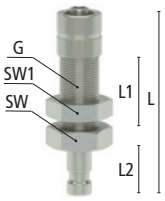
Plugs with squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	25	8	10	12	ESMC 34 SQ
Hose 3x5	25	8	10	12	ESMC 3 SQ
Hose 4x6	25	8	10	12	ESMC 4 SQ



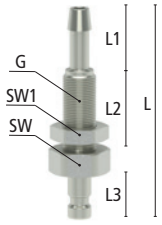
Plugs with squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	38	12	17	10	11	M 7x0.5 m	23	ESMC 34 SQSV
Hose 3x5	38	12	17	10	11	M 7x0.5 m	23	ESMC 35 SQSV
Hose 4x6	38	12	17	10	12	M 8x0.5 m	23	ESMC 4 SQSV



Plugs with hose barb and bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	45	12	13	17	10	11	M 7x0.5 m	21	ESMC 3 SSV
Hose i.D. 4	45	12	13	17	10	11	M 7x0.5 m	21	ESMC 4 SSV
Hose i.D. 5	45	12	13	17	10	12	M 8x0.5 m	21	ESMC 5 SSV



Special versions and versions in brass plain on request.

Mini Quick Connect Couplings
Series ESM single shut-off

DN 5



- Mini one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Couplings on request also available with red or blue anodised aluminium sleeve
- Multiple applications in pneumatics, compressed air lines, measure-, control- and regulation technique

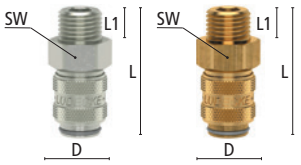
Materials

- Body, sleeve, valve body, valve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: Buna N (on request EPDM, FKM or FFKM)
- Plug: Brass MS 58 plain/ nickel-plated or steel zinc plated and yellow passivated (free of chrome VI)

Also in Stainless Steel Series ESME page 217

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 13	510 l/min	One-hand	Single shut-off	Air a.o.	Europe	10

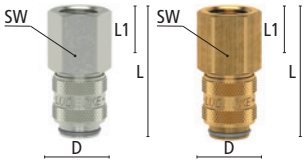
Couplings with male thread



Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMN 18 A	ESM 18 A
G 1/4 m	38	17	16	9	36	ESMN 14 A	ESM 14 A
G 3/8 m	38	19	16	9	43	ESMN 38 A	ESM 38 A
M 10x1 m	37	14	16	7	35	ESMN 101 A	ESM 101 A
M 12x1.5 m	39	17	15	10	37	ESMN 121 A	ESM 121 A
M 14x1.5 m	39	17	16	10	37	ESMN 141 A	ESM 141 A

Male thread sealing with PVC-packing rings type HPD (page 167)

Couplings with female thread



Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 f	37	14	16	9	32	ESMN 18 I	ESM 18 I
G 1/4 f	38	17	16	9	38	ESMN 14 I	ESM 14 I
G 3/8 f	39	19	16	10.5	39	ESMN 38 I	ESM 38 I
M 10x1 f	38	14	16	9	36	ESMN 101 I	ESM 101 I
M 12x1.5 f	38	17	16	9	39	ESMN 121 I	ESM 121 I
M 14x1.5 f	38	17	16	9	37	ESMN 141 I	ESM 141 I

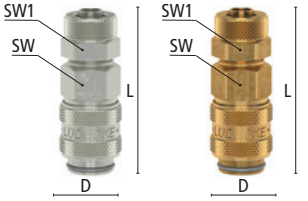
Couplings with hose barb



Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	46	16	17	27	ESMN 4 T	ESM 4 T
Hose i.D. 5	46	16	17	27	ESMN 5 T	ESM 5 T
Hose i.D. 6	46	16	17	27	ESMN 6 T	ESM 6 T
Hose i.D. 8	46	16	17	29	ESMN 8 T	ESM 8 T
Hose i.D. 9	46	16	17	29	ESMN 9 T	ESM 9 T

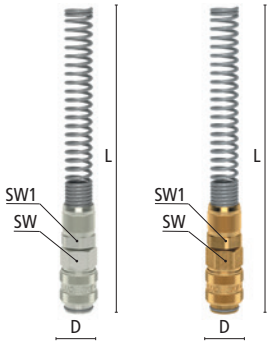
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Couplings with squeeze nut (rigid and swivelling)



Hose connection	L	SW	D	SW1	Version	Weight	Type No. n. plated	Type No. plain
Hose 3x5	42	14	16	-	rigid	30	ESMN 35 TQ	ESM 35 TQ
Hose 4x6	43	14	16	12	rigid	32	ESMN 4 TQ	ESM 4 TQ
swivelling Hose 4x6	60	14	16	12	swivelling	40	ESMN 4 TQDR	ESM 4 TQDR
Hose 6x8	43	14	16	14	rigid	34	ESMN 6 TQ	ESM 6 TQ
swivelling Hose 6x8	60	14	16	14	swivelling	42	ESMN 6 TQDR	ESM 6 TQDR

Couplings with squeeze nut and spring guard (rigid and swivelling)



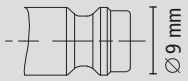
Hose connection	L	SW	D	SW1	Version	Weight	Type No. n. plated	Type No. plain
Hose 3x5	100	14	16	11	rigid	35	ESMN 35 TQF	ESM 35 TQF
Hose 4x6	120	14	16	12	rigid	39	ESMN 4 TQF	ESM 4 TQF
swivelling Hose 4x6	130	14	16	12	swivelling	48	ESMN 4 TQFDR	ESM 4 TQFDR
Hose 6x8	130	14	16	14	rigid	44	ESMN 6 TQF	ESM 6 TQF
swivelling Hose 6x8	140	14	16	14	swivelling	55	ESMN 6 TQFDR	ESM 6 TQFDR

Special versions on request.

Mini Quick Connect Couplings

single shut-off Series ESM

DN 5

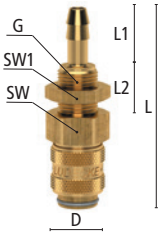


Plug Profile (original size)

Bulkhead couplings

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 4	60	14	17	17	14	14	M 10x1 m	40	ESM 4 TSV
Hose i.D. 6	60	17	17	17	14	17	M 12x1 m	45	ESM 6 TSV
Hose i.D. 9	60	17	17	17	14	19	M 12x1 m	47	ESM 9 TSV

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



NEW!

Couplings with plug DN 7.2-ES-System adapter

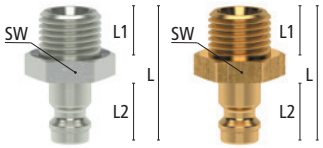
Connection	L	D	L1	DS	Weight	Type No.
Plug ES DN 7.2	49	16	20	12	33	ESMK-ESS



Plugs with male thread

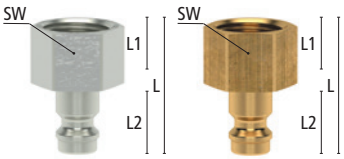
Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 m	25	13	7	14	Brass MS 58	11	ESMN 18 NA	ESM 18 NA
G 1/4 m	27.5	17	9	14	Brass MS 58	18	ESMN 14 NA	ESM 14 NA
G 3/8 m	27.5	19	9	14	Brass MS 58	21	ESMN 38 NA	ESM 38 NA
M 10x1 m	26	13	8	14	Brass MS 58	11	ESMN 101 NA	ESM 101 NA
M 12x1.5 m	28.5	17	10	14	Brass MS 58	18	ESMN 121 NA	ESM 121 NA
M 14x1.5 m	28.5	17	10	14	Brass MS 58	19	ESMN 141 NA	ESM 141 NA
G 1/8 m	25	13	7	14	Steel zinc-pl.	10		ESM 18 NAS
G 1/4 m	27.5	17	9	14	Steel zinc-pl.	16		ESM 14 NAS

Male thread sealing with PVC-packing rings type HPD (page 167)



Plugs with female thread

Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 f	25	13	9	14	Brass MS 58	12	ESMN 18 NI	ESM 18 NI
G 1/4 f	26	17	10	14	Brass MS 58	18	ESMN 14 NI	ESM 14 NI
G 3/8 f	26.5	19	10.5	14	Brass MS 58	22	ESMN 38 NI	ESM 38 NI
M 6 f	22.5	12	8	14	Brass MS 58	11	ESMN 6 NI	ESM 6 NI
M 8 f	24	12	10	14	Brass MS 58	11	ESMN 8 NI	ESM 8 NI
M 10x1 f	22.5	13	7	14	Brass MS 58	10	ESMN 101 NI	ESM 101 NI
M 12x1.5 f	25	17	9	14	Brass MS 58	19	ESMN 121 NI	ESM 121 NI
M 14x1.5 f	25	17	9	14	Brass MS 58	17	ESMN 141 NI	ESM 141 NI
G 1/8 f	25	13	9	14	Steel zinc-pl.	11		ESM 18 NIS
G 1/4 f	26	17	10	14	Steel zinc-pl.	17		ESM 14 NIS

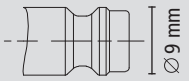


Coupling System ESM also available straight through for an additional charge.
When ordering just add -O to the regular Type No. i.e ESM 6 TO.
Minimum quantity 50 pc/type!

Mini Quick Connect Couplings

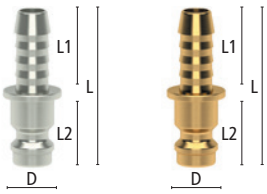
Series ESM single shut-off

DN 5



Plug Profile (original size)

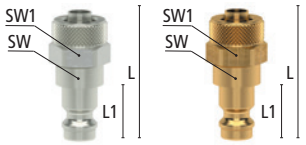
Plugs with hose barb



Hose connection	L	D	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	32	9	16.5	14	Brass MS 58	7	ESMN 4 S	ESM 4 S
Hose i.D. 5	32	12	16.5	14	Brass MS 58	8	ESMN 5 S	ESM 5 S
Hose i.D. 6	32	12	16.5	14	Brass MS 58	8	ESMN 6 S	ESM 6 S
Hose i.D. 8	32	12	16.5	14	Brass MS 58	12	ESMN 8 S	ESM 8 S
Hose i.D. 9	38	12	23	14	Brass MS 58	11	ESMN 9 S	ESM 9 S
Hose i.D. 4	32	9	16.5	14	Steel zinc-pl.	6		ESM 4 SS
Hose i.D. 6	32	12	16.5	14	Steel zinc-pl.	7		ESM 6 SS

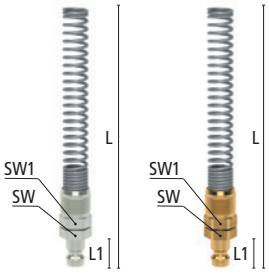
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Plugs with squeeze nut



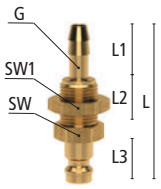
Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	32	12	14	-	14	ESMN 35 SQ	ESM 35 SQ
Hose 4x6	32	-	14	12	6	ESMN 4 SQ	ESM 4 SQ
Hose 6x8	32	-	14	14	23	ESMN 6 SQ	ESM 6 SQ

Plugs with squeeze nut and spring guards



Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	90	12	14	11	24	ESMN 35 SQF	ESM 35 SQF
Hose 4x6	110	-	14	12	26	ESMN 4 SQF	ESM 4 SQF
Hose 6x8	120	-	14	14	29	ESMN 6 SQF	ESM 6 SQF

Plugs with bulkhead screwing



Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 4	50	14	17	14	14	14	M 10x1 m	20	ESM 4 SSV
Hose i.D. 6	50	14	17	14	14	17	M 12x1 m	25	ESM 6 SSV
Hose i.D. 9	50	17	17	14	14	19	M 12x1 m	30	ESM 9 SSV

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



NEW!

System-adapter

Connection	L	D	L1	L2	DS	DS1	Weight	Type No.
DN 5 - DN 7.2	36	14	14	20	12	9	16	ESM-ES

Recoil eliminator for all plug types to avoid the "whip-lash-effect" during disconnection by controlled automatic air-relief of the hose line available on request!

Mini Quick Connect Couplings

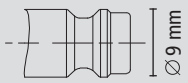
double shut-off Series ESM

DN 5

- Mini one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Double shut-off to avoid leakage of media during disconnection
- Robust, safe and reliable
- Attention: Couplings can be connected with straight through plugs DN 5, double shut-off plugs cannot be connected with single shut-off couplings DN 5
- Several fields of application, above all for liquid media in construction, control technology switchboard cooling etc.

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain or nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: Buna N - extra charge for EPDM and FKM sealing rings



Plug Profile (original size)

Also in Stainless Steel Series ESME page 217

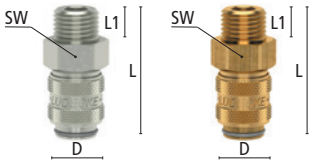
Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 13	330 l/min	One-hand	double shut-off	Air a.o.	Europe	10

Couplings with male thread

NEW!

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMN 18 AAB	ESM 18 AAB
G 1/4 m	38	17	16	9	36	ESMN 14 AAB	ESM 14 AAB
G 3/8 m	38	19	16	9	43	ESMN 38 AAB	ESM 38 AAB
M 10x1 m	37	14	16	7	35	ESMN 101 AAB	ESM 101 AAB
M 12x1.5 m	39	17	16	10	37	ESMN 121 AAB	ESM 121 AAB
M 14x1.5 m	39	17	16	10	37	ESMN 141 AAB	ESM 141 AAB

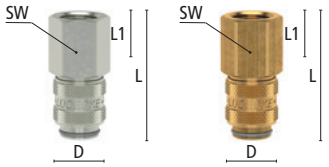
Male thread sealing with PVC-packing rings type HPD (page 167)



Couplings with female thread

NEW!

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 f	37	14	16	9	32	ESMN 18 IAB	ESM 18 IAB
G 1/4 f	38	17	16	9	38	ESMN 14 IAB	ESM 14 IAB
G 3/8 f	39.5	19	16	10.5	39	ESMN 38 IAB	ESM 38 IAB
M 10x1 f	38	14	16	9	34	ESMN 101 IAB	ESM 101 IAB
M 12x1.5 f	38	17	16	9	39	ESMN 121 IAB	ESM 121 IAB
M 14x1.5 f	38	17	16	9	37	ESMN 141 IAB	ESM 141 IAB

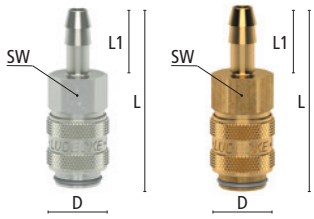


Couplings with hose barb

NEW!

Hose connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	46	14	16	17	27	ESMN 4 TAB	ESM 4 TAB
Hose i.D. 5	46	14	16	17	27	ESMN 5 TAB	ESM 5 TAB
Hose i.D. 6	46	14	16	17	27	ESMN 6 TAB	ESM 6 TAB
Hose i.D. 8	46	14	16	17	29	ESMN 8 TAB	ESM 8 TAB
Hose i.D. 9	46	14	16	17	29	ESMN 9 TAB	ESM 9 TAB

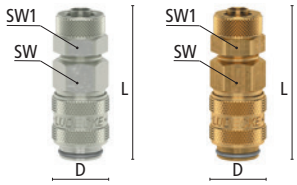
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Couplings with squeeze nut

NEW!

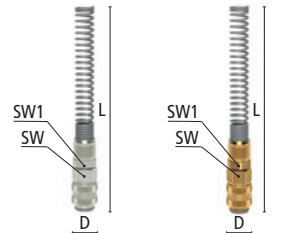
Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	43	14	16	12	32	ESMN 4 TQAB	ESM 4 TQAB
Hose 6x8	43	14	16	14	34	ESMN 6 TQAB	ESM 6 TQAB



Couplings with squeeze nut and spring guard

NEW!

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	120	14	16	12	39	ESMN 4 TQFAB	ESM 4 TQFAB
Hose 6x8	130	14	16	14	44	ESMN 6 TQFAB	ESM 6 TQFAB

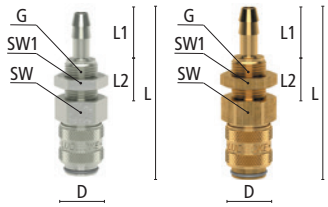


Couplings with bulkhead screwing

NEW!

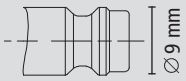
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	60	14	16	17	14	14	M 10x1 m	40	ESMN 4 TSVAB	ESM 4 TSVAB
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESMN 6 TSVAB	ESM 6 TSVAB
Hose i.D. 9	60	17	16	17	14	19	M 12x1 m	47	ESMN 9 TSVAB	ESM 9 TSVAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



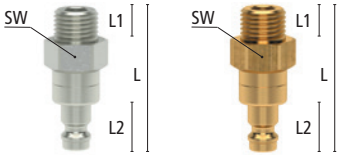
Mini Quick Connect Couplings
Series ESM double shut-off

DN 5



Plug Profile (original size)

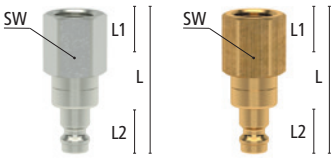
Plugs with male thread



Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
G 1/8 m	40	13	7	14	26	ESMN 18 NAAB	ESM 18 NAAB
G 1/4 m	42	17	9	14	35	ESMN 14 NAAB	ESM 14 NAAB
G 3/8 m	42	19	9	14	42	ESMN 38 NAAB	ESM 38 NAAB
M 12x1.5 m	44	17	10	14	35	ESMN 121 NAAB	ESM 121 NAAB
M 14x1.5 m	44	17	10	14	36	ESMN 141 NAAB	ESM 141 NAAB

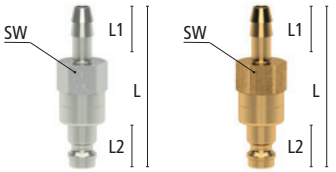
Male thread sealing with PVC-packing rings type HPD (page 167)

Plugs with female thread



Thread connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
G 1/8 f	42	13	9	14	28	ESMN 18 NIAB	ESM 18 NIAB
G 1/4 f	42	17	10	14	38	ESMN 14 NIAB	ESM 14 NIAB
G 3/8 f	43.5	19	10.5	14	38	ESMN 38 NIAB	ESM 38 NIAB
M 12x1.5 f	42	17	9	14	37	ESMN 121 NIAB	ESM 121 NIAB
M 14x1.5 f	42	17	9	14	38	ESMN 141 NIAB	ESM 141 NIAB

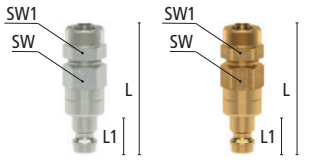
Plugs with hose barb



Hose connection	L	SW	L1	L2	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	50	14	17	14	23	ESMN 4 SAB	ESM 4 SAB
Hose i.D. 6	50	14	17	14	23	ESMN 6 SAB	ESM 6 SAB
Hose i.D. 8	50	14	17	14	25	ESMN 8 SAB	ESM 8 SAB
Hose i.D. 9	50	14	17	14	25	ESMN 9 SAB	ESM 9 SAB

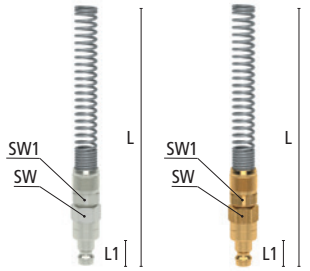
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Plugs with squeeze nut



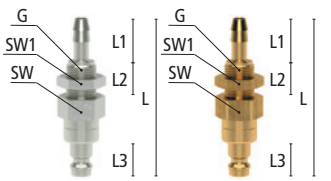
Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	47	14	14	12	32	ESMN 4 SQAB	ESM 4 SQAB
Hose 6x8	47	14	14	14	32	ESMN 6 SQAB	ESM 6 SQAB

Plugs with squeeze nut and spring guard



Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	135	14	14	12	40	ESMN 4 SQFAB	ESM 4 SQFAB
Hose 6x8	135	14	14	14	42	ESMN 6 SQFAB	ESM 6 SQFAB

Plugs with bulkhead screwing



Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	64	14	14	14	17	14	M 10x1 m	45	ESMN 4 SSVAB	ESM 4 SSVAB
Hose i.D. 6	64	14	14	14	17	17	M 12x1 m	45	ESMN 6 SSVAB	ESM 6 SSVAB
Hose i.D. 9	64	14	14	14	17	19	M 12x1 m	45	ESMN 9 SSVAB	ESM 9 SSVAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Mini Quick Connect Couplings

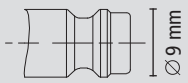
dripless version Series ESMLA

DN 5

- Mini one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- No leaking, dripless version (liquid film, no drop) during the connecting process
- Only to be used with shut-off plugs
- Various fields of application, maily to be used with liquid media, motion and control technology, electrical components and CPUs

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-ring: Buna N (EPDM and FKM on request)

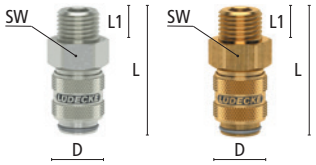


Plug Profile (original size)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 8 bar	-20°C – +100°C	5	ISO 228	Diagram on request	One-hand	Double shut-off	Liquid media	Europe	10

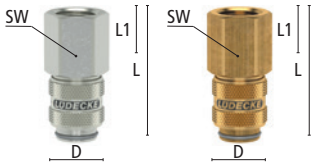
Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMNLA 18 A	ESMLA 18 A
G 1/4 m	38	17	16	9	36	ESMNLA 14 A	ESMLA 14 A
G 3/8 m	38	19	16	9	43	ESMNLA 38 A	ESMLA 38 A



Couplings with female thread

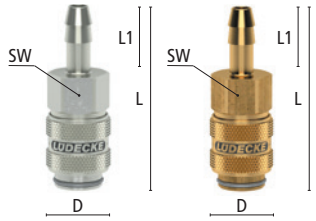
Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 f	37	14	16	9	32	ESMNLA 18 I	ESMLA 18 I
G 1/4 f	38	17	16	9	38	ESMNLA 14 I	ESMLA 14 I
G 3/8 f	39.5	19	16	10.5	39	ESMNLA 38 I	ESMLA 38 I



Couplings with hose barb

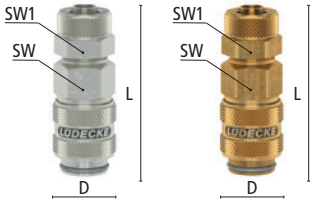
Hose connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	46	14	16	17	27	ESMNLA 4 T	ESMLA 4 T
Hose i.D. 5	46	14	16	17	27	ESMNLA 5 T	ESMLA 5 T
Hose i.D. 6	46	14	16	17	27	ESMNLA 6 T	ESMLA 6 T
Hose i.D. 8	46	14	16	17	29	ESMNLA 8 T	ESMLA 8 T
Hose i.D. 9	46	14	16	17	29	ESMNLA 9 T	ESMLA 9 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



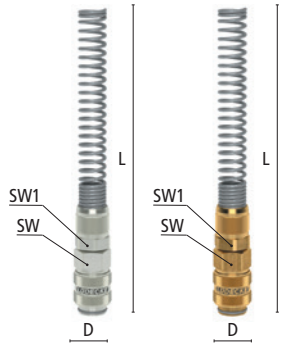
Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	43	14	16	12	32	ESMNLA 4 TQ	ESMLA 4 TQ
Hose 6x8	43	14	16	14	34	ESMNLA 6 TQ	ESMLA 6 TQ



Couplings with squeeze nut and spring guard

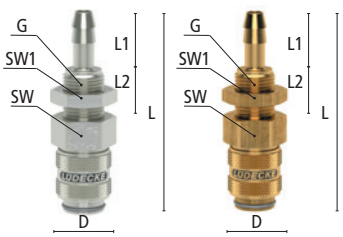
Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	122	14	16	12	47	ESMNLA 4 TQF	ESMLA 4 TQF
Hose 6x8	130	14	16	14	56	ESMNLA 6 TQF	ESMLA 6 TQF



Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plat.	Type No. plain
Hose i.D. 4	60	14	16	17	14	14	M 10x1 m	40	ESMNLA 4 TSV	ESMLA 4 TSV
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESMNLA 6 TSV	ESMLA 6 TSV
Hose i.D. 9	60	17	16	17	14	19	M 12x1 m	47	ESMNLA 9 TSV	ESMLA 9 TSV

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Quick Connect Couplings

The original

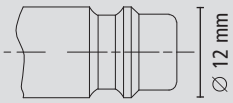
Series ES single shut-off

DN 7.2

- Universal one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Suitable for vacuum despite of lowest coupling force towards all compatible forms
- Sleeve design protects the coupling body from dirt
- For compressed air lines in industry, handcrafts, hobby as well as for water and other media

Materials

- Body, sleeve, valve body, valve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N (EPDM and FKM on request)
- Plug:Brass MS 58 plain/ nickel-plated or steel zinc-plated and yellow passivated (free of chrome VI)

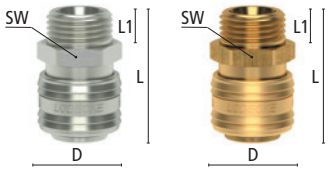


Plug Profile (original size)

Also in Stainless Steel Series ESE page 222

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.2	ISO 228/DIN 2999/DIN 13	1000 l/min	One-hand	Single shut-off	Air a.o.	Worldwide	10

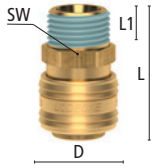
Couplings with male thread



Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	38	22	27	7	70	ESN 18 A	ES 18 A
G 1/4 m	40	22	27	9	73	ESN 14 A	ES 14 A
G 3/8 m	41	22	27	9	76	ESN 38 A	ES 38 A
G 1/2 m	41	24	27	10	87	ESN 12 A	ES 12 A
M 14x1.5 m	40	22	27	9	75	ESN 1415 A	ES 1415 A
M 16x1.5 m	40	22	27	9	75	ESN 1615 A	ES 1615 A
M 18x1.5 m	40	22	27	10	78	ESN 1815 A	ES 1815 A

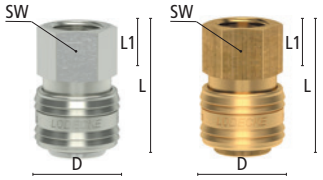
Male thread sealing with PVC-packing rings type HPD (page 167)

Couplings with cylindrical male thread (tapered), Loctite-coated



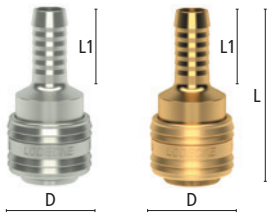
Thread connection	L	SW	D	L1	Weight	Type No. plain
R 1/4 m	42	22	27	11	76	ES 14 AB
R 3/8 m	44	22	27	12	79	ES 38 AB
G 1/2 m	45	22	27	15	96	ES 12 AB

Couplings with female thread



Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 f	39	22	27	9	90	ESN 18 I	ES 18 I
G 1/4 f	41	22	27	10.5	92	ESN 14 I	ES 14 I
G 3/8 f	41	22	27	10.5	85	ESN 38 I	ES 38 I
G 1/2 f	42.5	24	27	12	87	ESN 12 I	ES 12 I
G 3/4 f	43.5	32	27	13	110	ESN 34 I	ES 34 I
M 14x1.5 f	41.5	22	27	11	90	ESN 1415 I	ES 1415 I
M 16x1.5 f	41.5	22	27	11	84	ESN 1615 I	ES 1615 I
M 18x1.5 f	41.5	22	27	12	80	ESN 1815 I	ES 1815 I

Couplings with hose barb



Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 6	55	27	25	64	ESN 6 T	ES 6 T
Hose i.D. 8	55	27	25	67	ESN 8 T	ES 8 T
Hose i.D. 9	55	27	25	68	ESN 9 T	ES 9 T
Hose i.D. 10	58	27	28	70		ES 10 TH*
Hose i.D. 10	55	27	25	70	ESN 10 T	ES 10 T
Hose i.D. 13	58	27	28	75		ES 13 TH*
Hose i.D. 13	55	27	25	75	ESN 13 T	ES 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

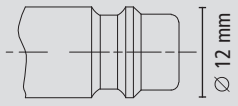
***ES 10 TH and ES 13 TH for the use of various quick-fit hoses (e.g. Parker Push-Lock, Gates Lock-on)**

The original

Quick Connect Couplings

single shut-off Series ES

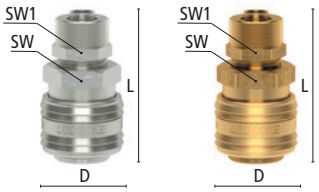
DN 7.2



Plug Profile (original size)

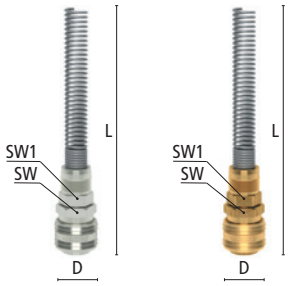
Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	44	22	27	12	73	ESN 4 TQ	ES 4 TQ
Hose 6x8	44	22	27	14	78	ESN 6 TQ	ES 6 TQ
Hose 8x10	48	22	27	17	83	ESN 8 TQ	ES 8 TQ
Hose 9x12	48	22	27	17	85	ESN 9 TQ	ES 9 TQ



Couplings with squeeze nut and spring guard

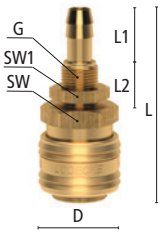
Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	125	22	27	12	85	ESN 4 TQF	ES 4 TQF
Hose 5x8	130	22	27	14	88		ES 58 TQF
Hose 6x8	130	22	27	14	90	ESN 6 TQF	ES 6 TQF
Hose 6.5x10	130	22	27	17	95		ES 6510 TQF
Hose 8x10	136	22	27	19	120	ESN 8 TQF	ES 8 TQF
Hose 8x12	140	22	27	19	130		ES 812 TQF
Hose 9x12	145	22	27	19	141	ESN 9 TQF	ES 9 TQF



Bulkhead couplings

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 6	62	22	27	17	14	17	M 12x1 m	87	ES 6 TSV
Hose i.D. 8	62	22	27	17	14	17	M 12x1 m	88	ES 8 TSV
Hose i.D. 10	70	22	27	25	14	19	M 14x1 m	90	ES 10 TSV

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



NEW!

Couplings with plug DN 5-ESM system adapter

Connection	L	D	L1	DS	Weight	Type No.
Plug ESM DN 5	44	27	14	9	69	ESK-ESMS



Couplings with angle hose barb 45°

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	44	27	27	100	ES 6 T-45
Hose i.D. 9	44	27	27	100	ES 9 T-45
Hose i.D. 13	44	27	30	110	ES 13 T-45

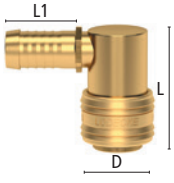
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Couplings with angle hose barb 90°

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	44	27	26	105	ES 6 T-90
Hose i.D. 9	44	27	26	105	ES 9 T-90
Hose i.D. 13	44	27	28	115	ES 13 T-90

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



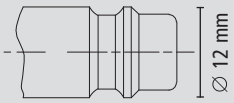
Angle-Thread Couplings available on request.

Quick Connect Couplings

The original

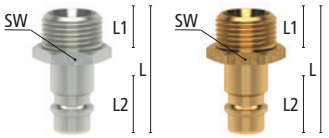
Series ES single shut-off

DN 7.2



Plug Profile (original size)

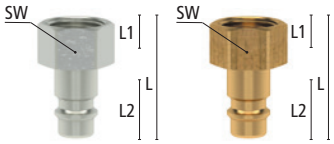
Plugs with male thread



Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 m	31	13	7	20	Brass MS 58	17	ESN 18 NA	ES 18 NA
G 1/4 m	33	17	9	20	Brass MS 58	21	ESN 14 NA	ES 14 NA
G 3/8 m	33	19	9	20	Brass MS 58	26	ESN 38 NA	ES 38 NA
G 1/2 m	35	24	10	20	Brass MS 58	41	ESN 12 NA	ES 12 NA
M 14x1.5 m	33	17	9	20	Brass MS 58	26		ES 1415 NA
M 16x1.5 m	33	19	9	20	Brass MS 58	32		ES 1615 NA
M 18x1.5 m	34	22	10	20	Brass MS 58	36		ES 1815 NA
G 1/8 m	31	13	7	20	Steel zinc-pl.	15		ES 18 NAS
G 1/4 m	33	17	9	20	Steel zinc-pl.	19		ES 14 NAS
G 3/8 m	33	19	9	20	Steel zinc-pl.	24		ES 38 NAS
G 1/2 m	36	24	10	20	Steel zinc-pl.	39		ES 12 NAS

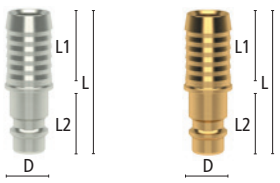
Male thread sealing with PVC-packing rings type HPD (page 167)

Plugs with female thread



Thread connection	L	SW	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
G 1/8 f	31	13	9	20	Brass MS 58	16	ESN 18 NI	ES 18 NI
G 1/4 f	33	17	10	20	Brass MS 58	24	ESN 14 NI	ES 14 NI
G 3/8 f	33	19	10	20	Brass MS 58	23	ESN 38 NI	ES 38 NI
G 1/2 f	35	24	12	20	Brass MS 58	38	ESN 12 NI	ES 12 NI
M 14x1.5 f	33	17	11	20	Brass MS 58	25		ES 1415 NI
M 16x1.5 f	33	19	11	20	Brass MS 58	36		ES 1615 NI
M 18x1.5 f	35	22	12	20	Brass MS 58	43		ES 1815 NI
G 1/8 f	31	13	9	20	Steel zinc-pl.	15		ES 18 NIS
G 1/4 f	33	17	10	20	Steel zinc-pl.	22		ES 14 NIS
G 3/8 f	33	19	10	20	Steel zinc-pl.	21		ES 38 NIS
G 1/2 f	35	24	12	20	Steel zinc-pl.	35		ES 12 NIS

Plugs with hose barb



Hose connection	L	D	L1	L2	Material	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	44	12	22.5	20	Brass MS 58	10	ESN 4 S	ES 4 S
Hose i.D. 6	44	12	24	20	Brass MS 58	14	ESN 6 S	ES 6 S
Hose i.D. 8	44	12	24	20	Brass MS 58	18	ESN 8 S	ES 8 S
Hose i.D. 9	44	12	24	20	Brass MS 58	17	ESN 9 S	ES 9 S
Hose i.D. 10	47	12	26	20	Brass MS 58	21		ES 10 SH*
Hose i.D. 10	44	12	23	20	Brass MS 58	19	ESN 10 S	ES 10 S
Hose i.D. 13	47	15	26	20	Brass MS 58	26		ES 13 SH*
Hose i.D. 13	44	15	23	20	Brass MS 58	24	ESN 13 S	ES 13 S
Hose i.D. 6	44	12	24	20	Steel zinc-pl.	13		ES 6 SS
Hose i.D. 8	44	12	24	20	Steel zinc-pl.	18		ES 8 SS
Hose i.D. 9	44	12	24	20	Steel zinc-pl.	16		ES 9 SS
Hose i.D. 13	44	15	23	20	Steel zinc-pl.	26		ES 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

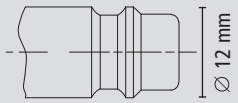
***ES 10 TH and ES 13 TH for the use of various quick-fit hoses (e.g. Parker Push-Lock, Gates Lock-on)**

The original

Quick Connect Couplings

single shut-off Series ES

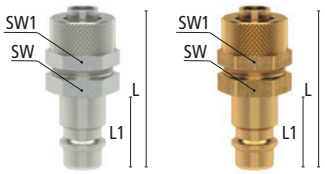
DN 7.2



Plug Profile (original size)

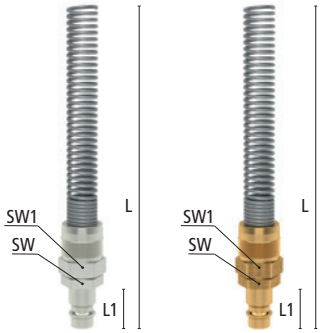
Plugs with squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	34	12	20	-	18	ESN 4 SQ	ES 4 SQ
Hose 6x8	34	14	20	-	19	ESN 6 SQ	ES 6 SQ
Hose 8x10	43	17	20	17	38	ESN 8 SQ	ES 8 SQ
Hose 9x12	43	17	20	17	36	ESN 9 SQ	ES 9 SQ



Plugs with squeeze nut and spring guard

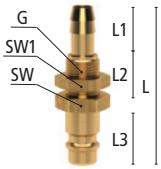
Hose connection	L	SW	L1	SW1	Weight	Type No. n. plated	Type No. plain
Hose 4x6	115	-	20	12	30	ESN 4 SQF	ES 4 SQF
Hose 5x8	115	17	20	14	34		ES 58 SQF
Hose 6x8	115	-	20	14	37	ESN 6 SQF	ES 6 SQF
Hose 6.5x10	115	17	20	17	48		ES 6510 SQF
Hose 8x10	132	17	20	19	83	ESN 8 SQF	ES 8 SQF
Hose 8x12	132	17	20	19	84		ES 812 SQF
Hose 9x12	132	17	20	19	86	ESN 9 SQF	ES 9 SQF



Bulkhead plugs

Hose connection	L	SW	D	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 6	56	14	17	17	14	20	17	M 12x1 m	30	ES 6 SSV
Hose i.D. 8	56	17	17	17	14	20	17	M 12x1 m	35	ES 8 SSV
Hose i.D. 10	56	17	17	17	14	20	19	M 14x1 m	42	ES 10 SSV

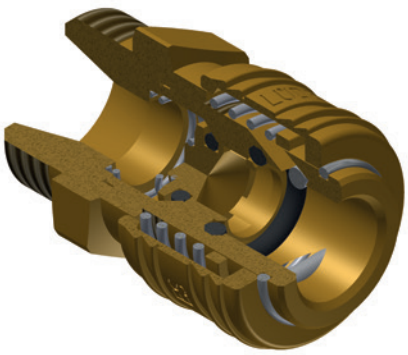
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



System-Adapters

Connection	L	D	L1	L2	DS	DS1	Weight	Type No.
DN 5 - DN 7.2	36	14	20	14	12	9	16	ESM-ES





Recoil eliminator for all plug types to avoid the "whip-lash-effect" during disconnection

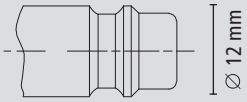
by controlled automatic air-relief of the hose line available on request!

Quick Connect Couplings

The original

Series ES straight-through

DN 7.2



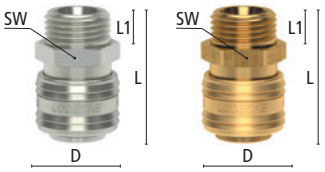
Plug Profile (original size)

- Universal one-hand quick connect couplings in brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Sleeve shape to avoid contamination of the coupling mechanics
- Straight-through for optimized flow capacity, particularly for the application with water or other liquids
- To connect with plug DN 7.2
- To supply compressed air for industries, handcrafts and hobbies as well as water and other media

Materials

- Body, sleeve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N (EPDM and FKM on request)
- Plug: Brass MS 58 plain or nickel-plated/ steel zinc-plated and yellow passivated (free of chrome VI)

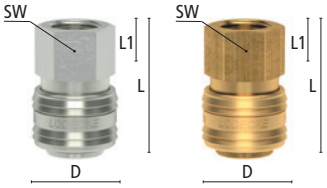
Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.2	ISO 228/ DIN 13	630 l/min	One-hand	Straight-through	Air a.o.	Worldwide	10



Couplings with male thread

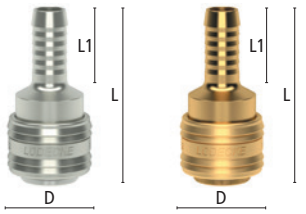
Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/4 m	40	22	27	9	73	ESN 14 AO	ES 14 AO
G 3/8 m	41	22	27	9	76	ESN 38 AO	ES 38 AO
G 1/2 m	41	24	27	10	87	ESN 12 AO	ES 12 AO

Male thread sealing with PVC-packing rings type HPD (page 167)



Couplings with female thread

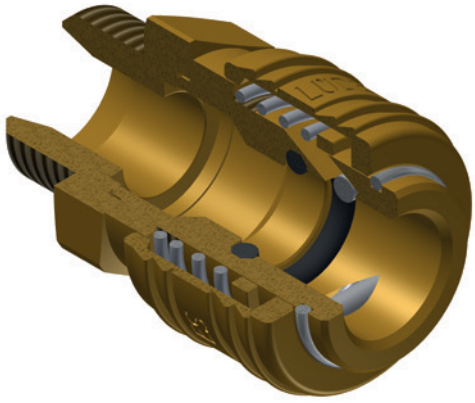
Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/4 f	41	22	27	10.5	92	ESN 14 IO	ES 14 IO
G 3/8 f	41	22	27	10.5	85	ESN 38 IO	ES 38 IO
G 1/2 f	42.5	24	27	12	87	ESN 12 IO	ES 12 IO



Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 6	55	27	25	64	ESN 6 TO	ES 6 TO
Hose i.D. 9	55	27	25	68	ESN 9 TO	ES 9 TO
Hose i.D. 13	55	27	25	75	ESN 13 TO	ES 13 TO

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



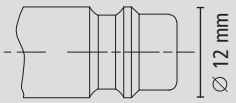
The original

Quick Connect Couplings

double shut-off Series ES

DN 7.2

- Universal one-hand-quick connect couplings made of brass MS 58 plain
- Double shut-off to avoid the escape of media when disconnecting
- Robust, safe and reliable
- Suitable to maintain the TA-Luft on industrial production plants
- Attention: Couplings can be connected with straight-through plugs DN 7.2, valved plugs cannot be connected with single shut-off couplings DN 7.2
- Several fields of application, above all for liquid media in construction, control technology, switchboard cooling etc.



Plug Profile (original size)

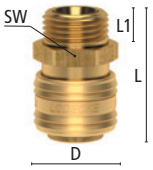
Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain
- O-rings: Buna N - extra charge for EPDM and FKM sealing rings
- Springs, retaining ring: Stainless steel 1.4310 • Pins: Stainless steel 1.4305

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.2	ISO 228	2150 l/min	One-hand	Double shut-off	Air a.o.	Worldwide	10

Also in Stainless Steel Series ESE page 222

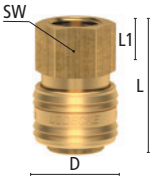
Couplings with male thread



Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	40	22	27	9	73	ES 14 AAB
G 3/8 m	41	22	27	9	76	ES 38 AAB
G 1/2 m	41	24	27	10	87	ES 12 AAB
M 16x1.5 m	40	22	27	9	78	ES 1615 AAB

Male thread sealing with PVC-packing rings type HPD (page 167)

Couplings with female thread



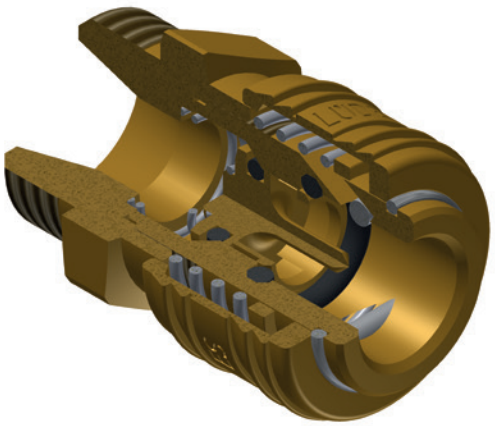
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	41	22	27	10.5	92	ES 14 IAB
G 3/8 f	41	22	27	10.5	85	ES 38 IAB
G 1/2 f	42.5	24	27	12	87	ES 12 IAB
M 16x1.5 f	41.5	22	27	11	85	ES 1615 IAB

Couplings with hose barb



Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	55	27	25	64	ES 6 TAB
Hose i.D. 9	55	27	25	68	ES 9 TAB
Hose i.D. 13	55	27	25	75	ES 13 TAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

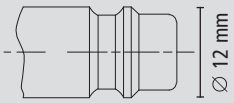


Quick Connect Couplings

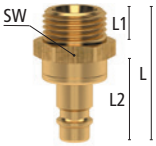
The original

Series ES double shut-off

DN 7.2



Plug Profile (original size)



Plugs with male thread

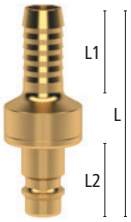
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	43	22	9	20	45	ES 14 NAAB
G 3/8 m	44	22	10	20	48	ES 38 NAAB
G 1/2 m	44	24	10	20	60	ES 12 NAAB
M 16x1.5 m	43	22	9	20	46	ES 1615 NAAB

Male thread sealing with PVC-packing rings type HPD (page 167)



Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	44	22	10.5	20	64	ES 14 NIAB
G 3/8 f	44	22	10.5	20	57	ES 38 NIAB
G 1/2 f	44.5	24	12	20	62	ES 12 NIAB
M 16x1.5 f	43.5	22	11	20	60	ES 1615 NIAB

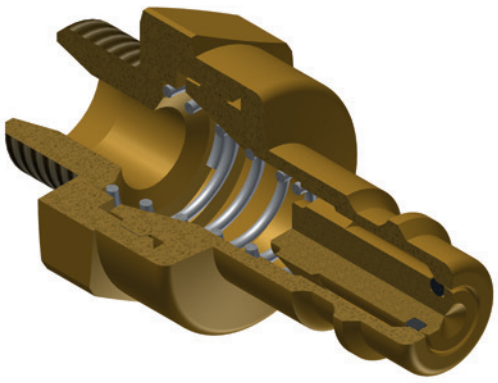


Plugs with hose barb

Hose connection	L	L1	L2	Weight	Type No.
Hose i.D. 6	58	25	20	34	ES 6 SAB
Hose i.D. 9	58	25	20	38	ES 9 SAB
Hose i.D. 13	58	25	20	44	ES 13 SAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Further dimensions on request!



Manifolds for Quick Connect Couplings

made of Brass MS 58

- Manifolds for quick connect couplings made of brass
- Available as 3-way manifold/ 4-way manifold with female thread or 3-way manifold/ 4-way manifold with quick connect couplings DN 7.2
- For the distribution of compressed air on central sampling points

Materials

- Manifold and quick connect coupling: Brass MS 58 plain

Max. Working Pressure	Temperature	Media
PN 35 bar	-20°C – +100°C	Air a.o.

3-Way manifolds with female thread

Thread connection	L	D	Passage		Weight	Type No.
3 x G 3/8 f	46	26	15	5	93	DWS 38
3 x G 1/2 f	50	27.5	19	5	100	DWS 12

3-way manifolds with one-hand quick connect couplings DN 7.2 assembled

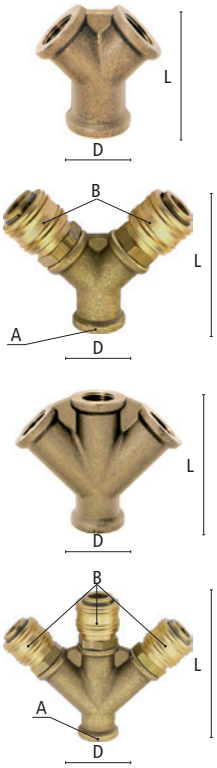
Inlet (A)	Outlet (B)	L	D	Passage		Weight	Type No.
G 3/8 f	2 x ES 38 A	67	26	7.2	1	241	DWS 38 ES
G 1/2 f	2 x ES 12 A	69	27.5	7.2	1	275	DWS 12 ES

4-way manifolds with female thread

Thread connection	L	D	Passage		Weight	Type No.
4 x G 3/8 f	61	26	15	5	191	VWS 38
4 x G 1/2 f	59.5	27.5	19	5	170	VWS 12

4-way manifolds with one-hand quick connect couplings DN 7.2 assembled

Inlet (A)	Outlet (B)	L	D	Passage		Weight	Type No.
G 3/8 f	3 x ES 38 A	92	26	7.2	1	417	VWS 38 ES
G 1/2 f	3 x ES 12 A	91	27.5	7.2	1	435	VWS 12 ES



NEW!

Manifold for Quick Connect Couplings

made of Plastic

- Manifold made of plastic with brass inserts
- 4-way manifold with female thread
- For compressed air on central distribution point
- For wall mounting 4 x Ø 5.5m - 70x44

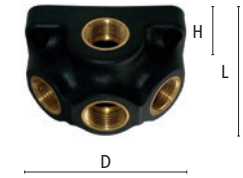
Materials

- Housing: Polyamide 6 with 30% fiberglass
- Inserts: Brass MS 58 plain

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Media	
PN 16 bar	-10°C – +50°C	15	ISO 228	4000l/min	compressed air/neutral. atoxic, non-flammable gases	1

4-way manifold with female thread

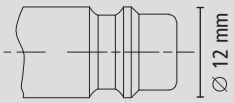
Thread connection	L	D	H	Weight	Type No.
4 x G 1/2 f	52	85	60	230	WV 12



Industrial Quick Connect Couplings

Series ESI single shut-off

DN 7.8



Plug Profile (original size)

- Collar version: protected valve housing
- High quality, extreme robust one-hand quick connect couplings with high class sealing
- High flow rate with low pressure drop due to streamlined valve
- Straight-through or double shut-off on request
- To supply compressed air for industry or handcrafts, especially recommended directly at the tool
- Also interchangeable with plug profile ES DN 7.2, ESPN DN 7.4, a. o.

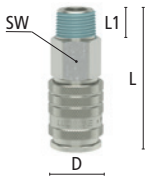
Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve, plug: Hardened steel nickel-plated
- O-rings: Buna N (other sealing materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Also in Stainless Steel Series ESIE page 226

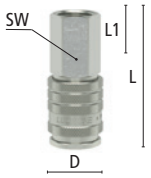
Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.8	ISO 228/DIN 2999	2000 l/min	One-hand	Single shut-off	Air a.o.	Europe	Coupl. 5 / Plug10

Couplings with tapered male thread (thread coated)



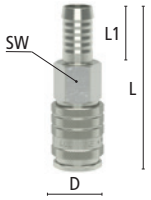
Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	60	19	24	11	98	ESI 14 A
R 3/8 m	61	19	24	12	97	ESI 38 A
R 1/2 m	64	22	24	15	114	ESI 12 A

Couplings with parallel female thread



Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	19	24	10	116	ESI 14 I
G 3/8 f	56	19	24	10	107	ESI 38 I
G 1/2 f	58	24	24	12	125	ESI 12 I

Couplings with hose barb

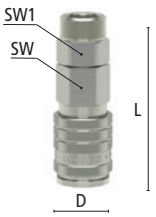


Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73	19	24	25	95	ESI 6 T
Hose i.D. 8	73	19	24	25	97	ESI 8 T
Hose i.D. 9	73	19	24	25	98	ESI 9 T
Hose i.D. 10	73	19	24	25	97	ESI 10 T
Hose i.D. 13	73	19	24	25	101	ESI 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

NEW!

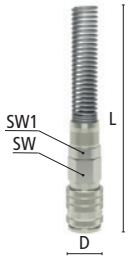
Couplings with squeeze nut



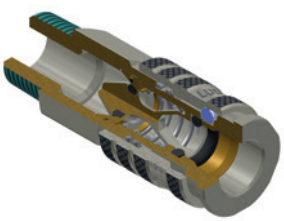
Hose connection	L	SW	D	L1	Weight	Type No.
Hose 5x8	64	19	24	14	110	ESI 58 TQ
Hose 6x8	64	19	24	14	110	ESI 6 TQ
Hose 6.5x8	69	19	24	17	126	ESI 6510 TQ
Hose 8x10	69	19	24	19	134	ESI 8 TQ
Hose 8x12	68	19	24	19	129	ESI 812 TQ
Hose 9x13	70	19	24	19	130	ESI 913 TQ

NEW!

Couplings with squeeze nut and spring guard



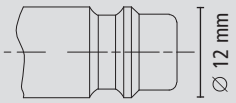
Hose connection	L	SW	D	L1	Weight	Type No.
Hose 5x8	150	19	24	14	124	ESI 58 TQF
Hose 6x8	150	19	24	14	123	ESI 6 TQF
Hose 6.5x8	170	19	24	17	152	ESI 6510 TQF
Hose 8x10	170	19	24	19	162	ESI 8 TQF
Hose 8x12	144	19	24	19	156	ESI 812 TQF
Hose 9x13	170	19	24	19	162	ESI 913 TQF



Industrial Quick Connect Couplings

single shut-off Series ESI

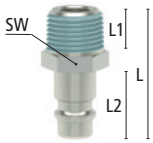
DN 7.8



Plug Profile (original size)

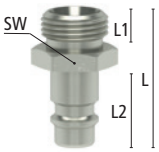
Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	33	13	9	20	14	ESI 18 NARS
G 1/4 m	35	14	11	20	18	ESI 14 NARS
G 3/8 m	36	17	12	20	23	ESI 38 NARS
G 1/2 m	40	22	15	20	47	ESI 12 NARS



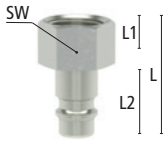
Plugs with parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	33	13	9	20	14	ESI 18 NAS
G 1/4 m	35	14	11	20	18	ESI 14 NAS
G 3/8 m	36	17	12	20	23	ESI 38 NAS
G 1/2 m	40	22	15	20	47	ESI 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	32	13	9	20	16	ESI 18 NIS
G 1/4 f	33	17	10	20	24	ESI 14 NIS
G 3/8 f	33	19	10	20	25	ESI 38 NIS
G 1/2 f	35	24	12	20	40	ESI 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	44	12	24	20	13	ESI 6 SS
Hose i.D. 8	44	12	24	20	18	ESI 8 SS
Hose i.D. 9	44	12	24	20	16	ESI 9 SS
Hose i.D. 10	44	12	24	20	18	ESI 10 SS
Hose i.D. 13	44	15	23	20	26	ESI 13 SS

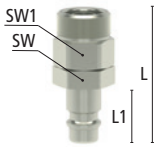
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



NEW!

Plugs with squeeze nut

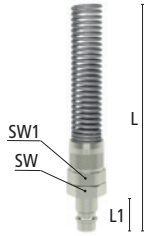
Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 5x8	40	14	20	14	29	ESI 58 SQ
Hose 6x8	40	14	20	14	29	ESI 6 SQ
Hose 6.5x10	44	17	20	17	45	ESI 6510 SQ
Hose 8x10	44	19	20	19	55	ESI 8 SQ
Hose 8x12	46	19	20	19	57	ESI 812 SQ
Hose 9x13	44	19	20	19	50	ESI 913 SQ



NEW!

Plugs with squeeze nut and spring guard

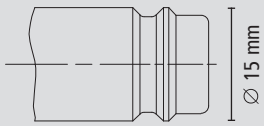
Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 5x8	126	14	20	14	42	ESI 58 SQF
Hose 6x8	127	14	20	14	42	ESI 6 SQF
Hose 6.5x8	145	17	20	17	71	ESI 6510 SQF
Hose 8x10	121	19	20	19	79	ESI 8 SQF
Hose 8x12	123	19	20	19	84	ESI 812 SQF
Hose 9x13	146	19	20	19	83	ESI 913 SQF



Industrial Quick Connect Couplings

Series ESIG single shut-off

DN 10



Plug Profile (original size)

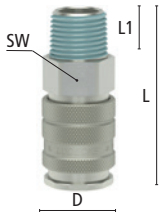
- High-quality, extreme robust one-hand quick connect couplings with superior seal characteristics
- High flow rate with low pressure drop due to streamlined valve
- Special versions, i.e. straight-through couplings on request
- For the supply of compressed air in industry and handcraft at extraction points with extremely high need of compressed air for high-perfomance tools as well as in engineering and construction

Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve, plug: Steel, hardened and nickel-plated
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Buna N (other materials on request)

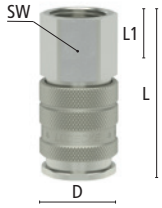
Also in Stainless Steel Series ESIGE page 228

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	10	ISO 228/DIN 2999	2150 l/min	One-hand	single shut-off	Air a.o.	Europe	Coupl. 5 / Plug 10



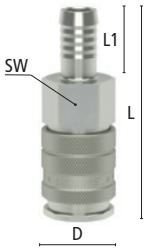
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	63	24	27	12	135	ESIG 14 A
R 3/8 m	63	24	27	12	143	ESIG 38 A
R 1/2 m	65	24	27	17	147	ESIG 12 A
R 3/4 m	65	27	27	17	155	ESIG 34 A



Couplings with parallel female thread

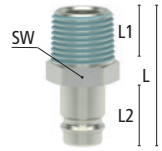
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	24	27	11	136	ESIG 14 I
G 3/8 f	56	24	27	11	145	ESIG 38 I
G 1/2 f	56	24	27	12	135	ESIG 12 I
G 3/4 f	60	32	27	16	200	ESIG 34 I



Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 9	76	24	27	25	150	ESIG 9 T
Hose i.D. 10	76	24	27	25	150	ESIG 10 T
Hose i.D. 13	76	24	27	25	152	ESIG 13 T
Hose i.D. 16	76	24	27	25	152	ESIG 16 T
Hose i.D. 19	76	24	27	25	160	ESIG 19 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



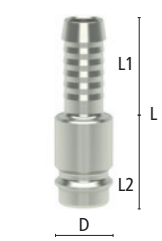
Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	40	17	12	21	30	ESIG 14 NAS
R 3/8 m	40	17	12	21	32	ESIG 38 NAS
R 1/2 m	45	22	17	21	35	ESIG 12 NAS
R 3/4 m	48	27	19	21	37	ESIG 34 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	34	17	10	21	36	ESIG 14 NIS
G 3/8 f	34	19	11	21	42	ESIG 38 NIS
G 1/2 f	37	24	12	21	41	ESIG 12 NIS
G 3/4 f	42	32	16	21	43	ESIG 34 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 9	48	15	25	21	24	ESIG 9 SS
Hose i.D. 10	48	15	25	21	24	ESIG 10 SS
Hose i.D. 13	48	15	25	21	28	ESIG 13 SS
Hose i.D. 16	48	20	25	21	30	ESIG 16 SS
Hose i.D. 19	48	24	25	21	35	ESIG 19 SS

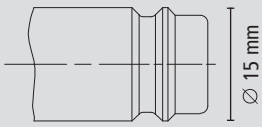
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Industrial Quick Connect Couplings

double shut-off Series ESIG

- High-quality, extreme robust one-hand quick connect couplings with superior seal characteristics
- Double shut-off to avoid the escape of media when disconnecting
- Attention: Couplings can be connected with straight-through plugs DN 10, but valved plugs cannot be connected with standard couplings DN 10
- Several fields of application, above all for liquid media in construction, control technology, switchboard cooling, etc.
- Suitable to maintain the TA-Luft on industrial production plants

DN 10



Plug Profile (original size)

Materials

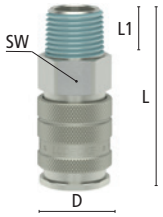
- Body, valve body, valve, plug: Brass MS 58 nickel-plated
- Sleeve: Steel hardened and nickel-plated
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Buna N (other materials on request)

Also in Stainless Steel Series ESIGE page 228

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	10	ISO 228/DIN 2999	1070 l/min	One-hand	Double shut-off	Air a.o.	Europe	Coupl. 5 / Plug10

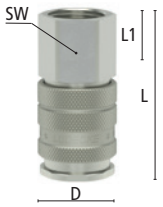
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 3/8 m	63	24	27	12	143	ESIG 38 AAB
R 1/2 m	65	24	27	17	147	ESIG 12 AAB
R 3/4 m	65	27	27	17	155	ESIG 34 AAB



Couplings with parallel female thread

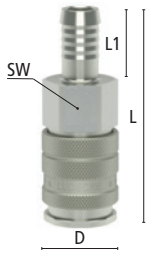
Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 f	56	24	27	11	145	ESIG 38 IAB
G 1/2 f	56	24	27	12	135	ESIG 12 IAB
G 3/4 f	60	32	27	16	200	ESIG 34 IAB



Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 9	76	24	27	25	150	ESIG 9 TAB
Hose i.D. 10	76	24	27	25	150	ESIG 10 TAB
Hose i.D. 13	76	24	27	25	152	ESIG 13 TAB
Hose i.D. 16	76	24	27	25	152	ESIG 16 TAB
Hose i.D. 19	76	24	27	25	160	ESIG 19 TAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 3/8 m	61	24	12	21	105	ESIG 38 NAAB
R 1/2 m	63	24	17	21	108	ESIG 12 NAAB
R 3/4 m	63	27	17	21	115	ESIG 34 NAAB



Plugs with parallel female thread

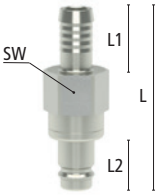
Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	55	24	11	21	120	ESIG 38 NIAB
G 1/2 f	55	24	12	21	140	ESIG 12 NIAB
G 3/4 f	59	32	16	21	150	ESIG 34 NIAB



Plugs with hose barb

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	74	24	25	21	110	ESIG 9 SAB
Hose i.D. 10	74	24	25	21	110	ESIG 10 SAB
Hose i.D. 13	74	24	25	21	110	ESIG 13 SAB
Hose i.D. 16	74	24	25	21	120	ESIG 16 SAB
Hose i.D. 19	74	24	25	21	120	ESIG 19 SAB

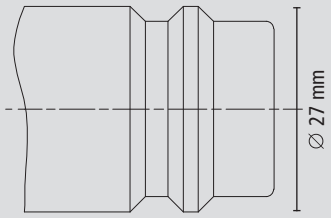
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Industrial Quick Connect Couplings

Series ESG single and double shut-off

DN 19



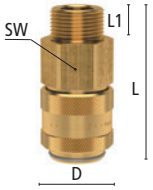
Plug Profile (original size)

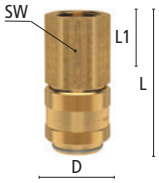
- High-quality, extreme robust one-hand quick connect couplings for compressed air and liquid media
- Highest flow rate with low pressure drop for large tools especially for applications with high-volume flow rate in connection with a shut-off function by one-hand operation
- Couplings with straight-through valve on request
- Couplings are suitable for valved plugs
- For compressed air supply and other fluid media in industry or handcraft at extraction points with extremely high demand of compressed air for high performance tools or machinery
- Suitable to maintain the TA-Luft on industrial production plants

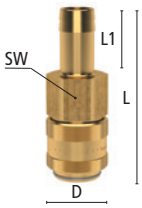
Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Buna N (FKM and EPDM on request)

Also in Stainless Steel Series ESGE page 302







Max. Working Press.	Temp.	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	20°C – +100°C	19	ISO 228	8000 l/min/single/2650 l/min double	One-hand	single/ double shut-off	Air a.o.	Europe	Coupl. 5 / Plug 10

Couplings with male thread

Thread connection	L	SW	D	L1	Type of valve	Weight	Type No.
G 3/4 m	95	41	46	16	shut-off	650	ESG 34 AAB
G 1 m	98	41	46	19	shut-off	620	ESG 10 AAB
G 1 1/4 m	98	46	46	19	shut-off	745	ESG 54 AAB

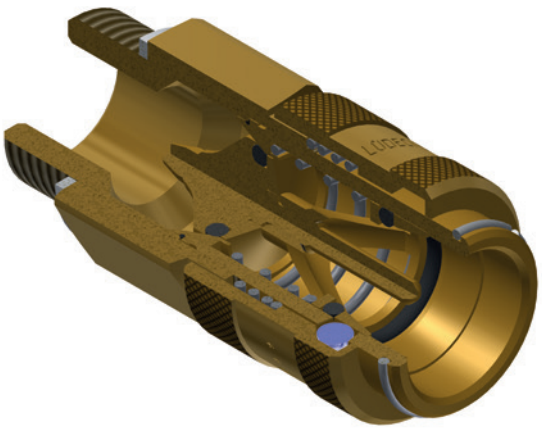
Couplings with female thread

Thread connection	L	SW	D	L1	Type of valve	Weight	Type No.
G 3/4 f	99	41	46	20	shut-off	740	ESG 34 IAB
G 1 f	100	41	46	22	shut-off	650	ESG 10 IAB
G 1 1/4 f	105	50	46	22	shut-off	700	ESG 54 IAB

Couplings with hose barb

Hose connection	L	SW	D	L1	Type of valve	Weight	Type No.
Hose i.D. 19	115	41	46	36	shut-off	600	ESG 19 TAB
Hose i.D. 25	125	41	46	48	shut-off	683	ESG 25 TAB

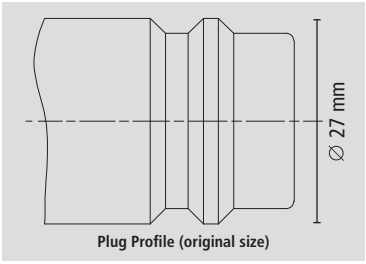
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Industrial Quick Connect Couplings

single and double shut-off Series ESG

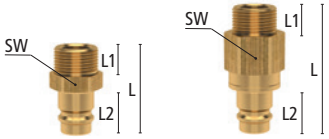
DN 19



Plug Profile (original size)

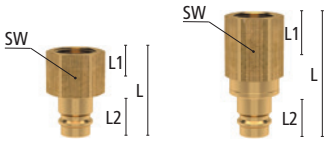
Plugs with male thread

Thread connection	L	SW	L1	L2	Type of valve	Weight	Type No.
G 3/4 m	60	30	16	34	straight-through	160	ESG 34 NA
G 1 m	65	36	19	34	straight-through	200	ESG 10 NA
G 1 1/4 m	68	46	19	34	straight-through	350	ESG 54 NA
G 3/4 m	92	41	16	34	shut-off	320	ESG 34 NAAB
G 1 m	95	41	19	34	shut-off	410	ESG 10 NAAB
G 1 1/4 m	95	46	19	34	shut-off	500	ESG 54 NAAB



Plugs with female thread

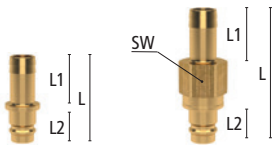
Thread connection	L	SW	L1	L2	Type of valve	Weight	Type No.
G 3/4 f	58	32	16	34	straight-through	160	ESG 34 NI
G 1 f	68	41	19	34	straight-through	300	ESG 10 NI
G 1 1/4 f	70	50	19	34	straight-through	410	ESG 54 NI
G 3/4 f	97	41	20	34	shut-off	430	ESG 34 NIAB
G 1 f	97	41	22	34	shut-off	450	ESG 10 NIAB
G 1 1/4 f	102	50	22	34	shut-off	540	ESG 54 NIAB



Plugs with hose barb

Hose connection	L	SW	L1	L2	Type of valve	Weight	Type No.
Hose i.D. 19	75	-	36	34	straight-through	154	ESG 19 S
Hose i.D. 25	87	-	48	34	straight-through	185	ESG 25 S
Hose i.D.19	117	41	36	34	shut-off	430	ESG 19 SAB
Hose i.D. 25	127	41	48	34	shut-off	460	ESG 25 SAB

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

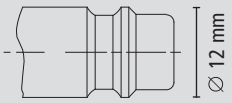




Safety Self-Venting Couplings
Series ESIS with Sleeve Concept - single shut-off

According to ISO 4414/ DIN EN 983/ BIA

DN 7.8



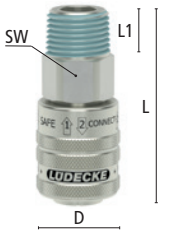
Plug Profile (original size)

- High-quality, ergonomic and very robust one-hand quick connect couplings in brass MS 58 nickel-plated with a sleeve made of hardened steel and optimum sealing and compact dimensions
- High flow capacity at low pressure drop due to streamlined valve
- For a safe handling of flexible compressed-air lines
- Attention: An absolutely safe function can only be garantueed by using hardened steel plugs!
- Very easy to connect, disconnection in two steps by pushing and pulling the sleeve in direction of arrow. Automatic air-relief after step 1, riskless disconnection after step 2
- Secure prevention of the whip lashing effect at an optimum user friendliness

Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- O-rings: Buna N (other materials on request)
- Balls: Stainless steel 1.4034
- Sleeve, plug: Hardened steel nickel-plated
- Springs: Stainless steel 1.4310

Max. Working Press.	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 12 bar	-20°C – +100°C	7.8	ISO 228/DIN 2999	1700 l/min	One-hand	Single Shut-off	Compressed air	Europe	Coupl. 5 / Plug 10



Safety Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	61	19	28	11	138	ESIS 14 A
R 3/8 m	62	19	28	12	147	ESIS 38 A
R 1/2 m	64	22	28	15	144	ESIS 12 A



Safety Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	57	19	28	10	146	ESIS 14 I
G 3/8 f	57	19	28	10	144	ESIS 38 I
G 1/2 f	59	24	28	12	160	ESIS 12 I



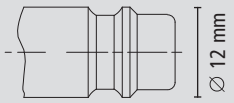
Safety Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	74	19	28	25	136	ESIS 6 T
Hose i.D. 8	74	19	28	25	136	ESIS 8 T
Hose i.D. 9	74	19	28	25	138	ESIS 9 T
Hose i.D. 10	74	19	28	25	138	ESIS 10 T
Hose i.D. 13	74	19	28	25	141	ESIS 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Safety Self-Venting Couplings
single shut-off Series ESIS

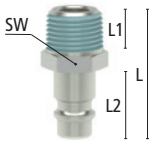
DN 7.8



Plug Profile (original size)

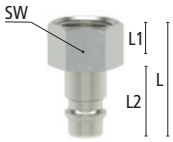
Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	33	13	9	20	14	ESI 18 NARS
R 1/4 m	35	14	11	20	18	ESI 14 NARS
R 3/8 m	36	17	12	20	23	ESI 38 NARS
R 1/2 m	40	22	15	20	47	ESI 12 NARS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	32	13	9	20	16	ESI 18 NIS
G 1/4 f	33	17	10	20	24	ESI 14 NIS
G 3/8 f	33	19	10	20	25	ESI 38 NIS
G 1/2 f	35	24	12	20	40	ESI 12 NIS



Plugs with hose barb

Hose connection	L	D	L2	L2	Weight	Type No.
Hose i.D. 6	44	12	24	20	13	ESI 6 SS
Hose i.D 8	44	12	24	20	18	ESI 8 SS
Hose i.D 9	44	12	24	20	16	ESI 9 SS
Hose i.D 10	44	12	24	20	18	ESI 10 SS
Hose i.D 13	44	15	23	20	26	ESI 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

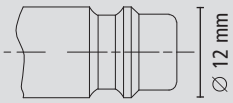


Safety Self-Venting Couplings

Series ESPN Push Button Concept – single shut-off

According to ISO 4414/ DIN EN 983/ BIA

DN 7.4



Plug Profile (original size)

- Pressureless disconnection guarantees absolute safety
- High quality, robust one-hand quick connect couplings with superior seal characteristics
- New locking-system, extremely easy to connect and disconnect (only 1 button push necessary)
- Lightweight due to plastic compound material – no scratching of sensitive surfaces
- Safety-air relief function: air relief with 1 button-push, automatic safe disconnection of the coupling without pressure
- Interchangeable with the "Euro-Profile" DN 7.2 or DN 7.8 • No electrostatic charging
- Safe avoiding of the "whip lash-effect" with easy operation
- Attention: An absolutely safe function can only be guaranteed by using hardened steel plugs!

Materials

- Body: Steel zinc plated
- Complete housing: Plastic compound material
- Seals: O-ring Nitril
- Balls, pins: Stainless steel
- Plug: Steel hardened and nickel-plated

Max. Working Press.	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 12 bar	-15°C – +70°C	7.4	ISO 228	1650 l/min	One-hand	Single shut-off	Compressed air	Europe	Coupl. 1 / Plug 10



Couplings with male thread (coated)

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	82	23	32	15	127	ESPN 14 A
G 3/8 m	83	23	32	15	130	ESPN 38 A
G 1/2 m	85	23	32	15	135	ESPN 12 A



Couplings with female thread

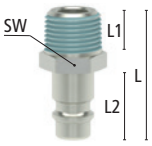
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	74	23	32	12	124	ESPN 14 I
G 3/8 f	74	23	32	12	116	ESPN 38 I
G 1/2 f	81	23	32	12	125	ESPN 12 I



Couplings with hose barb

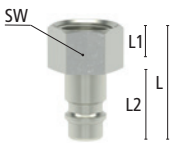
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	88	32	22	87	ESPN 6 T
Hose i.D. 8	88	32	22	85	ESPN 8 T
Hose i.D. 9	88	32	22	85	ESPN 9 T
Hose i.D. 10	88	32	22	85	ESPN 10 T
Hose i.D. 13	92	32	27	91	ESPN 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	33	13	9	20	14	ESI 18 NARS
R 1/4 m	35	14	11	20	18	ESI 14 NARS
R 3/8 m	36	17	12	20	23	ESI 38 NARS
R 1/2 m	40	22	15	20	47	ESI 12 NARS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	32	13	9	20	16	ESI 18 NIS
G 1/4 f	33	17	10	20	24	ESI 14 NIS
G 3/8 f	33	19	10	20	25	ESI 38 NIS
G 1/2 f	35	24	12	20	40	ESI 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	44	12	24	20	13	ESI 6 SS
Hose i.D. 8	44	12	24	20	18	ESI 8 SS
Hose i.D. 9	44	12	24	20	16	ESI 9 SS
Hose i.D. 10	44	12	24	20	18	ESI 10 SS
Hose i.D. 13	44	15	23	20	26	ESI 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Safety Quick Connect Couplings

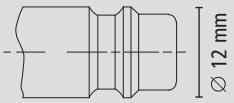
with Sleeve Lock Mechanism – single shut-off Series ES

DN 7.2

- NEW: now with locking nut NEW!
- Simple and effective protection to avoid accidental disconnection due to sleeve lock mechanism (disconnecting is only possible by opening the locking nut)
- To be coupled with standard plugs DN 7.2
- For the application of compressed air or liquid media, e.g. for sewer cleaning and sanitation

Materials

- Body, sleeve, valve body, valve, locking nut: Brass MS 58 plain
- Springs: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N



Plug Profile (original size)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.2	ISO 228	1000 l/min	One-hand	Single shut-off	Air a.o.	Worldwide	10

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	45	22	27	9	103	ES 14 AM

Couplings with female thread

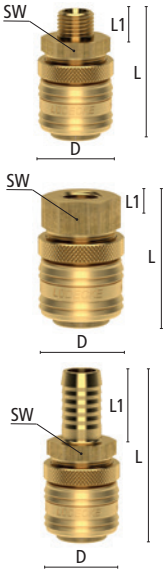
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	41	22	27	10.5	106	ES 14 IM

Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 13	61	22	27	25	109	ES 13 TM

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

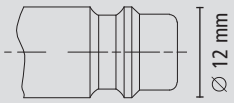
Special versions on request.



Safety Industrial Quick Connect Couplings

Series ESI with Sleeve Lock Mechanism - single shut-off

DN 7.8



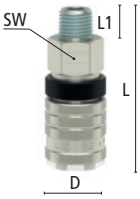
Plug Profile (original size)

- Simple and effective protection to avoid accidental disconnection due to sleeve lock mechanism (disconnection is only possible by opening the locking nut)
- High flow rate with low pressure drop due to streamlined valve
- To be coupled with standard plugs DN 7.8 as well as DN 7.2
- For the application of compressed air or liquid media, e.g. for sewer cleaning and sanitation

Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve: Steel hardened and nickel-plated
- Locking nut: Brass MS 58 black anodised NEW!
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Buna N

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.8	ISO 228/DIN ISO 2999	2000 l/min	One-hand	Single shut-off	Air a.o.	Worldwide	5



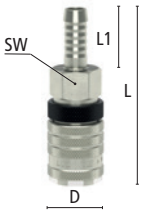
Couplings with male thread (thread coated)

	Thread connection	L	SW	D	L1	Weight	Type No.
	R 1/4 m	60	19	23	11	115	ESI 14 AM
NEW!	R 3/8 m	61	19	23	12	114	ESI 38 AM
NEW!	R 1/2 m	59	24	23	15	131	ESI 12 AM



Couplings with female thread

	Thread connection	L	SW	D	L1	Weight	Type No.
NEW!	G 1/4 f	57	19	23	10	118	ESI 14 IM
NEW!	G 3/8 f	57	19	23	10	109	ESI 38 IM
NEW!	G 1/2 f	59	24	23	12	129	ESI 12 IM

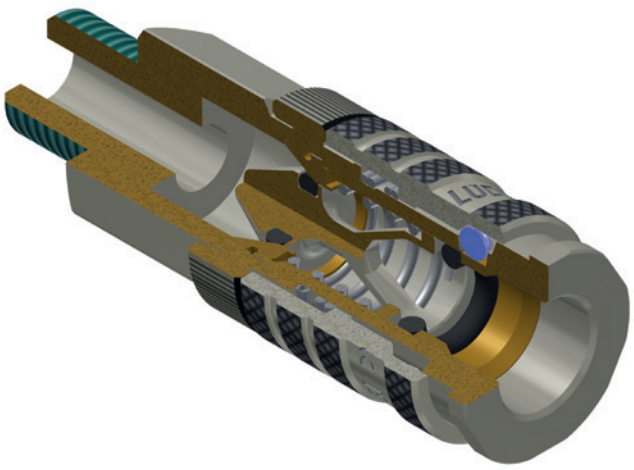


Couplings with hose barb

	Hose connection	L	SW	D	L1	Weight	Type No.
NEW!	Hose i.D. 6	73	19	23	25	101	ESI 6 TM
NEW!	Hose i.D. 8	73	19	23	25	103	ESI 8 TM
	Hose i.D. 9	73	19	23	25	104	ESI 9 TM
NEW!	Hose i.D. 10	73	19	23	25	105	ESI 10 TM
NEW!	Hose i.D. 13	73	19	23	25	108	ESI 13 TM

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

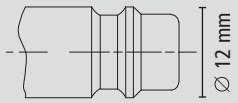
Special versions on request.



Safety Industrial Quick Connect Couplings

with Sleeve Lock Mechanism - single shut-off Series ESI

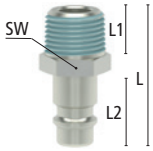
DN 7.8



Plug Profile (original size)

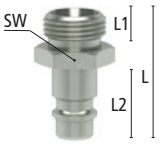
Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	33	13	9	20	14	ESI 18 NARS
R 1/4 m	35	14	11	20	18	ESI 14 NARS
R 3/8 m	36	17	12	20	23	ESI 38 NARS
R 1/2 m	40	22	15	20	47	ESI 12 NARS



Plugs with parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	33	13	9	20	14	ESI 18 NAS
G 1/4 m	35	14	11	20	18	ESI 14 NAS
G 3/8 m	36	17	12	20	23	ESI 38 NAS
G 1/2 m	40	22	15	20	47	ESI 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	32	13	9	20	16	ESI 18 NIS
G 1/4 f	33	17	10	20	24	ESI 14 NIS
G 3/8 f	33	19	10	20	25	ESI 38 NIS
G 1/2 f	35	24	12	20	40	ESI 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	44	12	24	20	13	ESI 6 SS
Hose i.D. 8	44	12	24	20	18	ESI 8 SS
Hose i.D. 9	44	12	24	20	16	ESI 9 SS
Hose i.D. 10	44	12	24	20	18	ESI 10 SS
Hose i.D. 13	44	15	23	20	26	ESI 13 SS



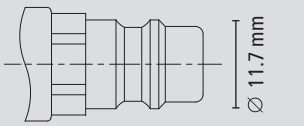
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

NEW!

Safety Industrial Quick Connect Couplings

Series ESIK with Sleeve Lock Mechanism and Plug Coding - single shut-off

DN 7.8



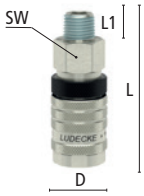
Plug Profile (original size)

- Simple and effective protection to avoid accidental disconnection due to sleeve lock mechanism (disconnection is only possible by opening the locking nut)
- Plug codification (only the couplings and plugs with the same coding can be connected), therefore no turning of the codificated plug in the coupling
- High flow rate with low pressure drop due to streamlined valve
- Can be coupled with standard plugs DN 7.8 (but not recommended)
- For the application of compressed air or liquid media, e.g. for sewer cleaning and sanitation

Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve, plug: Steel hardened and nickel-plated
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Buna N (others on request)
- Locking nut: Brass MS 58 black anodized

Max.Working Pressure	Temperature	DN	Thread	Flow capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.8	ISO 228/DIN ISO 2999	2000 l/min	One-hand	Single shut-off	Air a.o.	Worldwide	5



Couplings with male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	64	19	23	11	119	ESIK 14 A
R 3/8 m	65	19	23	12	118	ESIK 38 A
R 1/2 m	58	22	23	15	135	ESIK 12 A



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	61	19	23	10	122	ESIK 14 I
G 3/8 f	61	19	23	10	113	ESIK 38 I
G 1/2 f	63	24	23	12	133	ESIK 12 I



Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	87	19	23	35	115	ESIK 6 T
Hose i.D. 8	87	19	23	35	117	ESIK 8 T
Hose i.D. 9	87	19	23	35	118	ESIK 9 T
Hose i.D. 10	87	19	23	35	119	ESIK 10 T
Hose i.D. 13	87	19	23	35	122	ESIK 13 T

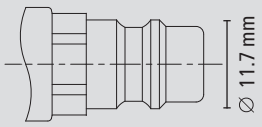
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)
Special versions on request.

Safety Industrial Quick Connect Couplings

with Sleeve Lock Mechanism and Plug Coding- single shut-off Series ESIK

NEW!

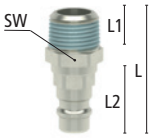
DN 7.8



Plug Profile (original size)

Plugs with male thread and plug coding (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	39	17	11	23	26	ESIK 14 NARS
R 3/8 m	40	17	12	23	28	ESIK 38 NARS
R 1/2 m	43	22	15	23	44	ESIK 12 NARS



Plugs with female thread and plug coding

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	35	17	10	23	25	ESIK 14 NIS
G 3/8 f	35	19	10	23	25	ESIK 38 NIS
G 1/2 f	38	24	12	23	41	ESIK 12 NIS



Plugs with hose barb and plug coding

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	60	18.5	35	23	21	ESIK 6 SS
Hose i.D. 8	60	18.5	35	23	23	ESIK 8 SS
Hose i.D. 9	60	18.5	35	23	24	ESIK 9 SS
Hose i.D. 10	60	18.5	35	23	25	ESIK 10 SS
Hose i.D. 13	60	18.5	35	23	28	ESIK 13 SS

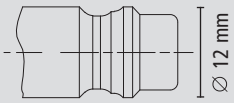


For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Breathing Air Couplings

Series ESI1A with Two-Hand Operation Safety Mechanism - single shut-off

DN 7.4



Plug Profile (original size)

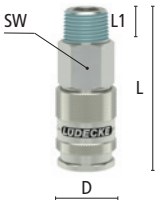
- High-quality, extremely robust quick connect coupling with superior seal characteristics
- High flow rates at a low pressure drop through a streamlined valve
- To disconnect the plug has to be pushed into the coupling, only then the disconnect protection safety functions, therefore effective protection to avoid accidental disconnection
- Special constructions, e.g. straight-through or double shut-off on request
- Coupling "ESI1A" combinable with plug "ESI2A", plug "ESI1A" not combinable with coupling "ESI2A"

Materials

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- O-ring: Buna N
- Springs: Spring steel 1.4310
- Balls: Stainless steel 1.4034

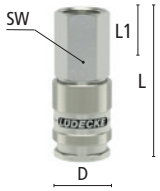
According to DIN EN 14594

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.4	ISO 228 / DIN 2999	1800 l/min	Two-hand	Single shut-off	Compressed air	Europe	Coupl 5/ Plug10



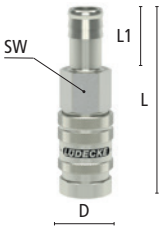
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight/pc. g	Type No.
R 1/4 m	60	19	23	11	106	ESI1A 14 A
R 3/8 m	61	19	23	12	108	ESI1A 38 A
R 1/2 m	64	22	23	15	136	ESI1A 12 A



Couplings with parallel female thread

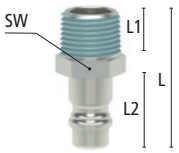
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	19	23	10	109	ESI1A 14 I
G 3/8 f	56	19	23	10	103	ESI1A 38 I
G 1/2 f	58	24	23	12	138	ESI1A 12 I



Couplings with hose barb

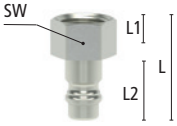
Hose connection	L	SW	D	L1	Weight	Type No.
SLW 6	73	19	23	25	100	ESI1A 6 T
SLW 8	73	19	23	25	101	ESI1A 8 T
SLW 9	73	19	23	25	100	ESI1A 9 T
SLW 10	73	19	23	25	104	ESI1A 10 T
SLW 13	73	19	23	25	110	ESI1A 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	35.5	14	11	20	22	ESI1A 14 NA
R 3/8 m	37.5	17	12	20	27	ESI1A 38 NA
R 1/2 m	40.5	22	15	20	59	ESI1A 12 NA



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	33.5	17	10	20	26	ESI1A 14 NI
G 3/8 f	33.5	19	10	20	25	ESI1A 38 NI
G 1/2 f	35.5	24	12	20	41	ESI1A 12 NI



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight/pc. g	Type No.
Hose i.D. 6	47	14	25	20	16	ESI1A 6 S
Hose i.D. 8	47	14	25	20	18	ESI1A 8 S
Hose i.D. 9	47	14	25	20	12	ESI1A 9 S
Hose i.D. 10	47	14	25	20	21	ESI1A 10 S
Hose i.D. 13	47	16	25	20	28	ESI1A 13 S

Versions in stainless steel 1.4305 on request.

Breathing Air Couplings

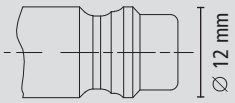
with Two-Hand Operation Safety Mechanism - single shut-off Series ESI2A

DN 7.4

- High-quality, extremely robust quick connect coupling with superior seal characteristic
- High flow rates at a low pressure drop through a streamlined valve
- To disconnect the plug has to be pushed into the coupling, only then the disconnect protection safety functions, therefore effective protection to avoid accidental disconnection
- Special constructions, e.g. straight-through or double shut-off on request
- Coupling "ESI1A" combinable with plug "ESI2A", plug "ESI1A" not combinable with coupling "ESI2A"

Material

- Body, sleeve, valve body, valve, plug: Brass MS 58 nickel-plated
- O-ring: Buna N
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034



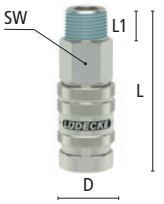
Plug Profile (original size)

According to DIN EN 14594

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.4	ISO 228 / DIN 2999	1800 l/min	Two-hand	Single shut-off	compressed air	Europe	Coupl. 5 / Plug 10

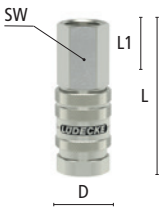
Couplings with tapered male thread (thread coated) – long version

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	64	19	23	11	114	ESI2A 14 A
R 3/8 m	65	19	23	12	117	ESI2A 38 A
R 1/2 m	68	22	23	15	144	ESI2A 12 A



Couplings with parallel female thread – long version

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	60	19	23	10	118	ESI2A 14 I
G 3/8 f	60	19	23	10	111	ESI2A 38 I
G 1/2 f	62	24	23	12	146	ESI2A 12 I



Couplings with hose barb – long version

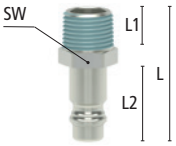
Hose connection	L	SW	D	L1	Weight	Type No.
SLW 6	77	19	23	25	108	ESI2A 6 T
SLW 8	77	19	23	25	110	ESI2A 8 T
SLW 9	77	19	23	25	108	ESI2A 9 T
SLW 10	77	19	23	25	112	ESI2A 10 T
SLW 13	77	19	23	25	118	ESI2A 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



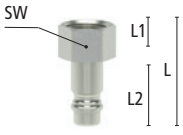
Plugs with tapered male thread (thread coated) – long version

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	40	14	11	25	24	ESI2A 14 NA
R 3/8 m	42	17	12	25	29	ESI2A 38 NA
R 1/2 m	45	22	15	25	62	ESI2A 12 NA



Plugs with parallel female thread – long version

Thread connection	L	SW	L2	L2	Weight	Type No.
G 1/4 f	38	17	10	25	29	ESI2A 14 NI
G 3/8 f	38	19	10	25	29	ESI2A 38 NI
G 1/2 f	40	24	12	25	44	ESI2A 12 NI



Plugs with hose barb – long version

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	51	12	25	25	17	ESI2A 6 S
Hose i.D. 8	51	12	25	25	19	ESI2A 8 S
Hose i.D. 9	51	12	25	25	19	ESI2A 9 S
Hose i.D. 10	51	12	25	25	22	ESI2A 10 S
Hose i.D. 13	53	15	25	25	30	ESI2A 13 S



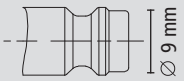
Versions in stainless steel 1.4305 on request.

Safety Quick Connect Couplings

Series ESMK with Plug and Colour Codification - single shut-off

DN 5

- Mini one-hand quick connect couplings made of brass MS 58 plain
- For the optical distinction of different media circulations with coloured and anodised aluminium sleeve on the coupling and coloured and anodised aluminium ring on the plug
- For the absolute avoidance of wrong coupling operations when using different media with supplementary plug codification (Only the same-coloured couplings and plugs can be connected)

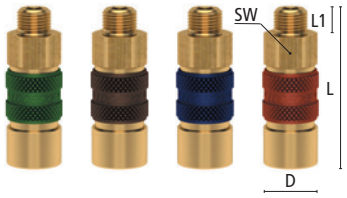


Plug Profile (original size)

Materials

- Body, valve body, valve: Brass MS 58 plain
- Sleeve: Aluminium anodized
- Springs, retaining ring: Stainless steel 1.4310 • Balls: Stainless steel 1.3541
- O-rings: Buna N (EPDM and FKM on request)
- Plug: Brass MS 58 plain with anodized aluminium ring

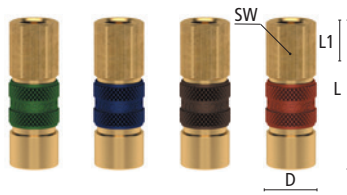
Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228	430 l/min	One-hand	Single shut-off	Div.	Europe	10



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.	Type No.	Type No.	Type No.
G 1/8 m	47	14	16	7	35	ESMK 18 AG	ESMK 18 ABR	ESMK 18 ABL	ESMK 18 AR
G 1/4 m	49	17	16	9	44	ESMK 14 AG	ESMK 14 ABR	ESMK 14 ABL	ESMK 14 AR

Male thread sealing with PVC-packing rings type HPD



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.	Type No.	Type No.	Type No.
G 1/8 f	47	14	16	7	40	ESMK 18 IG	ESMK 18 IBR	ESMK 18 IBL	ESMK 18 IR
G 1/4 f	49	17	16	9	46	ESMK 14 IG	ESMK 14 IBR	ESMK 14 IBL	ESMK 14 IR



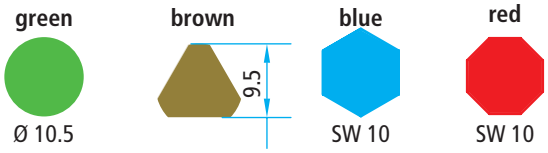
Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.	Type No.	Type No.	Type No.
Hose i.D. 6	69	14	16	17	35	ESMK 6 TG	ESMK 6 TBR	ESMK 6 TBL	ESMK 6 TR
Hose i.D. 9	69	14	16	17	37	ESMK 9 TG	ESMK 9 TBR	ESMK 9 TBL	ESMK 9 TR

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Couplings double shut-off on request.

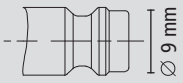
Plug and colour coding in original size



Safety Quick Connect Couplings

with Plug and Colour Codification - single shut-off Series ESMK

DN5



Plug Profile (original size)

Plugs with male thread

Thread connection	L	SW	L1	Weight	Type No.	Type No.	Type No.	Type No.
G 1/8 m	39	17	7	15	ESMK 18 NAG	ESMK 18 NABR	ESMK 18 NABL	ESMK 18 NAR
G 1/4 m	41	17	9	25	ESMK 14 NAG	ESMK 14 NABR	ESMK 14 NABL	ESMK 14 NAR

Male thread sealing with PVC-packing rings type HPD



Plugs with female thread

Thread connection	L	SW	L1	Weight	Type No.	Type No.	Type No.	Type No.
G 1/8 f	38	17	5	15	ESMK 18 NIG	ESMK 18 NIBR	ESMK 18 NIBL	ESMK 18 NIR
G 1/4 f	40	17	7	25	ESMK 14 NIG	ESMK 14 NIBR	ESMK 14 NIBL	ESMK 14 NIR



Plugs with hose barb

Hose connection	L	D	L1	Weight	Type No.	Type No.	Type No.	Type No.
Hose i.D. 6	47	15	17	12	ESMK 6 SG	ESMK 6 SBR	ESMK 6 SBL	ESMK 6 SR
Hose i.D. 9	47	15	17	15	ESMK 9 SG	ESMK 9 SBR	ESMK 9 SBL	ESMK 9 SR

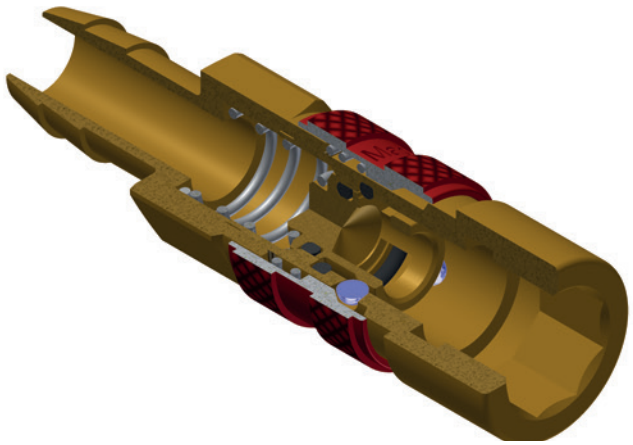
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



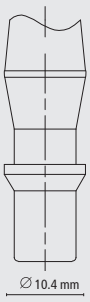
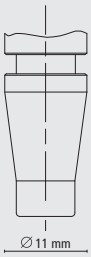
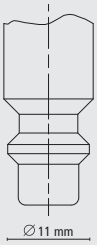
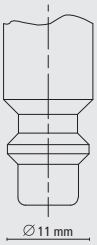
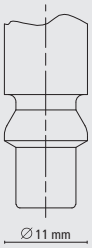
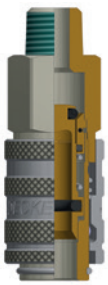
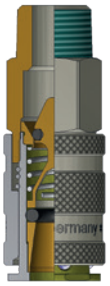
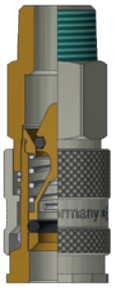
Bulkhead plugs

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.	Type No.
Hose i.D. 6	63	17	17	14	17	M 12x1 m	40	ESMK 6 SSVG	ESMK 6 SSVBR
Hose i.D. 6	63	17	17	14	17	M 12x1 m	40	ESMK 6 SSVBL	ESMK 6 SSVR

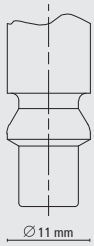
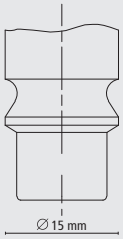
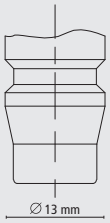
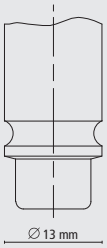
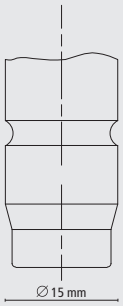
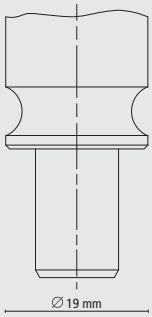
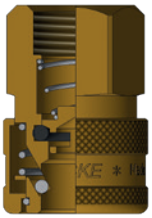
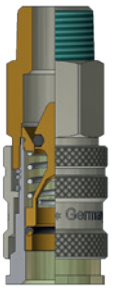
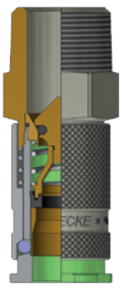
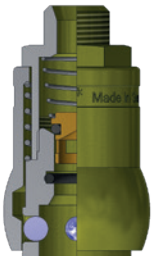




Overview of the Quick Connect Couplings with

	NEW! ESB DN 5.5	ESBI DN 5	ESA DN 5.5	ESAI DN 5.5	ESO DN 5.5
Series					
Plug Profile (original size)					
					
					
Materials:					
Body:	Brass MS 58 nickel-pl.	Brass MS 58 nickel-pl.	Brass MS 58 plain	Brass MS 58 nickel-pl.	Brass MS 58 plain
Sleeve:	Steel hardened + nickel-pl	Steel hardened + zinc-pl	Brass MS 58 plain	Steel hardened + nickel-pl.	Brass MS 58 plain
Valve body:	Brass MS 58 nickel-pl.	Steel hardened + zinc-pl	Brass MS 58 plain	Brass MS 58 nickel-pl.	Brass MS 58 plain
Valve:	Brass MS 58 plain	Brass MS 58 nickel-pl.	Brass MS 58 plain	Brass MS 58 nickel-pl.	Brass MS 58 plain
Springs, Retaining ring:	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310
Balls:	Stainless steel 1.4034	Stainless steel 1.4034	-	Stainless steel 1.4034	-
Pins:	-	-	Stainless steel 1.4305	-	Stainless steel 1.4305
Seals:	Buna N	Buna N	Buna N	Buna N	Buna N
Special seals for other media on request:	-	EPDM/ FKM/ FFKM	EPDM/ FKM/ FFKM	EPDM/ FKM/ FFKM	EPDM/ FKM/ FFKM
Plug:	Steel hardened +nickel-pl.	Steel hardened + nickel-pl.	Brass MS 58 plain/Steel	Steel hardened + nickel-pl.	Brass MS 58 plain
Max. Working Pressure:	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar
Temperature:	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
Max. Flow Capacity: at 6 bar [ü], 0.5 bar pressure drop single shut-off	800 l/min	950 l/min	775 l/min	1100 l/min	775 l/min
Type of valve:	single	single	single	single	single
Operation:	one-hand	one-hand	one-hand	one-hand	one-hand
Norm:	-	-	ISO 6150 B US-MIL-Spec. C4109 Industr. Interchange 1/4"	ISO 6150 B US-MIL-Spec. C4109 Industr. Interchange 1/4"	-
Compatibility:	Parker|Rectus Series 19 PCL60 (UK)	Parker|Rectus Series 17 Schrader NW5	Parker|Rectus Series 23/24, Hansen 3000, Cejn 310, Milton, Gromelle 600	Parker|Rectus Series 23/24, Hansen 3000, Cejn 310, Milton, Gromelle 600	Parker|Rectus Series 14/22, ARO 210, Cejn 300,Orion 44510, Parker 50
Area:	Great Britain	Great Britain, Europe	USA, Spain, France	USA, Spain, France	Benelux, Switzerland
Page:	46	47	48	50	51

International Plug Profiles

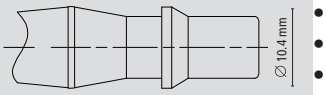
ESOI DN 5.5	ESOIG DN 9	ESK DN 7.5	ESAC DN 8	ESACG DN 10	F1K DN 8
					
					
					
Brass MS 58 nickel-pl. Steel hardened + nickel-pl. Brass MS 58 nickel-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4034 - Buna N EPDM/ FKM/ FFKM Steel hardened + nickel-pl. PN 35 bar -20°C – +100°C 1140 l/min single one-hand - Parker|Rectus Series 14/22, ARO 210, Cejn 300, Orion 44510, Parker 50 Benelux, Switzerland 52	Brass MS 58 plain Brass MS 58 plain Brass MS 58 plain Brass MS 58 plain Stainless steel 1.4310 - Stainless steel 1.4305 Buna N EPDM/ FKM/ FFKM Steel hardened + nickel-pl. PN 35 bar -20°C – +100°C 1400 l/min single one-hand Rectus Series 40 KA, ARO 310, Orion 44520, Orion 44530 Benelux, Switzerland 53	Brass MS 58 plain Brass MS 58 nickel-pl. Brass MS 58 plain Brass MS 58 plain Stainless steel 1.4310 - Stainless steel 1.4305 Buna N EPDM/ FKM/ FFKM Steel hardened + nickel-pl. PN 35 bar -20°C – +100°C 1375 l/min single one-hand Parker|Rectus Series 13/03, Nitto Kohki 200 Cejn 314/315 especially Asia 54	Brass MS 58 nickel-pl. Steel hardened + nickel-pl. Steel hardened + zinc-pl. Brass MS 58 nickel-pl. Stainless steel 1.4310 Stainless steel 1.4034 - Buna N EPDM/ FKM/ FFKM Steel hardened + zinc-pl. PN 35 bar -20°C – +100°C 1500 l/min single one-hand Parker|Rectus Series 33 Atlas Copco QIC 10 worldwide 56	Brass MS 58 nickel-pl. Steel hardened + nickel-pl. Steel zinc-pl. Brass MS 58 plain Stainless steel 1.4310 Stainless steel 1.4034 - Buna N EPDM/ FKM Steel hardened + nickel-pl. PN 35 bar -20°C – +100°C 2600 l/min single one-hand Parker|Rectus Series 34 KA, Atlas Copco QIC 15 worldwide 57	Steel zinc-pl.+yellow pass. Steel zinc-pl.+yellow pass. Steel zinc-pl.+yellow pass. Brass MS 58 plain Stainless steel 1.4310 Stainless steel 1.4034 - Buna N EPDM/ FKM/ FFKM Steel nickel-pl.+yellow passivated PN 35 bar -20°C – +100°C 1800 l/min single two-hand - Germany 58

NEW!

Quick Connect Couplings

Series ESB single shut-off

DN 5.5



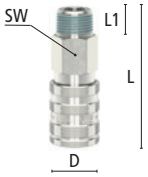
Plug Profile (original size)

- High-quality, extreme robust one-hand quick connect couplings with British plug profile
- Sleeve design protects the coupling from dirt
- Hose barb profile for safe fit of hose and easy assembly
- For compressed air as well as liquid or gaseous media in industry and craftmanship

Materials

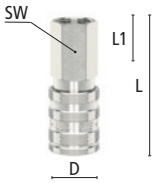
- Body, valve body: Brass MS 58 nickel-plated
- Valve: Brass MS 58 plain
- Sleeve, plug: Hardened steel and nickel-plated
- O-rings: Buna N
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Work. Pressure	Temperature	DN	Thread	Flow Cap.	Operation	Type of valve	Media	Norm	
PN 35 bar	-20°C – +100°C	5.5	ISO228 / DIN2999	800 l/min	One-Hand	Single Shut-Off	Different	U.K. standard	Coupl. 5 / Plug 10



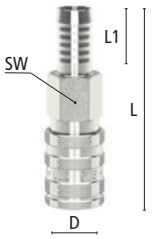
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	63	19	23	12	109	ESB 14 A
R 3/8 m	63	19	23	12	111	ESB 38 A
R 1/2 m	67	22	23	15	139	ESB 12 A



Couplings with parallel female thread

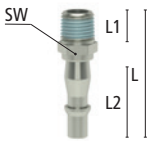
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	58	19	23	9	112	ESB 14 I
G 3/8 f	58	19	23	9	106	ESB 38 I
G 1/2 f	61	24	23	12	141	ESB 12 I



Couplings with hose barb

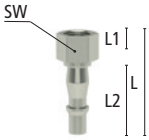
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	76	19	23	25	103	ESB 6 T
Hose i.D. 8	76	19	23	25	105	ESB 8 T
Hose i.D. 10	76	19	23	25	106	ESB 10 T
Hose i.D. 13	76	19	23	25	108	ESB 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	50	14	12	31	22	ESB 14 NAS
R 3/8 m	50	17	12	31	29	ESB 38 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	46	17	9	31	25	ESB 14 NIS
G 3/8 f	47	19	9	31	26	ESB 38 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	60	12	25	31	16	ESB 6 SS
Hose i.D. 8	60	12	25	31	17	ESB 8 SS
Hose i.D. 10	60	12	25	31	19	ESB 10 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Industrial Quick Connect Couplings

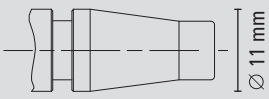
single shut-off Serie ESBI

DN 5

- High-quality, extreme robust quick connect couplings with British plug profile
- High flow rate at a low pressure drop due to streamlined valve
- Special versions on request i.e. couplings with straight through or double shut-off
- For the supply of compressed air as well as other fluid or gaseous media in industry and craftmanship

Materials

- Body, valve: Brass MS 58 nickel-plated
- Valve body: Steel hardened and nickel-plated
- Sleeve, plug: Steel hardened and nickel-plated
- O-rings: Buna N (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

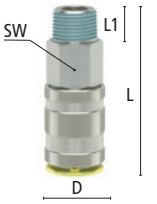


Plug Profile (original size)

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 2999	950 l/min	One-Hand	Single Shut-Off	Different	EU + UK	Coupl. 5 / Plug 10

Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	63	19	23	11	114	ESBI 14 A
R 3/8 m	63	19	23	12	117	ESBI 38 A
R 1/2 m	66	22	23	15	145	ESBI 12 A



Couplings with parallel female thread

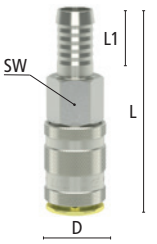
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	60	19	23	10	117	ESBI 14 I
G 3/8 f	60	19	23	10	111	ESBI 38 I
G 1/2 f	62	24	23	12	146	ESBI 12 I



Couplings with hose barb

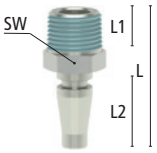
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	76	19	23	25	107	ESBI 6 T
Hose i.D. 8	76	19	23	25	109	ESBI 8 T
Hose i.D. 10	76	19	23	25	110	ESBI 10 T
Hose i.D. 13	76	19	23	25	111	ESBI 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



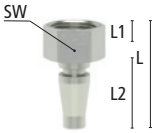
Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	37	11	9	28	16	ESBI 18 NAS
R 1/4 m	40	14	12	28	20	ESBI 14 NAS
R 3/8 m	40	17	12	28	25	ESBI 38 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	35	14	7	28	18	ESBI 18 NIS
G 1/4 f	37	17	9	28	26	ESBI 14 NIS
G 3/8 f	37	19	9	28	27	ESBI 38 NIS



Plugs with hose barb

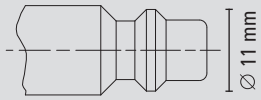
Hose connection	D	L	L1	L2	Weight	Type No.
Hose i.D. 6	52	12	24	28	15	ESBI 6 SS
Hose i.D. 8	52	12	24	28	20	ESBI 8 SS
Hose i.D. 10	52	12	24	28	20	ESBI 10 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Quick Connect Couplings
Series ESA single shut-off

DN 5.5



Plug Profile (original size)

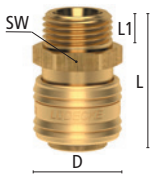
- ISO 6150 B and US Mil.-Spec. C4109 conform
- Sleeve design protects the coupling from dirt
- New hose barb profile for safe fit of hose and easy assembly
- Thread types available with NPT or BSP-threads
- For compressed air lines in industry, craftmanship, hobbies, etc.

Materials

- Body, sleeve, valve body, valve: Brass MS 58 plain
- Springs, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N
- Plug: Brass MS 58 plain or steel zinc-plated and yellow passivated (free of chrome VI)

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5.5	ISO 228 / NPT	775 l/min	One-Hand	Single Shut-Off	Compr. Air	USA, F, SP	10

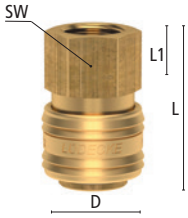
Couplings with male thread



Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	40	22	27	9	75	ESA 14 AR
G 3/8 m	41	22	27	10	78	ESA 38 AR
G 1/2 m	41	24	27	10	88	ESA 12 AR
NPT 1/4 m	45	22	27	13.5	81	ESA 14 A
NPT 3/8 m	46	22	27	14.5	84	ESA 38 A
NPT 1/2 m	50	22	27	18	105	ESA 12 A

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (page 167)

Couplings with female thread



Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	41	22	27	10.5	93	ESA 14 IR
G 3/8 f	41	22	27	10.5	89	ESA 38 IR
G 1/2 f	41	24	27	10.5	91	ESA 12 IR
NPT 14 f	43.5	22	27	13.5	101	ESA 14 I
NPT 3/8 f	45	22	27	14.5	96	ESA 38 I
NPT 1/2 f	48	24	27	18	103	ESA 12 I

Couplings with hose barb



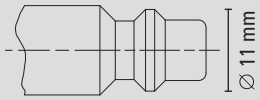
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	55	27	25	66	ESA 6 T
Hose i.D. 8	55	27	25	68	ESA 8 T
Hose i.D. 9	55	27	25	70	ESA 9 T
Hose i.D. 13	55	27	25	76	ESA 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Quick Connect Couplings

single shut-off Series ESA

DN 5.5

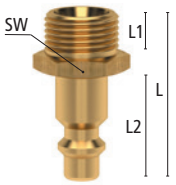


Plug Profile (original size)

Plugs with male thread

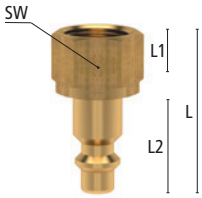
Thread connection	L	SW	L1	L2	Material	Weight	Type No.
G 1/8 m	35	13	7	24	Brass MS 58	19	ESA 18 NAR
G 1/4 m	37	17	9	24	Brass MS 58	23	ESA 14 NAR
G 3/8 m	38	19	9	24	Brass MS 58	31	ESA 38 NAR
NPT 1/8 m	38	13	9.5	24	Brass MS 58	23	ESA 18 NA
NPT 1/4 m	41	14	13	24	Brass MS 58	25	ESA 14 NA
NPT 3/8 m	42	17	13	24	Brass MS 58	31	ESA 38 NA
NPT 1/4 m	41	14	13	24	Steel	22	ESA 14 NAS

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (page 167)



Plugs with female thread

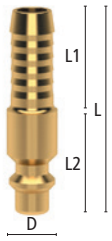
Thread connection	L	SW	L1	L2	Material	Weight	Type No.
G 1/8 f	35	13	9	24	Brass MS 58	18	ESA 18 NIR
G 1/4 f	38	17	12	24	Brass MS 58	27	ESA 14 NIR
G 3/8 f	39	19	12	24	Brass MS 58	26	ESA 38 NIR
NPT 1/8 f	35	13	10	24	Brass MS 58	20	ESA 18 NI
NPT 1/4 f	40	17	14	24	Brass MS 58	29	ESA 14 NI
NPT 3/8 f	42	21	15	24	Brass MS 58	40	ESA 38 NI
NPT 1/4 f	40	17	14	24	Steel	27	ESA 14 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Material	Weight	Type No.
Hose i.D. 6	49	12	25	24	Brass MS 58	17	ESA 6 S
Hose i.D. 9	48	12	24	24	Brass MS 58	21	ESA 9 S
Hose i.D. 13	48	15	23	24	Brass MS 58	29	ESA 13 S
Hose i.D. 6	49	12	25	24	Steel	16	ESA 6 SS
Hose i.D. 9	48	12	24	24	Steel	19	ESA 9 SS
Hose i.D. 13	48	15	23	24	Steel	26	ESA 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

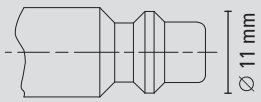


Special versions on request.

Industrial Quick Connect Couplings

Series ESAI single shut-off

DN 5.5



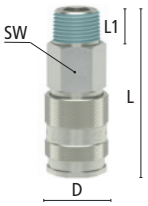
Plug Profile (original size)

- According to ISO 6150 B resp. US Mil. Spec. 4109
- High-quality, extreme robust quick connect couplings with superior seal characteristic
- High flow rate at a low pressure drop due to streamlined valve
- Special versions on request i.e. couplings with squeeze nut
- For the supply of compressed as well as air other fluid or gaseous media in industry and craftmanship

Materials

- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve, plug: Steel hardened and nickel-plated
- O-rings: Buna N (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5.5	ISO 228 / DIN 2999	1100 l/min	One-Hand	Single Shut-Off	Compr. Air	USA, F, SP	Coupl. 5 / Plug 10



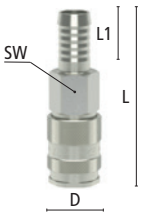
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	60	19	23	11	95	ESAI 14 A
R 3/8 m	60	19	23	12	98	ESAI 38 A
R 1/2 m	63	22	23	17	120	ESAI 12 A



Couplings with parallel female thread

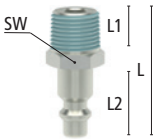
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	57	19	23	10	110	ESAI 14 I
G 3/8 f	57	19	23	10	105	ESAI 38 I
G 1/2 f	59	24	23	12	120	ESAI 12 I



Couplings with hose barb

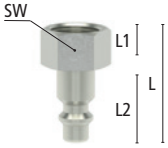
Hose connection	L	SW	D	L1	Weight	Type No.
SLW 6	73	19	23	25	92	ESAI 6 T
SLW 8	73	19	23	25	95	ESAI 8 T
SLW 9	73	19	23	25	96	ESAI 9 T
SLW 10	73	19	23	25	99	ESAI 10 T
SLW 13	73	19	23	25	105	ESAI 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	38	13	9	24	19	ESAI 18 NAS
R 1/4 m	41	14	12	24	25	ESAI 14 NAS
R 3/8 m	42	17	13	24	35	ESAI 38 NAS
R 1/2 m	48	22	17	24	55	ESAI 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	36	14	9	24	22	ESAI 18 NIS
G 1/4 f	36	17	9	24	25	ESAI 14 NIS
G 3/8 f	36	19	9	24	25	ESAI 38 NIS
G 1/2 f	39	24	12	24	40	ESAI 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	48	14	23	24	15	ESAI 6 SS
Hose i.D. 8	48	14	23	24	17	ESAI 8 SS
Hose i.D. 9	48	14	23	24	18	ESAI 9 SS
Hose i.D. 10	48	14	23	24	20	ESAI 10 SS
Hose i.D. 13	48	14	23	24	25	ESAI 13 SS

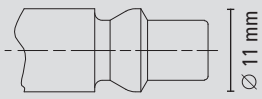
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Quick Connect Couplings
single shut-off Series ESO

- Closed sleeve protects the couplings from dirt, new sleeve profile
- Stem profile for safe fit of the hose and easy assembly
- For compressed air lines in industry, craftmanship, hobbies, etc.
- Interchangeable to ARO 210, ORION 44510

DN 5.5

Materials
- Body, sleeve, valve body, valve, plug: Brass MS 58 plain
- Springs, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N



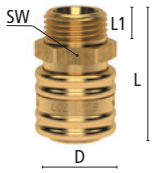
Plug Profile (original size)

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5.5	ISO 228	775 l/min	One-Hand	Single Shut-Off	Compr. Air	BeNeLux, CH	10

Couplings with male thread

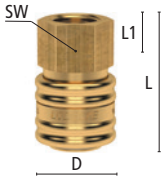
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	42	22	27	9	85	ESO 14 A
G 3/8 m	43	22	27	10	90	ESO 38 A
G 1/2 m	43	24	27	10	105	ESO 12 A

Male thread sealing with PVC-packing rings type HPD (page 167)



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	43	22	27	10.5	104	ESO 14 I
G 3/8 f	43	22	27	10.5	108	ESO 38 I
G 1/2 f	44.5	24	27	12	120	ESO 12 I



Couplings with hose barb

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 6	57	27	25	77	ESO 6 T
Hose i.D. 8	57	27	25	80	ESO 8 T
Hose i.D. 9	57	27	25	82	ESO 9 T
Hose i.D. 10	57	27	25	85	ESO 10 T

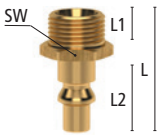
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with male thread

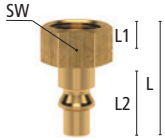
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	33	13	6	22	16	ESO 18 NA
G 1/4 m	35	17	8	22	21	ESO 14 NA
G 3/8 m	35	19	8	22	26	ESO 38 NA

Male thread sealing with PVC-packing rings type HPD (page 167)



Plugs with female thread

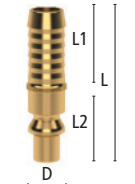
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	34	17	9	22	23	ESO 14 NI
G 3/8 f	34	19	9	22	23	ESO 38 NI



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	47	11	22	22	14	ESO 6 S
Hose i.D. 8	47	11	22	22	15	ESO 8 S
Hose i.D. 9	47	11	22	22	16	ESO 9 S
Hose i.D. 10	47	11	22	22	18	ESO 10 S

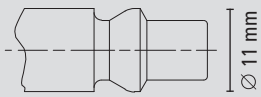
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Special versions on request.

Industrial Quick Connect Couplings
Series ESOI single shut-off

DN 5.5



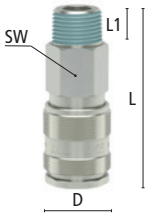
Plug Profile (original size)

- Interchangeable with ARO 210, ORION 44510
- High-quality, extreme robust quick connect couplings with superior seal characteristics
- High flow rate at a low pressure drop due to streamlined valve
- Special versions on request i.e. squeeze nut
- For the supply of compressed air or other fluid or gaseous media in industry and craftmanship

Materials

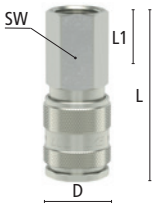
- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve, plug: Steel hardened and nickel-plated
- O-rings: Buna N (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	5.5	ISO 228 / DIN 2999	1140 l/min	One-Hand	Single Shut-Off	Compr. Air	BeNeLux, CH	Coupl. 5 / Plug 10



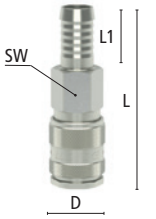
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	61	19	23	11	95	ESOI 14 A
R 3/8 m	61	19	23	12	98	ESOI 38 A
R 1/2 m	64	22	23	15	120	ESOI 12 A



Couplings with parallel female thread

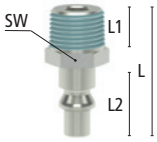
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	58	19	23	10	110	ESOI 14 I
G 3/8 f	58	19	23	10	105	ESOI 38 I
G 1/2 f	60	24	23	12	120	ESOI 12 I



Couplings with hose barb

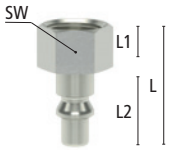
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	74	19	23	25	92	ESOI 6 T
Hose i.D. 8	74	19	23	25	95	ESOI 8 T
Hose i.D. 9	74	19	23	25	96	ESOI 9 T
Hose i.D. 10	74	19	23	25	99	ESOI 10 T
Hose i.D. 13	74	19	23	25	105	ESOI 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	39	14	12	22	21	ESOI 14 NAS
R 3/8 m	39	17	12	22	26	ESOI 38 NAS
R 1/2 m	42	22	15	22	40	ESOI 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	35	17	10	22	23	ESOI 14 NIS
G 3/8 f	35	19	10	22	23	ESOI 38 NIS
G 1/2 f	37	24	12	22	37	ESOI 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	47	11	24	22	14	ESOI 6 SS
Hose i.D. 8	47	11	24	22	15	ESOI 8 SS
Hose i.D. 9	47	11	24	22	16	ESOI 9 SS
Hose i.D. 10	47	11	24	22	18	ESOI 10 SS
Hose i.D. 13	49	11	24	22	24	ESOI 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Industrial Quick Connect Couplings

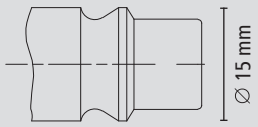
single shut-off Serie ESOIG

DN 9

- High-quality, extreme robust quick connect couplings made of brass MS 58 plain (on demand nickel-plated) with superior seal characteristics
- Interchangeable with ARO 310, ORION 44520
- High flow rate at a low pressure drop due to streamlined valve
- For the supply of compressed air or other fluid or gaseous media in industry and craftmanship

Materials

- Body, valve body, valve, sleeve: Brass MS 58 plain
- O-rings: Buna N (other materials on request)
- Springs, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- Plug: Hardened steel and nickel-plated

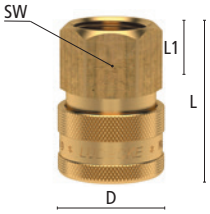


Plug Profile (original size)

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	9	ISO 228 / DIN 2999	1400 l/min	One-Hand	Single Shut-Off	Druckluft	BeNeLux, CH.	10

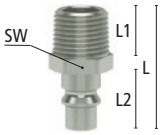
Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 f	46	27	32	10	164	ESOIG 38 I
G 1/2 f	46	27	32	11	155	ESOIG 12 I



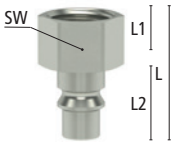
Plugs with tapered male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 3/8 m	40	17	12	23	40	ESOIG 38 NAS
R 1/2 m	46	22	17	23	54	ESOIG 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	35	19	9	23	28	ESOIG 38 NIS
G 1/2 f	39	24	12	23	48	ESOIG 12 NIS



Plugs with hose barb

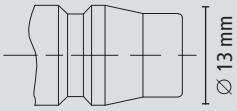
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 10	51	16	25	23	25	ESOIG 10 SS
Hose i.D. 13	51	16	25	23	33	ESOIG 13 SS
Hose i.D. 19	51	19	25	23	44	ESOIG 19 SS



For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Quick Connect Couplings
Series ESK single shut-off

DN 7.5



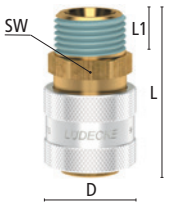
Plug Profile (original size)

- Quick connect couplings, mainly used in the Asian market, interchangeable with type Nitto Kohki, one-hand operation
- For compressed air lines in industry, craftmanship, hobbies, etc.

Materials

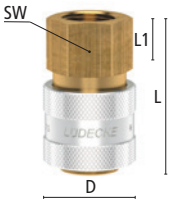
- Body, valve body, valve: Brass MS 58 nickel-plated
- Sleeve: Brass MS 58 nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N
- Plug: Steel hardened and nickel-plated

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.5	ISO 228 / DIN 2999	1375 l/min	One-Hand	Single Shut-Off	Compr. Air	Asia	10



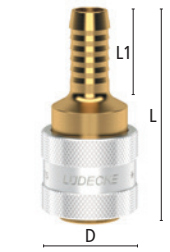
Couplings with tapered male thread (thread-coated), coated environmentally friendly with Loctite

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	46.5	22	27	11	81	ESK 14 AB
R 3/8 m	47.5	22	27	12	84	ESK 38 AB
R 1/2 m	47.5	22	27	12	100	ESK 12 AB



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	45.5	22	27	10.5	96	ESK 14 I
G 3/8 f	45.5	22	27	10.5	90	ESK 38 I
G 1/2 f	47	24	27	12	90	ESK 12 I



Couplings with hose barb

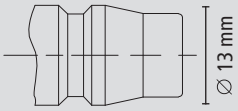
Thread connection	L	D	L1	Weight	Type No.
Hose i.D. 6	59.5	27	25	69	ESK 6 T
Hose i.D. 8	59.5	27	25	73	ESK 8 T
Hose i.D. 10	59.5	27	25	75	ESK 10 T
Hose i.D. 13	59.5	27	25	80	ESK 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Quick Connect Couplings

single shut-off Series ESK

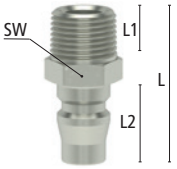
DN 7.5



Plug Profile (original size)

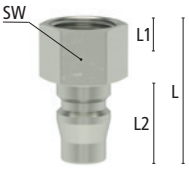
Plugs with male thread (Steel hardened and nickel-plated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	37	14	11	20.2	20	**ESK 14 NAS**
R 3/8 m	38	17	12	20.2	28	**ESK 38 NAS**
R 1/2 m	41	22	15	20.2	46	**ESK 12 NAS**



Plugs with female thread (Steel hardened and nickel-plated)

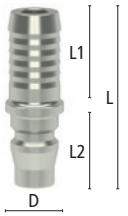
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	34	17	10.5	20.2	25	**ESK 14 NIS**
G 3/8 f	34	19	10.5	20.2	25	**ESK 38 NIS**
G 1/2 f	36	24	12	20.2	38	**ESK 12 NIS**



Plugs with hose barb (Steel hardened and nickel-plated)

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	48	16	25	20.2	21	**ESK 6 SS**
Hose i.D. 8	48	16	25	20.2	21	**ESK 8 SS**
Hose i.D. 10	48	16	25	20.2	24	**ESK 10 SS**
Hose i.D. 13	48	16	25	20.2	24	**ESK 13 SS**

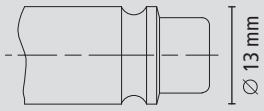
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Industrial Quick Connect Couplings

Series ESAC single shut-off, System "Atlas Copco"

DN 8



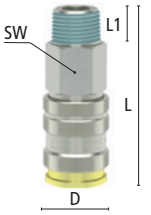
Plug Profile (original size)

- High-quality, extreme robust one-hand quick connect couplings with superior seal characteristic
- Extremely high flow rate at a low pressure drop due to streamlined valve
- Special versions on request i.e. couplings with straight through or double shut-off
- For the supply of compressed air in industry and craftmanship

Materials

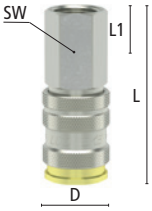
- Body, Valve: Brass MS 58 nickel-plated
- Valve body, plug: Steel hardened and zinc-plated
- Sleeve: Steel hardened and nickel-plated
- O-rings: Buna N (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	8	ISO 228 / DIN 2999	1500 l/min	One-Hand	Single Shut-Off	Compr. Air	World-wide	Coupl. 5 / Plug 10



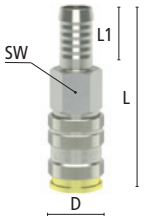
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	62	19	23	11	105	ESAC 14 A
R 3/8 m	62	19	23	12	108	ESAC 38 A
R 1/2 m	65	22	23	15	130	ESAC 12 A



Couplings with parallel female thread

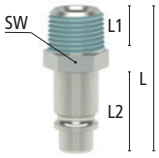
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	59	19	23	10	115	ESAC 14 I
G 3/8 f	59	19	23	10	112	ESAC 38 I
G 1/2 f	61	24	23	12	135	ESAC 12 I



Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	75	19	23	25	98	ESAC 6 T
Hose i.D. 8	75	19	23	25	100	ESAC 8 T
Hose i.D. 10	75	19	23	25	110	ESAC 10 T
Hose i.D. 13	75	19	23	25	115	ESAC 13 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	39	14	9	24.5	22	ESAC 18 NAS
R 1/4 m	42	14	12	24.5	25	ESAC 14 NAS
R 3/8 m	42	17	12	24.5	35	ESAC 38 NAS
R 1/2 m	47	22	17	24.5	45	ESAC 12 NAS



Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	37	14	9	24.5	26	ESAC 18 NIS
G 1/4 f	37	17	9	24.5	26	ESAC 14 NIS
G 3/8 f	37	19	9	24.5	26	ESAC 38 NIS
G 1/2 f	40	24	12	24.5	38	ESAC 12 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	52	14	25	24.5	18	ESAC 6 SS
Hose i.D. 8	52	14	25	24.5	19	ESAC 8 SS
Hose i.D. 10	52	15	25	24.5	21	ESAC 10 SS
Hose i.D. 13	52	15	25	24.5	26	ESAC 13 SS

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Industrial Quick Connect Couplings

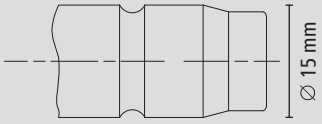
single shut-off, System "Atlas Copco" Series ESACG

DN 10

- High-quality, extreme robust one-hand quick connect couplings with superior seal characteristics
- Extremely high flow rate at a low pressure drop due to streamlined valve and optimized passage
- For the supply of compressed air in industry and craftmanship

Materials

- Body: Brass MS 58 nickel-plated
- Valve body: Steel zinc-plated
- Valve, guiding sleeve: Brass MS 58 plain
- Sleeve, plug: Steel hardened and nickel-plated
- O-rings: Buna N (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

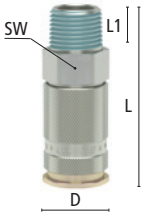


Plug Profile (original size)

Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	10	ISO 228 / DIN 2999	2600 l/min	One-Hand	Single Shut-Off	Compr. Air	World-wide	Coupl. 5 / Plug 10

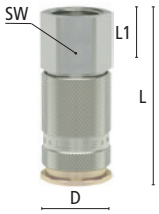
Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 3/8 m	71	24	27	12.5	162	ESACG 38 A
R 1/2 m	73	24	27	17	165	ESACG 12 A
R 3/4 m	73	27	27	17	194	ESACG 34 A



Couplings with female thread

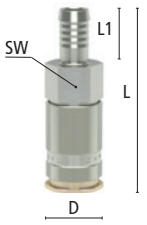
Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 f	65	24	27	11	164	ESACG 38 I
G 1/2 f	65	24	27	12	154	ESACG 12 I
G 3/4 f	69	32	27	16	219	ESACG 34 I



Couplings with hose barb

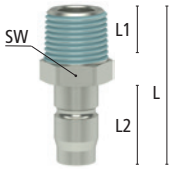
Hose connection	SW	L	D	L1	Weight	Type No.
Hose i.D. 8	85	24	27	25	158	ESACG 8 T
Hose i.D. 10	85	24	27	25	160	ESACG 10 T
Hose i.D. 13	85	24	27	25	165	ESACG 13 T
Hose i.D. 19	85	24	27	25	173	ESACG 19 T

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 3/8 m	46	19	12	28	41	ESACG 38 NAS
R 1/2 m	52	22	17	28	64	ESACG 12 NAS
R 3/4 m	54	27	19	28	85	ESACG 34 NAS



Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	40	19	9	28	32	ESACG 38 NIS
G 1/2 f	44	24	12	28	51	ESACG 12 NIS
G 3/4 f	49	32	16	28	100	ESACG 34 NIS



Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 8	55	15	24	28	28	ESACG 8 SS
Hose i.D. 10	55	15	25	28	26	ESACG 10 SS
Hose i.D. 13	55	15	25	28	30	ESACG 13 SS
Hose i.D. 16	55	18	25	28	35	ESACG 16 SS

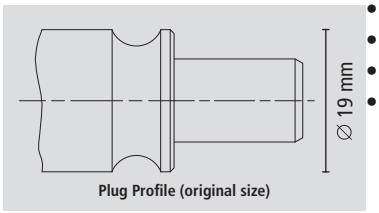
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Quick Connect Couplings

Series F1K made of Steel - single shut-off

DN 8



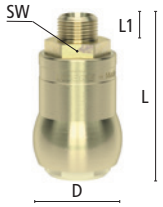
Plug Profile (original size)

- Extreme robust quick connect couplings for hardest working conditions i.e. in foundries

Materials

- Body, sleeve, valve body, plug: Steel zinc-plated and yellow passivated (free of chrome VI)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Valve: Brass MS 58 plain
- O-rings: Buna N

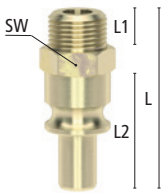
Max. Work. Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	8	ISO 228	1800 l/min	Two-Hand	Single Shut-Off	Compr. Air	Germany	10



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 3/8 m	67	24	37	10	**240**	**F 1 K**
G 1/2 m	67	24	37	10	**245**	**F 12 K**

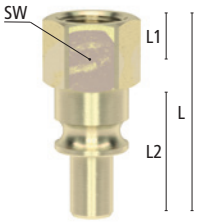
Male thread sealing with PVC-packing rings type HPD (page 167)



Plugs with male thread

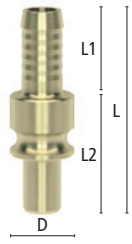
Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	51	19	10	32	54	**F1K 38 G**

Male thread sealing with PVC-packing rings type HPD (page 167)



Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	51	19	13	34	60	**F1K 14 GI**
G 3/8 f	51	22	13	34	69	**F1K 38 GI**

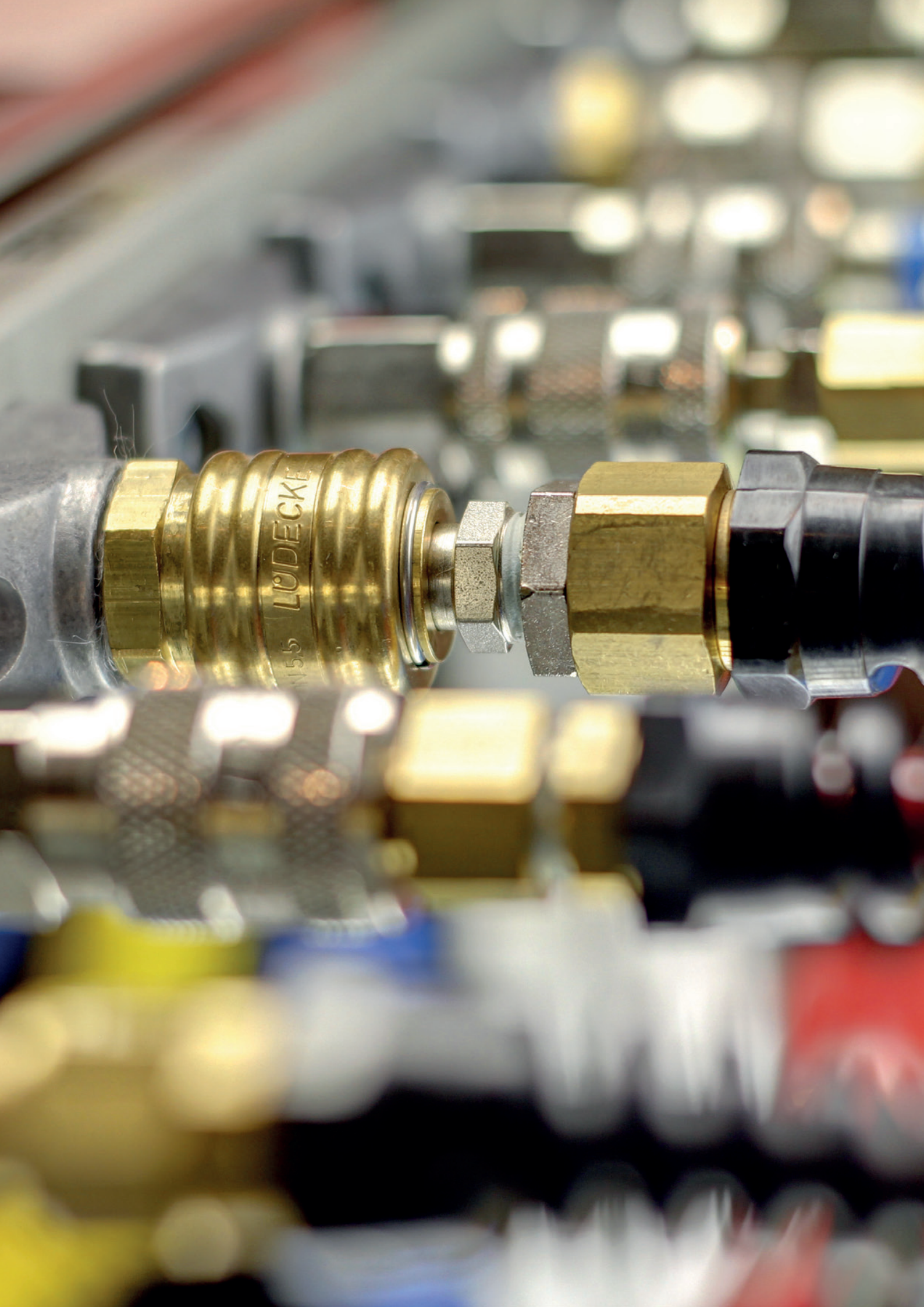


Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	60	19	25	32	39	**F1K 6 S**
Hose i.D. 9	60	19	25	32	39	**F1K 9 S**
Hose i.D. 11	60	19	25	32	43	**F1K 11 S**
Hose i.D. 13	60	19	25	32	45	**F1K 13 S**

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Special versions on request.


LÜDECKE

MODY Spiral Hoses made of Polyurethane

both Sides with Straight Ends

- High abrasion, pressure and wear resistance
- Extreme and constant recoil of the spiral, small coil diameter
- Elasticity, flexibility and bend stability
- Softener and metal free
- Absolutely silicon-free; recyclable, gas, oil and antifreeze resistant
- Exactly adapted assortment of reusable connections
- Space-saving despite of enormous reach
- Clean, safe and easy to store in individual packing
- Application: On air tools, assembly lines
- In pneumatics, automation, measuring and control technique, car industry, instrument making, mechanical engineering, garages, and more.
- Also suitable for other fluids (on request)



MODY Spiral Hoses with Swivelling Screwings on both sides assembled

Hose	Hose Length			Outer Spiral∅					
i.D./o.D.	Max. Working L.		Block Length		Type No. blue	Type No. yellow	Type No. red	Weight	Thread
4/6	3000	4500	370	33	PUB 463 DVK	PUG 463 DVK	PUR 463 DVK	310	R 1/4 m
4/6	6000	7500	480	33	PUB 466 DVK	PUG 466 DVK	PUR 466 DVK	350	R 1/4 m
5/8	3000	4500	320	36	PUB 583 DVK	PUG 583 DVK	PUR 583 DVK	380	R 1/4 m
5/8	6000	7500	610	36	PUB 586 DVK	PUG 586 DVK	PUR 586 DVK	500	R 1/4 m
6.5/10	3000	4500	320	52	PUB 65103 DVK	PUG 65103 DVK	PUR 65103 DVK	500	R 1/4 m
6.5/10	6000	7500	550	52	PUB 65106 DVK	PUG 65106 DVK	PUR 65106 DVK	690	R 1/4 m
6.5/10	8000	10000	660	52	PUB 65108 DVK	PUG 65108 DVK	PUR 65108 DVK	800	R 1/4 m
8/12	3000	4500	270	65	PUB 8123 DVK	PUG 8123 DVK	PUR 8123 DVK	650	R 3/8 m
8/12	6000	7500	550	65	PUB 8126 DVK	PUG 8126 DVK	PUR 8126 DVK	1030	R 3/8 m
8/12	8000	10000	620	65	PUB 8128 DVK	PUG 8128 DVK	PUR 8128 DVK	1150	R 3/8 m
9/13	3000	4500	280	68	PUB 9133 DVK	PUG 9133 DVK	PUR 9133 DVK	670	R 3/8 m
9/13	6000	7500	500	68	PUB 9136 DVK	PUG 9136 DVK	PUR 9136 DVK	1080	R 3/8 m
9/13	8000	10000	700	68	PUB 9138 DVK	PUG 9138 DVK	PUR 9138 DVK	1260	R 3/8 m
11/16	3000	4500	270	90	❷PUB 11163 DVS	PUG 11163 DVS	PUR 11163 DVS	1150	R 1/2 m
11/16	6000	7500	540	90	❷PUB 11166 DVS	PUG 11166 DVS	PUR 11166 DVS	1840	R 1/2 m
11/16	8000	10000	600	90	❷PUB 11168 DVS	PUG 11168 DVS	PUR 11168 DVS	2053	R 1/2 m
13/19	3000	4500	300	125	❸PUB 13193 SVS	PUG 13193 SVS		1230	R 3/4 m
13/19	6000	7500	480	125	❸PUB 13196 SVS	PUG 13196 SVS		1940	R 3/4 m
13/19	8000	10000	550	125	❸PUB 13198 SVS	PUG 13198 SVS		2410	R 3/4 m

Hose i.D./o.D. 4/6; 5/8; 6.5/10 with new material quality for more flexibility at best pressure and temperature characteristics!

❶ NW/AD 4/6 with mini quick connect coupling and plug DN 5 mini
❷ NW/AD 11/16 with spring of nickel-plated steel
❸ NW/AD 13/19 with rigid fitting and spring of nickel-plated steel



Polyurethane Hoses, non spiralled (minimum quantity 10m/type)

Hose i.D./o.D.	Weight g/m	Type No. blue	Type No. yellow	Type No. red
4/6	20	PUB 46-R	PUG 46-R	PUR 46-R
5/8	40	PUB 58-R	PUG 58-R	PUR 58-R
6.5/10	55	PUB 6510-R	PUG 6510-R	PUR 6510-R
8/12	80	PUB 812-R	PUG 812-R	PUR 812-R
9/13	90	PUB 913-R	PUG 913-R	PUR 913-R
11/16	130	PUB 1116-R	PUG 1116-R	PUR 1116-R
13/19	175	PUB 1319-R	PUG 1319-R	

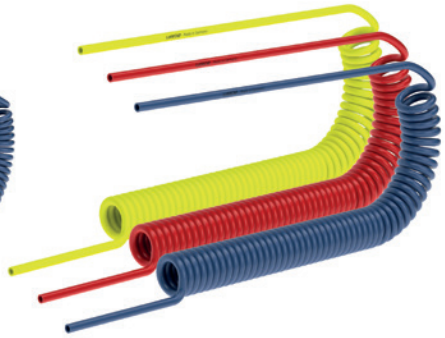
Materials

- Hose: Polyurethane (Polyester Polyurethane)
- Spring: Polyamide/Steel
- Screwing: Brass MS 58 plain, thread coated/ Steel nickel-plated
- Quick Connect Coupling: Brass MS 58 plain
- Plug: Steel hardened and nickel-plated

Max. Work. Pressure	Temperature	Media	Colours	Short End	Long End	
PN 10 bar	-20°C – +85°C	Compr. Air u.a.	blue, yellow, red	100	500	1







MODY Spiral Hoses with Swivelling One-Hand Quick Connect Couplings and Plug DN 7.2 assembled

MODY Spiral Hoses without Fittings

Type No. blue	Type No. yellow	Type No. red	Weight
❶PUB 463 ESM	PUG 463 ESM	PUR 463 ESM	310
❶PUB 466 ESM	PUG 466 ESM	PUR 466 ESM	340
PUB 583 ES	PUG 583 ES	PUR 583 ES	420
PUB 586 ES	PUG 586 ES	PUR 586 ES	550
PUB 65103 ES	PUG 65103 ES	PUR 65103 ES	545
PUB 65106 ES	PUG 65106 ES	PUR 65106 ES	730
PUB 65108 ES	PUG 65108 ES	PUR 65108 ES	850
PUB 8123 ES	PUG 8123 ES	PUR 8123 ES	690
PUB 8126 ES	PUG 8126 ES	PUR 8126 ES	1070
PUB 8128 ES	PUG 8128 ES	PUR 8128 ES	1190
PUB 9133 ES	PUG 9133 ES	PUR 9133 ES	710
PUB 9136 ES	PUG 9136 ES	PUR 9136 ES	1120
PUB 9138 ES	PUG 9138 ES	PUR 9138 ES	1300

Type No. blue	Type No. yellow	Type No. red	Weight
PUB 463	PUG 463	PUR 463	230
PUB 466	PUG 466	PUR 466	260
PUB 583	PUG 583	PUR 583	280
PUB 586	PUG 586	PUR 586	400
PUB 65103	PUG 65103	PUR 65103	370
PUB 65106	PUG 65106	PUR 65106	560
PUB 65108	PUG 65108	PUR 65108	680
PUB 8123	PUG 8123	PUR 8123	470
PUB 8126	PUG 8126	PUR 8126	850
PUB 8128	PUG 8128	PUR 8128	980
PUB 9133	PUG 9133	PUR 9133	504
PUB 9136	PUG 9136	PUR 9136	914
PUB 9138	PUG 9138	PUR 9138	1090
PUB 11163	PUG 11163	PUR 11163	760
PUB 11166	PUG 11166	PUR 11166	1370
PUB 11168	PUG 11168	PUR 11168	1580
PUB 13193	PUG 13193		807
PUB 13196	PUG 13196		1510
PUB 13198	PUG 13198		1960

- For higher volume demands other colours, hose dimensions, hose lengths and spiral diameters - according to your specifications - are possible
- If our standard range doesn´t meet your requirements, you can have your own combination of a hose without fittings completly assembled with fittings. The fittings can be added to the hose resp. can be assembled from 10 pcs./type onward in our works.
  For assembling we charge fitting. We can´t give any guarantee for hoses with fittings not assembled by ourselves.
- Please also note our system supplementions (complete range of quick connect couplings (page 8), pneumatic fittings (page 76) or air guns (page 70).

Necessary data for special versions	
Dimensions/ Characteristics:	**Fittings:**
AL Working Length	Type No. Short End
L 1 Short End	
L 2 Long End	Type No. Long End
D Spiral Diameter	
i.D./o.D. Size of hose	
Colour	
Inscription	

Compressed Air Blow-off Sets

Both Sides with Straight Ends

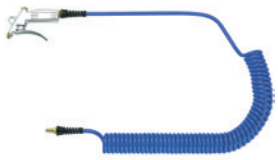
- MODY spiral hose with one-hand quick connect plug DN 7.2 on short end (10 cm) and Blow-off Gun (type APN or APK) on long end (50 cm) completely assembled
- Extraordinary elasticity and flexibility of the MODY spiral hose
- Space-Saving despite of enormous reach
- Polyamid bend and scratch protection
- Clean and safe stored in individual packing
- High quality, robust and handy Blow-off Guns
- For cleaning of working places and parts in industry, garages, and more

Materials

- Spiral: Polyurethane (Polyester Polyurethane)
- Plug: Brass MS 58 plain
- Spring: Polyamide
- Blow-Off Gun: Aluminium/ plastic

Max. Work. Pressure	Temperature	Media	Colour	Short End	Long End	
PN 10 bar	-10°C – +85°C	Compr. Air	Blue/ Yellow/ Red	100	500	1

MODY-Blow-off Sets blue with Plug DN 7.2 and Blow-off Gun APNO completely assembled



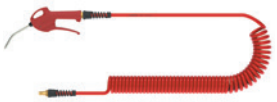
Hose-i.D./o.D.	Connection	Max. Working Length Hose Length		Block Length Outer Spiral∅		Weight	Type No.
5/8	Plug ES DN 7.2	3000	4500	260	36	586	PUB 583 APN
5/8	Plug ES DN 7.2	6000	7500	510	36	710	PUB 586 APN
6.5/10	Plug ES DN 7.2	3000	4500	230	52	702	PUB 65103 APN
6.5/10	Plug ES DN 7.2	6000	7500	490	52	887	PUB 65106 APN

MODY-Blow-off Sets yellow with Plug DN 7.2 and Blow-off Gun APNO completely assembled



Hose-i.D./-o.D.	Connection	Max. Working Length Hose Length		Block Length Outer Spiral∅		Weight	Type No.
5/8	Plug ES DN 7.2	3000	4500	260	36	586	PUG 583 APN
5/8	Plug ES DN 7.2	6000	7500	510	36	710	PUG 586 APN
6.5/10	Plug ES DN 7.2	3000	4500	230	52	702	PUG 65103 APN
6.5/10	Plug ES DN 7.2	6000	7500	490	52	887	PUG 65106 APN

MODY-Blow-off Sets red with Plug DN 7.2 and Blow-off Gun APKO completely assembled



Hose-i.D./-o.D.	Connection	Max. Working Length Hose Length		Block Length Outer Spiral∅		Weight	Type No.
5/8	Plug ES DN 7.2	3000	4500	260	36	436	PUR 583 APK
5/8	Plug ES DN 7.2	6000	7500	510	36	560	PUR 586 APK
6.5/10	Plug ES DN 7.2	3000	4500	230	52	552	PUR 65103 APK
6.5/10	Plug ES DN 7.2	6000	7500	490	52	737	PUR 65106 APK

Sets with Blow-off Valves or other Blow-off Guns, Nozzles or Connections on request.

NEW!

MODYFLEX PUR Spiral Hoses made of Polyurethane

Both Sides with Straight Ends

- Robust, extreme durable hose for high working pressure
- Hose of polyurethane, resistant, light and flexible (material extruded of an inner layer, a layer of reinforced braiding and an outer layer, inner and outer layer are made of the same material)
- Extra long straight end for more work flexibility
- For flexibility of compressed air lines on compressed air tools and assembly lines
- Application in pneumatic, automation, measuring and control technology, car industry, instrumentation mechanical engineering, garages, and more

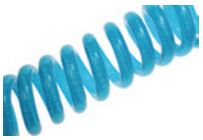
Material

- Spiral: Polyurethane (Polyether Polyurethane, Braid: Dacron Polyester)
- Spring: Polyamide
- Screwings: Brass MS 58 plain, thread coated
- Coupling: Brass MS 58 plain
- Plug: Steel hardened and nickel-plated

Max. Work. Pressure	Temperature	Media	Colours	Short End	Long End	
PN 14 bar*	-40°C – +70°C	Compr. Air a.o.	Blue transparent**	100	1000	1

Hose i.D./o.D.	Connection	Max. Working Length Hose Length	Block Length Outer Spiral∅	Weight	Type No.
8/12	without	4000	5500	350	65	500	PUC 8124
8/12	without	6000	7000	450	65	850	PUC 8126
8/12	2 x R 3/8 m swivelling	4000	5500	350	65	650	PUC 8124 DVK[1]
8/12	2 x R 3/8 m swivelling	6000	7000	450	65	1000	PUC 8126 DVK[1]
8/12	2 x ES DN 7.2 swivelling	4000	5500	350	65	750	PUC 8124 ES[2]
8/12	2 x ES DN 7.2 swivelling	6000	7000	450	65	1100	PUC 8126 ES[2]

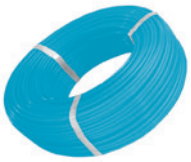




1 swivelling thread connections on both sides
2 with swivelling one-hand quick connect coupling and swivelling plug DN 7.2
*at 20°C
**braid is blue

MODYFLEX PUR Polyurethane Hose, non-spiralled (minimum quantity 10 m/ type)

Hose i.D./o.D.	Weight g/m	Type No.
8/12	76	PUC 812



System supplemententations

One-hand quick connect couplings (page 8)
Pneumatic screwings (page 76)
Blow-off guns and valves (page 70)

A : S : S Antistatic Spiral Hoses made of Polyurethane

Both Sides with Straight Ends

- All advantages of the MODY spiral hose
- Suitable for explosion proof areas according to guideline 94/9/EG (ATEX)
- Avoids static loadings, surface resistance ≤ 10^6 Ω
- Outside calibrated, suitable for push-in fittings
- Microbes-, hydrolysis- and UV-resistant
- Can be used for vacuum applications
- To be used for the production of electronic parts, in surface treatment industry, in mining and tunneling, for transport or assortment of parts

Materials

- Hose: Polyurethane (Polyether Polyurethane)
- Spring: Polyamide
- Screwing: Brass MS 58 plain, thread coated

Max. Work. Pressure	Temperature	Media	Colours	Short End	Long End	
PN 12 bar	-20°C – +85°C	Compr. Air, Water, etc.	Black	100	500	1





Hose i.D/o.D.	Connection	Max. Working Length	Hose Length	Block Length	Outer Spiral∅	Weight	Type No.
6/8	without	3000	4500	320	36	260	PUAS 683
6/8	without	6000	7500	610	36	380	PUAS 686
6/8	2xR 1/4 m rigid	3000	4500	320	36	380	PUAS 683 SVK
6/8	2xR 1/4 m rigid	6000	7500	610	36	500	PUAS 686 SVK
7.5/10	without	3000	4500	320	52	330	PUAS 75103
7.5/10	without	6000	7500	550	52	520	PUAS 75106
7.5/10	2xR 1/4 m rigid	3000	4500	320	52	470	PUAS 75103 SVK
7.5/10	2xR 1/4 m rigid	6000	7500	550	52	660	PUAS 75106 SVK
9/12	without	3000	4500	270	65	430	PUAS 9123
9/12	without	6000	7500	550	65	810	PUAS 9126
9/12	2xR 3/8 m rigid	3000	4500	270	65	580	PUAS 9123 SVK
9/12	2xR 3/8 m rigid	6000	7500	550	65	960	PUAS 9126 SVK

Other hose dimensions or working lengths on request.



A : S : S Antistatik Polyurethane Hose, non spiralled (minimum quantity 10 m/ type)

Hose i.D./o.D.	Weight g/m	Type No.
6/8	40	PU-AS 68-R
7.5/10	50	PU-AS 7510-R
9/12	70	PU-AS 912-R

System supplement

One-hand quick connect couplings (page 8)
Pneumatic screwings (page 76)
Blow-off guns and valves (page 70)

Flamex-Spark Protecting and Hot Water Spiral Hoses of Polyurethane

Both Sides with Straight Ends

- Spiral hoses of special polyurethane, high quality and extreme robust, resistant against sparks and welding (sparks run down) → offers all advantages of the MODY Spiral Hose
- Fluoride-free, halogen-free, silicon-free, hydrolysis resistant
- Extremely burn resistant, burn classification according to UL 94 =VO
- Outside calibrated, suitable for drag chain, durable
- Application: For compressed air and water supply under extreme conditions in industry (e.g. on welding robots, plastic injection machines) in garages near welding places, railways, public buildings, machine building

Materials

- Hose: Polyurethane (Polyether Polyurethane)
- Spring: Polyamide
- Screwing: Brass MS 58 plain, thread coated

Max. Work. Pressure	Temperature	Media	Colours	Short End	Long End	
PN 12 bar	-20°C – +85°C	Compr. Air, Water, etc.	Black	100	500	1

Hose i.D./o.D.	Connection	Max. Working Length Hose Length		Block Length Outer Spiral∅		Weight	Type No.
6/10	without	3000	4500	320	52	320	PUFS 6103
6/10	without	6000	7500	550	52	500	PUFS 6106
6/10	without	8000	10000	660	52	620	PUFS 6108
6/10	2 x R 1/4 m swiveling	3000	4500	320	52	450	PUFS 6103 DVK
6/10	2 x R 1/4 m swiveling	6000	7500	550	52	630	PUFS 6106 DVK
6/10	2 x R 1/4 m swiveling	8000	10000	660	52	750	PUFS 6108 DVK
8/12	without	3000	4500	275	65	440	PUFS 8123
8/12	without	6000	7500	550	65	720	PUFS 8126
8/12	without	8000	10000	635	65	950	PUFS 8128
8/12	2 x R 3/8 m swiveling	3000	4500	275	65	520	PUFS 8123 DVK
8/12	2 x R 3/8 m swiveling	6000	7500	550	65	800	PUFS 8126 DVK
8/12	2 x R 3/8 m swiveling	8000	10000	635	65	1130	PUFS 8128 DVK





Flamex Polyurethane Hose, non spiralled (minimum quantity 10 m/ type)

Hose i.D./o.D.	Weight g/m	Type No.
6/10	70	FSS 610-R
8/12	95	FSS 812-R



System supplement

One-hand quick connect couplings (page 8)
Pneumatic screwings (page 76)
Blow-off guns and valves (page 70)

MODY Duo Spiral Hoses made of Polyurethane

Both Sides with Straight Ends

- All advantages of the MODY spiral hose
- Easy assembling with swivelling fittings on both sides
- Application: In fluid-control, on measuring devices, automation, for different media or different compressed air lines combined, etc.

Materials

- Hose: Polyurethane (Polyether Polyurethane)
- Spring: Polyamide
- Screwing: Brass MS 58 plain, thread coated





Max. Work. Pressure	Temperature	Media	Colours	Short End	Long End	
PN 10 bar	-20°C – +85°C	Compr. Air	Blue/Yellow	100	500	1

Hose i.D/o.D.	Connection	Max. Working Length Hose Length		Block Length Outer Spiral∅		Weight	Type No.
6.5/10	without	3000	4500	450	65	750	PUBG 65103
6.5/10	without	6000	7500	770	65	1120	PUBG 65106
6.5/10	4xR 1/4 m swiveling	3000	4500	450	65	1000	PUBG 65103 DVK
6.5/10	4xR 1/4 m swiveling	6000	7500	770	65	1370	PUBG 65106 DVK

MODY Duo Polyurethane Hose, non spiralled (minimum quantity 10 m/ type)

Hose i.D./o.D.	Weight g/m	Type No.
6.5/10	78	PUBG 6510-DUO

System supplement

One-hand quick connect couplings (page 8)

Pneumatic screwings (page 76)

Blow-off guns and valves (page 70)

MODY CleanConnect Spiral Hoses made of Polyurethane

with Straight Sides for the Food Industry and Pharmacy

- High-abrasion, pressure and wear resistance as well as extreme and constant recoil of the spirals
- Perfect elasticity, flexibility, can be driven over, crush-resistant, free of taste and smell
- Resistant to microbes and hydrolysis, oil, gas and chemical resistant, good cold flexibility
- Polyurethane food-safe according to FDA 21 CFR 177.2600 and 178.2010, EU regulation 10/2011 and the newest regulation 2015/174
- Approved according to the EU regulation 1935/2004
- Production process according to GMP EC 2023/2006
- For applications in the pneumatic sector as well as for liquids, gases and abrasive solids
- For applications in the food industry (e.g. food conveying, dry, watery, acidic and fatty foods), pharmaceutical industry (FDA, EU regulation)

Food-Safe

Clean Connect by LÜDECKE

Materials

- Hose: Polyurethane (Polyether Polyurethane)
- Coupling, plug: Stainless steel 1.4305

Max. Working Pressure	Temperature	Media	Colours	Short End	Long End	
PN 12 bar	-40°C – +90°C	different	Transparent	100	500	1

Hose i.D./o.D.	Connection	Max. Working L. Hose Length		Block Length Outer Spiral∅		Weight	Type. Nr.
8/12	without	3000	4700	240	75	345	PUL 8123
8/12	without	6000	7600	400	75	555	PUL 8126
8/12	without	8000	9700	540	75	710	PUL 8128
8/12	ESE-coupling + plug	3000	4700	240	75	505	PUL 8123 ESE
8/12	ESE-coupling + plug	6000	7600	400	75	715	PUL 8126 ESE
8/12	ESE-coupling + plug	8000	9700	540	75	870	PUL 8128 ESE





MODY-CleanConnect-Hose of Polyurethane, non-spiraled (minimum quantity 10m/ type)

Hose i.D./o.D.	Weight g/m	Type. Nr.
8/12	80	PUL 812



System supplement

Quick connect couplings made of stainless steel (page 212)

Blow-off valve made of stainless steel (page 231)

Accessories for Mody Spiral Hoses

Hose Pincer and Replacement Blade

Type		Material	Weight	Type No.
Hose Pincer (for o.D. 1-19 mm)	1 (pc.)	steel	242	SZ-PU
Replacement Blade	1 set (2 pc.)	steel	8	MSZ



MODY Spiral Hose Fittings

made of Brass or Steel Nickel-Plated with Hose Strain Relief Guards

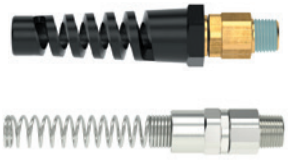
- All fittings removable and reusable
- Maximum bore for maximum flow-capacity
- Exactly adapted to PU-dimension and hardness
- Extreme pull and pressure-resistant
- Male threads tapered and environmental friendly Loctite-coated
- One-hand quick connect couplings (standard system DN 7.2 and DN 5)
- Swivelling screwings with double O-ring sealing and circlip, easy to turn under pressure
- All fittings also available with spring of steel on request

Materials

- Screwing: Brass MS 58 plain (thread coated), laminated / steel nickel-plated
- Quick connect couplings: Brass MS 58 plain
- Plug: Brass MS 58 plain/ steel hardened and nickel-plated
- Spring: Polyamide / stainless steel 1.4310

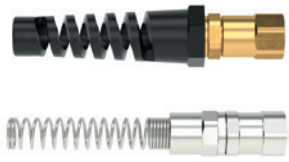
Max. Work. Pressure	Temperature	Thread	Media	
PN 15 bar	-40°C – +85°C	ISO 228 / DIN 2999	Compr. Air a.o.	5

Swivelling Squeeze Screwings with tapered male thread (coated) and hose strain relief guards



Thread Connection	For hose i.D./o.D.	Passage	Material	Weight	Type No.
R 1/4 m	4/6	3	Brass MS 58	43	DVK 4614
R 1/4 m	5/8	4.5	Brass MS 58	53	DVK 5814
R 1/4 m	6.5/10	5.5	Brass MS 58	64	DVK 651014
R 1/4 m	8/12	7	Brass MS 58	88	DVK 81214
R 3/8 m	8/12	7	Brass MS 58	88	DVK 81238
R 3/8 m	9/13	8	Brass MS 58	82	DVK 91338
R 1/2 m	11/16	10	Steel	239	DVS 111612*

Swivelling Squeeze Screwings with parallel female thread and hose strain relief guards



Thread Connection	For hose i.D./o.D.	Passage	Material	Weight	Type No.
G 1/4 f	5/8	4.5	Brass MS 58	58	DVK 5814 I
G 1/4 f	6.5/10	5.5	Brass MS 58	70	DVK 651014 I
G 3/8 f	8/12	7	Brass MS 58	80	DVK 81238 I
G 3/8 f	9/13	8	Brass MS 58	74	DVK 91338 I
G 1/2 f	11/16	10	Steel	254	DVS 111612 I*

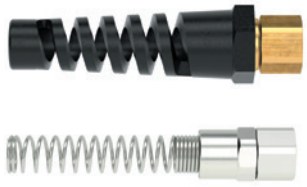
Rigid Squeeze Screwings with tapered male thread (coated) and hose strain relief guards



Thread Connection	For hose i.D./o.D.	Passage	Material	Weight	Type No.
R 1/4 m	4/6	3	Brass MS 58	25	SVK 4614
R 1/4 m	5/8	4.5	Brass MS 58	29	SVK 5814
R 1/4 m	6.5/10	5.5	Brass MS 58	43	SVK 651014
R 1/4 m	8/12	7	Brass MS 58	56	SVK 81214
R 3/8 m	8/12	7	Brass MS 58	63	SVK 81238
R 3/8 m	9/13	8	Brass MS 58	59	SVK 91338
R 1/2 m	11/16	10	Steel	171	SVS 111612*
R 1/2 m	13/19	12	Steel	205	SVS 131912*
R 3/4 m	13/19	12	Steel	210	SVS 131934*

On request also available in stainless steel 1.4305 against extra charge

Rigid Squeeze Screwings with parallel female thread and hose strain relief guards



Thread Connection	For hose i.D./o.D.	Passage	Material	Weight	Type No.
G 1/4 f	4/6	3	Brass MS 58	25	SVK 4614 I
G 1/4 f	5/8	4.5	Brass MS 58	31	SVK 5814 I
G 1/4 f	6.5/10	5.5	Brass MS 58	48	SVK 651014 I
G 3/8 f	8/12	7	Brass MS 58	66	SVK 81238 I
G 3/8 f	9/13	8	Brass MS 58	62	SVK 91338 I
G 1/2 f	11/16	10	Steel	180	SVS 111612 I *

*with spring of steel, male thread not coated



One-Hand Quick Connect Couplings with squeeze screwings and hose strain relief guards

	Hose Connection	Connection	Material	Version	Weight	Type No.
swivelling	For hose i.D./o.D. 4x6	Coupling ESM DN 5	Brass MS 58	swivelling	55	ESM 4 DVK
swivelling	For hose i.D./o.D. 5x8	Coupling ES DN 7.2	Brass MS 58	swivelling	65	ES 5 DVK
swivelling	For hose i.D./o.D. 6.5x10	Coupling ES DN 7.2	Brass MS 58	swivelling	111	ES 65 DVK
swivelling	For hose i.D./o.D. 8x12	Coupling ES DN 7.2	Brass MS 58	swivelling	115	ES 8 DVK
swivelling	For hose i.D./o.D. 9x13	Coupling ES DN 7.2	Brass MS 58	swivelling	131	ES 9 DVK
	For hose i.D./o.D. 4x6	Coupling ESM DN 5	Brass MS 58	rigid	45	ESM 4 SVK
	For hose i.D./o.D. 5x8	Coupling ES DN 7.2	Brass MS 58	rigid	55	ES 5 SVK
	For hose i.D./o.D. 6.5x10	Coupling ES DN 7.2	Brass MS 58	rigid	95	ES 65 SVK
	For hose i.D./o.D. 8x12	Coupling ES DN 7.2	Brass MS 58	rigid	103	ES 8 SVK
	For hose i.D./o.D. 9x13	Coupling ES DN 7.2	Brass MS 58	rigid	98	ES 9 SVK



One-Hand Quick Connect Plugs with squeeze screwings and hose strain relief guards

	Hose connection	Connection	Material	Version	Weight	Type No.
swivelling	For hose i.D./o.D. 4/6	Plug ESM DN 5	Hardened steel	swivelling	37	ESM 4 SDVK
swivelling	For hose i.D./o.D. 5/8	Plug ES DN 7.2	Hardened steel	swivelling	50	ES 5 SDVK
swivelling	For hose i.D./o.D. 6.5/10	Plug ES DN 7.2	Hardened steel	swivelling	62	ES 65 SDVK
swivelling	For hose i.D./o.D. 8/12	Plug ES DN 7.2	Hardened steel	swivelling	78	ES 8 SDVK
swivelling	For hose i.D./o.D. 9/13	Plug ES DN 7.2	Hardened steel	swivelling	75	ES 9 SDVK
	For hose i.D./o.D. 4/6	Plug ESM DN 5	Brass MS 58	rigid	17	ESM 4 SSVK*
	For hose i.D./o.D. 5/8	Plug ES DN 7.2	Brass MS 58	rigid	34	ES 5 SSVK
	For hose i.D./o.D. 6.5/10	Plug ES DN 7.2	Brass MS 58	rigid	46	ES 65 SSVK
	For hose i.D./o.D. 8/12	Plug ES DN 7.2	Brass MS 58	rigid	59	ES 8 SSVK
	For hose i.D./o.D. 9/13	Plug ES DN 7.2	Brass MS 58	rigid	57	ES 9 SSVK

*Plug ESM 4 SSVK nickel-plated



Squeeze Screwings for connections of MODY spiral hoses (only in connection or in exchange for original LÜDECKE MODY spiral hoses!) with compressed air lines or tools.



Compressed Air Blow-off Valves

made of Aluminium/ Brass - Standard Version

- Robust valves for continuous use under extreme conditions
- For cleaning of work spaces or parts in industry, craftmanship, garages, foundries, etc

Materials

- Blow-off valves: Aluminium/ Brass MS 58 plain
- Nozzle: Steel zinc-plated

Max. Working Pressure	Temperature	Thread	Media	
PN 12 bar	-20°C – +100°C	ISO 228	Compressed Air	5

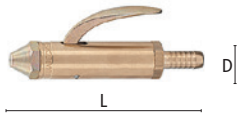
Compressed Air Blow-off Valves of aluminium



Connection	L	D	Version	Connection Nozzle	Nozzle bore	Weight	Type No.
G 1/4 f	108	22	with nozzle H2	G 3/8 f	2	110	AHL 14 I
Hose i.D. 6	115	22	with nozzle H2	G 3/8 f	2	104	AHL 6
Hose i.D. 9	115	22	with nozzle H2	G 3/8 f	2	105	AHL 9
Hose i.D. 13	115	22	with nozzle H2	G 3/8 f	2	108	AHL 13
Hose i.D. 15	115	22	with nozzle H2	G 3/8 f	2	111	AHL 15

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

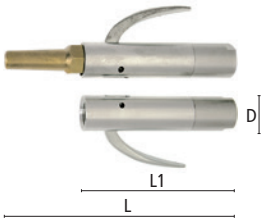
Compressed Air Blow-off Valves of brass



Connection	L	D	Version	Connection Nozzle	Nozzle bore	Weight	Type No.
Hose i.D. 6	115	22	with nozzle H2	G 3/8 f	2	206	AHM 6
Hose i.D. 9	115	22	with nozzle H2	G 3/8 f	2	210	AHM 9
Hose i.D. 11	115	22	with nozzle H2	G 3/8 f	2	217	AHM 11
Hose i.D. 13	115	22	with nozzle H2	G 3/8 f	2	219	AHM 13
G 1/4 m	115	22	with nozzle H2	G 3/8 f	2	209	AHM 14

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

Compressed Air Blow-off Valves of Aluminium or Brass - Long ergonomic version



Thread connection	L	D	L1	Version	Connection Nozzle	Material	Weight	Type No.
G 3/8 f	-	22	105	w/o nozzle (G 3/8 i)	G 3/8 f	Aluminium	95	AHL 38 IL
G 3/8 f	152	22	105	w nozzle LSD 38	G 3/8 f	Aluminium/ Brass	164	AHL 38 IL-LSD
G 3/8 f	152	22	105	w nozzle LSD 38	G 3/8 f	Brass	279	AHM 38 IL-LSD

Connections with male thread stems type T...M hose i.D. 6-13 mm

Nozzles and Spare Parts

for Compressed Air Blow-off Valves Type AHL / AHM

- Multi-function nozzle
  - 20 % more blow-effect at same air consumption as standard nozzle
  - Safety function (air shield against back-whirling dirt)
  - Injector function
  - Noise reduction to 83 DB
  - Fulfills US-safety norm OSHA

- Further nozzles and spare parts

Max. Working Pressure	Temperature	Thread	Media	
PN 12 bar	-20°C – +100°C	ISO 228 / DIN 13	Air a.o.	10



Multi-function nozzle for compressed air blow-off valves type AHL/ AHM

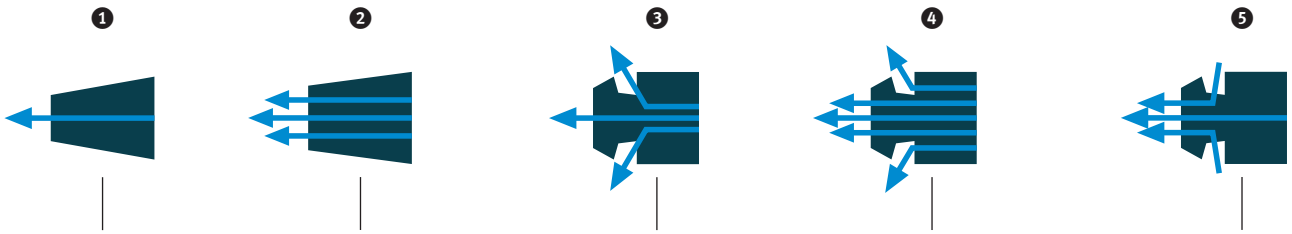
Thread connection	Nozzle bore	Material	Weight	Type No.
G 3/8 m	1.5 mm	Steel	41	MFD 2

Nozzles with male thread G 3/8"m for compressed air blow-off valves type AHL/M

Characteristics	Material	Weight	Type No.
❶Pointed nozzle	Steel	30	Düse H2
❷Noise damping nozzle	Steel	23	Düse GD2
❸Safety nozzle	Steel	45	Düse SD2
❹Noise damping safety nozzle	Steel	44	Düse GSD2
❺Injection nozzle	Steel	45	Düse J2
Extension nozzle	Steel	35	Düse VD2
Noise damping nozzle	Brass MS 58	69	LSD 38

Spare parts for blow-off valves type AHL/M

Characteristics	Type No.
Valve pin with O-Ring	AH-VSTIFT
Valve with spring	AH-AVKO
Handle	AH-HEBEL
Connection stem 6-15 mm Alu	TÜLLE AT..L
Connection stem 6-15 mm Brass MS 58	TÜLLE AT..M



Compressed Air Blow-off Valves

made of Aluminium Large Bore Version

- Nozzle bore 8 mm for multiple flow capacity i.e. for cleaning of heavy castings
- For cleaning of working areas and parts in industry, craftmanship, garages, etc.

Materials

- Blow-off valves: Aluminium
- Nozzle: Aluminium



Max. Working Pressure	Temperature	Media	
PN 12 bar	-20°C – +100°C	Compressed Air, Water	5

Compressed Air Blow-off Valves made of Aluminium

Hose connection	L	D	Nozzle bore	Weight	Type No.
Hose i.D. 13	185	35	8	338	**AHLG 13**
Hose i.D. 19	185	35	8	352	**AHLG 19**

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

NEW!

Compressed Air Blow-off Valve

made of Stainless Steel

- Blow-off valve made of stainless steel for permanent use under heavy working conditions
- For cleaning of working areas and parts at applications with elevated hygiene regulations

Materials

- Blow-off valve: Stainless steel 1.4305
- Handle: Stainless steel 1.4308

Clean Connect by LÜDECKE



Max. Working Pressure	Temperature	Media	
PN 12 bar	-20°C – +100°C	Compressed Air	5

Compressed Air Blow-off Valve made of Stainless Steel

Connection	Version	Nozzle bore	L	D	Weight	Type No.
Plug ESE	with nozzle HE2	2	108	22	277	**AHLE ESE**

Compressed Air Blow-off Guns

made of Forged Aluminium - Standard Version

- High quality, robust, handy, especially suitable for continuous use
- With long handle, suspension bow and different connections
- For cleaning of working places and parts in industry, craftmanship, garages, etc.

Materials

- Blow-off Gun: Aluminium
- Valve: Steel zinc-plated

Max. Working Pressure	Temperature	Thread	Media	
PN 12 bar	-20°C –to+100°C	ISO 228 / DIN 13	Compressed Air	5

Blow-off Gun Standard

Connection	L	B	Version	Connection Nozzle	Nozzle bore	Weight	Type No.
G 1/4 f	140	77	w/o valve	M 12x1.25 f	-	222	APN 00
G 1/4 f	160	90	w valve P1	M 12x1.25 f	2	237	APN 0
Hose i.D. 6	175	90	w valve P1	M 12x1.25 f	2	254	APN 6
Hose i.D. 9	175	90	w valveP1	M 12x1.25 f	2	260	APN 9
Hose i.D. 11	175	90	w valve P1	M 12x1.25 f	2	264	APN 11
Hose i.D. 13	175	90	w valve P1	M 12x1.25 f	2	277	APN 13
G 1/4 m	160	90	w valve P1	M 12x1.25 f	2	256	APN 14
ES 14 NA	170	90	w valve P1	M 12x1.25 f	2	259	APN 14 NA



Compressed Air Blow-off Guns

made of Forged Aluminium - Dosage

- Continually dosable (without interruption) air stream for suitable blow-off effect
- High quality, robust, handy, especially suitable for continuous use
- With long handle, suspension bow and different connections
- APND-NA-MFD with plug DN 7.2 at the side to be connected with from top coming hoses assembled with angle coupling DN 7.2 ES..T-90
- For cleaning of working places and parts in industry, craftmanship, garages, etc.

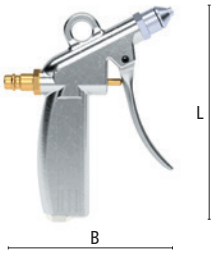
Materials

- Blow-off Gun: Aluminium
- Valve: Steel zinc-plated

Max. Working Pressure	Temperature	Thread	Media	
PN 12 bar	-20°C – +100°C	ISO 228 / DIN 13	Compressed Air	5

Blow-off Gun Dosage

Connection	L	B	Version	Connection Nozzle	Nozzle bore	Weight	Type No.
G 1/4 f	140	77	w/o vlave	M 12x1.25 f	-	222	APND 00
G 1/4 f	160	90	w valve P1	M 12x1.25 f	2	237	APND 0
G 1/4 f	160	90	w MFD 1	M 12x1.25 f	1.5	268	APND 0 MFD
Plug DN 7.2	160	110	w MFD 1	M 12x1.25 f	1.5	290	APND-NA-MFD





Nozzles and Spare Parts

for Compressed Air Blow-off Guns Type APN and APND

- Multi-function nozzle
  - 20% more blow-effect at same air consumption as standard nozzle
  - Safety function (air shield against back-whirling dirt)
  - Injector function
  - Noise reduction to 83 DB
  - Fulfills US-safety norm OSHA

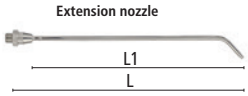
- Further valves, screwings and spare parts

Max. Working Pressure	Temperature	Thread	Media	📦
PN 12 bar	-20°C – +100°C	ISO 228 / DIN 13	Air a.o.	5/10



Multi function nozzle for compressed air blow-off guns type APN and APND

Thread connection	Nozzle bore	Material	Weight	📦	Type No.
M 12x1.25	1.5	Steel	31	5	MFD 1





Nozzles for Blow-off Guns type APN and APND with male thread M 12 x 1.25

Characteristics	Thread connect.	L	L1	Material	📦	Weight	Type No.
❶Pointed nozzle	M 12x1.25 m			Steel	10	20	DÜSE P1
❷Noise damping nozzle	M 12x1.25 m			Steel	10	13	DÜSE GD1
❸Safety nozzle	M 12x1.25 m			Steel	10	30	DÜSE SD1
❹Noise damping safety nozzle	M 12x1.25 m			Steel	10	27	DÜSE GSD1
❺Injection nozzle	M 12x1.25 m			Steel	10	31	DÜSE J1
Extension nozzle straight	M 12x1.25 m	160	145	Brass MS nickel-pl	10	25	DÜSE VD1
Extension nozzle curved	M 12x1.25 m	115	100	POM/Steel nickel-pl	5		DÜSE VDG 120
Extension nozzle curved	M 12x1.25 m	160	145	Brass MS nickel-pl	5		DÜSE VDG 165
Extension nozzle curved	M 12x1.25 m	260	245	Brass MS nickel-pl	5		DÜSE VDG 260
Noise damping nozzle	M 12x1.25 m			Die cast zinc	10	59	LSD 125
Adjustable nozzle OSHA/SUVA	M 12x1.25 m			ALU/ POM	5		DÜSE GD1 O

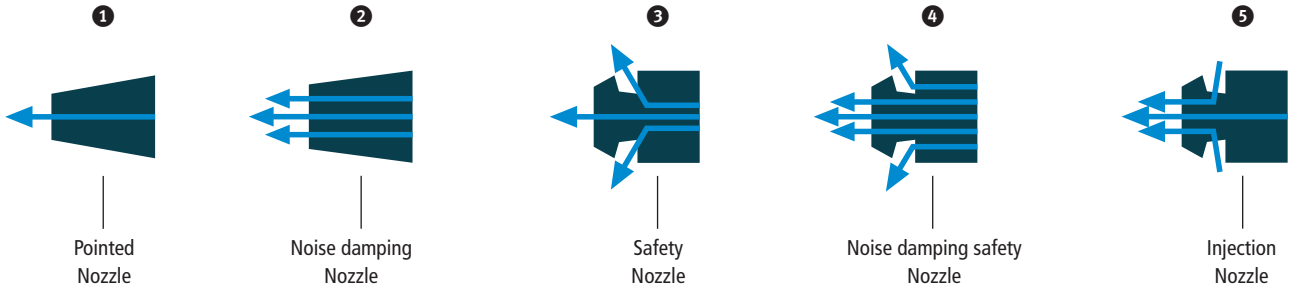


Swivel head screwing for trimming of blow-off nozzles

Thread connection	L	SW	D	L1	L2	Material	Displacement	📦	Weight	Type No.
G 1/4 m - G 1/4 f	53	22	27	9	10	Brass MS 58 plain	aprox. 47°	10	104	KGV 14

Spare Parts for compressed air Blow-off Guns type APN

Characteristics	📦	Type No.
Valve pin with O-ring	10	APN-VSTIFT
Valve with spring	10	APN-PVK
Handle	10	APN-HEBEL
Plug with O-ring	10	APN-STOPFEN



Compressed Air Blow-off Guns

made of Plastic

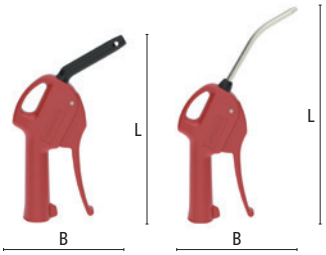
- Blow-off gun of robust, scratchproof, isolating and nonslip composite material
- Perfectly fitted to the shape of the hand and therefore particularly ergonomic
- Input connector meshed with brass insert: complete safety and tightness when mounting
- Targeted jet, nozzle angle and natural alignment of the air jet enable precise working
- Fine dosing, for precise adjustment of the jet only a small amount of operation force is needed
- Absolutely tight system, thus no foreign bodies are able to intrude and block the mechanism
- Smooth surface without irregularities, therefore no dust deposits on the nozzle and body are possible
- 2 possibilities for hanging , safe and practical
- For cleaning of working places and parts in industry, craftmanship, garages, etc.

Materials

- Body: Plastic • Incoming connection: Brass
- Nozzle: Direct blow-off nozzle - steel, OSHA nozzle - composite material

Max. Work. Pressure	Temperature	Thread	Media	
PN 10 bar	-15°C – +70°C	ISO 228	Compressed Air	5

Connection	L	B	Nozzle bore	Weight	Type No.
G 1/4 f	164	200	6	110	APK 0
Plug DN 7.2	164	200	6	110	APK 14 NA
G 1/4 f	140	168	12	110	APK 0-OSHA
Plug DN 7.2	140	168	12	110	APK-OSHA 14 NA



NEW!

Compressed Air Blow-off Guns

made of Die Cast Zinc

- Blow-off made of die cast zink/ aluminium
- Nozzle with "Coanda Effect" produces exceptional air stream
- According to OSHA
- Safe and practical hanging possibilities
- For cleaning of working places and parts in industry, crafmanship, garages, etc.

Materials

- Compressed air blow-off gun: Die cast zinc
- Nozzle: Aluminium

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	0°C – +80°C	ISO 228	Compressed Air	1

Connection	L	B	T	Nozzle bore	Weight	Type No.
G 1/4 f	265	180	32	UNS 1/2 - 27 f	285	APT 0
DN 7.2 nickel-plated	265	180	32	UNS 1/2 - 27 f	307	APT 14 NA



Pneumatic Fittings
made of Brass Plain

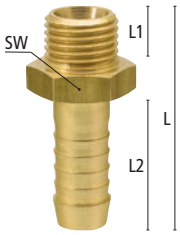
- For fluid-control, compressed air, automation, measure-, control- and regulation technique, welding, etc.

Pneumatic 1/3-Screwings

Materials
- Screwings: Brass MS 58 plain

Max. Working Pressure	Thread	Media	
PN 12 bar	ISO 228	Compressed air, Gas u.a	10

Thread stem with parallel male thread and inner cone 37°



Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/8 m	Hose i.D. 6	37	13	7	25	5	12	T 186 M
G 1/8 m	Hose i.D. 9	37	13	7	25	5	20	T 189 M
G 1/4 m	Hose i.D. 6	39	17	9	25	5	19	T 146 M
G 1/4 m	Hose i.D. 8	39	17	9	25	6	21	T 148 M
G 1/4 m	Hose i.D. 9	39	17	9	25	7	22	T 149 M
G 1/4 m	Hose i.D. 11	39	17	9	25	8	26	T 1411 M
G 1/4 m	Hose i.D. 13	39	17	9	25	8	34	T 1413 M
G 3/8 m	Hose i.D. 6	40	19	10	25	5	25	T 386 M
G 3/8 m	Hose i.D. 8	40	19	10	25	6	27	T 388 M
G 3/8 m	Hose i.D. 9	40	19	10	25	7	28	T 389 M
G 3/8 m	Hose i.D. 11	40	19	10	25	8	33	T 3811 M
G 3/8 m	Hose i.D. 13	40	19	10	25	9.5	36	T 3813 M
G 1/2 m	Hose i.D. 6	40	24	10	25	5	37	T 126 M
G 1/2 m	Hose i.D. 9	40	24	10	25	7	41	T 129 M
G 1/2 m	Hose i.D. 13	40	24	10	25	11	44	T 1213 M
G 3/4 m	Hose i.D. 9	56	27	16	32	13	125	T 3419 TM*
G 1 m	Hose i.D. 25	70	36	17	41	20	210	T 1025 TM*

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318) Thread sealing with PVC-packing rings type HPD (page 167)

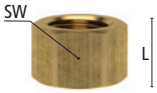
*without inner cone

Pneumatic 2/3-Screwings

Materials
- Screwings: Brass MS 58 plain

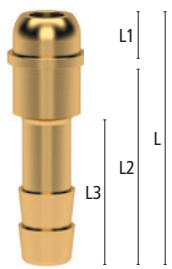
Max. Working Pressure	Thread	Media	
PN 12 bar	ISO 228	Compressed air, Gas u.a	10

Hexagon nut



Thread connection	L	SW	Bore	Gewicht	Type No.
G 1/8 f	12	13	7.2	13	U 18 M
G 1/4 f	14	17	10.6	16	U 14 M
G 3/8 f	15	19	13	15	U 38 M
G 1/2 f	16	24	15.5	28	U 12 M

Thread Stems with male thread for hexagon nut



Hose connection	Version for	L	L1	L2	L3	Bore	Weight	Type No.
Hose i.D. 6	U 18 M	40	4	34	28	4	7	ST 186 M
Hose i.D. 6	U 14 M	42	6	34	28	4	12	ST 146 M
Hose i.D. 9	U 14 M	42	6	34	28	5.5	14	ST 149 M
Hose i.D. 6	U 38 M	47	7	38	28	4	23	ST 386 M
Hose i.D. 9	U 38 M	47	7	38	28	6.5	23	ST 389 M
Hose i.D. 11	U 38 M	47	7	38	28	7	30	ST 3811 M
Hose i.D. 6	U 12 M	47	7	38	29	4	32	ST 126 M
Hose i.D. 9	U 12 M	47	7	38	29	6.5	33	ST 129 M
Hose i.D. 13	U 12 M	47	7	38	29	9	34	ST 1213 M

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)

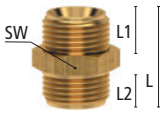
Pneumatic Fittings
made of Brass Plain

Max. Working Pressure	Thread	Media	
PN 12 bar	ISO 228 / DIN 2999	Compressed air, u.a	10

Pneumatic Double Nipples with male thread and inner cone 37°

Thread connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/8 m - G 1/8 m	19	13	7	7	5	10	D 18 M
G 1/8 m - G 1/4 m	21	17	7	9	5	18	D 84 M
G 1/4 m - G 1/4 m	23	17	9	9	7.5	19	D 14 M
G 1/4 m - G 3/8 m	24	19	9	10	7.5	26	D 48 M
G 1/4 m - G 1/2 m	27	24	9	12.5	7.5	48	D 42 M
G 3/8 m - G 3/8 m	25	19	10	10	9	30	D 38 M
G 3/8 m - G 1/2 m	28	24	10	12.5	9	50	D 82 M
G 1/2 m - G 1/2 m	30	24	12.5	12.5	12	54	D 12 M

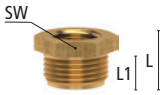
Male thread sealing with PVC-packing rings type HPD (page 167)



Pneumatic Reducing Nipples with female thread/ male thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f - G 1/4 m	13	17	9	10	R 84 N
G 1/4 f - G 3/8 m	14	19	10	10	R 48 N
G 1/4 f - G 1/2 m	15	24	11	29	R 42 N
G 3/8 f - G 1/2 m	15	24	11	19	R 82 N
G 1/2 f - G 3/4 m	21	32	14	55	R 24 NM
G 1/2 f - G 1 m	20	36	15	90	R 21 N

Male thread sealing with PVC-packing rings type HPD (page 167)



Pneumatic Hose Menders

Hose connection	L	Bore	Weight	Type No.
Hose i.D. 6	52	4	15	SV 6 M
Hose i.D. 8	52	6	21	SV 8 M
Hose i.D. 9	52	7	25	SV 9 M
Hose i.D. 11	52	9	36	SV 11 M
Hose i.D. 13	52	10	30	SV 13 M
Hose i.D. 19	65	16	67	SV 19 M
Hose i.D. 25	80	21.5	102	SV 25 M

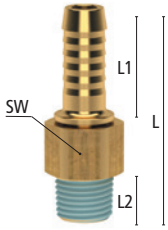
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Swivelling thread stems with tapered male thread, Loctite-coated

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
R 1/4 m	Hose i.D. 6	50	17	25	11	5	32	TD 146 M
R 1/4 m	Hose i.D. 9	50	17	25	11	6	38	TD 149 M
R 3/8 m	Hose i.D. 6	52	19	25	12	5	45	TD 386 M
R 3/8 m	Hose i.D. 9	52	19	25	12	7	49	TD 389 M
R 3/8 m	Hose i.D. 11	52	19	25	12	7	56	TD 3811 M

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Pneumatic Fittings
made of Brass Plain

Angle Screwings

Materials
- Angle screwings: Brass MS 58 plain

Max. Working Pressure	Temperature	Type of Valve	Media	
PN 15 bar	-20°C – +200°C	straight-through	different	10

Angle Screwings for 45° or 90°



Thread connection	L	SW	L1	L2	Version	Weight	Type No.
G 1/4 m - G 1/4 f	29	20	8	10	45°	42	W 14 IA-45
G 1/4 m - G 1/4 f	29	20	8	13.5	90°	53	W 14 IA-90

To be combined with female thread couplings, male thread stems and male plugs G 1/4 f

Manifolds for Quick Connect Couplings
made of Brass MS 58

- Manifolds for quick connect couplings of brass
- 3-way manifolds or 4-way manifolds with female thread
- For the supply of compressed air on central places

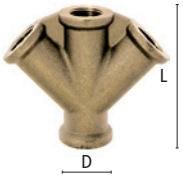
Materials
- Distributor and quick connect coupling: Brass MS 58 plain

Max. Working Pressure	Temperature	Media	
PN 35 bar	-20°C – +100°C	Compressed air a.o.	5



3-way manifolds with female thread

Thread connection	L	D	Bore	Weight	Type No.
3 x G 3/8 f	46	26	15	93	DWS 38
3 x G 1/2 f	50	27.5	19	100	DWS 12



4-way manifolds with female thread

Thread connection	L	D	Bore	Weight	Type No.
4 x G 3/8 f	61	26	15	191	VWS 38
4 x G 1/2 f	59.5	27.5	19	170	VWS 12

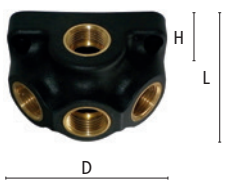
NEW!

Manifold for Quick Connect Couplings
made of Plastic

- Manifold made of plastic with brass inserts
- 4-way manifold with female thread
- For compressed air on central distribution point
- For wall mounting 4 x Ø 5.5m - 70x44

Materials
- Housing: Polyamide 6 with 30% fiberglass
- Inserts: Brass MS 58 plain

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Media	
PN 16 bar	-10°C – +50°C	15	ISO 228	4000l/min	compressed air/neutral, atoxic, non-flammable gases	1



4-way manifold with female thread

Thread connection	L	D	H	Weight	Type No.
4 x G 1/2 f	52	85	60	230	WV 12

Pneumatic Fittings
made of Brass Nickel-Plated

- For fluid-control, compressed air, automation, measure, control and regulation technology, etc.

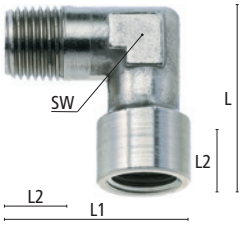
Materials

- Fittings: Brass MS 58 nickel-plated

Max. Working Pressure	Thread	Media	
PN 8 bar	ISO 228 / DIN 2999	Compressed air a.o.	10

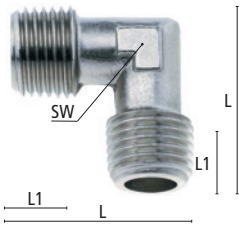
Elbow Connectors with tapered male thread and parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - G 1/8 f	21	11	18.8	8	21	VL 202-18
R 1/4 m - G 1/4 f	25.5	13	24.5	11	38	VL 202-14
R 3/8 m - G 3/8 f	28	17	25.3	12	61	VL 202-38
R 1/2 m - G 1/2 f	14	21	30	14	103	VL 202-12



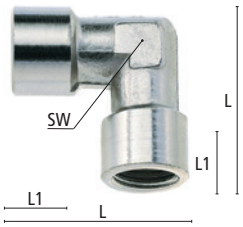
Elbow Connectors with both sides tapered male thread

Thread connection	L	SW	L1	Weight	Type No.
2 x R 1/8 m	17.8	10	8	10	VL 200-18
2 x R 1/4 m	21	11	11	21	VL 200-14
2 x R 3/8 m	25.3	13	12	38	VL 200-38
2 x R 1/2 m	28.5	17	14	61	VL 200-12



Elbow Connectors with both sides parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 f	21	11	8	23	VL 201-18
2 x G 1/4 f	25.5	13	11	42	VL 201-14
2 x G 3/8 f	28	17	12	72	VL 201-38
2 x G 1/2 f	33	21	14	116	VL 201-12



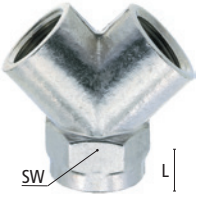
Y-Connectors with tapered male thread and 2 x parallel female thread

Thread connection	L	SW	Weight	Type No.
R 1/8 m - 2 x G 1/8 f	8	14	22	VM 204-18
R 1/4 m - 2 x G 1/4 f	11	17	43	VM 204-14
R 3/8 m - 2 x G 3/8 f	12	22	55	VM 204-38
R 1/2 m - 2 x G 1/2 f	14	26	108	VM 204-12



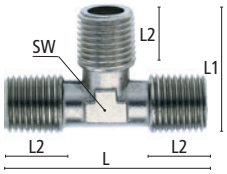
Y-Connectors with 3 x parallel female thread

Thread connection	L	SW	Weight	Type No.
3 x G 1/8 f	8	14	32	VF 204-18
3 x G 1/4 f	11	17	36	VF 204-14
3 x G 3/8 f	12	22	42	VF 204-38
3 x G 1/2 f	14	26	101	VF 204-12



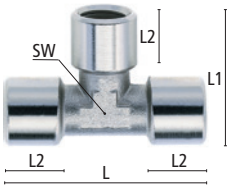
Pneumatic Fittings

made of Brass Nickel-Plated



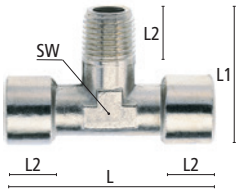
T-Adaptors with 3 x tapered male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
3 x R 1/8 m	35.5	10	17.8	8	20	VTT 208-18
3 x R 1/4 m	42	11	21	11	30	VTT 208-14
3 x R 3/8 m	50.5	13	25.3	12	56	VTT 208-38
3 x R 1/2 m	57	17	28.5	14	128	VTT 208-12



T-Adaptors with 3 x parallel female thread

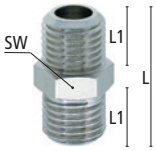
Thread connection	L	SW	L1	L2	Weight	Type No.
3 x G 1/8 f	42	11	21	8	31	VTT 200-18
3 x G 1/4 f	51	13	25.5	11	62	VTT 200-14
3 x G 3/8 f	56	17	28	12	97	VTT 200-38
3 x G 1/2 f	66	21	33	14	161	VTT 200-12



T-Adaptors with tapered male thread and 2 x parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - 2 x G 1/8 f	42	11	21	8	26	VTC 206-18
R 1/4 m - 2 x G 1/4 f	51	13	25.5	11	56	VTC 206-14
R 3/8 m - 2 x G 3/8 f	56	17	28	12	91	VTC 206-38
R 1/2 m - 2 x G 1/2 f	66	21	33	14	150	VTC 206-12

Double Adaptor with both sides parallel male thread



Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 m	16.7	14	6	10	VNC 260-18
2 x G 1/4 m	21.2	14	8	15	VNC 260-14
2 x G 3/8 m	23.2	19	9	28	VNC 260-38
2 x G 1/2 m	25.7	24	10	32	VNC 260-12
2 x G 3/4 m	29	30	11	68	VNC 260-34

Male thread sealing with PVC-packing rings type HPD (page 167)

Reducing Double Adaptor with both sides parallel male thread



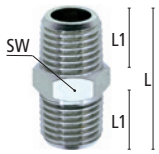
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m - G 1/4 m	19.2	17	6	8	15	VNR 261-184
G 1/8 m - G 3/8 m	20.2	19	6	9	20	VNR 261-188
G 1/8 m - G 1/2 m	24.7	24	6	10	34	VNR 261-182
G 1/4 m - G 3/8 m	22.2	19	8	9	21	VNR 261-148
G 1/4 m - G 1/2 m	23.7	24	8	10	26	VNR 261-142
G 3/8 m - G 1/2 m	24.7	24	9	10	38	VNR 261-382
G 1/2 m - G 3/4 m	27.5	28	10	11	65	VNR 261-124

Male thread sealing with PVC-packing rings type HPD (page 167)

Pneumatic Fittings
made of Brass Nickel-Plated

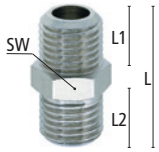
Double Adaptors with both sides tapered male thread

Thread connection	L	SW	L1	Weight	Type No.
2 x R 1/8 m	19.7	12	7.6	9	VNC 250-18
2 x R 1/4 m	27	14	11	16	VNC 250-14
2 x R 3/8 m	28.2	17	11.6	26	VNC 250-38
2 x R 1/2 m	33.5	22	14	52	VNC 250-12
2 x R 3/4 m	39	27	16.5	69	VNC 250-34



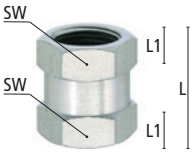
Reducing Double Adaptors with both sides tapered male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m - R 1/4 m	23.6	14	7.6	11	14	VNR 251-184
R 1/8 m - R 3/8 m	24.2	17	7.6	11.6	19	VNR 251-188
R 1/4 m - R 3/8 m	26.6	17	11	11.6	23	VNR 251-148
R 1/4 m - R 1/2 m	27.6	22	11	14	40	VNR 251-142
R 3/8 m - R 1/2 m	31.5	22	11.6	14	44	VNR 251-382
R 1/2 m - R 3/4 m	37.6	27	14	16.6	68	VNR 251-124



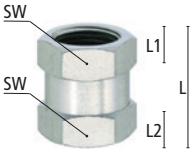
Double Adaptors with both sides parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
2 x G 1/8 f	15	14	8	12	VM 254-188
2 x G 1/4 f	22	17	11	21	VM 254-144
2 x G 3/8 f	24	22	12	39	VM 254-388
2 x G 1/2 f	30	27	15	50	VM 254-122



Reducing Double Adaptors with both sides parallel female thread

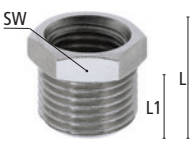
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f - G 1/4 f	19.6	17	8	11	25	VM 255-184
G 1/4 f - G 3/8 f	23	22	11	12	47	VM 255-148
G 1/2 f - G 3/4 f	30	32	15	17	107	VM 255-124



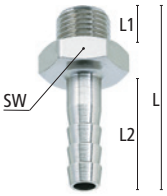
Reducing Adaptors with parallel male and female thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f - G 1/4 m	13	17	8	11	VRC 100-148
G 1/4 f - G 3/8 m	14	19	9	12	VRC 100-384
G 3/8 f - G 1/2 m	15.5	24	10	24	VRC 100-128
G 1/2 f - G 3/4 m	17.5	30	12	41	VRC 100-342

Male thread sealing with PVC-packing rings type HPD (page 167)



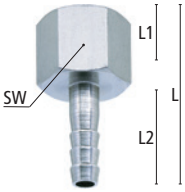
Pneumatic Fittings
made of Brass Nickel-Plated



Hose barb adaptor with parallel male thread

Thread connection	Hose connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	Hose i.D. 6	32	13	7	20	10	**VPG 260-186**
G 1/8 m	Hose i.D. 9	32	13	7	20	13	**VPG 260-189**
G 1/4 m	Hose i.D. 6	34	17	9	20	16	**VPG 260-146**
G 1/4 m	Hose i.D. 9	34	17	9	20	19	**VPG 260-149**
G 3/8 m	Hose i.D. 9	35	19	10	20	24	**VPG 260-389**
G 3/8 m	Hose i.D. 14	39	19	10	24	29	**VPG 260-3814**
G 1/2 m	Hose i.D. 14	40	24	10	24	39	**VPG 260-1214**
G 3/4 m	Hose i.D. 20	47	30	12	28	87	**VPG 260-3420**

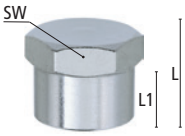
For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)
Male thread sealing with PVC-packing rings type HPD (page 167)



Hose barb adaptor with parallel female thread

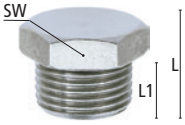
Thread connection	Hose connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	Hose i.D. 6	31	13	9	20	13	**VPG 250-186**
G 1/4 f	Hose i.D. 6	34	17	11	20	20	**VPG 250-146**
G 1/4 f	Hose i.D. 9	34	17	11	20	23	**VPG 250-149**
G 3/8 f	Hose i.D. 9	35	22	12	20	27	**VPG 250-389**
G 1/2 f	Hose i.D. 13	41.5	24	14	24	45	**VPG 250-1213**

For hose clips type ZOS (page 314), type HS (page 315) or crimping ferrules type LPH (page 318)



Hexagon Locking nut with parallel female thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 f	12	14	9	11	**VE 265-18**
G 1/4 f	14	17	10	17	**VE 265-14**
G 3/8 f	15.5	22	11	27	**VE 265-38**
G 1/2 f	17	24	12	28	**VE 265-12**
G 3/4 f	17.5	30	13	47	**VE 265-34**



Hexagon Locking nut with parallel male thread

Thread connection	L	SW	L1	Weight	Type No.
G 1/8 m	10.5	14	6	8	**VE 261-18**
G 1/4 m	13	17	8	14	**VE 261-14**
G 3/8 m	14	19	9	18	**VE 261-38**
G 1/2 m	15.5	24	10	27	**VE 261-12**
G 3/4 m	17.5	30	12	53	**VE 261-34**

Male thread sealing with PVC-packing rings type HPD (page 167)

Hexagon Ball Valves

- Miniature ball valves made of brass, nickel-plated
- For pneumatic or water installations in industry, construction or civil applications

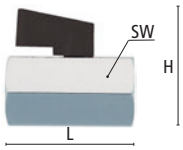
Materials

- Body: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chrome-plated
- Ball sealing: PTFE
- Handle: Plastic

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	-10°C – +90°C	ISO 228	Air / Water	10

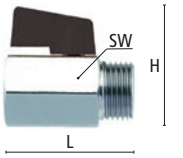
Hexagon Ball Valves with 2 x female thread

Thread connection	L	SW	H	Bore	Weight	Type No.
2 x G 1/4 f	36	19	38	5.5	71	KM 14 TS
2 x G 3/8 f	41	21	38	8	86	KM 38 TS
2 x G 1/2 f	48	25	42	10	137	KM 12 TS



Hexagon Ball Valves with female/male thread

Thread connection	L	SW	H	Bore	Weight	Type No.
G 1/4 m - G 1/4 f	36	19	38	5.5	61	KMZ 14 TS
G 3/8 m - G 3/8 f	41	21	38	8	83	KMZ 38 TS
G 1/2 m - G 1/2 f	48	25	42	10	130	KMZ 12 TS



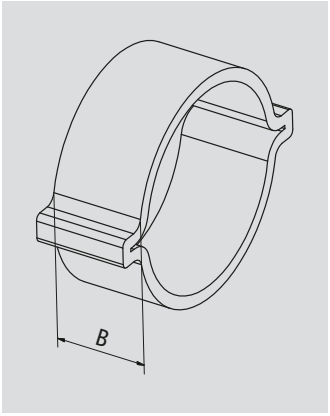
Double-Ear Hose Clips

- Clips made of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No risk of injury, closed and unremovable connection
- Suitable for assembly of many hoses and fittings for use with various media

Materials

- Clips: Unbreakable special realiable steel, zinc-plated and blue chromated (free of chrome VI)





	100

Double-Ear Hose Clips

Hose-o.D./ Range	B	Weight	Type No.
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	ZOSZ

High-Performance Hose Clips
made of Steel W1 (DIN 3017)

- High-performance hose clips made of steel W1, free of chrome VI, zinc-plated and thick layer passivated
- Optimum sealing through high band tension – maximum strip safety
- Hose-protective through rounded edges and smooth band inside
- Thinner screw body with new position, therefore improved torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, sizes 100-180 in plastic bags, from size 190 individually
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Steel W1, zinc-plated and thick layer passivated

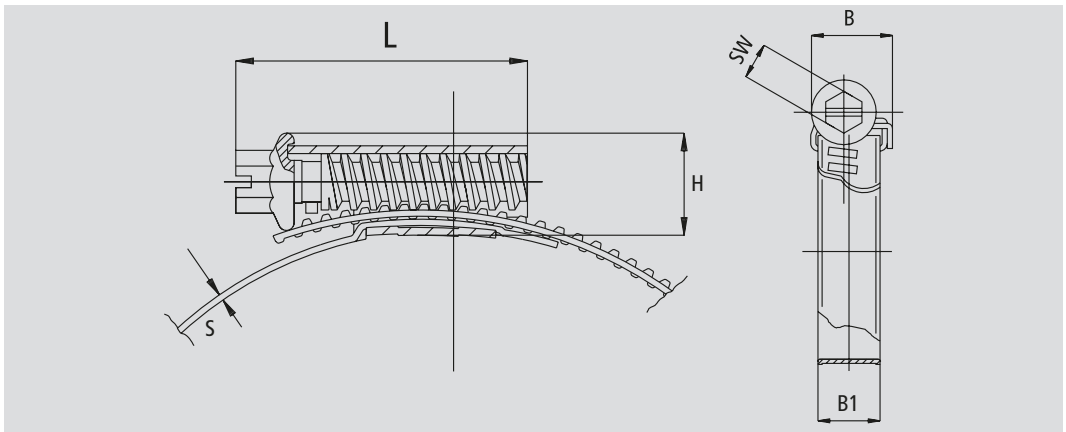
Norm
DIN 3017

High-Performance Hose Clips, band and lock steel W 1, zinc-plated

Range				torque	band width						
								band-thickness			
mm	inch	B	SW	Max.Nm	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	14	7	2-2.5	20.5	11.5	9	0.7	100	12	HS 12
10-16	5/18-5/8	14	7	2-2.5	20.5	11.5	9	0.8	100	13	HS 16
12-22	1/2-3/4	14	7	3-3.5	24	11.5	9	0.8	100	16	HS 20
16-27	5/8-1	16	7	5-5.5	31	13	9	0.8	100	17	HS 25
20-32	3/4-1 1/4	16	7	5-5.5	31	13	12	0.8	50	27	HS 32
25-40	1-1 5/8	16	7	5-5.5	31	13	12	1.0	50	32	HS 40
30-45	1 3/8-1 3/4	16	7	5-5.5	31	13	12	1.0	50	33	HS 45
35-50	1 1/4-2	16	7	5-5.5	31	13	12	1.0	50	35	HS 50
40-60	1 5/8-2 3/8	16	7	5-5.5	31	13	12	1.0	25	39	HS 60
50-70	2-2 3/4	16	7	5-5.5	31	13	12	1.0	25	43	HS 70
60-80	2 3/8-3 1/8	16	7	5-5.5	31	13	12	1.0	25	45	HS 80
70-90	2 3/4-3 1/2	16	7	5-5.5	37	13	12	1.0	25	52	HS 90
80-100	3 1/8-4	16	7	5-5.5	37	13	12	1.0	10	53	HS 100
90-110	3 1/2-4 3/8	16	7	5-5.5	37	13	12	1.0	10	53	HS 110
100-120	4-4 3/4	16	7	5-5.5	37	13	12	1.0	10	58	HS 120
110-130	4 3/8-5 1/8	16	7	5-5.5	37	13	12	1.0	10	60	HS 130
120-140	4 3/4-5 1/2	16	7	5-5.5	37	13	12	1.0	10	63	HS 140
130-150	5 1/8-5 7/8	16	7	5-5.5	37	13	12	1.0	5	69	HS 150
140-160	5 1/2-6 1/4	16	7	5-5.5	37	13	12	1.0	5	71	HS 160
150-170	5 7/8-6 5/8	16	7	5-5.5	37	13	12	1.0	5	74	HS 170
160-180	6 1/4-7	16	7	5-5.5	37	13	12	1.0	5	77	HS 180
170-190	6 1/2-7 1/2	16	7	5-5.5	37	13	12	1.0	1	79	HS 190
180-200	7 1/8-8	16	7	5-5.5	37	13	12	1.0	1	81	HS 200
190-210	7 1/2-8 1/4	16	7	5-5.5	37	13	12	1.0	1	86	HS 210
200-220	8-8 3/4	16	7	5-5.5	37	13	12	1.0	1	92	HS 220
210-230	8 1/8-9	16	7	5-5.5	37	13	12	1.0	1	98	HS 230
220-240	8 3/4-9 3/8	16	7	5-5.5	37	13	12	1.0	1	101	HS 240
230-250	9-9 3/4	16	7	5-5.5	37	13	12	1.0	1	105	HS 250
240-260	9 3/8-10 1/4	16	7	5-5.5	37	13	12	1.0	1	108	HS 260
250-270	9 3/4-10 1/2	16	7	5-5.5	37	13	12	1.0	1	112	HS 270
260-280	10 1/4-11	16	7	5-5.5	37	13	12	1.0	1	116	HS 280







High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High performance hose clips made of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new position, therefore improved torque
- Material and clip range stamped at inner band side
- Hexagon screw with slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Stainless steel W5
- Special Screw Driver: Chromed steel/ plastic







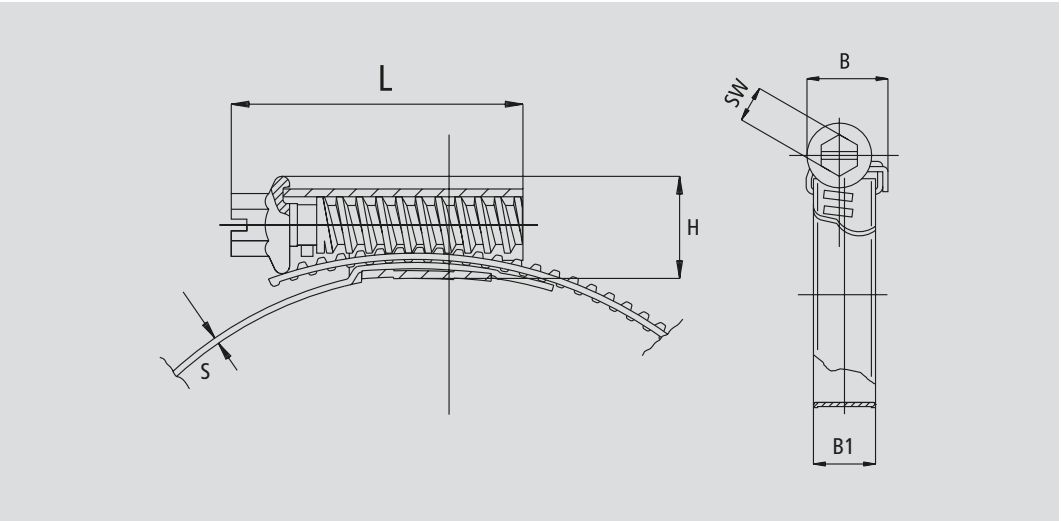
Norm
DIN 3017

High-Performance Hose Clips, band and lock stainless steel W 5

Range				torque			Band-width band-thickness				
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100

Special hexagon screw driver of chromed steel with plastic handle

Version	SW		Weight	Type No.
Rigid	7	1	89	SR STARR
Flexible	7	1	134	SR FLEX.



NEW!

Heavy Duty Clamps
made of Steel (DIN 3017)

- Heavy duty clamp made of stainless steel 1.4016
- New special screw with integrated distance tube and better performance
- Reinforced band strap and therefore higher torques (very high breaking torque and very high clamping force)
- Mechanical mounting, therefore no welding points and corrosion contact
- Bridge for sustainable hose relief
- Robust band with rounded edges prevents injuries and hose break
- Simple installation (with manual, pneumatic or electrical standard tools)
- Packed in boxes
- For applications with strict requirements for the hose clamps (for the application of suction and compressed air hoses with high degree of hardness or with plastic / steel core)

Materials
- Band: Stainless steel 1.4016
- Body, Screws: Steel zinc-plated (free of chrome VI)

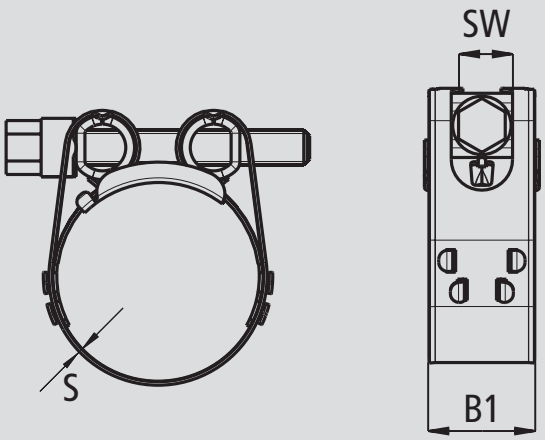
Norm
DIN 3017

Heavy Duty Clamps

⌐ Range ¬			torque	Band width	Band thickness			
mm	inch	SW	Max. Nm.	B1	S		Weight	Type No.
17-19	11/16-3/4	8	8	18	0.6	100	52	GBSM 19
19-21	3/4-13/16	8	8	18	0.6	100	52	GBSM 21
21-23	13/16-15/16	8	8	18	0.6	100	52	GBSM 23
23-25	15/16-1	8	8	18	0.6	100	52	GBSM 25
25-27	1-1 1/16	8	8	18	0.6	50	52	GBSM 27
27-29	1 1/16-1 1/8	8	8	18	0.6	50	52	GBSM 29
29-31	1 1/8-1 1/4	8	8	18	0.6	50	85	GBSM 31
31-34	1 1/4-1 5/16	8	8	18	0.6	50	85	GBSM 34
34-37	1 5/16-1 7/16	8	8	18	0.6	50	85	GBSM 37
37-40	1 7/16-1 9/16	8	8	18	0.6	50	85	GBSM 40
40-43	1 9/16-1 11/16	8	8	18	0.6	50	85	GBSM 43
43-47	1 11/16-1 7/8	10	10	20	0.8	25	85	GBSM 47
47-51	1 7/8-2	10	10	20	0.8	25	85	GBSM 51
51-55	2-2 3/16	10	10	20	0.8	25	115	GBSM 55
55-59	2 3/16-2 5/16	10	10	20	0.8	25	115	GBSM 59
59-63	2 5/16-2 1/2	10	10	20	0.8	25	115	GBSM 63
63-68	2 1/2-2 11/16	10	10	20	0.8	10	115	GBSM 68
68-73	2 11/16-2 7/8	13	20	25	1.0	10	153	GBSM 73
73-79	2 7/8-3 1/8	13	20	25	1.0	10	153	GBSM 79







Ferrules for Low Pressure Hose Lines

- Ferrules of redhotted steel, zinc-plated and yellow passivated
- Easy, fast and absolutely safe hose crimping with **LÜDECKE** hand-operated assembly machine SPR 333 up to type LPH-23
- No risk of injury, closed and unremovable connection
- For crimping of various hoses and fittings for use with various media

Materials
- Body: redhottet steel, zinc-plated and yellow passivated



Max. Working Pressure									
PN 16 bar									
	for hose								
D	DIN 20018	Water	PVC	L	D1	Assembly-M.	Weight		Type No.
12.5				17	8.5	SPR 333	3	100	LPH-12,5
13.5			6x3	20	9.3	SPR 333	5	100	LPH-13,5
14.5	6x3.5			17	10	SPR 333	5	100	LPH-14,5
16			8x3	17	11.5	SPR 333	5	100	LPH-16
18	9x3.5		10x3	20	13.5	SPR 333	7	100	LPH-18
19			12x3	20	13.9	SPR 333	9	100	LPH-19
19.5				26	14.5	SPR 333	10	100	LPH-19,5
21				26	14.5	SPR 333	12	100	LPH-21
22				32	17	SPR 333	16	100	LPH-22
23		13x3		32	17	SPR 333	18	100	LPH-23
25	13x5			32	17		19	100	LPH-25
28	15x6			32	20.5		22	100	LPH-28
30.5		19x4		33	24.3		24	100	LPH-30
33	19x6			35	24.8		40	100	LPH-33
38		25x4.5		35	28		47	25	LPH-38
41	25x7			40	30		64	25	LPH-41

For higher Working Pressure we recommend hydraulic crimping with turned steel-ferrules type PH (page 191) or on request.

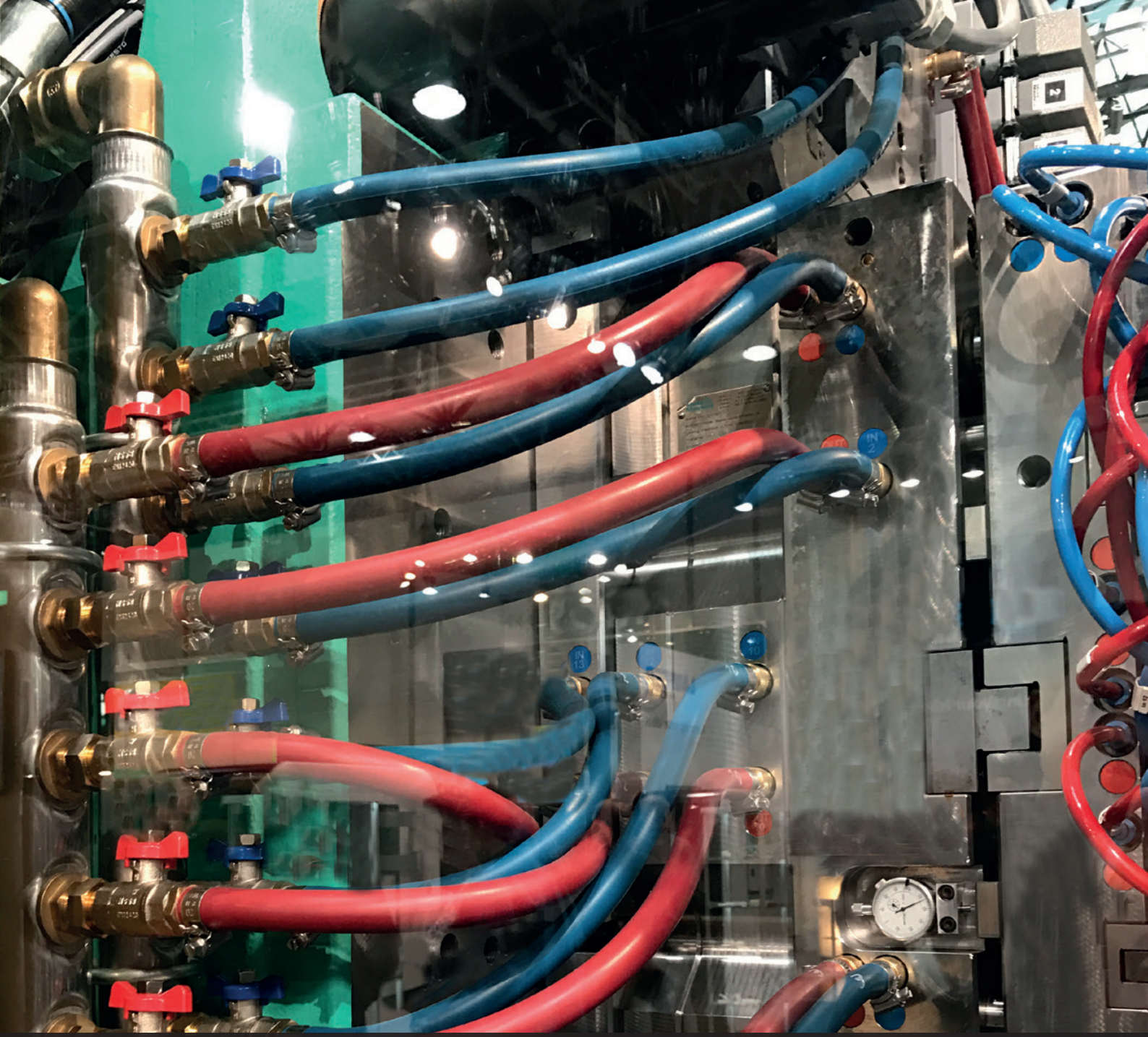
Hand-operated Assembly Machine

for low pressure ferrules

- Crimping machine for easy and safe assembly of low-pressure hoses from 3 to 20 mm Hose i.D.
- Clean: Exact assembling of fitting, hose and ferrule through centric crimping of the ferrule
- Inexpensive: Fast assembling at reasonable costs
- Safe: Improved safety through perfect fit
- Elegant: Reduced danger of injury
- With two crimping-jaw sets for crimping range from 3 to 20 mm and from 10 to 20 mm.
- Flexible: For mobile use



For hoses						
	Hose o.D./					
Hose i.D.	Range	suitable ferrule	e.g. for fitting		Weight	Type No.
3-20	10-22	LPH 12.5-23	Pneumatic-Connect., ES-Couplings	1	12.2	**SPR-333**



Temperature Regulation





MADE IN GERMANY
EFFICIENCY by LÜDECKE
TEMPERATURE REGULATION

Quick Connect Couplings European Plug Profiles



Quick Connect Couplings International Plug Profiles



Quick Connect Couplings System STÄUBLI RPL



SoftFlow Material Conveying Quick Connect Couplings



Manifolds and Colour Coding



Screwings and Components



Hose Clips and Ferrules



Temp Tec by LÜDECKE

Temp Secure by LÜDECKE

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One-hand Operation (O-ring-sealing)
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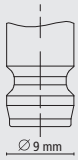
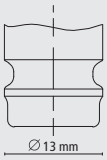
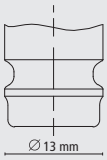
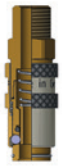
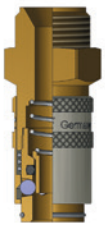
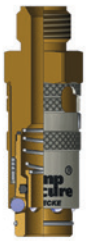


Hose Clips and Ferrules

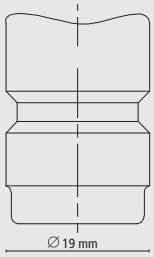
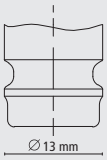
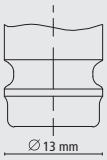
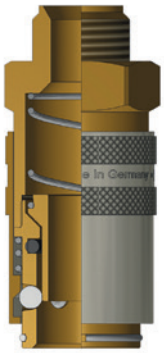
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Overview of the Quick Connect Couplings with

Series	ESHMC DN 2.7	ESHM DN 6	ESHMT DN 6	ESH DN 9	ESHT DN 9
Plug profile (original size)					
					
					
Materials:					
Body:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Sleeve*:	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	hrsb (plain/nickel-plated)	Brass MS 58 (plain/ nickel-pl.)	hrsb (plain/nickel-plated)
Valve Body:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Valve:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Springs, Retaining Ring:	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310
Balls:	Stainless Steel 1.3541	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034
Seals:	FKM (PTFE-coated)	FKM (PTFE-coated)	Special-Hitec-FKM-O-Ring	FKM (PTFE-coated)	Special-Hitec-FKM-O-Ring
Special seals for other media on request:	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM
Plug:	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)	Brass MS 58 (plain/n-pl.)
Max. Working Pressure:	PN 15 bar	PN 15 bar	PN 15 bar	PN 15 bar	PN 15 bar
Temperature:	-20°C– +200°C**	-20°C– +200°C**	-20°C– +200°C***	-20°C– +200°C**	-20°C– +200°C***
Thread Types:	DIN 13	ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13
Flow rate:	see chart p. 143	see chart p. 143	see chart p. 143	see chart p. 143	see chart p. 143
Connection:	straight/45°/90°	straight/45°/90°	straight/45°/90°	straight/45°/90°	straight/45°/90°
Type of Valve:	single/double/straight-through	single/double/straight-through	single/double/straight-through	single/double/straight-through	single/double/straight-through
Operation:	One-Hand	One-Hand	One-Hand	One-Hand	One-Hand
Page:	96	98	105	103	107

European Plug Profiles

ESHG	ESHME	ESHMTE	ESHE	ESHTE
DN 13	DN 6	DN 6	DN 9	DN 9
				
				
				
Brass MS 58 plain Brass MS 58 (plain/n-pl.) Brass MS 58 plain Brass MS 58 plain	Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305	Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305	Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305	Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305 Stainless Steel 1.4305
Stainless Steel 1.4310 Stainless Steel 1.4034	Stainless Steel 1.4310 Stainless Steel 1.4034	Stainless Steel 1.4310 Stainless Steel 1.4034	Stainless Steel 1.4310 Stainless Steel 1.4034	Stainless Steel 1.4310 Stainless Steel 1.4034
FKM (PTFE-coated)	FKM (PTFE-coated)	Special-Hitec-FKM-O-ring	FKM (PTFE-coated)	Special-Hitec-FKM-O-ring
EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM
Brass MS 58 (plain/n-pl.)	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
PN 15 bar	PN 15 bar	PN 15 bar	PN 15 bar	PN 15 bar
-20°C– +200°C**	-20°C– +200°C**	-20°C– +200°C**	-20°C– +200°C**	-20°C– +200°C**
ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13
see chart p. 143	see chart p. 143	see chart p. 143	see chart p. 143	see chart p. 143
straight/45°/90°	straight/45°/90°	straight/45°/90°	straight/45°/90°	straight/45°/90°
single/double/straight-through	single/double/straight-through	single/double/straight-through	single/double/straight-through	single/double/straight-through
One-Hand	One-Hand	One-Hand	One-Hand	One-Hand
108	112	114	115	117

*coupling with valve: Brass plain, coupling without valve: Brass nickel-plated

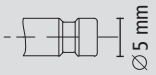
**subject to media (oil: 200°C, water: 150°C, air: 200°C)

***subject to media (oil: 200°C, water: 160°C, air: 200°C)

hrsb: high resistant special brass material

Temperature Regulation Quick Connect Couplings
Series ESHMC plug size 5 mm

DN 2.7



Plug Profile (original size)

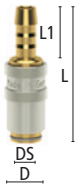
- For temperature regulation applications with hot or cold water as well as tempered oil
- The series DN 2.7 is especially suitable for the connection of temperature regulation controlled lines on moulds in the plastics manufacturing industry for the production of micro-parts with very small tools
- Optional with straight-through, single or double shut-off
- Extended sleeves for problem-free connection of plugs counter-sunk in the mould, angled connections avoid the kinking of thin-walled hoses

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/nickel-plated
- Balls: Stainless steel 1.3541
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	2.7	DIN 13, DIN 158	One-hand	single/double/straight-thr.	Tempered Media	Coupl. 5 / Plug 10

European Plug Profile





Couplings with straight standard hose stem without / with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No.w/o valve	Type No. w valve
Hose i.D. 5	35	10	13.5	5	3.5	10	ESHMC 5 TL	ESHMC 5 TLAB

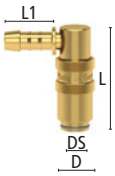




Couplings with 45° standard hose stem without / with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No.w/o valve	Type No.w valve
Hose i.D. 5	41	10	13.5	5	3.5	8	ESHMC 5 TL-45	ESHMC 5 TL-45AB

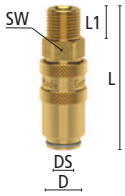




Couplings with 90° standard hose stem without / with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No.w/o valve	Type No. w valve
Hose i.D. 5	41	10	13.5	5	3.5	8	ESHMC 5 TL-90	ESHMC 5 TL-90AB





Couplings with straight male thread without / with valve

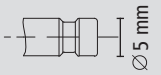
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No.w/o valve	Type No. w valve
M 5x0.5 m	31	9	10	5	5	3.5	9	ESHMC 505 A	ESHMC 505 AAB
M 8x0.75 m	33	9	10	7	5	3.5	10	ESHMC 875 A	ESHMC 875 AAB

Suitable hose clips for hose couplings, double-ear hose clips or crimping ferrules for standard hoses (page 314 - 317)

Temperature Regulation Quick Connect Couplings

plug size 5 mm Series ESHMC

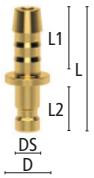
DN 2.7



Plug Profile (original size)

Plugs with straight standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 5	25	9	13.5	10	5	2.7	3	ESHMC 5 SL



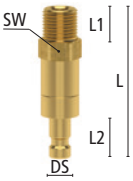
Plugs with straight male thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	18	7	5	10	5	2.7	3	ESHMC 505 NA
M 8x0.75 m	20	9	7	10	5	2.7	4	ESHMC 875 NA



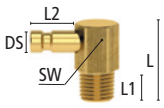
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	28	9	5	10	5	2.7	7	ESHMC 505 NAAB
M 8x0.75 m	30	9	7	10	5	2.7	7	ESHMC 875 NAAB



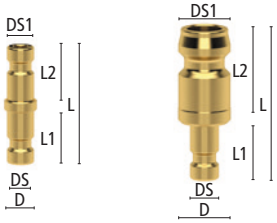
Plugs with 90° male thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	15.5	9	5	10	5	2.7	9	ESHMC 505 NA-90
M 8x0.75 m	17.5	9	5	10	5	2.7	11	ESHMC 875 NA-90



System Adapters

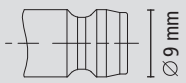
Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 2.7 - DN 2.7	22	6	10	10	5	5	2.7	3	ESHMC-ESHMC
DN 2.7 - DN 6	26.5	9	10	14	5	9	2.7	9	ESHMC-ESHM



Temperature Regulation Quick Connect Couplings
Series ESHM plug size 9 mm

DN 6

- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses
- All couplings available with disconnect-protection with surcharge. Just add „S" on Type No.



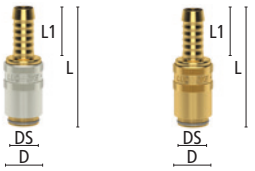
Plug Profile (original size)

Materials
- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Seals: FKM (PTFE-coated)

European Plug Profile

Also in Stainless Steel Series ESHME page 232

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO228/ DIN13/ DIN158	One-hand	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10



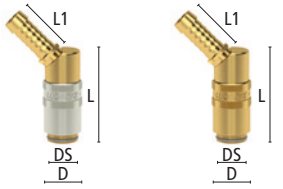
Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	53	17	22.5	9	5	40	ESHM 6 TL	ESHM 6 TLAB
Hose i.D. 9	53	17	22.5	9	6	45		ESHM 9 TLAB
Hose i.D. 9	53	17	22.5	9	6	45	ESHM 9 TL	
Hose i.D. 13	55	17	25	9	6	54	ESHM 13 TL	ESHM 13 TLAB

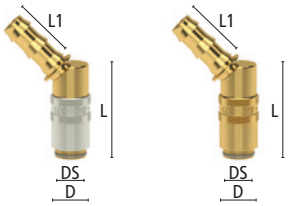
Couplings with straight quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	58.5	17	28	9	5	42	ESHM 6 T	ESHM 6 TAB
Hose i.D. 10	58.5	17	28	9	6	49	ESHM 10 T	ESHM 10 TAB



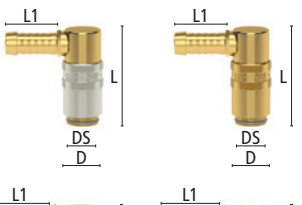
Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	42.5	17	25.5	9	5	58	ESHM 6 TL-45	ESHM 6 TL-45AB
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHM 9 TL-45	ESHM 9 TL-45AB



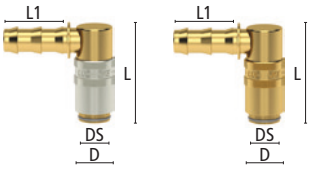
Couplings with 45° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	42.5	17	33	9	5	59	ESHM 6 T-45	ESHM 6 T-45AB
Hose i.D. 10	42.5	17	33	9	6	68	ESHM 10 T-45	ESHM 10 T-45AB



Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	42.5	17	25.5	9	5	58	ESHM 6 TL-90	ESHM 6 TL-90AB
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHM 9 TL-90	ESHM 9 TL-90AB



Couplings with 90° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	42.5	17	33	9	5	59	ESHM 6 T-90	ESHM 6 T-90AB
Hose i.D. 10	42.5	17	33	9	6	68	ESHM 10 T-90	ESHM 10 T-90AB



Marking rings for easy and clear identification of quick-fit hose lines

Version	D	Colour		Weight	Type No.
For Hose i.D. 6	14	blue	50	0.3	AR-BL 6
For Hose i.D. 6	14	red	50	0.3	AR-RO 6
For Hose i.D. 6	14	yellow	50	0.3	AR-GE 6
For Hose i.D. 10	17	blue	50	0.5	AR-BL 10
For Hose i.D. 10	17	red	50	0.5	AR-RO 10
For Hose i.D. 10	17	yellow	50	0.5	AR-GE 10

Simply put on coupling or plug stem before assembling the quick-fit hose

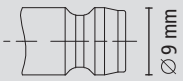
Suitable hose clips, double-ear hose clips or crimping ferrules for standard hoses – (page 314 - 317)

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Temperature Regulation Quick Connect Couplings

plug size 9 mm Series ESHM

DN 6

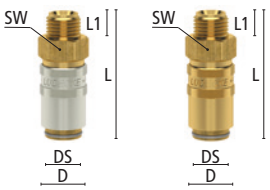


Plug Profile (original size)

Couplings with thread connection

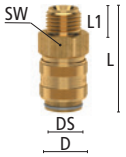
Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	48	17	17	9	9	6	60	ESHM 14 A	ESHM 14 AAB
G 3/8 m	48	19	17	9	9	6	70	ESHM 38 A	ESHM 38 AAB
M 10x1 m	46	17	17	7	9	6	60	ESHM 101 A	ESHM 101 AAB
M 14x1.5 m	48	17	17	9	9	6	60	ESHM 1415 A	ESHM 1415 AAB
M 16x1.5 m	48	19	17	9	9	6	70	ESHM 1615 A	ESHM 1615 AAB
G 1/4 m	52	17	17	11	9	6	65	ESHM 14 AL*	ESHM 14 ALAB
G 3/8 m	52	19	17	11	9	6	75	ESHM 38 AL*	ESHM 38 ALAB
M 14x1.5 m	52	17	17	11	9	6	65	ESHM 1415 AL*	ESHM 1415 ALAB



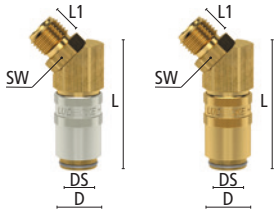
Couplings with straight male thread (short version) with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No.
G 1/4 m	38	17	17	9	9	6	45	ESHM 14 AKAB



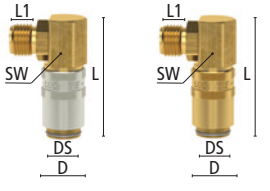
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	17	17	9	9	6	65	ESHM 14 A-45	ESHM 14 A-45AB
G 3/8 m	47	19	17	10	9	6	75	ESHM 38 A-45	ESHM 38 A-45AB
M 10x1 m	47	17	17	7	9	6	65	ESHM 101 A-45	ESHM 101 A-45AB
M 14x1.5 m	47	17	17	9	9	6	65	ESHM 1415 A-45	ESHM 1415 A-45AB
M 16x1.5 m	47	19	17	9	9	6	75	ESHM 1615 A-45	ESHM 1615 A-45AB
G 3/8 m	47	19	17	11	9	6	80	ESHM 38 AL-45*	ESHM 38 AL-45AB*



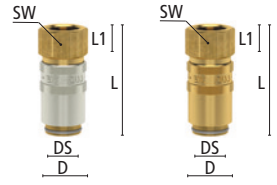
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	17	17	9	9	6	75	ESHM 14 A-90	ESHM 14 A-90AB
G 3/8 m	47	19	17	9	9	6	85	ESHM 38 A-90	ESHM 38 A-90AB
M 10x1 m	47	17	17	7	9	6	75	ESHM 101 A-90	ESHM 101 A-90AB
M 14x1.5 m	47	17	17	9	9	6	75	ESHM 1415 A-90	ESHM 1415 A-90AB
M 16x1.5 m	47	19	17	9	9	6	85	ESHM 1615 A-90	ESHM 1615 A-90AB
G 3/8 m	47	19	17	11	9	6	90	ESHM 38 AL-90*	ESHM 38 AL-90AB*



Couplings with straight female thread without/with valve

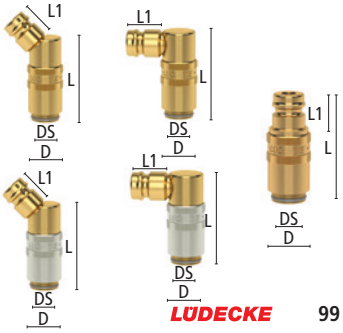
Thread connection	L	SW	D	L1	D1	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	41.5	17	17	9	9	6	50	ESHM 14 I	ESHM 14 IAB
G 3/8 f	42	21	17	9	9	6	60	ESHM 38 I	ESHM 38 IAB
M 10x1 f	41.5	17	17	9	9	6	50	ESHM 101 I	ESHM 101 IAB
M 14x1.5 f	41.5	17	17	9	9	6	50	ESHM 1415 I	ESHM 1415 IAB



Couplings with plug DN 9 - ESH System Adapters and ESHM-ESD System Adapter

Connection	L	D	L1	DS	Passage	System	Weight	Type No. w/o valve	Type No. w valve
DN 6 - DN 9	52	17	14	9	6	straight	75	ESHMK-ESHS	ESHMK-ESHS-AB
DN 6 - DN 9	49	17	14	9	6	45°	80	ESHMK-ESHS-45	ESHMK-ESHS-45AB
DN 6 - DN 9	47	17	14	9	6	90°	80	ESHMK-ESHS-90	ESHMK-ESHS-90AB
DN 6 - DN 6	52	17	10.5	9	6	straight	70	ESHMK-ESDMS	ESHMK-ESDMS-AB
DN 6 - DN 9	52	17	15.5	9	6	straight	75	ESHMK-ESDS	ESHMK-ESDS-AB

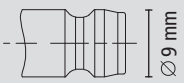
*Version AL with longer male thread mainly used for assembly with Ermeto-screwings.



Temperature Regulation Quick Connect Couplings

Series ESHM plug size 9 mm

DN 6



Plug Profile (original size)



Diversion coupling for temperature regulation bridges with 90° tube connection without/ with valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 8/6	43	17	9	6	63	ESHM 8-U	ESHM 8-UAB



Tube (chamfered) for diversion couplings (temperature regulation tube), hardened brass

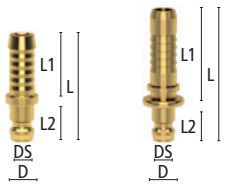
Connection	L	D	Passage	Weight	Type No.
Tube 8/6	250	8	6	45	TR 250-8
Tube 8/6	500	8	6	93	TR 500-8



Plain End Coupling

Connection	L	D	DS	Weight	Type No.
closed	30	17	9	37	ESHM-B

Plugs



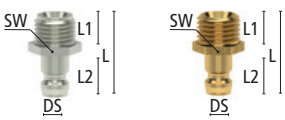
Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	39.5	12	22.5	14	9	5	9	ESHM 6 SL
Hose i.D. 9	39.5	12	22.5	14	9	6	13	ESHM 9 SL
Hose i.D. 9	51.5	12	34.5	14	9	6	21	ESHM 9 SP**
Hose i.D. 13	39.5	16	22.5	14	9	6	17	ESHM 13 SL



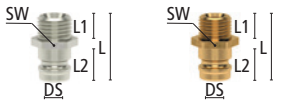
Plugs with quick-fit hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	44	12	28	14	9	5	11	ESHM 6 S
Hose i.D. 10	44	16	28	14	9	6	18	ESHM 10 S



Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	24	11	7	14	9	6	10	ESHM 18 NA*
G 1/4 m	26	15	9	14	9	6	14	ESHM 14 NA*
G 3/8 m	27	17	9	14	9	6	18	ESHM 38 NA*
M 8x0.75 m	24	11	7	14	9	4.5	9	ESHM 875 NA
M 10x1 m	24	11	7	14	9	6	8	ESHM 101 NA
M 14x1.5 m	26	15	9	14	9	6	14	ESHM 1415 NA
M 16x1.5 m	26	17	9	14	9	6	18	ESHM 1615 NA



Plugs with straight male thread and inner hexagon without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	System	Type No.
G 1/8 m	24	11	7	14	9	6	10	SW5.19mm depth	ESHM 18 NAIB*
G 1/4 m	26	15	9	14	9	6	14	SW5.19mm depth	ESHM 14 NAIB*
M 10x1 m	24	11	7	14	9	6	8	SW5.19mm depth	ESHM 101 NAIB
M 14x1.5 m	26	15	9	14	9	6	14	SW5.19mm depth	ESHM 1415 NAIB

For easy assembly with Allen key countersunk in the tool

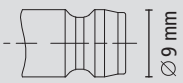
*Plugs with inch thread nickel-plated for simple distinction

**crimping ferrules

Temperature Regulation Quick Connect Couplings

plug size 9 mm Serie ESHM

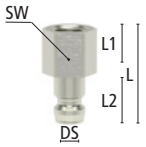
DN 6



Plug Profile (original size)

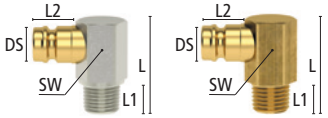
Plugs with straight female thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 f	27	14	9	14	9	6	15	ESHM 18 NI*
G 1/4 f	27	17	9	14	9	6	19	ESHM 14 NI*
G 3/8 f	27	19	10	14	9	6	25	ESHM 38 NI*



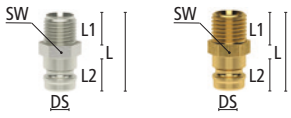
Plugs with 90° male thread without valve (metrical thread DIN 158/conical thread DIN 2999)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/8 m	27	15	9	14	9	6	35	ESHM 18 NA-90*
R 1/4 m	29	15	11	14	9	6	40	ESHM 14 NA-90*
R 3/8 m	30	17	12	14	9	6	44	ESHM 38 NA-90*
M 8x0.75 m	27	15	9	14	9	4.5	38	ESHM 875 NA-90
M 10x1 m	27	15	9	14	9	6	38	ESHM 101 NA-90
M 14x1.5 m	29	15	11	14	9	6	40	ESHM 1415 NA-90



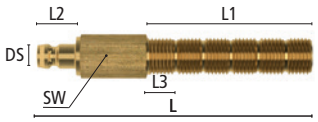
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	36	15	8	14	9	6	13	ESHM 18 NAAB*
G 1/4 m	29	15	12	14	9	6	14	ESHM 14 NAAB*
G 3/8 m	30	17	12	14	9	6	22	ESHM 38 NAAB*
M 14x1.5 m	29	15	12	14	9	6	15	ESHM 1415 NAAB



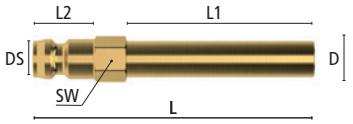
Plugs with straight male long thread without valve (for length cutting as needed)

Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/8 m	100	11	60	14	10	9	6	36	ESHM 18-60 NA
G 1/4 m	100	14	60	14	10	9	6	58	ESHM 14-60 NA
G 3/8 m	100	17	60	14	10	9	6	90	ESHM 38-60 NA
M 10x1 m	100	11	60	14	10	9	6	36	ESHM 101-60 NA
M 14x1.5 m	100	14	60	14	10	9	6	61	ESHM 1415-60 NA



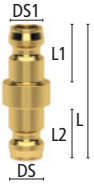
Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	9	42	14	9	5	14	ESHM 63 R
8	100	9	79	14	9	5	20	ESHM 100 R
10	63	11	42	14	9	6	20	ESHM 63 R10
10	100	11	79	14	9	6	58	ESHM 100 R10
10	120	11	99	14	9	6	49	ESHM 120 R
10	240	11	219	14	9	6	103	ESHM 240 R
10	360	11	339	14	9	6	157	ESHM 360 R
14	150	15	127	14	9	6	114	ESHM 150 R–14



System Adapters

Connection	L	L1	L2	DS	DS1	Weight	Type No.
DN 6 - DN 6	34	14	14	9	9	14	ESHM-ESHM
DN 9 - DN 6	34	14	14	13	9	18	ESH-ESHM
Protection cap (plastic) for plug profile ESHM				100			ESHM-K



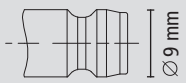
*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

Series ESHMT Plug size 9 mm – High Resistant Special Brass

with Automatic Locking Mechanism

DN 6



Plug Profile (original size)

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off valves
- Versions with additional O-ring sealing at connection port to prevent leakage with high temperature applications

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Seals: Special-Hitec-FKM-O-ring

Temp Secure by LUDECKE

PATENTED

European Plug Profile

Also in Stainless Steel Series ESHME page 234

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C to +200°C*	6	ISO 288/ DIN13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose barb without/ with valve





Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61	18	22.5	9	6	58	ESHMT 9 TL	ESHMT 9 TLAB

Couplings with 45° standard hose stem without/ with valve





Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	54	18	22.5	9	6	82	ESHMT 9 TL45	ESHMT 9 TL45AB

Couplings with 90° standard hose stem without/ with valve





Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	54	18	22.5	9	6	91	ESHMT 9 TL90	ESHMT 9 TL90AB

Couplings with male connection

Couplings with straight male thread without /with valve (inner cone DIN 3863)

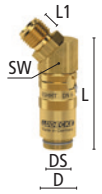




Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	58	17	18	11	9	6	73	ESHMT14AL	ESHMT14ALAB
G 3/8 m	57	19	18	11	9	6	76	ESHMT38AL	ESHMT38ALAB
M 14x1.5 m	58	17	18	11	9	6	76	ESHMT1415AL	ESHMT1415ALAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)





Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	54	17	18	11	9	6	85	ESHMT14AL45	ESHMT14AL45AB
M 14x1.5 m	54	17	18	11	9	6	87	ESHMT1415AL45	ESHMT1415AL45AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)





Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	54	17	18	11	9	6	94	ESHMT14AL90	ESHMT14AL90AB
M 14x1.5 m	54	17	18	11	9	6	96	ESHMT1415AL90	ESHMT1415AL90AB

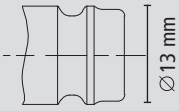
Other types / sizes on request!

Temperature Regulation Quick Connect Couplings

Plug size 13 mm Series ESH

DN 9

- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses
- All couplings available with disconnect-protection with surcharge: Just add „S“ on Type No.



Plug Profile (original size)

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10

European Plug Profile

Also in Stainless Steel Series ESHME page 235

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61.5	22	25	13	7	72	ESH 9 TL	ESH 9 TLAB
Hose i.D. 13	61.5	22	25	13	9	81		ESH 13 TLAB
Hose i.D. 13	61.5	22	25	13	9	81	ESH 13 TL	





Coupling with straight quick-fit hose stem without/ with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	64.5	22	28	13	7	76	ESH 10 T	ESH 10 TAB
Hose i.D. 13	64.5	22	28	13	9	84	ESH 13 T	ESH 13 TAB





Couplings with 45° standard hose stem without/ with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13	7	103	ESH 9 TL-45	ESH 9 TL-45AB
Hose i.D. 13	51	22	30	13	9	109	ESH 13 TL-45	ESH 13 TL-45AB





Coupling with 45° quick-fit hose stem without/ with valve

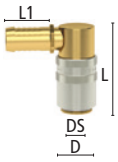
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	51	22	33	13	7	108	ESH 10 T-45	ESH 10 T-45AB
Hose i.D. 13	51	22	33	13	9	111	ESH 13 T-45	ESH 13 T-45AB

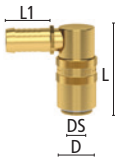




Couplings with 90° standard hose stem without/with valve

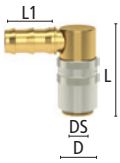
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13	7	105	ESH 9 TL-90	ESH 9 TL-90AB
Hose i.D. 13	51	22	30	13	9	111	ESH 13 TL-90	ESH 13 TL-90AB

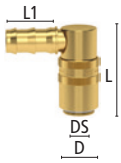




Couplings with 90° quick-fit hose stem without/with valve

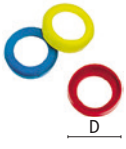
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	51	22	33	13	7	110	ESH 10 T-90	ESH 10 T-90AB
Hose i.D. 13	51	22	33	13	9	113	ESH 13 T-90	ESH 13 T-90AB





Marking rings for easy and clear identification of quick-fit hose lines

Version	D	Colour		Weight	Type No.
For Hose i.D. 10	17	blue	50	0.5	AR-BL 10
For Hose i.D. 10	17	red	50	0.5	AR-RO 10
For Hose i.D. 10	17	yellow	50	0.5	AR-GE 10
For Hose i.D. 13	20	blue	50	0.7	AR-BL 13
For Hose i.D. 13	20	red	50	0.7	AR-RO 13
For Hose i.D. 13	20	yellow	50	0.7	AR-GE 13



Simply put on coupling or plug stem before assembling the quick-fit hose

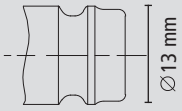
Suitable hose clips, double-ear hose clips or crimping ferrules for standard hoses (page 314 - 317)

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Temperature Regulation Quick Connect Couplings

Series ESH plug size 13 mm

DN 9



Plug profile (original size)

Couplings with thread connection

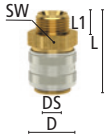
Couplings with straight male thread without/with valve (inner cone DIN 3863)

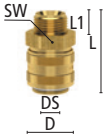




Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	22	22	9	13	9	90	ESH 14 A	ESH 14 AAB
M 14x1.5 m	56	22	22	11	13	9	90	ESH 1415 A	ESH 1415 AAB
G 3/8 m	52	22	22	9	13	9	94	ESH 38 A	ESH 38 AAB
M 16x1.5 m	52	22	22	9	13	9	93	ESH 1615 A	ESH 1615 AAB
G 1/2 m	53	24	22	10	13	9	95	ESH 12 A	ESH 12 AAB
G 3/8 m	56	22	22	11	13	9	105	ESH 38 AL*	ESH 38 ALAB*
G 1/2 m	57	24	22	14	13	9	110	ESH 12 AL*	ESH 12 ALAB*
M 16x1.5 m	56	22	22	13	13	9	105	ESH 1615 AL*	ESH 1615 ALAB*
NEW! M 18x1.5 m	54	22	22	11	13	9	105	ESH 1815 A	ESH 1815 AAB

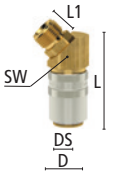
Couplings with straight male thread (short version) with valve

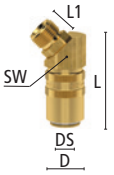




Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	38	22	22	9	13	9	61	ESH 38 AK	ESH 38 AKAB

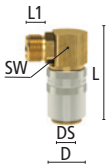
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

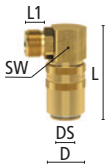




Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
M 14x1.5 m	56	22	22	11	13	9	114	ESH 1415 A-45	ESH 1415 A-45AB
G 3/8 m	54	22	22	9	13	9	114	ESH 38 A-45	ESH 38 A-45AB
M 16x1.5 m	54	22	22	9	13	9	114	ESH 1615 A-45	ESH 1615 A-45AB
G 3/8 m	58	22	22	11	13	9	125	ESH 38 AL-45*	ESH 38 AL-45AB*

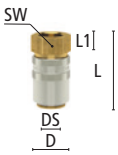
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

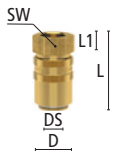




Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
M 14x1.5 m	56	22	22	11	13	8	126	ESH 1415 A-90	ESH 1415 A-90AB
G 3/8 m	54	22	22	9	13	9	126	ESH 38 A-90	ESH 38 A-90AB
M 16x1.5 m	54	22	22	9	13	9	126	ESH 1615 A-90	ESH 1615 A-90AB
G 3/8 m	58	22	22	11	13	9	125	ESH 38 AL-90*	ESH 38 AL-90AB*

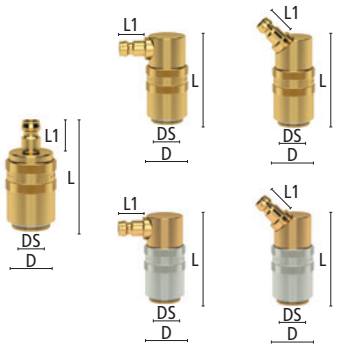
Couplings with straight female thread without/with valve





Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13	9	75	ESH 14 I	ESH 14 IAB
G 3/8 f	46	22	22	9	13	9	110	ESH 38 I	ESH 38 IAB
G 1/2 f	49	24	22	12	13	9	110	ESH 12 I	ESH 12 IAB

Couplings with Plugs DN 6 - ESHM - System Adaptor and ESH-ESD System Adaptor



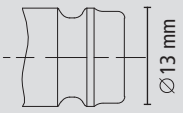
Connection	L	D	L1	DS	Passage	Version	Weight	Type No. w/o valve	Type No. w valve
DN 9 - DN 6	51	22	14	13	6	straight	100	ESHK-ESHMS	ESHK-ESHMS-AB
DN 9 - DN 6	51	22	14	13	6	45°	100	ESHK-ESHMS-45	ESHK-ESHMS-45AB
DN 9 - DN 6	51	22	14	13	6	90°	100	ESHK-ESHMS-90	ESHK-ESHMS-90AB
DN 9 - DN 6	51	22	10.5	13	6	straight	85	ESHK-ESDMS	ESHK-ESDMS-AB
DN 9 - DN 9	51	22	15.5	13	9	straight	100	ESHK-ESDS	ESHK-ESDS-AB

*Version AL with longer male thread mainly used for assembly with Ermeto-screwings

Temperature Regulation Quick Connect Couplings

plug size 13 mm Series ESH

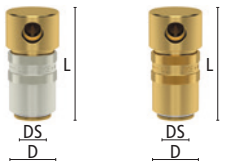
DN 9



Plug Profile (original size)

Diversion coupling for temperature regulation bridges with 90° tube connection without/ with valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 10/8	53	22	13	9	118	ESH 10-U	ESH 10-UAB



Tube (chamfered) for diversion couplings (temperature regulation tube), hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 10/8	250	10	8	60	TR 250-10
Tube 10/8	500	10	8	120	TR 500-10



Plain End Coupling

Connection	L	D	DS	Weight	Type No.
closed	37	22	13	67	ESH-B



Plugs

Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 9	39.5	14.5	22.5	14	13	7	23	ESH 9 SL
Hose i.D. 13	39.5	16	25	14	13	9	25	ESH 13 SL
Hose i.D. 13	53	20.5	36	14	13	9	29	ESH 13 SP**



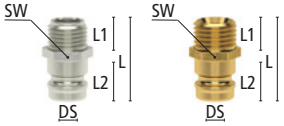
Plugs wih quick-fit hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 10	43.5	14.5	28	14	13	7	24	ESH 10 S
Hose i.D. 13	43.5	16	28	14	13	9	26	ESH 13 S



Plugs with straight male thread without valve (inner cone DIN 3863)

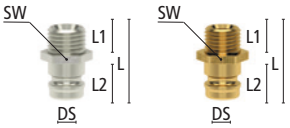
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	24	15	7	14	13	6	16	ESH 18 NA*
G 1/4 m	26	15	9	14	13	9	17	ESH 14 NA*
G 3/8 m	26	17	9	14	13	9	22	ESH 38 NA*
G 1/2 m	31	22	12	14	13	9	42	ESH 12 NA*
G 3/4 m	35	27	16	14	13	9	110	ESH 34 NA*
M 10x1 m	24	15	7	14	13	6.5	14	ESH 101 NA
M 14x1.5 m	26	15	9	14	13	9	16	ESH 1415 NA
M 16x1.5 m	26	17	9	14	13	9	20	ESH 1615 NA
NEW! M 18x1.5 m	26	19	9	14	13	9	25	ESH 1815 NA



Plugs with straight male thread with inner Hexagon without valve

Thread	L	SW	L1	L2	DS	Passage	Weight	Version	Type No.
G 1/4 m	26	15	9	14	13	9	17	SW8.17mm depth	ESH 14 NAIB*
M 14x1.5 m	26	15	9	14	13	9	16	SW8.17mm depth	ESH 1415 NAIB

For easy assembly with key countersunk in the tool



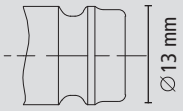
*Plugs with inch thread nickel-plated for simple distinction

**ferrule crimping

Temperature Regulation Quick Connect Couplings

Series ESH plug size 13 mm

DN 9



Plug Profile (original size)



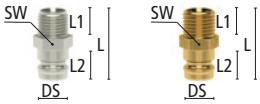
Plugs with straight female thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 3/8 f	33	19	10	14	13	9	42	ESH 38 NI*
G 1/2 f	35	19	10	14	13	9	55	ESH 12 NI*



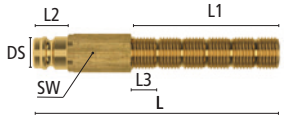
Plugs with 90° male thread without valve (metrical thread DIN 158/ conical thread DIN 2999)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/4 m	34	17	11	25	13	9	45	ESH 14 NA-90*
M 14x1.5 m	34	17	11	25	13	9	47	ESH 1415 NA-90
R 3/8 m	35	17	12	25	13	9	45	ESH 38 NA-90*



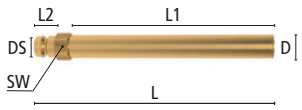
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	11	14	13	6	24	ESH 14 NAAB*
G 3/8 m	31	17	12	14	13	9	28	ESH 38 NAAB*
G 1/2 m	31	22	12	14	13	9	48	ESH 12 NAAB*
M 14x1.5 m	30	15	11	14	13	6	26	ESH 1415 NAAB
M 16x1.5 m	31	17	12	14	13	9	28	ESH 1615 NAAB
NEW! M 18x1.5 m	30	19	12	14	13	9	30	ESH 1815 NAAB



Plugs with straight male long thread without valve (for length cutting as needed)

Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/4 m	100	14	60	14	10	13	9	60	ESH 14-60 NA
G 1/4 m	57	15	34	14	16	13	9	38	ESH 14 NAL18
G 1/4 m	110	15	87	14	16	13	9	75	ESH 14 NAL71
G 3/8 m	100	17	60	14	10	13	9	91	ESH 38-60 NA
M 14x1.5 m	100	14	60	14	10	13	9	55	ESH 1415-60 NA
M 16x1.5 m	100	17	60	14	10	13	9	93	ESH 1615-60 NA



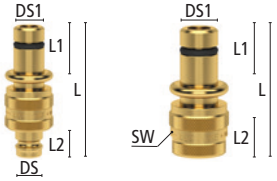
Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	14	13	9	114	ESH 150 R
14	300	15	277	14	13	9	210	ESH 300 R
10	150	11	127	14	13	6	65	ESH 150 R–10



Plug System - Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 9-DN 6	34	14	14	14	9	13	6	18	ESH-ESHM
DN 9-DN 9	34	14	14	14	13	13	9	24	ESH-ESH



Plugs with counterpart system "ARBURG" – System Adapters

System	Thread	L	SW	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 5 ESH-Arburg	-	64	-	22	14	13	14.8	9	77	ESH-ARB
Arburg	G 1/4 f	50	21	22	14	-	14.8	9	85	ARB 14 NI
Arburg	G 3/8 f	50	21	22	14	-	14.8	9	84	ARB 38 NI

Protection cap (plastic) for plug profile ESH	100	ESH-K

*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

plug size 13 mm – High Resistant Special Brass Series ESHT

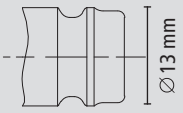
with Automatic Locking Mechanism

DN 9

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring



Plug Profile (original size)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Temp Secure by LÜDECKE — PATENTED PATENTED

European Plug Profile

Also in Stainless Steel Series ESHTE page 237

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	63	23.5	25	13	9	81	ESHT 13 TL	ESHT 13 TLAB





Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55	22	23.5	25	13	9	138	ESHT 13 TL45	ESHT 13 TL45AB

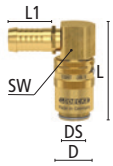




Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	D	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55	22	23.5	25	13	9	140	ESHT 13 TL90	ESHT 13 TL90AB

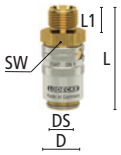




Couplings with male threads

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55	22	23.5	12.5	13	9	94	ESHT38AL	ESHT38ALAB
M 16x1.5 m	55	22	23.5	12.5	13	9	93	ESHT1615AL	ESHT1615ALAB





Couplings with 45° male thread without/with valve (inner cone DIN 3863)

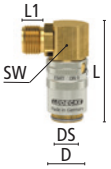
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55	22	23.5	12.5	13	9	134	ESHT38AL45	ESHT38AL45AB
M 16x1.5 m	55	22	23.5	12	13	9	132	ESHT1615AL45	ESHT1615AL45AB

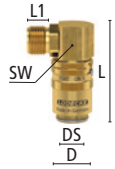




Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55	22	23.5	12.5	13	9	134	ESHT38AL90	ESHT38AL90AB
M 16x1.5 m	55	22	23.5	12	13	9	132	ESHT1615AL90	ESHT1615AL90AB

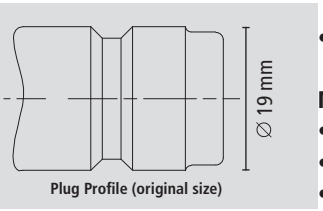




Other types / sizes on request!

Temperature Regulation Quick Connect Couplings
Series ESHG plug size 19 mm

DN 13



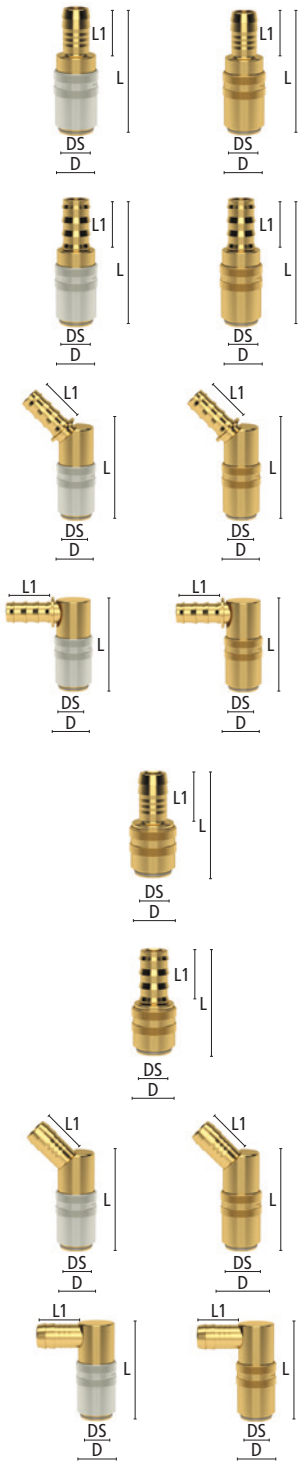
Plug Profile (original size)

- For temperature regulation applications with hot or cold water as well as tempered oil.
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

Materials
- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- O-rings: FKM (PTFE-coated)
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	13	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

European Plug Profile



Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	83	31	25	19	9	200	ESHG 13 TL	ESHG 13 TLAB
Hose i.D. 19	92	31	34	19	13	222	ESHG 19 TL	ESHG 19 TLAB

Couplings with straight quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 16	96	31	38	19	13	222	ESHG 16 T	ESHG 16 TAB
Hose i.D. 19	96	31	38	19	13	240	ESHG 19 T	ESHG 19 TAB

Couplings with 45° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 16	82	31	38	19	13	320	ESHG 16 T-45	ESHG 16 T-45AB

Couplings with 90° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 16	82	31	38	19	13	320	ESHG 16 T-90	ESHG 16 T-90AB

Couplings with straight hose stem – short version without one-hand principle and without valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 19	71	31	34	19	13	170	ESHG 19 TLK	ESHG 19 TL-90AB

Couplings with straight quick fit hose stem – short version without one-hand principle and without valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve
Hose i.D. 16	75	31	38	19	13	163	ESHG 16 TK
Hose i.D. 19	75	31	38	19	13	180	ESHG 19 TK

Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 19	78	31	36	19	13	305	ESHG 19 TL-45	ESHG 19 TL-45AB

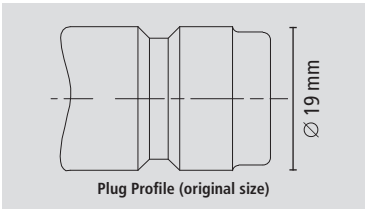
Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 19	78	31	34	19	13	310	ESHG 19 TL-90	ESHG 19 TL-90AB

Temperature Regulation Quick Connect Couplings

plug size 19 mm Series ESHG

DN 13



Plug Profile (original size)

Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/2 m	74	30	31	12	19	13	228	ESHG 12 A	ESHG 12 AAB
M 24x1.5 m	78	30	31	16	19	13	250	ESHG 2415 A	ESHG 2415 AAB
G 3/4 m	78	30	31	16	19	13	250	ESHG 34 A	ESHG 34 AAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)

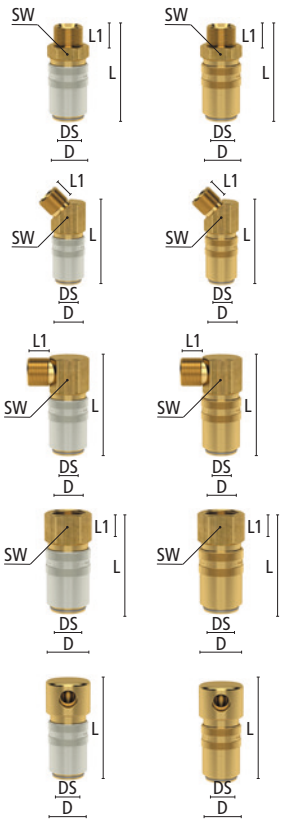
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
M 24x1.5 m	80	30	31	18	19	13	328	ESHG 2415 A-45	ESHG 2415 A-45AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
M 24x1.5 m	80	30	31	18	19	13	338	ESHG 2415 A-90	ESHG 2415 A-90AB

Couplings with straight female thread without/with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/4 m	78	33	31	16	19	13	270	ESHG 34 I	ESHG 34 IAB



Diversion coupling for temperature regulation bridges with 90° tube connection without/ with valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 14/12	80	31	19	12	350	ESHG 14-U	ESHG 14-UAB

Tube (chamfered) for diversion couplings (temperature regulation tube) hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 14/12	500	14	12	170	TR 500-14



Marking rings for easy and clear identification of quick-fit hose lines

Version	D	Color		Weight	Type No.
For Hose i.D. 16	25	blue	50	10	AR-BL 16
For Hose i.D. 16	25	red	50	10	AR-RO 16
For Hose i.D. 16	25	yellow	50	10	AR-GE 16

Simply put on coupling or plug stem before assembling the quick-fit hose

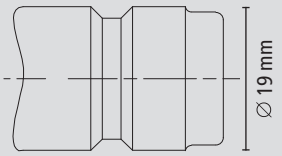


Suitable hose clips, double-ear hose clips or crimiping ferrules for standard hoses (page 314 - 317)

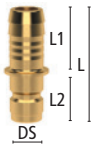
Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Temperature Regulation Quick Connect Couplings
Series ESHG plug size 19 mm

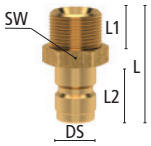
DN 13

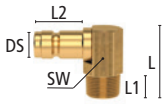


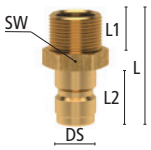
Plug Profile (original size)











Plugs

Plugs with standard hose stem without valve

Hose connection	L	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 13	54	25	27	19	9	52	ESHG 13 SL
Hose i.D. 19	63	34	27	19	13	81	ESHG 19 SL

Plugs with quick-fit hose stem without valve

Hose connection	L	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 16	67	38	27	19	13	63	ESHG 16 S
Hose i.D. 19	67	38	27	19	13	93	ESHG 19 S

Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/2 m	47	22	12	27	19	13	64	ESHG 12 NA*
G 3/4 m	51	27	16	27	19	13	107	ESHG 34 NA*
M 24x1.5 m	51	27	16	27	19	13	97	ESHG 2415 NA

Plugs with 90° male thread without valve (metrical thread DIN 158/conical thread DIN 2999)

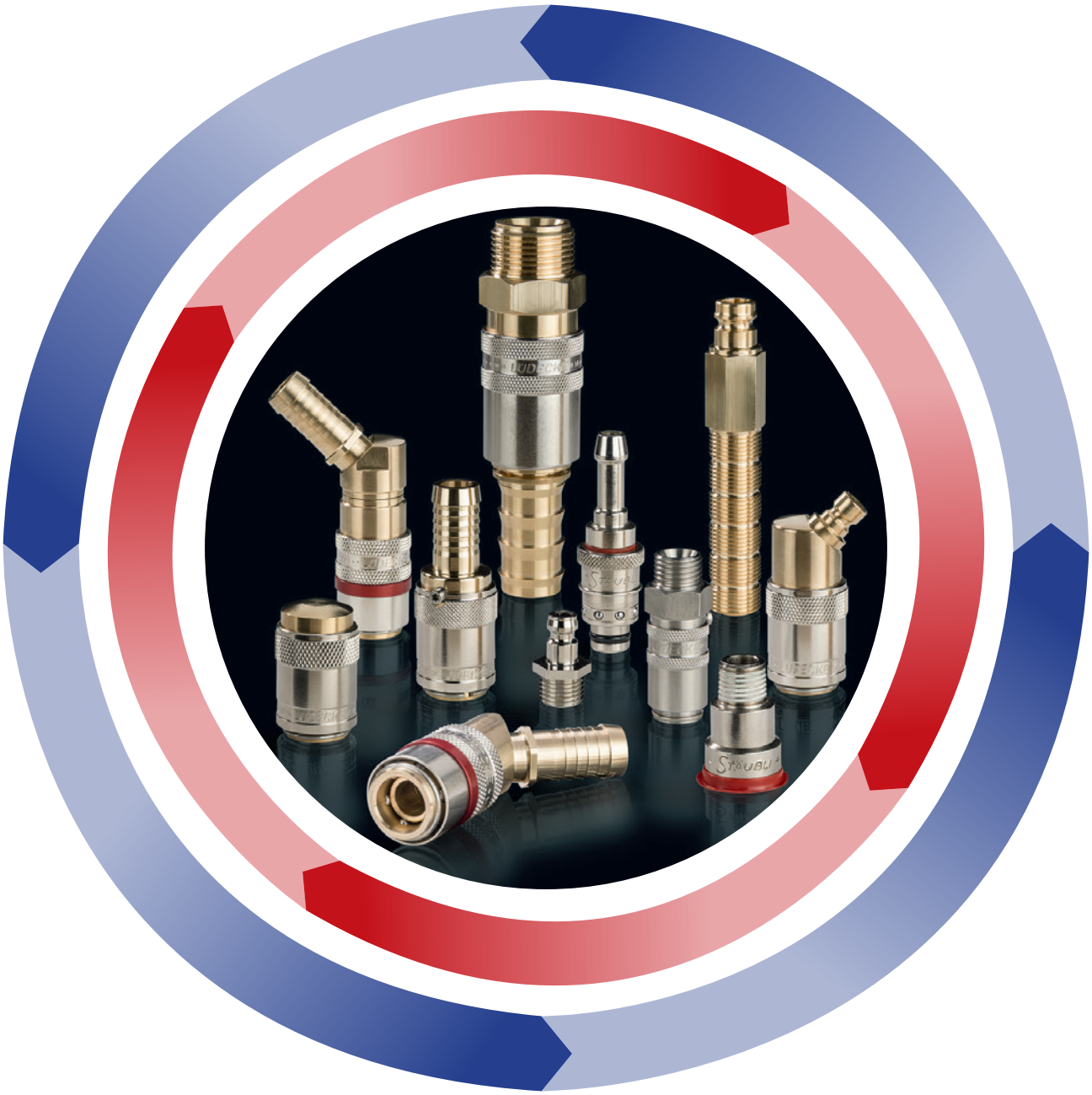
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/2 m	47	24	16	27	19	13	100	ESHG 12 NA-90*
M 24x1.5 m	47	24	16	27	19	13	105	ESHG 2415 NA-90

Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/2 m	47	22	12	27	19	13	84	ESHG 12 NAAB*
G 3/4 m	51	27	16	27	19	13	90	ESHG 34 NAAB*
M 24x1.5 m	51	27	16	27	19	13	86	ESHG 2415 NAAB

Protection cap (plastic) for plug profile ESHG	100	ESHG-K

*Plugs with inch thread nickel-plated for simple distinction

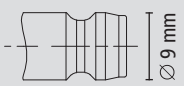


Temperature Regulation Quick Connect Couplings

Series ESHME plug size 9 mm - Stainless Steel 1.4305

DN 6

- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.



Plug Profile (original size)

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining rings: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

European Plug Profile

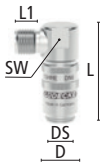












Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	53	17	22.5	9	6	45	ESHME 9 TL	ESHME 9 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHME 9 TL-45	ESHME 9 TL-45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHME 9 TL-90	ESHME 9 TL-90AB

Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	48	17	17	9	9	6	60	ESHME 14 A	ESHME 14 AAB
M 14x1.5 m	48	17	17	9	9	6	60	ESHME 1415 A	ESHME 1415 AAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	65	ESHME 14 A-45	ESHME 14 A-45AB
M 14x1.5 m	47	16	17	9	9	6	65	ESHME 1415 A-45	ESHME1415A-45AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	75	ESHME 14 A-90	ESHME 14 A-90AB
M 14x1.5 m	47	16	17	9	9	6	75	ESHME 1415 A-90	ESHME1415A-90AB

Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

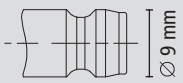
Other types / sizes on request!

Suitable hose clips (page 316), double-ear hose clips (page 314) or crimping ferrules for standard hoses (page 318)

Temperature Regulation Quick Connect Couplings

plug size 9 mm - Stainless Steel 1.4305 Series ESHME

DN 6



Plug Profile (original size)

Plugs

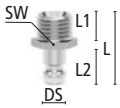
Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 9	39.5	12	22.5	14	9	6	13	ESHME 9 SL



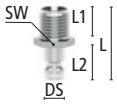
Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	24	11	7	14	9	6	10	ESHME 18 NA
G 1/4 m	26	15	9	14	9	6	14	ESHME 14 NA
G 3/8 m	27	17	9	14	9	6	18	ESHME 38 NA
M 8x0.75 m	24	11	7	14	9	4.5	9	ESHME 875 NA
M 10x1 m	24	11	7	14	9	6	8	ESHME 101 NA
M 14x1.5 m	26	15	9	14	9	6	14	ESHME 1415 NA
M 16x1.5 m	26	17	9	14	9	6	18	ESHME 1615 NA



Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	29	15	12	14	9	6	14	ESHME 14 NAAB
G 3/8 m	30	17	12	14	9	6	22	ESHME 38 NAAB
M 14x1.5 m	29	15	12	14	9	6	15	ESHME 1415 NAAB



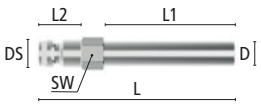
Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 - DN 6	34	12	14	14	9	9	6	15	ESHME-ESHME
DN 6 - DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE



Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	9	42	14	9	6	14	ESHME 63 R
8	100	9	79	14	9	6	20	ESHME 100 R
10	120	11	99	14	9	6	49	ESHME 120 R

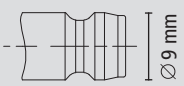


NEW!

Temperature Regulation Quick Connect Couplings

Series ESHMTE plug size 9 mm – Stainless Steel with Automatic Locking Mechanism

DN 6



Plug Profile (original size)

Temp Secure by LÜDECKE

PATENTED PATENTED

European Plug Profile

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, sleeve, valve body, valve, plug: stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61	18	22.5	9	6	54	ESHMTE 9 TL	ESHMTE 9 TLAB

Couplings with 45° standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	54	18	22.5	9	6	79	ESHMTE 9 TL45	ESHMTE 9 TL45AB

Couplings with 90° standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	56	18	22.5	9	6	88	ESHMTE 9 TL90	ESHMTE 9 TL90AB

Couplings with male threads

Couplings with straight male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56.5	17	18	11	9	6	67	ESHMTE14AL	ESHMTE14ALAB
M 14x1.5 m	56.5	17	18	11	9	6	68	ESHMTE1415AL	ESHMTE1415ALAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	17	18	11	9	6	83	ESHMTE14AL45	ESHMTE14AL45AB
M 14x1.5 m	52	17	18	11	9	6	84	ESHMTE1415AL45	ESHMTE1415AL4AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56	17	18	11	9	6	92	ESHMTE14AL90	ESHMTE14AL90AB
M 14x1.5 m	56	17	18	11	9	6	93	ESHMTE1415AL90	ESHMTE1415AL9AB

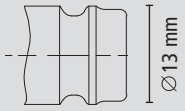
other types / sizes on request!

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel 1.4305 Series ESHE

- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

DN 9



Plug Profile (original size)

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

European Plug Profile

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	61.5	22	25	13	9	81	ESHE 13 TL	ESHE 13 TLAB



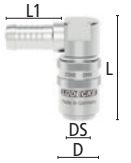
Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	51	22	30	13	9	109	ESHE 13 TL-45	ESHE 13 TL-45AB



Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	51	22	30	13	9	111	ESHE 13 TL-90	ESHE 13 TL-90AB



Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	52	22	22	9	13	9	94	ESHE 38 A	ESHE 38 AAB
M 16x1.5 m	52	22	22	9	13	9	93	ESHE 1615 A	ESHE 1615 AAB



Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	114	ESHE 38 A-45	ESHE 38 A-45AB
M 16x1.5 m	54	19	22	9	13	9	114	ESHE 1615 A-45	ESHE 1615 A-45AB



Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	126	ESHE 38 A-90	ESHE 38 A-90AB
M 16x1.5 m	54	19	22	9	13	9	126	ESHE 1615 A-90	ESHE 1615 A-90AB



Couplings with straight female thread without/ with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13	9	102	ESHE 14 I	ESHE 14 IAB
G 3/8 f	46	22	22	9	13	9	104	ESHE 38 I	ESHE 38 IAB



Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

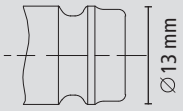
Other types / sizes on request!

Suitable hose clips (page 316), double-ear hose clips (page 314) or crimping ferrules for standard hoses (page 318)

Temperature Regulation Quick Connect Couplings

Series ESHE plug size 13 mm – Stainless Steel 1.4305

DN 9



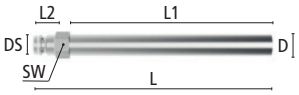
Plug Profile (original size)











Plugs

Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 13	39.5	16	25	14	13	9	25	ESHE 13 SL

Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	26	15	9	14	13	9	17	ESHE 14 NA
G 3/8 m	26	17	9	14	13	9	22	ESHE 38 NA
G 1/2 m	31	22	12	14	13	9	22	ESHE 12 NA
M 14x1.5 m	26	15	9	14	13	9	16	ESHE 1415 NA
M 16x1.5 m	26	17	9	14	13	9	20	ESHE 1615 NA

Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	11	14	13	9	21	ESHE 14 NAAB
G 3/8 m	29	17	12	14	13	9	23.5	ESHE 38 NAAB
M 16x1.5 m	29	17	12	14	13	9	23	ESHE 1615 NAAB

Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 – DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE
DN 9 – DN 9	34	14	14	14	13	13	9	25	ESHE-ESHE

Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	14	13	9	109	ESHE 150 R

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel with Automatic Locking Mechanism Series ESHTE

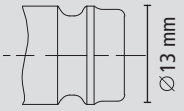
NEW!

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For Temperature Regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring

DN 9



Plug Profile (original size)

Temp Secure by LÜDECKE

PATENTED • PATENTED

European Plug Profile

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	63	23.5	25	13	9	77	ESHTE 13 TL	ESHTE 13 TLAB



Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL45	ESHTE 13 TL45AB



Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL90	ESHTE 13 TL90AB



Couplings with male thread

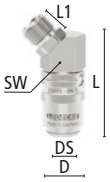
Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	56	22	23.5	12.5	13	9	95	ESHTE38AL	ESHTE38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	94	ESHTE1615AL	ESHTE1615ALAB



Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL45	ESHTE38AL45AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL45	ESHTE1615AL45AB



Couplings with 90° male thread without/with valve (inner cone DIN 3863)

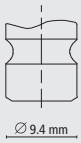
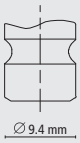
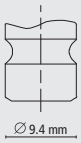
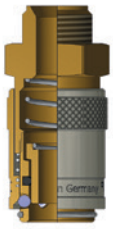
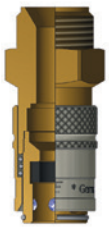
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL90	ESHTE38AL90AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL90	ESHTE1615AL90AB



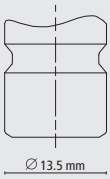
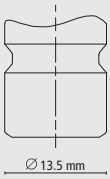
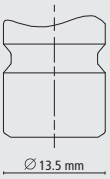
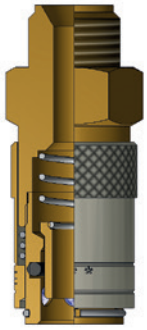
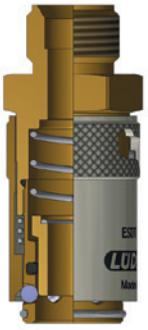
Other sizes on request

*depends on media (Oil: 200°C, Water: 160°C, Air: 200°C)

Overview of the Quick Connect Couplings with

Series	ESDM DN 6	NEW! ESDMT DN 6	ESDMF DN 6
Plug profile (original size)			
			
			
Materials:			
Body:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Sleeve*:	Brass MS 58 (plain/nickel-pl.)	hrsb (plain/nickel-plated)	Brass MS 58 (plain/ nickel-plated)
Valve Body:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Valve:	Brass MS 58 plain	Brass MS 58 plain	Brass MS 58 plain
Springs, Retaining Ring:	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310
Balls:	Stainless steel 1.4034	Stainless steel 1.4034	Stainless steel 1.4034
Seals:	Spezial-Hitec-FKM-O-Ring	Special-Hitec-FKM-O-ring	FKM (flat sealing)
Special seals for other media on request:	EPDM, FFKM	EPDM, FFKM	
Plug:	Brass MS 58 (plain/nickel-pl.)	Brass MS 58 (plain/nickel-pl.)	Brass MS 58 (plain/nickel-pl.)
Max. Working Pressure:	PN 15 bar	PN 15 bar	PN 15 bar
Temperature:	-20°C– +200°C**	-20°C– +200°C***	-20°C– +200°C**
Thread Types:	ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13
Flow rate:	see chart p. 143	see chart p. 143	see chart p. 143
Connection:	straight/45°/90°	straight/45°/90°	straight/45°/90°
Type of Valve:	single/double/straight-through	single/double/straight-through	single/double/straight-through
Operation:	One-hand	One-hand	Two-hands
Page:	120	124	125

International Plug Profiles

	Temp Secure by LÜDECKE NEW!	
ESD	**ESDT**	**ESDF**
DN 9	**DN 9**	**DN 9**
		
		
		
Brass MS 58 plain Brass MS 58 (plain/nickel-plated) Brass MS 58 plain Brass MS 58 plain	Brass MS 58 plain hrsb (plain/nickel-plated) Brass MS 58 plain Brass MS 58 plain	Brass MS 58 plain Brass MS 58 (plain/nickel-plated) Brass MS 58 plain Brass MS 58 plain
Stainless steel 1.4310 Stainless steel 1.4034	Stainless steel 1.4310 Stainless steel 1.4034	Stainless steel 1.4310 Stainless steel 1.4034
Special-Hitec-FKM-O-ring	Special-Hitec-FKM-O-ring	FKM (flat sealing)
EPDM, FFKM	EPDM, FFKM	
Brass MS 58 (plain/nickel-pl.)	Brass MS 58 (plain/nickel-pl.)	Brass MS 58 (plain/nickel-pl.)
PN 15 bar	PN 15 bar	PN 15 bar
-20°C– +200°C**	-20°C– +200°C***	-20°C– +200°C**
ISO 228, DIN 13	ISO 228, DIN 13	ISO 228, DIN 13
see chart p. 143	see chart p. 143	see chart p. 143
straight/45°/90°	straight/45°/90°	straight/45°/90°
single/double/straight-through	single/double/straight-through	single/double/straight-through
One-hand	Two-hands	Two-hands
129	133	134

*coupling with valve: Brass MS plain, coupling without valve: Brass MS nickel-plated

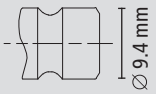
**subject to media (oil: 200°C, water: 150°C, air: 200°C)

***subject to media (oil: 200°C, water: 160°C, air: 200°C)

hrsb: High Resistant Special Brass

Temperature Regulation Quick Connect Couplings
Series ESDM plug size 9.4 mm

DN 6



Plug Profile (original size)

International Plug Profile

- Couplings with O-ring-Sealing and one-hand operation
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request)
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

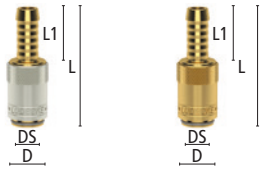
Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10

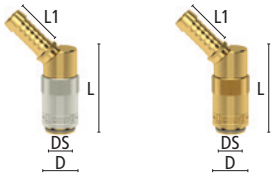
Couplings with hose connection

Couplings with straight standard hose stem without/with valve



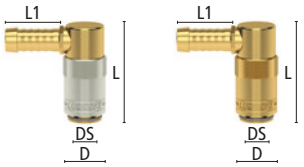
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	51	17	22.5	9.4	5	40	ESDM 6 TL	ESDM 6 TLAB
Hose i.D. 9	51	17	22.5	9.4	6	45	ESDM 9 TL	
Hose i.D. 9	51	17	22.5	9.4	6	45		ESDM 9 TLAB
Hose i.D. 13	53	17	25	9.4	6	54	ESDM 13 TL	ESDM 13 TLAB

Couplings with 45° standard hose stem without/with valve



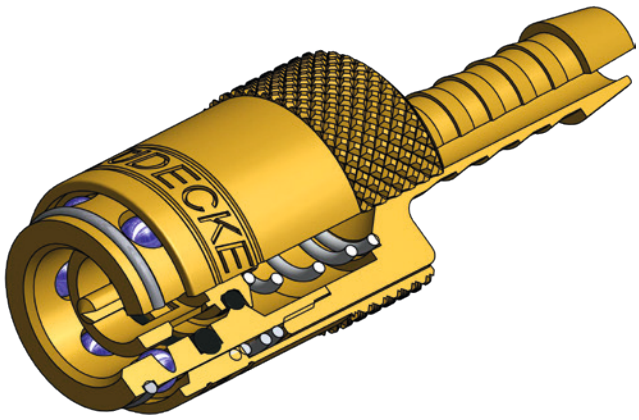
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	40.5	17	25.5	9.4	5	58	ESDM 6 TL-45	ESDM 6 TL-45AB
Hose i.D. 9	40.5	17	25.5	9.4	6	62	ESDM 9 TL-45	ESDM 9 TL-45AB

Couplings with 90° standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	40.5	17	25.5	9.4	5	58	ESDM 6 TL-90	ESDM 6 TL-90AB
Hose i.D. 9	40.5	17	25.5	9.4	6	62	ESDM 9 TL-90	ESDM 9 TL-90AB

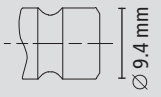
Suitable hose clips, double-ear hose clips or crimping ferrules for standard hoses – (page 314 - 317)



Temperature Regulation Quick Connect Couplings

plug size 9.4 mm Series ESDM

DN 6



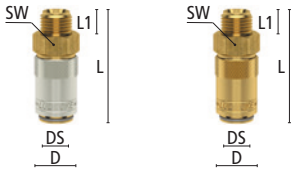
Plug Profile (original size)

Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

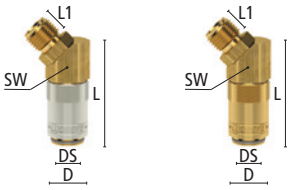
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	46	17	17	9	9.4	6	60	ESDM 14 A	ESDM 14 AAB
G 3/8 m	46	19	17	9	9.4	6	70	ESDM 38 A	ESDM 38 AAB
M 10x1 m	44	17	17	7	9.4	6	60	ESDM 101 A	ESDM 101 AAB
M 14x1.5 m	46	17	17	9	9.4	6	60	ESDM 1415 A	ESDM 1415 AAB
M 16x1.5 m	46	19	17	9	9.4	6	70	ESDM 1615 A	ESDM 1615 AAB
G 1/4 m	50	17	17	13	9.4	6	61	ESDM 14 AL	ESDM 14 ALAB
G 3/8 m	50	19	17	13	9.4	6	75	ESDM 38 AL	ESDM 38 ALAB
M 14x1.5 m	50	17	17	13	9.4	6	65	ESDM 1415 AL	ESDM 1415 ALAB

Version AL with longer male thread mainly used for assembly with Ermeto screwings.



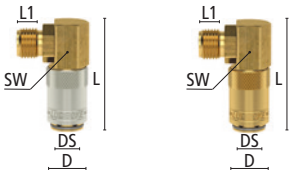
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	45	17	17	9	9.4	6	65	ESDM 14 A-45	ESDM 14 A-45AB
G 3/8 m	45	19	17	9	9.4	6	75	ESDM 38 A-45	ESDM 38 A-45AB
M 10x1 m	45	17	17	7	9.4	6	65	ESDM 101 A-45	ESDM 101 A-45AB
M 14x1.5 m	45	17	17	9	9.4	6	65	ESDM 1415 A-45	ESDM 1415 A-45AB
M 16x1.5 m	45	19	17	9	9.4	6	75	ESDM 1615 A-45	ESDM 1615 A-45AB



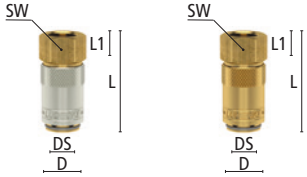
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	45	17	17	9	9.4	6	75	ESDM 14 A-90	ESDM 14 A-90AB
G 3/8 m	45	19	17	9	9.4	6	85	ESDM 38 A-90	ESDM 38 A-90AB
M 10x1 m	45	17	17	7	9.4	6	75	ESDM 101 A-90	ESDM 101 A-90AB
M 14x1.5 m	45	17	17	9	9.4	6	75	ESDM 1415 A-90	ESDM 1415 A-90AB
M 16x1.5 m	45	19	17	9	9.4	6	85	ESDM 1615 A-90	ESDM 1615 A-90AB



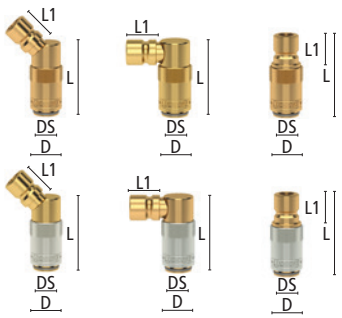
Couplings with straight female thread without/with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	40	17	17	9	9.4	6	50	ESDM 14 I	ESDM 14 IAB
G 3/8 f	40	21	17	9	9.4	6	54	ESDM 38 I	ESDM 38 IAB
M 10x1 f	40	17	17	9	9.4	6	50	ESDM 101 I	ESDM 101 IAB
M 14x1.5 f	40	17	17	9	9.4	6	50	ESDM 1415 I	ESDM 1415 IAB



Couplings with plug DN 9 - ESDM and ESDM-ESHM System Adapters

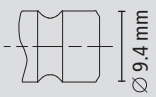
Connection	L	D	L1	DS	Passage	Version	Weight	Type No. w/o valve	Type No. w valve
DN 6 - DN 9	50.5	17	15.5	9.4	6	straight	75	ESDMK-ESDS	ESDMK-ESDS-AB
DN 6 - DN 9	45	17	15.5	9.4	6	45°	80	ESDMK-ESDS-45	ESDMK-ESDS-45 AB
DN 6 - DN 9	45	17	15.5	9.4	6	90°	80	ESDMK-ESDS-90	ESDMK-ESDS-90 AB
DN 6 - DN 6	50	17	14	9.4	6	straight	70	ESDMK-ESHMS	ESDMK-ESHMS-AB
DN 6 - DN 9	50	17	14	9.4	6	straight	75	ESDMK-ESHS	ESDMK-ESHS-AB



Temperature Regulation Quick Connect Couplings

Series ESDM plug size 9.4 mm

DN 6



Plug Profile (original size)



Diversion coupling for temperature regulation bridges for tube connection 90° with/without valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 8/6	41	17	9.4	6	63	ESDM 8-U	ESDM 8-UAB



Tube (chamfered) for diversion couplings (temperature regulation tube). hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 8/6	250	8	6	45	TR 250-8
Tube 8/6	500	8	6	93	TR 500-8



Plain End Coupling

Connection	L	D	DS	Weight	Type No.
closed	30	17	9.4	37	ESDM-B

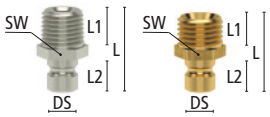
Plugs



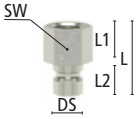
Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	39.5	12	22.5	10.5	9.4	5	9	ESDM 6 SL
Hose i.D. 9	39.5	12	22.5	10.5	9.4	6	13	ESDM 9 SL
Hose i.D. 13	39.5	15	22.5	10.5	9.4	6	17	ESDM 13 SL

Plugs with straight male thread without valve (inner cone DIN 3863)



Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	22	11	8	10.5	9.4	6	10	ESDM 18 NA*
R 1/8 m	25	11	11	10.5	9.4	6	12	ESDM 18 NAR*
G 1/4 m	23	14	9	10.5	9.4	6	14	ESDM 14 NA*
R 1/4 m	26	14	12	10.5	9.4	6	16	ESDM 14 NAR*
G 3/8 m	23.5	17	9	10.5	9.4	6	18	ESDM 38 NA*
M 8x0.75 m	20. 5	11	7	10.5	9.4	4.5	9	ESDM 875 NA
M 10x1 m	22	11	7	10.5	9.4	6	8	ESDM 101 NA
M 14x1.5 m	23	14	9	10.5	9.4	6	10	ESDM 1415 NA
M 16x1.5 m	23	17	9	10.5	9.4	6	18	ESDM 1615 NA



Plugs with straight female thread without valve

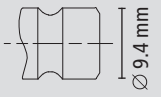
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 f	22	14	9	10.5	9.4	6	15	ESDM 18 NI*
G 1/4 f	23	17	9	10.5	9.4	6	19	ESDM 14 NI*
G 3/8 f	23	19	10	10.5	9.4	6	25	ESDM 38 NI*

*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

plug size 9.4 mm Serie ESDM

DN 6



Plug Profile (original size)

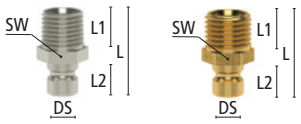
Plugs with 90° male thread without valve (metrical thread DIN 158/conical thread DIN 2999)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/8 m	27	15	9	10.5	9.4	6	35	ESDM 18 NA-90*
R 1/4 m	29	15	11	10.5	9.4	6	35	ESDM 14 NA-90*
R 3/8 m	30	17	12	10.5	9.4	6	35	ESDM 38 NA-90*
M 8x0.75 m	27	15	9	10.5	9.4	4.5	38	ESDM 875 NA-90
M 10x1 m	27	15	9	10.5	9.4	6	38	ESDM 101 NA-90
M 14x1.5 m	29	15	11	10.5	9.4	6	40	ESDM 1415 NA-90



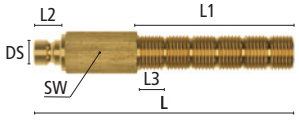
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	25.5	14	11	10.5	9.4	6	14	ESDM 14 NAAB*
R 1/4 m	28.5	14	14	10.5	9.4	6	18	ESDM 14 NARAB*
G 3/8 m	26.5	17	11	10.5	9.4	6	22	ESDM 38 NAAB*
M 14x1.5 m	25.5	15	11	10.5	9.4	6	15	ESDM 1415 NAAB



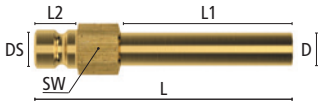
Plugs with straight male long thread without valve (for length cutting as needed)

Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/8 a	100	11	60	10.5	10	9.4	6	36	ESDM 18-60 NA
G 1/4 a	100	14	60	10.5	10	9.4	6	58	ESDM 14-60 NA
G 3/8 a	100	17	60	10.5	10	9.4	6	90	ESDM 38-60 NA
M 10x1 a	100	11	60	10.5	10	9.4	6	36	ESDM 101-60 NA
M 14x1.5 a	100	14	60	10.5	10	9.4	6	61	ESDM 1415-60 NA



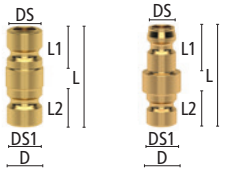
Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	11	42	10.5	9.4	6	14	ESDM 68 R
8	100	11	79	10.5	9.4	6	20	ESDM 100 R
10	63	11	42	10.5	9.4	6	20	ESDM 63 R10
10	100	11	79	10.5	9.4	6	38	ESDM 100 R10
10	120	11	102	10.5	9.4	6	49	ESDM 120 R



Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 – DN 6	27	10	10.5	10.5	9.4	9.4	6	14	ESDM-ESDM
DN 9 – DN 6	31	14	15.5	10.5	9.4	13.5	6	18	ESD-ESDM
DN 6 – DN 6	31	12	10.5	14	9	9.4	6	14	ESDM-ESHM
DN 6 – DN 9	31	14	10.5	14	13	9.4	6	18	ESDM-ESH
Protection cap (plastic) for plug profile ESDM						100			ESDM-K



*Plugs with inch thread nickel-plated for simple distinction

NEW!

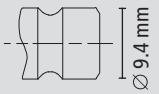
Temperature Regulation Quick Connect Couplings

Series ESDMT plug size 9.4 mm – High Resistant Special Brass

with Automatic Locking Mechanism

DN 6

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of high resistant special brass
- For Temperature Regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications



Plug Profile (original size)

Temp Secure by LUDECKE

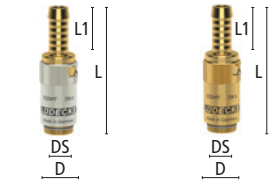
PATENTED • PATENTED

International Plug Profile

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring

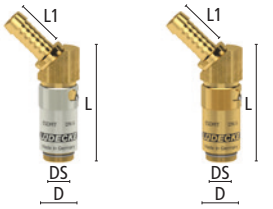
Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5



Couplings with hose connection

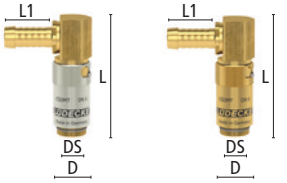
Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	60	18	22.5	9.4	6	55	ESDMT 9 TL	ESDMT 9 TLAB



Couplings with 45° standard hose stem without/with valve

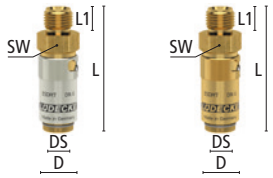
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	18	22.5	9.4	6	78	ESDMT 9 TL45	ESDMT 9 TL45AB



Coupling with 90° standard hose stem without/with valve

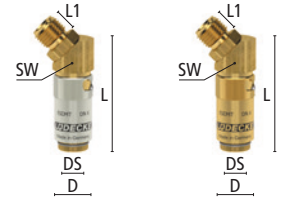
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	55	18	22.5	9.4	6	87	ESDMT 9 TL90	ESDMT 9 TL90AB

Coupling with male thread



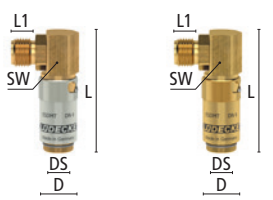
Coupling with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	55.5	17	18	11	9.4	6	69	ESDMT14AL	ESDMT14ALAB
M 14x1.5 m	55.5	17	18	11	9.4	6	70	ESDMT1415AL	ESDMT1415ALAB



Coupling wiht 45° male thread without with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	51	17	18	11	9.4	6	81	ESDMT14AL45	ESDMT14AL45AB
M 14x1.5 m	51	17	18	11	9.4	6	82	ESDMT1415AL45	ESDMT1415AL45AB



Coupling with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	55	17	18	11	9.4	6	90	ESDMT14AL90	ESDMT14AL90AB
M 14x1.5 m	55	17	18	11	9.4	6	91	ESDMT1415AL90	ESDMT1415AL90AB

other sizes on request

Temperature Regulation Quick Connect Couplings

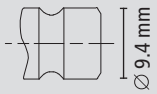
plug size 9.4 mm Series ESDMF

DN 6

- Couplings flat-sealing with two-hand operation
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request)

Materials

- Body, valve body, valve, plug: MS 58 brass plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- Springs, retaining rings: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)



Plug Profile (original size)

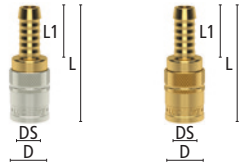
Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228 / DIN 13	Two-hands	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10

International Plug Profile

Couplings with hose connection

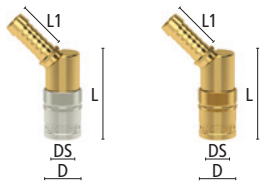
Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	51	17	22.5	9.4	5	40	ESDMF 6 TL	ESDMF 6 TLAB
Hose i.D. 9	51	17	22.5	9.4	6	45	ESDMF 9 TL	ESDMF 9 TLAB
Hose i.D. 13	53	17	25	9.4	6	54	ESDMF 13 TL	ESDMF 13 TLAB



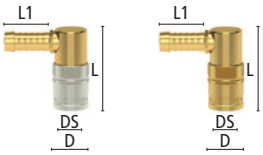
Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	40.5	17	25.5	9.4	5	58	ESDMF 6 TL-45	ESDMF 6 TL-45AB
Hose i.D. 9	40.5	17	25.5	9.4	6	62	ESDMF 9 TL-45	ESDMF 9 TL-45AB

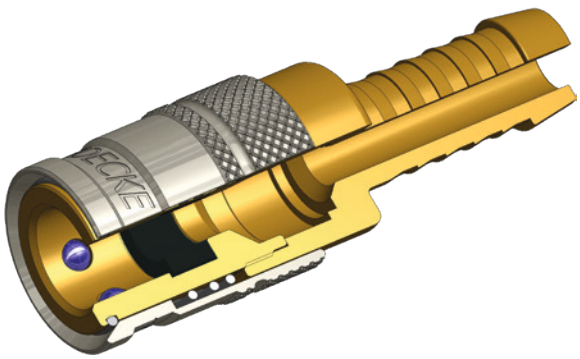


Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 6	40.5	17	25.5	9.4	5	58	ESDMF 6 TL-90	ESDMF 6 TL-90AB
Hose i.D. 9	40.5	17	25.5	9.4	6	62	ESDMF 9 TL-90	ESDMF 9 TL-90AB

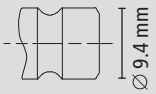


Suitable hose clips, double-ear clips or crimping ferrules for standard hoses (page 314 - 317)



Temperature Regulation Quick Connect Couplings
Series ESDMF plug size 9.4 mm

DN 6



Plug Profile (original size)

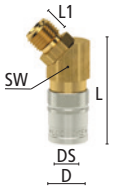


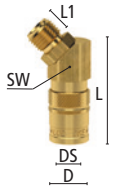


Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

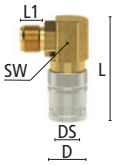
Thread Connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	46	17	17	13	9.4	6	60	ESDMF 14 A	ESDMF 14 AAB
G 3/8 m	46	19	17	13	9.4	6	70	ESDMF 38 A	ESDMF 38 AAB
M 10x1 m	44	17	17	7	9.4	6	60	ESDMF 101 A	ESDMF 101 AAB
M 14x1.5 m	46	17	17	13	9.4	6	60	ESDMF 1415 A	ESDMF 1415 AAB
M 16x1.5 m	46	19	17	13	9.4	6	70	ESDMF 1615 A	ESDMF 1615 AAB

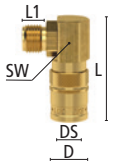




Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread Connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	45	17	17	9	9.4	6	65	ESDMF 14 A-45	ESDMF 14 A-45AB
G 3/8 m	45	19	17	9	9.4	6	75	ESDMF 38 A-45	ESDMF 38 A-45AB
M 10x1 m	45	17	17	7	9.4	6	65	ESDMF 101 A-45	ESDMF 101 A-45AB
M 14x1.5 m	45	17	17	9	9.4	6	65	ESDMF 1415 A-45	ESDMF 1415 A-45AB
M 16x1.5 m	45	19	17	9	9.4	6	75	ESDMF 1615 A-45	ESDMF 1615 A-45AB





Couplings with 90° male thread without/with valve (inner cone DIN 3863)

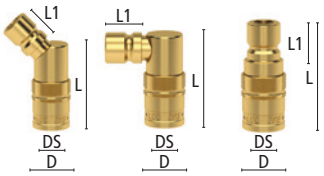
Thread Connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	45	17	17	9	9.4	6	75	ESDMF 14 A-90	ESDMF 14 A-90AB
G 3/8 m	45	19	17	9	9.4	6	85	ESDMF 38 A-90	ESDMF 38 A-90AB
M 10x1 m	45	17	17	7	9.4	6	75	ESDMF 101 A-90	ESDMF 101 A-90AB
M 14x1.5 m	45	17	17	9	9.4	6	75	ESDMF 1415 A-90	ESDMF 1415 A-90AB
M 16x1.5 m	45	19	17	9	9.4	6	85	ESDMF 1615 A-90	ESDMF 1615 A-90AB

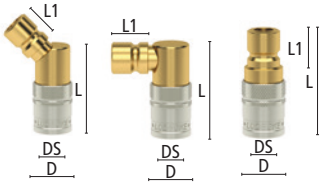




Couplings with straight female thread without/with valve

Thread Connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	40	17	17	9	9.4	6	50	ESDMF 14 I	ESDMF 14 IAB
G 3/8 f	40	21	17	9	9.4	6	54	ESDMF 38 I	ESDMF 38 IAB
M 10x1 f	40	17	17	9	9.4	6	50	ESDMF 101 I	ESDMF 101 IAB
M 14x1.5 f	40	17	17	9	9.4	6	50	ESDMF 1415 I	ESDMF 1415 IAB





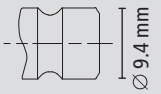
Couplings with plug nipple DN 6 - ESDMF and ESDMF-ESHM-System Adapters

Connection	L	D	L1	DS	Passage	Ausf.	Weight	Type No. w/o valve	Type No. w valve
DN 6 - DN 9	50.5	17	15.5	9.4	6	straight	75	ESDMFK-ESDS	ESDMFK-ESDS-AB
DN 6 - DN 9	45	17	15.5	9.4	6	45°	80	ESDMFK-ESDS-45	ESDMFK-ESDS-45AB
DN 6 - DN 9	45	17	15.5	9.4	6	90°	80	ESDMFK-ESDS-90	ESDMFK-ESDS-90AB
DN 6 - DN 6	50	17	14	9.4	6	straight	70	ESDMFK-ESHMS	ESDMFK-ESHMS-AB
DN 6 - DN 9	50	17	14	9.4	6	straight	75	ESDMFK-ESHS	ESDMFK-ESHS-AB

Temperature Regulation Quick Connect Couplings

plug size 9.4 mm Serie ESDMF

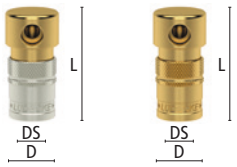
DN 6



Plug Profile (original size)

Diversion coupling for temperature regulation bridges for tube connection 90° with/without valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 6/8	42	17	9.4	6	63	ESDMF 8-U	ESDMF 8-UAB



Tube (chamfered) for diversion couplings (temperature regulation tube), hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 8/6	250	8	6	45	TR 250-8
Tube 8/6	500	8	6	93	TR 500-8



Plain End Coupling

Connection	L	D	DS	Weight	Type No.
closed	30	17	9.4	37	ESDMF-B



Plugs

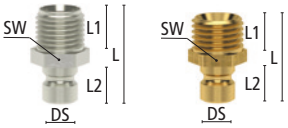
Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	39.5	12	22.5	10.5	9.4	5	9	ESDM 6 SL
Hose i.D. 9	39.5	12	22.5	10.5	9.4	6	13	ESDM 9 SL
Hose i.D. 13	39.5	15	22.5	10.5	9.4	6	17	ESDM 13 SL



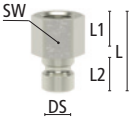
Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	22	11	8	10.5	9.4	6	10	ESDM 18 NA*
R 1/8 m	25	11	11	10.5	9.4	6	12	ESDM 18 NAR*
G 1/4 m	23	14	9	10.5	9.4	6	14	ESDM 14 NA*
R 1/4 m	26	14	12	10.5	9.4	6	16	ESDM 14 NAR*
G 3/8 m	23.5	17	9	10.5	9.4	6	18	ESDM 38 NA*
M 8x0.75 m	20.5	11	7	10.5	9.4	4.5	9	ESDM 875 NA
M 10x1 m	22	11	7	10.5	9.4	6	8	ESDM 101 NA
M 14x1.5 m	23	14	9	10.5	9.4	6	10	ESDM 1415 NA
M 16x1.5 m	23	17	9	10.5	9.4	6	18	ESDM 1615 NA



Plugs with straight female thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 f	22	14	9	10.5	9.4	6	15	ESDM 18 NI*
G 1/4 f	23	17	9	10.5	9.4	6	19	ESDM 14 NI*
G 3/8 f	23	19	10	10.5	9.4	6	25	ESDM 38 NI*

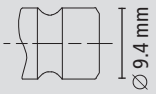


*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

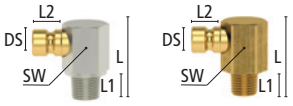
Serie ESDMF plug size 9.4 mm

DN 6



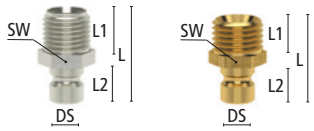
Plug Profile (original size)

Plugs with 90° male thread without valve (metrical thread DIN 158/conical thread DIN 2999)



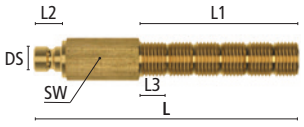
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/8 m	27	15	9	10.5	9.4	6	35	ESDM 18 NA-90*
R 1/4 m	29	15	11	10.5	9.4	6	35	ESDM 14 NA-90*
R 3/8 m	30	17	12	10.5	9.4	6	35	ESDM 38 NA-90*
M 8x0.75 m	27	15	9	10.5	9.4	4.5	38	ESDM 875 NA-90
M 10x1 m	27	15	9	10.5	9.4	6	38	ESDM 101 NA-90
M 14x1.5 m	29	15	11	10.5	9.4	6	40	ESDM 1415 NA-90

Plugs with straight male thread with valve



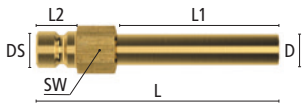
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	25.5	14	11	10.5	9.4	6	14	ESDM 14 NAAB*
R 1/4 m	28.5	14	14	10.5	9.4	6	18	ESDM 14 NARAB*
G 3/8 m	26.5	17	11	10.5	9.4	6	22	ESDM 38 NAAB*
M 14x1.5 m	25.5	15	11	10.5	9.4	6	15	ESDM 1415 NAAB

Plugs with straight male long thread without valve (for length cutting as needed)



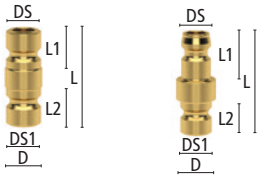
Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/8 m	100	11	60	10.5	9	9.4	6	36	ESDM 18-60 NA
G 1/4 m	100	14	60	10.5	9	9.4	6	58	ESDM 14-60 NA
G 3/8 m	100	17	60	10.5	9	9.4	6	90	ESDM 38-60 NA
M 10x1 m	100	11	60	10.5	9	9.4	6	36	ESDM 101-60 NA
M 14x1.5 m	100	14	60	10.5	9	9.4	6	61	ESDM 1415-60 NA

Plug Tubes for countersunk mould threads



D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	11	42	10.5	9.4	6	14	ESDM 68 R
8	100	11	79	10.5	9.4	6	20	ESDM 100 R
10	63	11	42	10.5	9.4	6	20	ESDM 63 R10
10	100	11	79	10.5	9.4	6	38	ESDM 100 R10
10	120	11	102	10.5	9.4	6	49	ESDM 120 R

Plug System Adapters



Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 – DN 6	27	10	10.5	10.5	9.4	9.4	6	14	ESDM-ESDM
DN 9 – DN 6	31	14	15.5	10.5	9.4	13.5	6	18	ESD-ESDM
DN 6 – DN 6	31	12	10.5	14	9	9.4	6	14	ESDM-ESHM
DN 6 – DN 9	31	14	10.5	14	13	9.4	6	18	ESDM-ESH
Protection cap (plastic) for plug profile ESDM						100			ESDM-K

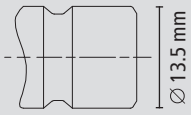
*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

plug size 13.5 mm Serie ESD

- Couplings with O-ring-sealing and one-hand operation
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request)
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

DN 9



Plug Profile (original size)

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-pl.
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10

International Plug Profile

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61.5	22	25	13.5	7	72	ESD 9 TL	ESD 9 TLAB
Hose i.D. 13	61.5	22	25	13.5	9	81	ESD 13 TL	
Hose i.D. 13	61.5	22	25	13.5	9	81		ESD 13 TLAB

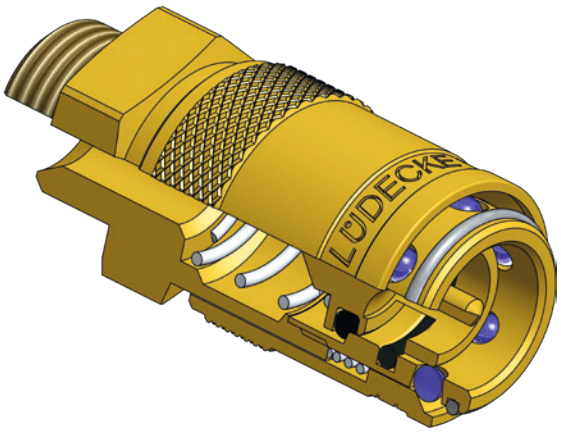
Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	103	ESD 9 TL-45	ESD 9 TL-45AB
Hose i.D. 13	51	22	30	13.5	9	109	ESD 13 TL-45	ESD 13 TL-45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	105	ESD 9 TL-90	ESD 9 TL-90AB
Hose i.D. 13	51	22	30	13.5	9	111	ESD 13 TL-90	ESD 13 TL-90AB

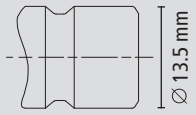
Suitable hose clips, double-ear clips or crimping ferrules for standard hoses (page 314 - 317)



Temperature Regulation Quick Connect Couplings

Series ESD plug size 13.5 mm

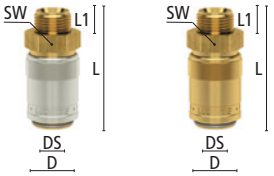
DN 9



Plug Profile (original size)

Couplings with thread connection

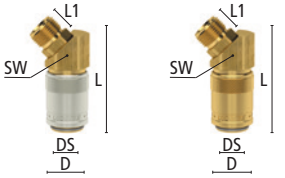
Couplings with straight male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	22	22	9	13.5	9	90	ESD 14 A	ESD 14 AAB
G 3/8 m	52	22	22	9	13.5	9	94	ESD 38 A	ESD 38 AAB
M 16x1.5 m	52	22	22	9	13.5	9	93	ESD 1615 A	ESD 1615 AAB
G 1/2 m	53	24	22	10	13.5	9	95	ESD 12 A	ESD 12 AAB
G 3/8 m	52	22	22	11	13.5	9	94	ESD 38 AL	ESD 38 ALAB
M 16x1.5 m	52	22	22	11	13.5	9	105	ESD 1615 AL	ESD 1615 ALAB
G 1/2 m	54.5	24	22	12	13.5	9	110	ESD 12 AL	ESD 12 ALAB

Version AL with longe male thread mainly used for assembly with Ermeto-screwings.

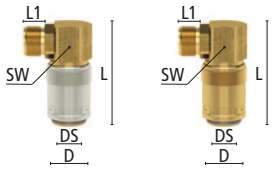
Couplings with 45° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	22	22	9	13.5	9	114	ESD 38 A-45	ESD 38 A-45AB
M 16x1.5 m	54	22	22	9	13.5	9	114	ESD 1615 A-45	ESD 1615 A-45AB
G 3/8 m	54	22	22	11	13.5	9	125	ESD 38 AL-45	ESD 38 AL-45AB

Version AL with longer male thread mainly used for assembly with Ermeto-screwings.

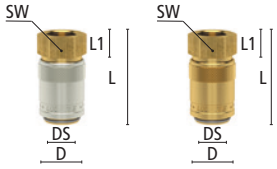
Couplings with 90° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	22	22	9	13.5	9	126	ESD 38 A-90	ESD 38 A-90AB
M 16x1.5 m	54	22	22	9	13.5	9	126	ESD 1615 A-90	ESD 1615 A-90AB
G 3/8 m	54	22	22	11	13.5	9	125	ESD 38 AL-90	ESD 38 AL-90AB

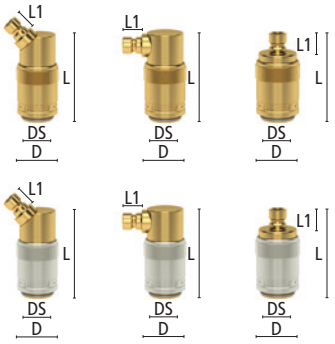
Version AL with longer male thread mainly used for assembly with Ermeto-screwings.

Couplings with straight female thread without/with valve



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13.5	9	75	ESD 14 I	ESD 14 IAB
G 3/8 f	46	22	22	9	13.5	9	84	ESD 38 I	ESD 38 IAB
G 1/2 f	49	24	22	12	13.5	9	110	ESD 12 I	ESD 12 IAB

Couplings with plug DN 6 - ESHM - Sytem Adaptor and ESH-ESD System Adaptor

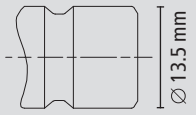


Connection	L	D	L1	DS	Passage	Version	Weight	Type No. w/o valve	Type No. w valve
DN 9 - DN 6	48	22	10.5	13.5	6	straight	85	ESDK-ESDMS	ESDK-ESDMS-AB
DN 9 - DN 6	54	22	10.5	13.5	6	45°	100	ESDK-ESDMS-45	ESDK-ESDMS-45AB
DN 9 - DN 6	54	22	10.5	13.5	6	90°	100	ESDK-ESDMS-90	ESDK-ESDMS-90AB
DN 9 - DN 6	51	22	14	13.5	6	straight	85	ESDK-ESHMS	ESDK-ESHMS-AB
DN 9 - DN 9	51	22	14	13.5	9	straight	100	ESDK-ESHS	ESDK-ESHS-AB

Temperature Regulation Quick Connect Couplings

plug size 13.5 mm Series ESD

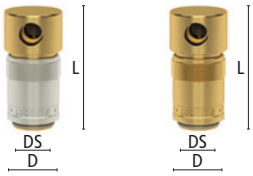
DN 9



Plug Profile (original size)

Diversion coupling for temperature regulation bridges for tube connection 90° with/without valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 10/8	53	17	13.4	8	118	ESD 10-U	ESD 10-UAB



Tube (chamfered) for diversion couplings (temperature regulation tube), hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 10/8	250	10	8	60	TR 250-10
Tube 10/8	500	10	8	120	TR 500-10



Plain End Coupling

Connection	L	D	DS	Weight	Type No.
closed	37	22	13.5	67	ESD-B



Plugs

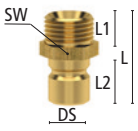
Plugs wih standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	41	14.5	22.5	15.5	13.5	5	20	ESD 6 SL
Hose i.D. 9	41	14.5	22.5	15.5	13.5	7	23	ESD 9 SL
Hose i.D. 13	43.5	16	25	15.5	13.5	9	25	ESD 13 SL



Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	27	15	7	15.5	13.5	6	16	ESD 18 NA*
G 1/4 m	29	15	9	15.5	13.5	9	17	ESD 14 NA*
R 1/4 m	32	15	12	15.5	13.5	9	21	ESD 14 NAR*
G 3/8 m	29	17	9	15.5	13.5	9	22	ESD 38 NA*
R 3/8 m	32	17	12	15.5	13.5	9	26	ESD 38 NAR*
G 1/2 m	32	22	12	15.5	13.5	9	42	ESD 12 NA*
G 3/4 m	36.5	27	16	15.5	13.5	9	77	ESD 34 NA*
M 10x1 m	27	15	7	15.5	13.5	6.5	14	ESD 101 NA
M 14x1.5 m	29	15	9	15.5	13.5	9	16	ESD 1415 NA
M 16x1.5 m	29	17	9	15.5	13.5	9	20	ESD 1615 NA



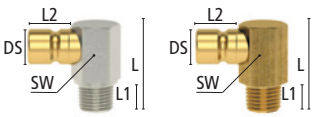
Plugs with straight female thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 f	27	17	9	15.5	13.5	9	21	ESD 14 NI*
G 3/8 f	27.5	22	10	15.5	13.5	9	32	ESD 38 NI*
G 1/2 f	29.5	24	12	15.5	13.5	9	55	ESD 12 NI*



Plugs with 90° male thread without valve (metrical thread DIN 158 / conical thread DIN 2999)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/4 m	35.5	17	11	15.5	13.5	9	45	ESD 14 NA-90*
M 14x1.5 m	35.5	17	11	15.5	13.5	9	47	ESD 1415 NA-90
R 3/8 m	35.5	17	12	15.5	13.5	9	45	ESD 38 NA-90*

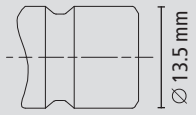


*Plugs with inch thread nickel-plated for simple distinctions

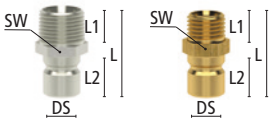
Temperature Regulation Quick Connect Couplings

Series ESD plug size 13.5 mm

DN 9

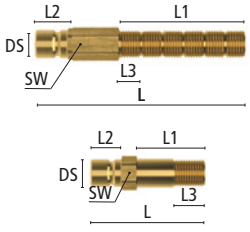


Plug Profile (original size)



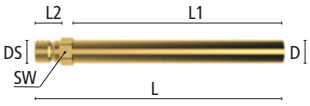
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	9.5	15.5	13.5	6	24	ESD 14 NAAB*
G 3/8 m	31	17	10.5	15.5	13.5	9	28	ESD 38 NAAB*
R 3/8 m	34	17	13.5	15.5	13.5	9	32	ESD 38 NARAB*
M 14x1.5 m	30	15	9.5	15.5	13.5	6	26	ESD 1415 NAAB
M 16x1.5 m	31	17	10.5	15.5	13.5	9	28	ESD 1615 NAAB



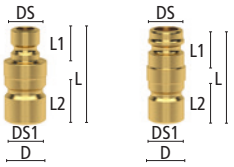
Plugs with straight male long thread without valve (for length cutting as needed)

Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/4 m	100	14	60	15.5	10	13.5	9	60	ESD 14-60 NA
G 1/4 m	57	15	34	15.5	16	13.5	9	38	ESD 14 NAL18
G 1/4 m	110	15	87	15.5	16	13.5	9	75	ESD 14 NAL71
G 3/8 m	100	17	60	15.5	10	13.5	9	91	ESD 38-60 NA
M 14x1.5 m	100	14	60	15.5	10	13.5	9	55	ESD 1415-60 NA
M 16x1.5 m	100	17	60	15.5	10	13.5	9	93	ESD 1615-60 NA



Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	15.5	13.5	9	114	ESD 150 R



Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 9 - DN 6	31	14	15.5	10.5	13.5	9.4	6	18	ESD-ESDM
DN 9 - DN 9	34	14	15.5	15.5	13.5	13.5	9	24	ESD-ESD
DN 9 - DN 9	34	14	15.5	14	13.5	13	9	24	ESD-ESH

Protection cap (plastic) for plug profile ESD	100	ESD-K

*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

plug size 13.5 mm – High Resistant Special Brass Series ESDT

with Automatic Locking Mechanism

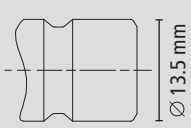
NEW!

DN 9

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of high resistance special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring



Plug Profile (original size)

Temp Secure by LÜDECKE

PATENTED • PATENTED

International Plug Profile

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C*	9	ISO 288/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	64.5	24	25	13.5	9	94	ESDT 13 TL	ESDT 13 TLAB



Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	57	24	25	13.5	9	147	ESDT 13 TL45	ESDT 13 TL45AB



Couplings with 90° standard hose stem without/with valve

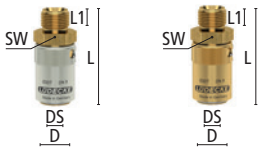
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	57	24	25	13.5	9	149	ESDT 13 TL90	ESDT 13 TL90AB



Couplings with male threads

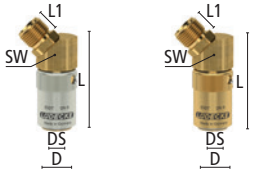
Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57.5	22	24	12.5	13.5	9	108	ESDT38AL	ESDT38ALAB
M 16x1.5 m	57.5	22	24	12.5	13.5	9	107	ESDT1615AL	ESDT1615ALAB



Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57	22	24	12.5	13.5	9	144	ESDT38AL45	ESDT38AL45AB
M 16x1.5 m	57	22	24	12.5	13.5	9	140	ESDT1615AL45	ESDT1615AL45AB



Couplings with 90° male thread without/with valve (inner cone DIN 3863)

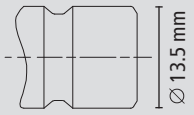
Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57	22	24	12.5	13.5	9	146	ESDT38AL90	ESDT38AL90AB
M 16x1.5 m	57	22	24	12.5	13.5	9	143	ESDT1615AL90	ESDT1615AL90AB



Other types / sizes on request!

Temperature Regulation Quick Connect Couplings
Series ESDF plug size 13.5 mm

DN 9



Plug Profile (original size)

- Couplings with flat-sealing with two-hand operation
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request).

Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-pl.
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Seals: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	Two-hands	single/double/straight-thr.	Tempered media	Coupl. 5 / Plug 10

Couplings with hose connection

Couplings with straight standard hose stem without/with valve





Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61.5	22	25	13.5	7	72	ESDF 9 TL	ESDF 9 TLAB
Hose i.D. 13	61.5	22	25	13.5	9	81	ESDF 13 TL	ESDF 13 TLAB

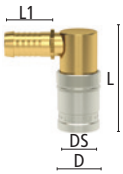
Couplings with 45° standard hose stem without/with valve

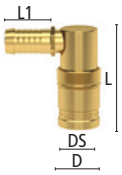




Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	103	ESDF 9 TL-45	ESDF 9 TL-45AB
Hose i.D. 13	51	22	30	13.5	9	109	ESDF 13 TL-45	ESDF 13 TL-45AB

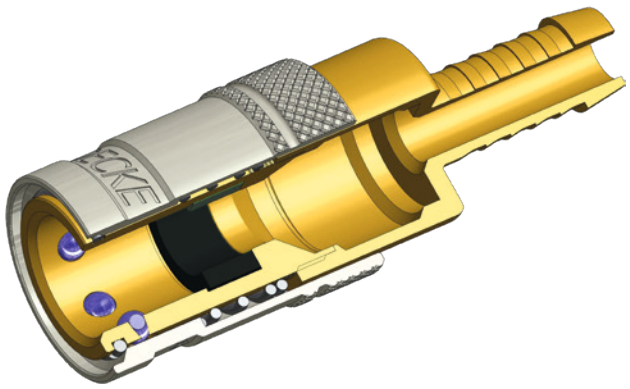
Couplings with 90° standard hose stem without/with valve





Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	105	ESDF 9 TL-90	ESDF 9 TL-90AB
Hose i.D. 13	51	22	30	13.5	9	111	ESDF 13 TL-90	ESDF 13 TL-90AB

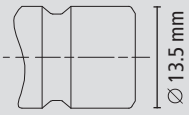
Suitable hose clips, double-ear hose clips or crimping ferrules for standard hoses (page 314 - 317)



Temperature Regulation Quick Connect Couplings

plug size 13.5 mm Series ESDF

DN 9

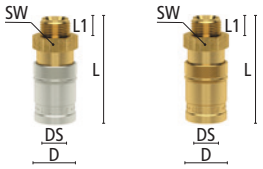


Plug Profile (original size)

Couplings with thread connection

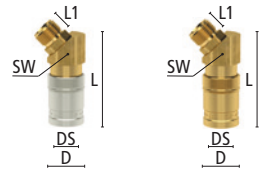
Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	22	22	9	13.5	9	90	ESDF 14 A	ESDF 14 AAB
G 3/8 m	52	22	22	11	13.5	9	94	ESDF 38 A	ESDF 38 AAB
G 1/2 m	53	24	22	12	13.5	9	95	ESDF 12 A	ESDF 12 AAB
M 16x1.5 m	52	22	22	11	13.5	9	93	ESDF 1615 A	ESDF 1615 AAB



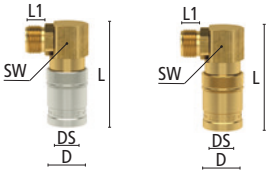
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	22	22	11	13.5	9	114	ESDF 38 A-45	ESDF 38 A-45AB
M 16x1.5 m	54	22	22	11	13.5	9	114	ESDF 1615 A-45	ESDF 1615 A-45AB



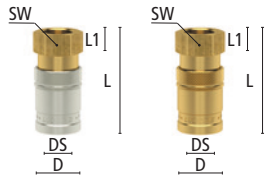
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	22	22	11	13.5	9	126	ESDF 38 A-90	ESDF 38 A-90AB
M 16x1.5 m	54	22	22	11	13.5	9	126	ESDF 1615 A-90	ESDF 1615 A-90AB



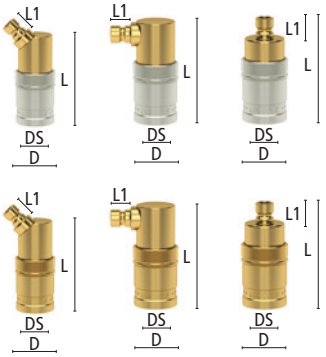
Couplings with straight female thread without/with valve

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13.5	9	75	ESDF 14 I	ESDF 14 IAB
G 3/8 f	46	22	22	9	13.5	9	84	ESDF 38 I	ESDF 38 IAB
G 1/2 f	49	24	22	12	13.5	9	110	ESDF 12 I	ESDF 12 IAB



Couplings with plug DN 6 - ESHM - Sytem Adaptor and ESH-ESDF System Adaptor

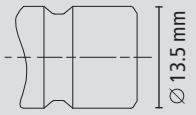
Connection	L	D	L1	DS	Passage	Version	Weight	Type No. w/o valve	Type No. w valve
DN 9 - DN 6	48	22	10.5	13.5	6	straight	85	ESDFK-ESDMS	ESDFK-ESDMS-AB
DN 9 - DN 6	54	22	10.5	13.5	6	45°	100	ESDFK-ESDMS-45	ESDFK-ESDMS-45AB
DN 9 - DN 6	54	22	10.5	13.5	6	90°	100	ESDFK-ESDMS-90	ESDFK-ESDMS-90AB
DN 9 - DN 6	51	22	14	13.5	6	straight	85	ESDFK-ESHMS	ESDFK-ESHMS-AB
DN 9 - DN 9	51	22	14	13.5	9	straight	100	ESDFK-ESHS	ESDFK-ESHS-AB



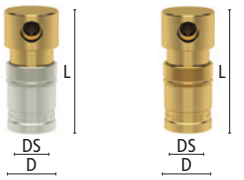
Temperature Regulation Quick Connect Couplings

Series ESDF plug size 13.5 mm

DN 9



Plug Profile (original size)



Diversion coupling for temperature regulation bridges for tube connection 90° with/without valve

Connection	L	D	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Tube 10/8	58	22	13.5	8	118	ESDF 10-U	ESDF 10-UAB



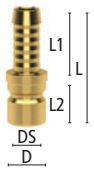
Tube (chamfered) for diversion couplings (temperature regulation tube), hardened brass

Connection	L	D	Passage	Weight	Type No.
Tube 10/8	250	10	8	60	TR 250-10
Tube 10/8	500	10	8	120	TR 500-10



Plain End Coupling

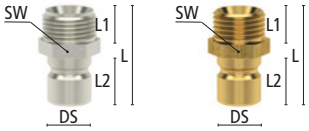
Connection	L	D	DS	Weight	Type No.
closed	37	22	13.5	67	ESDF-B



Plugs

Plugs wih standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 6	41	14.5	22.5	15.5	13.5	5	20	ESD 6 SL
Hose i.D. 9	41	14.5	22.5	15.5	13.5	7	23	ESD 9 SL
Hose i.D. 13	43.5	16	25	15.5	13.5	9	25	ESD 13 SL



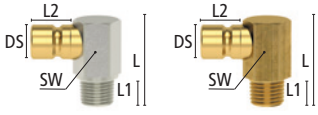
Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	27	15	7	15.5	13.5	6	16	ESD 18 NA*
G 1/4 m	29	15	9	15.5	13.5	9	17	ESD 14 NA*
R 1/4 m	32	15	12	15.5	13.5	9	21	ESD 14 NAR*
G 3/8 m	29	17	9	15.5	13.5	9	22	ESD 38 NA*
R 3/8 m	32	17	12	15.5	13.5	9	26	ESD 38 NAR*
G 1/2 m	32	22	12	15.5	13.5	9	42	ESD 12 NA*
G 3/4 m	36.5	27	16	15.5	13.5	9	77	ESD 34 NA*
M 10x1 m	27	15	7	15.5	13.5	6.5	14	ESD 101 NA
M 14x1.5 m	29	15	9	15.5	13.5	9	16	ESD 1415 NA
M 16x1.5 m	29	17	9	15.5	13.5	9	20	ESD 1615 NA



Plugs with straight female thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 f	27	17	9	15.5	13.5	9	21	ESD 14 NI*
G 3/8 f	27.5	22	10	15.5	13.5	9	32	ESD 38 NI*
G 1/2 f	29.5	24	12	15.5	13.5	9	55	ESD 12 Ni*



Plugs with 90° male thread without valve (metrical thread DIN 158 / conical thread DIN 2999)

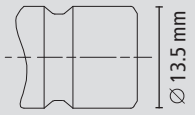
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
R 1/4 m	35.5	17	11	15.5	13.5	9	45	ESD 14 NA-90*
M 14x1.5 m	35.5	17	11	15.5	13.5	9	47	ESD 1415 NA-90
R 3/8 m	35.5	17	12	15.5	13.5	9	45	ESD 38 NA-90*

*Plugs with inch thread nickel-plated for simple distinction

Temperature Regulation Quick Connect Couplings

plug size 13.5 mm Series ESDF

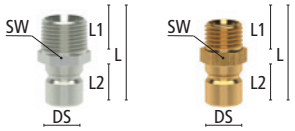
DN 9



Plug Profile (original size)

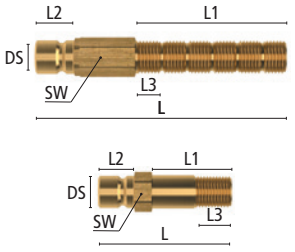
Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	9.5	15.5	13.5	6	24	ESD 14 NAAB*
G 3/8 m	31	17	10.5	15.5	13.5	9	28	ESD 38 NAAB*
R 3/8 m	34	17	13.5	15.5	13.5	9	32	ESD 38 NARAB*
M 14x1.5 m	30	15	9.5	15.5	13.5	6	26	ESD 1415 NAAB
M 16x1.5 m	31	17	10.5	15.5	13.5	9	28	ESD 1615 NAAB



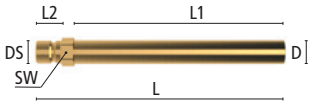
Plugs with straight male long thread without valve (for length cutting as needed)

Thread connection	L	SW	L1	L2	L3	DS	Passage	Weight	Type No.
G 1/4 m	100	14	60	15.5	10	13.5	9	60	ESD 14-60 NA
G 1/4 m	57	15	34	15.5	16	13.5	9	38	ESD 14 NAL18
G 1/4 m	110	15	87	15.5	16	13.5	9	75	ESD 14 NAL71
G 3/8 m	100	17	60	15.5	10	13.5	9	91	ESD 38-60 NA
M 14x1.5 m	100	14	60	15.5	10	13.5	9	55	ESD 1415-60 NA
M 16x1.5 m	100	17	60	15.5	10	13.5	9	93	ESD 1615-60 NA



Plug Tubes for countersunk mould threads

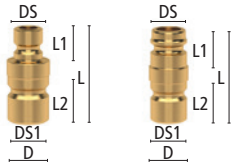
D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	15.5	13.5	9	114	ESD 150 R



System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 9 - DN 6	31	14	15.5	10.5	13.5	9.4	6	18	ESD-ESDM
DN 9 - DN 9	34	14	15.5	15.5	13.5	13.5	9	24	ESD-ESD
DN 9 - DN 9	34	14	15.5	14	13.5	13	9	24	ESD-ESH

Protection cap (plastic) for plug profile ESD	100	ESD-K



*Plugs with inch thread nickel-plated for simple distinction


STÄUBLI
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Overview Original STÄUBLI RPL Series

The Original STÄUBLI RPL Series is perfectly suitable for cold or hot water circuits for the temperature regulation in moulds on injection presses. They are offered in different sizes, connection types and with different coloured rings.

Series	RPL 06	RPL 08	RPL 12
			
Materials:			
Body:	Brass nickel-pl.	Brass nickel-pl.	Brass nickel-pl.
Sleeve:	Brass nickel-pl.	Brass nickel-pl.	Brass nickel-pl.
Valve bodyr:	Brass nickel-pl.	Brass nickel-pl.	Brass nickel-pl.
Springs, Retaining ring:	Stainless steel 1.4310	Stainless steel 1.4310	Stainless steel 1.4310
Balls:	Stainless steel 1.4034	Stainless steel 1.4034	Stainless steel 1.4034
Seals:	Nitril (NBR)	Nitril (NBR)	Nitril (NBR)
Socket:	Brass nickel-pl.	Brass nickel-pl.	Brass nickel-pl.
Max. Working Pressure:	PN 10 bar	PN 10 bar	PN 10 bar
Temperature:	-15°C– +90°C	-15°C– +90°C	-15°C– +90°C
Thread Types:	ISO 2999, ISO 228, DIN 13	ISO 2999, ISO 228, DIN 13	ISO 2999, ISO 228, DIN 13
Connection:	straight	straight/45°/90°	straight/45°/90°
Type of Valve:	straight-through	straight-through	straight-through
Operation:	One-hand	One-hand	One-hand
Page:	141	142	145

Accessories for Original Stäubli Quick Connect Couplings:

- Replacement Nitril seals for plugs
- Colour identification collar for hose
- Protective dust cap for socket

Temperature Regulation Quick Connect Couplings
ORIGINAL STÄUBLI

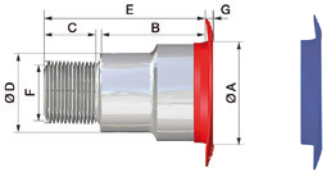
RPL 06

- Temperature regulation of mould tools for injection moulding
- For temperature regulation applications with hot or cold water
- Straight-through (free circulation guaranteed) with high flow rate and compact design
- Easy circuit identification
- Self-sealing and immediate effective sealing
- Safe and fast controlled connection through coloured rings

Materials

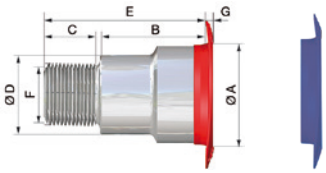
- Couplings, plugs: Brass nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Nitril (NBR), FKM O-rings also available on request

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media
PN 10 bar	-15°C – +90° C	6	DIN 2999 / ISO 228 / DIN 13	One-hand	straight-through	Water



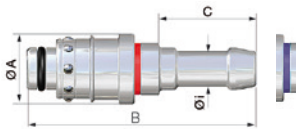
Straight socket with tapered male thread and self-sealing Teflon coating

F Thr. connect.	ØA	B	C	ØD	E	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
R 1/8 m	17	18.5	7.5	14	28.5	1.5	6	14.7	10	RPL 06.1150/KR	RPL 06.1150/KB
R 1/4 m	17	15.5	11	14	28.5	1.5	6	18.4	10	RPL 06.1151/KR	RPL 06.1151/KB



Straight socket with metric male thread

F Thr. connect.	ØA	B	C	ØD	E	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
M 10x1 m	17	18.5	8	14	28.5	1.5	6	15.4	10	RPL 06.1410/KR	RPL 06.1410/KB



Plug with standard hose stem

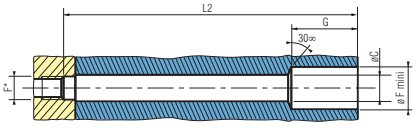
Hose connection	Øi	ØA	B	C	Weight		Type No. RED	Type No. BLUE
Hose i.D. 8	8	17	55	23	31.2	1	RPL 06.6808/KR	RPL 06.6808/KB

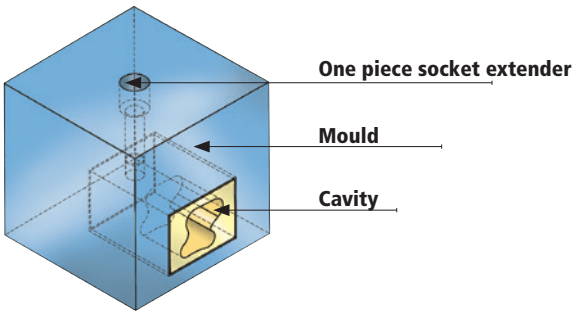


Extended socket: smooth version

Thr.connect.	L	ØA	ØB	L2	G	ØC	ØFmin	Innen-⬡SW	Weight		Type No. RED	Type No. BLUE
R 1/8	33/100	17	10.2	L-5.5	20	11	18.5	6	48.9	10	RPL061010100KRR	RPL061010100KBR

Installation of the sockets extenders

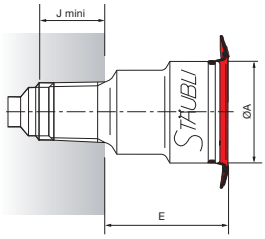




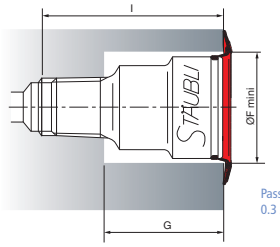
Installation dimensions for the socket

Thread connection	ØA	E	Jmin.	ØFmin.	G	I	Inner-⬡Hex.
G 1/8 f	17	20	10	18.5	20.5	29.5	6
G 1/4 f	17	18	13	18.5	18.5	30.5	6

Proud socket



Flush socket



Temperature Regulation Quick Connect Couplings
ORIGINAL STÄUBLI

RPL 08

- Temperature regulation of mould tools for injection moulding
- For temperature regulation applications with hot or cold water
- Straight-through (free circulation guaranteed) with high flow rate and compact design
- Easy circuit identification
- Self-sealing and immediate effective sealing
- Safe and fast controlled connection through coloured rings

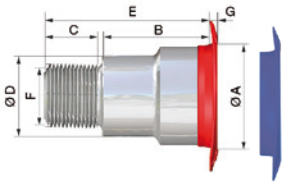
Materials

- Couplings, plugs: Brass nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Nitril (NBR), FKM O-rings also available on request

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media
PN 10 bar	-15°C – +90° C	7.5	DIN 2999 / ISO 228 / DIN 13	One-hand	straight-through	Water

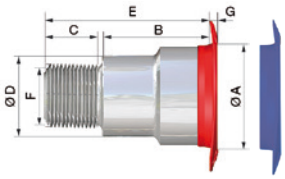
Straight socket with tapered male thread and self-sealing Teflon coating

F Thr. connect.	ØA	B	C	ØD	E	G	Innen-⬡SW	Weight		Type No. RED	Type No. BLUE
R 1/8 m	21	22	8	17.5	32	1.5	6	27.6	10	RPL 08.1150/KR	RPL 08.1150/KB
R 1/4 m	21	21	10	17.5	33	1.5	8	29.1	10	RPL 08.1151/KR	RPL 08.1151/KB
R 3/8 m	21	11	11	-	24	1.5	8	22.3	10	RPL 08.1152/KR	RPL 08.1152/KB



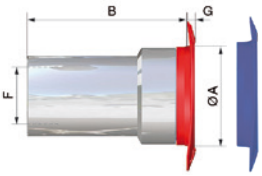
Straight socket with metric male thread

F Thr. connect.	ØA	B	C	ØD	E	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
M 10x1 m	21	22	8	17.5	32	1.5	6	28.7	10	RPL 08.1410/KR	RPL 08.1410/KB
M 10x1.5 m	21	22	8	17.5	32	1.5	6	27.1	10	RPL 08.1411/KR	RPL 08.1411/KB
M 14x1.5 m	21	21	8	17.5	32	1.5	8	29.4	10	RPL 08.1414/KR	RPL 08.1414/KB



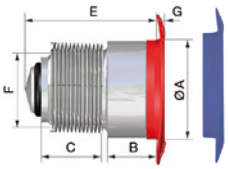
Straight socket with cylindrical female thread

F Thr. connect.	ØA	B	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
G 1/8 f	21	35	1.5	6	44.7	10	RPL 08.1100/KR	RPL 08.1100/KB
G 1/4 f	21	39	1.5	8	43.8	10	RPL 08.1101/KR	RPL 08.1101/KB



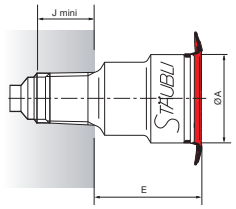
Straight socket with tapered male thread with valve and self-sealing teflon coating

F Thr. connect.	ØA	B	C	E	G	Weight		Type No. RED	Type No. BLUE
R 3/8 m	21	11	16	29	1.5	26.3	10	RPL081152ONJVKR	RPL081152ONJVKB

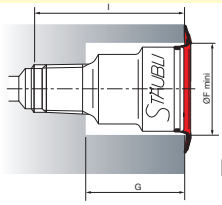


Installation dimensions for the socket

Thr. Connect	ØA	E	Jmin.	ØFmin.	G	I	Inner-⬡Hex.
G 1/8 f	21	23	10	22.5	24	33	6
G 1/4 f	21	22	12	22.5	23	34	8
G 3/8 f	21	12	13	22.5	13	25	8

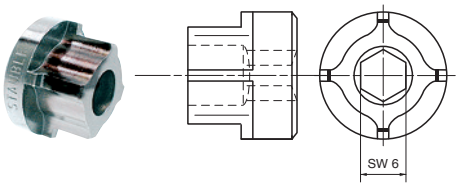


Proud socket

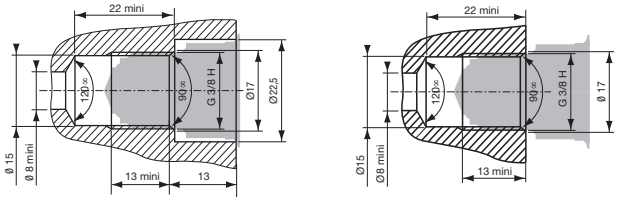


Flush socket

Installation tool for RPL 08/ON	Weight	Type No.
	1 18	RPL 08.9000

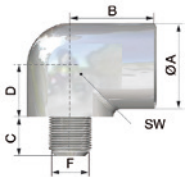


Installation dimensions of the RPL 08/ON socket into the mould max. tightening torque: 15 to 20 N.m



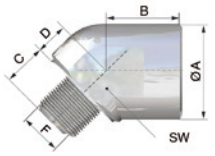
Temperature Regulation Quick Connect Couplings
ORIGINAL STÄUBLI

RPL 08



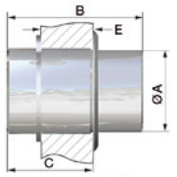
Socket 90° with tapered male thread

F Thread connection	ØA	B	C	D	SW	Weight		Type No.
R 1/8 m	22	22	10	13	19	72.3	1	RPL 08.1150RE
R 1/4 m	22	22	12	13	19	74.3	1	RPL 08.1151RE
R 3/8 m	22	22	13	13	19	80.0	1	RPL 08.1152RE



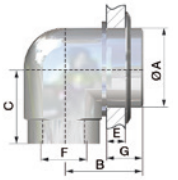
Socket 45°/135° with tapered male thread

F Thread connection	ØA	B	C	D	SW	Weight		Type No.
R 1/8 m	22	18.5	10	6.5	19	49.4	1	RPL 08.1150RO
R 1/4 m	22	18.5	12	4.5	19	47.4	1	RPL 08.1151RO
R 3/8 m	22	18.5	12	4.5	19	60.3	1	RPL 08.1152RO



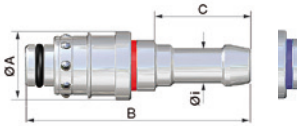
Panel/plate mounted straight socket

ØA	B	C	E max.	SW	Weight		Type No.
22	35	23	10	19	57.9	1	RPL 08.2000



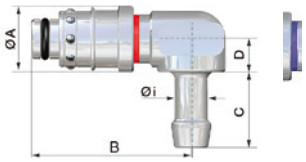
Panel/plate mounted socket 90° with cylindrical female thread

F Thread connection	ØA	B	C	E max.	G	Weight		Type No.
G 1/4 f	22	22	21	6.5	10	78.7	1	RPL 08.2101RE



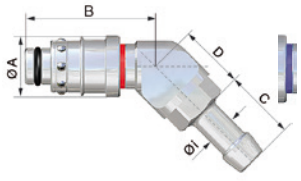
Straight plug for standard hose stem

Hose connection	Øi	A	L	C	Weight		Type No. RED	Type No. BLUE
Hose i.D. 6	6	20	66	28	49.5	1	RPL 08.6806/KR	RPL 08.6806/KB
Hose i.D. 8	8	20	66	28	50.9	1	RPL 08.6808/KR	RPL 08.6808/KB
Hose i.D. 10	10	20	66	28	53.1	1	RPL 08.6810/KR	RPL 08.6810/KB
Hose i.D. 13	12.5	20	66	28	62.3	1	RPL 08.6812/KR	RPL 08.6812/KB



Plug 90° for standard hose stem

Hose connection	Øi	ØA	L	C	D	Weight		Type No. RED	Type No. BLUE
Hose i.D. 6	6	20	48.5	28	23.5	115.0	1	RPL 08.6806REKR	RPL 08.6806REKB
Hose i.D. 8	8	20	48.5	23	23.5	117.4	1	RPL 08.6808REKR	RPL 08.6808REKB
Hose i.D. 10	10	20	48.5	23	10	97.3	1	RPL 08.6810REKR	RPL 08.6810REKB
Hose i.D. 13	12.5	20	48.5	28	10	103.9	1	RPL 08.6812REKR	RPL 08.6812REKB



Plug 45°/135° for standard hose stem

Hose connection	Øi	ØA	B	C	D	Weight		Type No. RED	Type No. BLUE
Hose i.D. 6	6	20	43	28	21	106.1	1	RPL 08.6806ROKR	RPL 08.6806ROKB
Hose i.D. 8	8	20	43	23	21	106.7	1	RPL 08.6808ROKR	RPL 08.6808ROKB
Hose i.D. 10	10	20	43	23	21	107.4	1	RPL 08.6810ROKR	RPL 08.6810ROKB
Hose i.D. 13	12.5	20	43	28	21	120.0	1	RPL 08.6812ROKR	RPL 08.6812ROKB

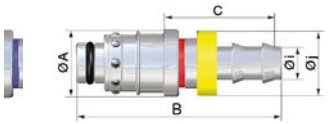
Temperature Regulation Quick Connect Couplings

ORIGINAL STÄUBLI

RPL 08

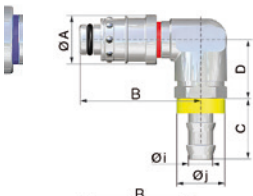
Straight plug with quick fit hose stem for self-locking hoses

Hose connect.	Øi	ØA	L	C	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 10	3/8"	20	62	24.5	19.5	50.9	1	RPL 08.6810CNKR	RPL 08.6810CNKB
Hose i.D. 13	1/2"	20	69	29	23.5	59.6	1	RPL 08.6813CNKR	RPL 08.6813CNKB



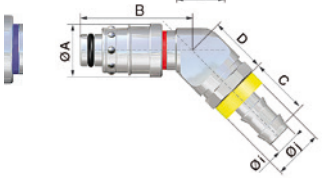
Plug 90° with quick fit hose stem for self-locking hoses - Hose fitting brass plain

Hose connect.	Øi	ØA	L	C	D	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 10	3/8"	20	48.5	24.5	23.5	19.5	117.3	1	RPL086810CNREKR	RPL086810CNREKB
Hose i.D. 13	1/2"	20	48.5	29	25.5	23.5	127.0	1	RPL086813CNREKR	RPL086813CNREKB



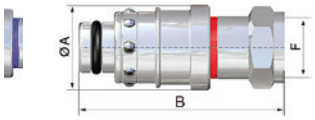
Plug 45° with quick fit hose stem for self-locking hoses- Hose fitting brass plain

Hose connect.	Øi	ØA	L	C	D	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 10	3/8"	20	43	24.5	21	19.5	106.3	1	RPL086810CNROKR	RPL086810CNROKB
Hose i.D. 13	1/2"	20	43	29	23	23.5	116.4	1	RPL086813CNROKR	RPL086813CNROKB



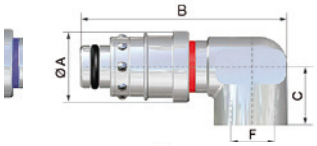
Straight plug female with cylindrical thread

F Thr. connect.	ØA	L	Weight		Type No. RED	Type No. BLUE
G 1/4 f	20	48.5	48.6	1	RPL 08.6101/KR	RPL 08.6101/KB



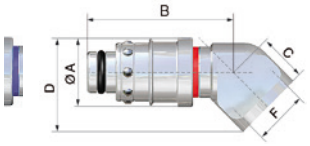
Plug 90° female cylindrical thread

F Thr. connect.	ØA	L	C	E	Weight		Type No. RED	Type No. BLUE
G 1/4 f	20	48.5	16.5	31	89.6	1	RPL 08.6101REKR	RPL 08.6101REKB



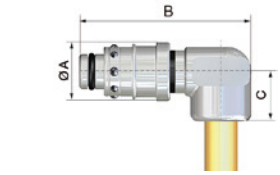
Plug 45° with cylindrical female thread

F Thr. connect	ØA	L	C	D	Weight		Type No. RED	Type No. BLUE
G 1/4 f	20	43	14	27.5	81.2	1	RPL 08.6101ROKR	RPL 08.6101ROKB



RPL 08 bridge socket for temperature regulation bridges 90°

For tube o.D.	ØA	L	C	Weight		Type No.
11	20	59	17	95.9	1	RPL 08.6000RE



Tube	Weight		Type No.
available tube length = 1 Meter	39.11	1	R 113 910 00

Tube preparation

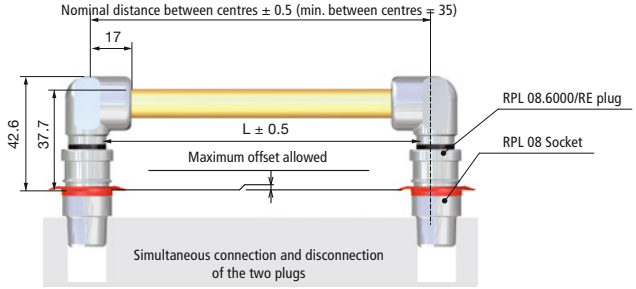
Max. admissible offset allowed = nominal distance between centres x 0.02

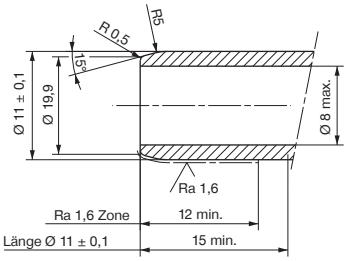
Machining of the ends:

Tube length L = (nominal distance between centres –10) ± 0.5

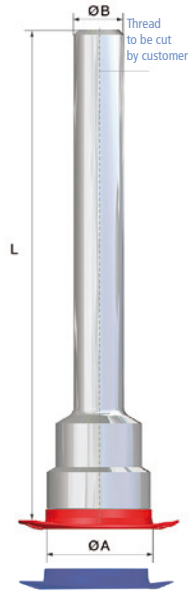
E.g.: distance = 100 mm

L = (100 - 10) ± 0.5 = 90 ± 0.5



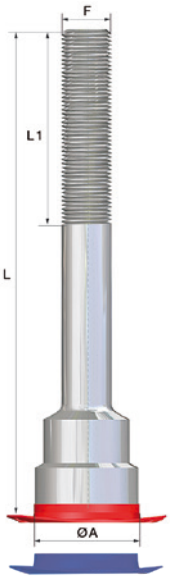


Temperature Regulation Quick Connect Couplings
ORIGINAL STÄUBLI
RPL 08



Monobloc extended socket: with smooth finish

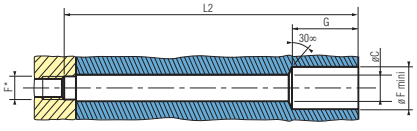
Thread-Connection	L	ØA	ØB	L2	G	ØC	ØFmin	Inner-⎔Hex.	Weight		Type No. RED	Type No. BLUE
R 1/8	33/100	21	10.2	L-5.5	23	11	22.5	6	10	1	RPL081010100KRR	RPL081010100KBR
R 1/8	100/150	21	10.2	L-5.5	23	11	22.5	6	10	1	RPL081010150KRR	RPL081010150KBR
R 1/8	150/200	21	10.2	L-5.5	23	11	22.5	6	10	1	RPL081010200KRR	RPL081010200KBR
R 1/8	200/250	21	10.2	L-5.5	23	11	22.5	6	10	1	RPL081010250KRR	RPL081010250KBR
R 1/4	34/100	21	13.5	L-7.5	23	14	22.5	8	30	1	RPL081011100KRR	RPL081011100KBR
R 1/4	100/150	21	13.5	L-7.5	23	14	22.5	8	30	1	RPL081011150KRR	RPL081011150KBR
R 1/4	150/200	21	13.5	L-7.5	23	14	22.5	8	30	1	RPL081011200KRR	RPL081011200KBR
R 1/4	200/250	21	13.5	L-7.5	23	14	22.5	8	30	1	RPL081011250KRR	RPL081011250KBR

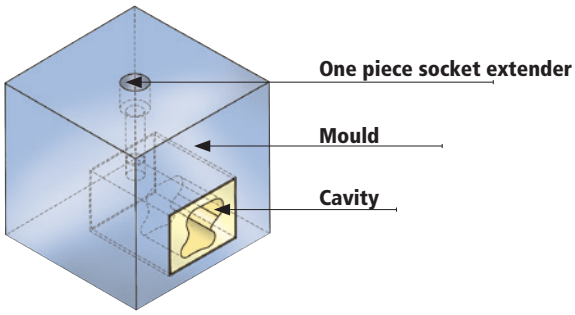


Monobloc extended socket with cylindrical male threads

Thread-Connection	L	L1	Øa	L2	G	ØC	ØFmin	Inner-⎔Hex.	Weight		Type No. RED	Type No. BLUE
G 1/8 m	34/50	26	21	L-5.5	23	11	22.5	6	31.3	1	RPL08101050KRRF	RPL08101050KBRF
G 1/8 m	50/100	60	21	L-5.5	23	11	22.5	6	46.6	1	RPL81010100KRRF	RPL81010100KBRF
G 1/8 m	100/150	60	21	L-5.5	23	11	22.5	6	65.7	1	RPL81010150KRRF	RPL81010150KBRF
G 1/4 m	38.5/50	26.5	21	L-7.5	23	14	22.5	8	38.3	1	RPL08101150KRRF	RPL08101150KBRF
G 1/4 m	55/100	60	21	L-7.5	23	14	22.5	8	68.2	1	RPL81011100KRRF	RPL81011100KBRF
G 1/4 m	105/150	60	21	L-7.5	23	14	22.5	8	102.0	1	RPL81011150KRRF	RPL81011150KBRF
G 1/4 m	155/200	60	21	L-7.5	23	14	22.5	8	137.0	1	RPL81011200KRRF	RPL81011200KBRF

Installation of the sockets extenders into the mould





Temperature Regulation Quick Connect Couplings

ORIGINAL STÄUBLI

RPL 12

- Temperature regulation of mould tools for injection moulding
- For temperature regulation applications with hot or cold water
- Straight-through (free circulation guaranteed) with high flow rate and compact design
- Easy circuit identification
- Sockets with tapered male threads and Teflon coating guarantee self-sealing and immediate effective sealing
- Safe and fast controlled connection through coloured rings

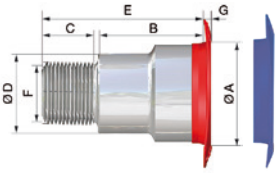
Materials

- Couplings, plugs: Brass nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Nitrile (NBR), FKM O-rings also available on request

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media
PN 10 bar	-15°C – +90° C	12	DIN 2999 / ISO 228 / DIN 13	One-hand	straight-through	Water

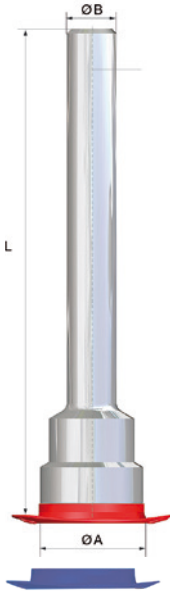
Straight socket with tapered male thread and self-sealing Teflon coating

F Thr. Connect.	ØA	B	C	ØD	E	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
R 3/8 m	32	28	11	25	41	2	10	66.8	1	RPL 12.1152/KR	RPL 12.1152/KB
R 1/2 m	32	28	14	25	44	2	14	72.1	1	RPL 12.1153/KR	RPL 12.1153/KB
R 3/4 m	32	13	16.5	–	32	2	14	63.0	1	RPL 12.1154/KR	RPL 12.1154/KB



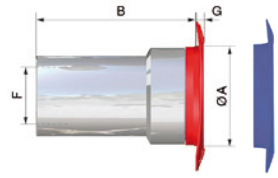
Monobloc extended sockets: smooth finish

Thr. Cont.	L	ØA	ØB	L2	G	ØC	ØFmin	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
R 3/8 f	56/150	32	17.2	L-8.5	43	18	33.5	14	196.2	1	RPL121002150KRR	RPL121002150KBR
R 3/8 f	150/200	32	17.2	L-8.5	43	18	33.5	14	245.7	1	RPL121002200KRR	RPL121002200KBR
R 3/8 f	200/250	32	17.2	L-8.5	43	18	33.5	14	288.0	1	RPL121002250KRR	RPL121002250KBR
R 1/2 f	59/150	32	21.3	L-11.5	45	22	33.5	14	309.0	1	RPL121003150KRR	RPL121003150KBR
R 1/2 f	150/200	32	21.3	L-11.5	45	22	33.5	14	411.6	1	RPL121003200KRR	RPL121003200KBR
R 1/2 f	200/250	32	21.3	L-11.5	45	22	33.5	14	514.9	1	RPL121003250KRR	RPL121003250KBR



Socket with straight cylindrical female thread

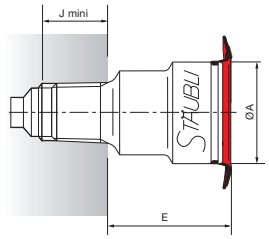
F Thr. Connect.	ØA	B	G	Inner-⬡Hex.	Weight		Type No. RED	Type No. BLUE
G 3/8 f	32	49	1.5	12	108.2	1	RPL 12.1102/KR	RPL 12.1102/KB
G 1/2 f	32	50	1.5	12	93.7	1	RPL 12.1103/KR	RPL 12.1103/KB



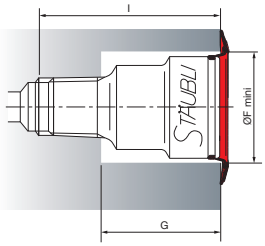
Installation dimensions for the socket

Thread connection	ØA	E	Jmin.	ØFmin.	G	I	Inner-⬡Hex.
G 3/8 f	32	29	13	33.5	30	42	10
G 1/2 f	32	30	15	33.5	31	45	14
G 3/4 f	32	15	18	33.5	20	36	14

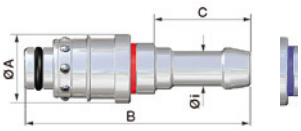
Proud socket



Flush socket

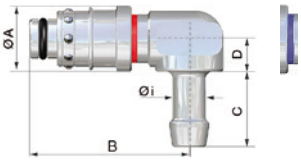


Temperature Regulation Quick Connect Couplings
ORIGINAL STÄUBLI
RPL 12



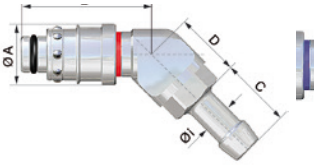
Straight plug with standard hose stem

Hose Connect.	Øi	ØA	L	C	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	13	28	78	33	129.9	1	RPL 12.6813/KR	RPL 12.6813/KB
Hose i.D. 16	16	28	78	33	129.9	1	RPL 12.6816/KR	RPL 12.6816/KB



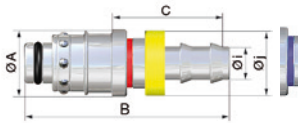
Plug 90° with standard hose stem

Hose Connect.	Øi	ØA	L	C	D	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	13	28	75.5	33	27	129.9	1	RPL 12.6813REKR	RPL 12.6813REKB
Hose i.D. 16	16	28	75.5	33	27	139.5	1	RPL 12.6816REKR	RPL 12.6816REKB



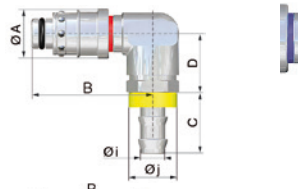
Plug 45° with standard hose stem

Hose Connect.	Øi	ØA	L	C	D	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	13	28	72	33	24	243.3	1	RPL 12.6813ROKR	RPL 12.6813ROKB
Hose i.D. 16	16	28	72	33	24	255.9	1	RPL 12.6816ROKR	RPL 12.6816ROKB



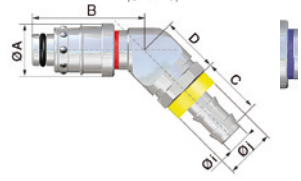
Straight plug with quick fit hose stem for self-locking hoses

Hose Connect.	Øi	ØA	L	C	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	1/2"	28	74	29	23.5	233.2	1	RPL 12.6813CNKR	RPL 12.6813CNKB
Hose i.D. 16	5/8"	28	81.5	36.5	27	245.9	1	RPL 12.6816CNKR	RPL 12.6816CNKB



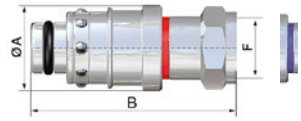
Plug 90° with quick fit hose stem for self locking hoses- Hose fitting plain

Hose Connect.	Øi	ØA	L	C	D	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	1/2"	28	75.5	29	30.5	23.5	126.7	1	RPL126813CNREKR	RPL126813CNREKB
Hose i.D. 16	5/8"	28	75.5	36.5	30	27	143.2	1	RPL126816CNREKR	RPL126816CNREKB



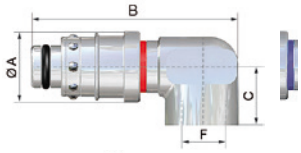
Plug 45° with quick fit hose stem for self-locking hoses- Hose fitting plain

Hose Connect.	Øi	ØA	L	C	D	Øj	Weight		Type No. RED	Type No. BLUE
Hose i.D. 13	1/2"	28	72	29	27.5	23.5	246.3	1	RPL126813CNROKR	RPL126813CNROKB
Hose i.D. 16	5/8"	28	72	36.5	27	27	256.6	1	RPL126816CNROKR	RPL126816CNROKB



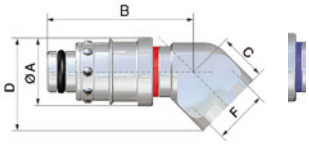
Straight plug with cylindrical female thread

F Thread connection	ØA	L	Weight		Type No. RED	Type No. BLUE
G 1/2 f	28	61	136.6	1	RPL 12.6103/KR	RPL 12.6103/KB



Plug 90° with cylindrical female thread

F Thread connection	ØA	L	C	E	Weight		Type No. RED	Type No. BLUE
G 3/8 f	28	75.5	20	52.9	199.2	1	RPL 12.6102REKR	RPL 12.6102REKB



Plug 45° with cylindrical female thread

F Thread connection	ØA	L	C	D	Weight		Type No. RED	Type No. BLUE
G 3/8 f	28	72	17	33	188.1	1	RPL 12.6102ROKR	RPL 12.6102ROKB

Temperature Regulation Quick Connect Couplings Accesories for *ORIGINAL* STÄUBLI

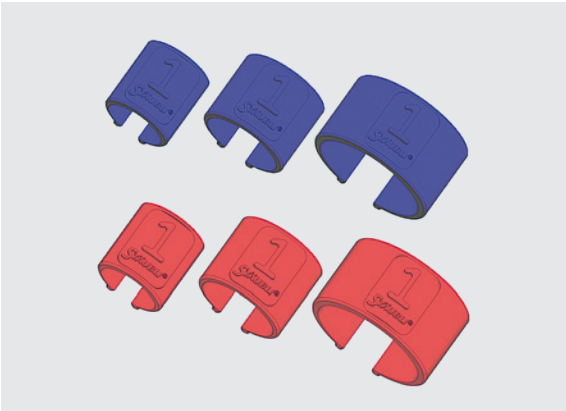
Replacement Nitril Seal for Plug



Packaging: sachets of 10

Model		Type No.
RPL 06	10	R 603 507 11
RPL 08	10	R 600 007 11
RPL 12	10	R 600 011 10

Colour Identification Collar for Hose



Colour identification collars for different hose dimensions (13 to 28 mm) in red or blue with various numbers (0 to 9) on request.

Packaging: sachets of 25 red or blue collars with the same number.

Protective Dust Cap for Socket



only for series RPL 08

Ensure cleanliness of your circuit

Material		Type No.
PE yellow	100	RPL 08.8500100

Stäubli reserves the right to make changes to their products, technical data, versions and accessories without advanced warning.

SoftFlow Material Conveying Quick Connect Couplings

made of Stainless Steel 1.4305

DN 41

- High quality quick coupling system for pressure or vacuum-conveying of bulk material or liquids, i.e. for vacuum-conveying of granulate materials in the plastics industry
- Less abrasion due to coupling body made of stainless steel
- Coupling sleeve, plug and cap made of aluminium (hard coated)
- Full, straight-through passage without profile narrowing
- Light weight, easy to handle
- Quick coupling principle with ball shut-off for easy operation
- Easy manual replacement of sealing rings
- Perfectly adapted hose stems for PVC- or polyurethane spiral-suction hoses
- Plug and coupling for tube connection with double O-ring sealing and fixing with screw

Max. Working Pressure	Temperature	DN	Operation	Type of valve	Vacuum	Media	
PN 10 bar	-15° – +95° C	41	Two-hands	Straight-through	Vacuum	Plastic granulate	1



SoftFlow Coupling with hose stem

Hose connection	L	D	L1	DS	Passage	Weight	Type No.
Hose i.D. 38	82	65	45	49	34	340	GRK 38 T
Hose i.D. 40	82	65	45	49	36	340	GRK 40 T
Hose i.D. 45	82	65	45	49	41	340	GRK 45 T
Hose i.D. 50	82	65	45	49	41	360	GRK 50 T

For hose clips type HS/ HSE (page 315, 316)



SoftFlow Vacuum-Coupling for tube connection*

Connection	L	D	L1	DS	Passage	Weight	Type No.
Tube AD 38	70	65	30	49	34	480	GRK 38 R
Tube AD 40	70	65	30	49	36	480	GRK 40 R
Tube AD 45	70	65	30	49	41	520	GRK 45 R
Tube AD 50	70	65	30	49	41	580	GRK 50 R



SoftFlow Coupling with female thread

Thread connection	SW	L	D	L1	DS	Passage	Weight	Type No.
G 1 1/2 f	55	68	65	19	49	41	560	GRK 15 I
G 2 f	60	68	65	19	49	41	650	GRK 20 I



SoftFlow Cap Coupling with chain

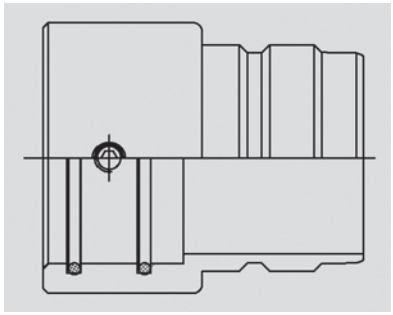
L	D	DS	Length chain	Weight	Type No.
48	68	49	170	320	GRK-V

Original Sealing Ring for couplings

Type	Size	Material		Weight	Type No.
O-ring	45 x 5	Buna N	10	6	GRK-D

Adapted hose stems for other hose dimensions/ types on request





Materials

- Sleeve: Aluminium (hard coated)
- Valve body, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4304
- O-ring: Buna N
- Screw: Stainless steel 1.4301
- Cap plug: Aluminium (hard coated)

DN 41

SoftFlow Plug with hose stem

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 38	83	55	45	36	49	34	310	GRS 38 T
Hose i.D. 40	83	55	45	36	49	36	315	GRS 40 T
Hose i.D. 45	83	55	45	36	49	41	330	GRS 45 T
Hose i.D. 50	83	55	45	36	49	41	360	GRS 50 T

For hose clips type HS/ HSE (page 315, 316)



SoftFlow Vacuum-Plug for tube connection*

Connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Tube AD 38	68.5	58	30	36	49	34	360	GRS 38 R
Tube AD 40	68.5	58	30	36	49	36	370	GRS 40 R
Tube AD 45	68.5	58	30	36	49	41	385	GRS 45 R
Tube AD 50	68.5	58	30	36	49	41	420	GRS 50 R

* Attention: Only suitable for vacuum applications, sealing with O-ring, fixing with screw



SoftFlow Plug with female thread

Thread connection	SW	L	D	L1	L2	DS	Passage	Weight	Type No.
G 1 1/2 f	55	65	59	19	36	49	41	350	GRS 15 I
G 2 f	60	65	59	19	36	49	41	380	GRS 20 I

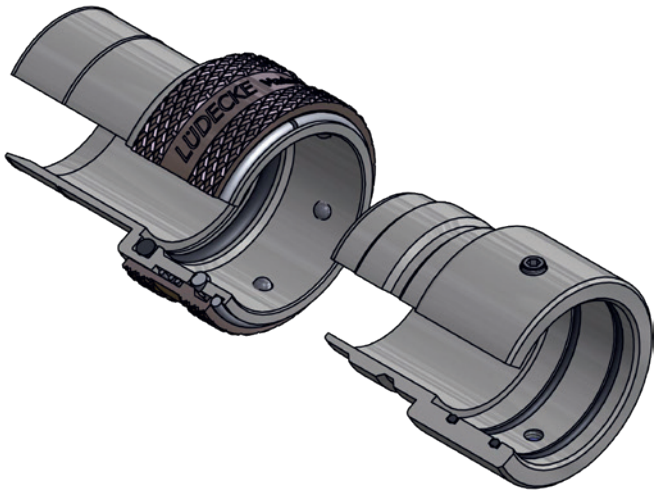


SoftFlow Cap Plug with chain

L	D	L1	DS	Length chain	Weight	Type No.
60	58	36	49	170	195	GRS-V

Special types/versions, i.e. with bulkhead-screwing, plug or colour codings, other sizes on request





Manifolds for Temperature Regulation Lines

made of Aluminium (Anodised) and Stainless Steel 1.4401

- Manifolds, aluminium blue and red anodised or stainless steel 1.4401, for a clearly arranged composition of flow and reflux as close as possible to the mould tool, for a direct assembly to the machine
- Increases the working and production safety through its clearly arranged composition of temperature regulation lines, saves energy and hose lines because of central inlet of the temperature regulation media into the machine
- A central inflow from and outflow to the temperature regulation tool, as many outlets as necessary to the mould tool because of the modular construction and different lengths
- Profile can be extended or combined as often as desired due to the bar connector system
- Stainless steel manifolds mainly for applications with aggressive media
- Lateral inlet thread G 3/4 f, top outlet thread 1/4 f for coupling Series DN 6 and DN 9
- Other types / versions on request

Materials

- Manifold: Aluminium anodised/ Stainless steel 1.4401 • Plain End Plug: Brass MS 58

Max. Working Pressure	Temperature	Thread	Media	
PN 15 bar	-20°C – +200°C	ISO 228	Tempered media	1







Aluminium Manifolds

G*	G1**	L	B	L1	L2	L3	L4	ØC	A	D	B1	Colour	Weight	Type No.
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	blue	500	VB 34144-190 B
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	red	500	VB 34144-190 R
2 x G 3/4 f	6 x G 1/4 f	266	43.5	151.6	30	41.5	57.2	4.5	41.3	38	31	blue	700	VB 34146-266 B
2 x G 3/4 f	6 x G 1/4 f	266	43.5	151.6	30	41.5	57.2	4.5	41.3	38	31	red	700	VB 34146-266 R
2 x G 3/4 f	8 x G 1/4 f	342	43.5	227.6	30	41.5	57.2	4.5	41.3	38	31	blue	900	VB 34148-342 B
2 x G 3/4 f	8 x G 1/4 f	342	43.5	227.6	30	41.5	57.2	4.5	41.3	38	31	red	900	VB 34148-342 R
2 x G 3/4 f	10 x G 1/4 f	418	43.5	303.6	30	41.5	57.2	4.5	41.3	38	31	blue	1100	VB 341410-418 B
2 x G 3/4 f	10 x G 1/4 f	418	43.5	303.6	30	41.5	57.2	4.5	41.3	38	31	red	1100	VB 341410-418 R

Manifolds of Stainless Steel 1.4401

G*	G1**	L	B	L1	L2	L3	L4	ØC	A	D	B1	Weight	Type No.
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	1490	VBE 34144-190

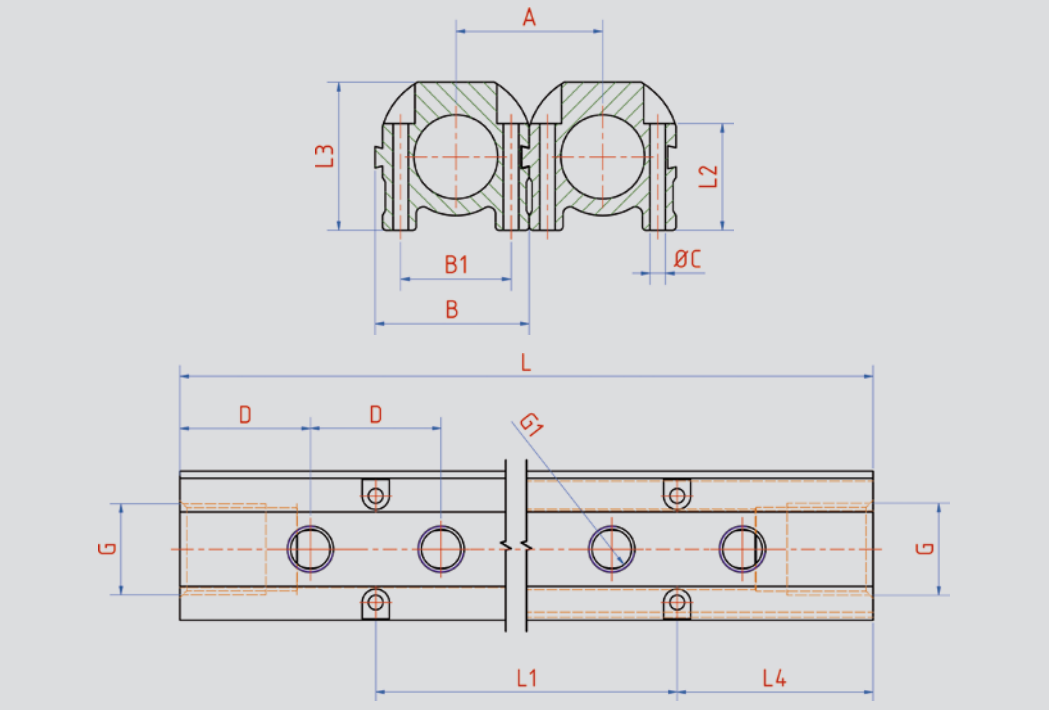
Plain End Plug for Manifolds

Thread	Inner Hexagon		Weight	Type No.
G 3/4 m	SW 12	5	80	VBS-34

*Thread connection on the side

**Thread connection on the top

3- and 4-way Manifolds of brass – (page 78)



Colour Coding

- Easy identification and distinction between flow and return lines of the tempered circuit with red or blue anodised colour coding (for the series ESHM, ESHME, ESH, ESHE)
- Surcharge per piece and a minium order quantity of 20 pieces/type. When ordering, simply add to a standard article number "R" or "B" (e.g. ESH 13 TLR or ESHM 9 TALBB)
- The rings are also available for self-assembly. Simply slide the ring on the coupling sleeve for identification!

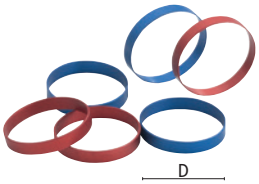
Materials

- Colour coding: Aluminium anodised

Marking rings for temperature regulation couplings

for coupling type	D	Colour		Weight	Type No.
ESHME,ESHM (DN 6)	17	red	50	1	**ESHM-CR-R**
ESHME,ESHM (DN 6)	17	blue	50	1	**ESHM-CR-B**
ESHE,ESH (DN 9)	22	red	50	2	**ESH-CR-R**
ESHE,ESH (DN 9)	22	blue	50	2	**ESH-CR-B**

Other coupling series available on request.



Screwings and Components

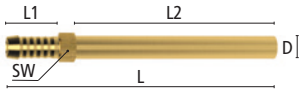
made of Brass MS 58 plain

- For temperature regulation applications with hot or cold water as well as tempered oil
- Hose connections available with standard hose stem for standard hoses or quick-fit stem profile for quick-fit hoses

Materials

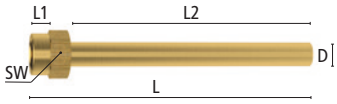
- Screwings, components: Brass MS 58 plain

Max. Working Pressure	Temperature	Thread	Inner Cone	Media
PN 15 bar	-20°C – +200°C	ISO 228 / DIN 13	DIN 3863	Tempered media



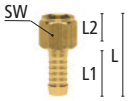
Standard hose stem tubes for counter-sunk mould threads

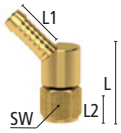
Thread connection	L	SW	D	L1	L2	Passage		Weight	Type No.
Hose i.D. 9	120	11	10	22.5	90.5	6	5	50	ESHM 120 RS
Hose i.D. 13	150	15	14	25	115	9	5	114	ESH 150 RS

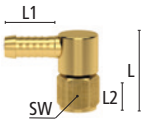


Female thread tubes for counter-sunk mould threads

Thread connection	L	SW	D	L1	L2	Passage		Weight	Type No.
M 14x1.5 f	120	17	10	12	104.5	6	5	60	ESHM 120 RI
M 16x1.5 f	150	22	14	12	134.5	9	5	130	ESH 150 RI







Standard hose stems with outer cone DIN 3863 and hexagon nut. straight. 45° and 90°

Thread con.	Hose connect.	L	SW	L1	L2	Version	Passage		Weight	Type No.
G 1/4 f	Hose i.D. 9	40	17	23.5	10.5	gerade	6	10	31	ST 149 MHL
G 1/4 f	Hose i.D. 9	52	17	22.5	10.5	45°	6	10	60	ST 149 MHL-45
G 1/4 f	Hose i.D. 9	34	17	22.5	10.5	90°	6	10	60	ST 149 MHL-90
G 3/8 f	Hose i.D. 13	41	22	27	10	gerade	9	10	50	ST 3813 MHL
G 3/8 f	Hose i.D. 13	56	22	22.5	10	45°	9	10	80	ST 3813 MHL-45
G 3/8 f	Hose i.D. 13	40	22	22.5	10	90°	9	10	80	ST 3813 MHL-90
G 3/4 f	Hose i.D. 19	52	32	32	14	gerade	13	10	130	ST 3419 MHL
M 14x1.5 f	Hose i.D. 9	40	17	23.5	10.5	gerade	6	10	33	ST 14159 MHL
M 14x1.5 f	Hose i.D. 9	52	17	22.5	10.5	45°	6	10	60	ST 14159 MHL-45
M 14x1.5 f	Hose i.D. 9	34	17	22.5	10.5	90°	6	10	60	ST 14159 MHL-90
M 16x1.5 f	Hose i.D. 13	41	22	27	10	gerade	9	10	50	ST 161513 MHL
M 16x1.5 f	Hose i.D. 13	56	22	22.5	10	45°	9	10	80	ST 161513MHL-45
M 16x1.5 f	Hose i.D. 13	40	22	22.5	10	90°	9	10	80	ST 161513MHL-90
M 24x1.5 f	Hose i.D. 19	52	30	32	14	gerade	13	10	132	ST 241519 MHL



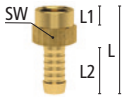
Male thread connection nipples with inner cone DIN 3863 – 60° cone

Thread connection	L	SW	L1	L2	Passage		Weight	Type No.
2 x G 1/4 m	23	17	9	9	6	10	21	D 14 MH
2 x G 3/8 m	23	19	9	9	9	10	39	D 38 MH
2 x G 1/2 m	30	22	12	12	13	10	46	D 12 MH
2 x G 3/4 m	40	27	16	16	13	10	125	D 34 MH
G 1/4 m - M 14x1.5 m	23	17	9	9	6	10	23	D 14-1415 MH
G 1/4 m - M 16x1.5 m	23	19	9	9	6	10	27	D 14-1615 MH
G 3/8 m - M 14x1.5 m	23	19	9	9	8	10	30	D 38-1415 MH
G 3/8 m - M 16x1.5 m	23	19	9	9	9	10	39	D 38-1615 MH
G 1/2 m - M 14x1.5 m	30	22	12	9	6	10	55	D 12-1415 MH
G 1/2 m - M 16x1.5 m	30	22	12	9	9	10	55	D 12-1615 MH
G 1/2 m - M 24x1.5 m	36	27	12	12	13	10	114	D 12-2415 MH
G 3/4 m - M 24x1.5 m	40	27	16	16	13	10	105	D 34-2415 MH
2 x M 14x1.5 m	23	17	9	9	6	10	30	D 1415 MH
2 x M 16x1.5 m	23	19	9	9	9	10	26	D 1615 MH
2 x M 24x1.5 m	40	27	16	16	13	10	25	D 2415 MH
M 14x1.5 m - M 16x1.5 m	23	17	9	9	9	10	20	D 1415-1615 MH
M 14x1.5 m - M 18x1.5 m	26	19	9	9	9	10	35	D 1415-1815 MH
M 16x1.5 m - M 18x1.5 m	26	19	9	9	9	10	37	D 1615-1815 MH

Screwings and Components
made of Brass MS 58 plain

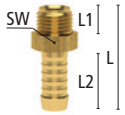
Female thread standard hose stems

Thr. connect.	Hose connect.	L	SW	L1	L2	Passage		Weight	Type No.
M 14x1.5 f	Hose i.D. 9	37.5	17	12	22.5	6	10	20	TI 14159 MHL
M 16x1.5 f	Hose i.D. 13	40	22	12	25	9	10	45	TI 161513 MHL
M 24x1.5 f	Hose i.D. 19	55	30	18	35	13	10	108	TI 241519 MHL



Male thread standard hose stems with inner cone DIN 3863 – 60° cone

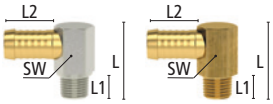
Thr. connect.	Hose connect.	L	SW	L1	L2	Passage		Weight	Type No.
M 8x0.75 m	Hose i.D. 6	33.5	11	7	22.5	4.5	10	13	G 875-6 THL
M 8x0.75 m	Hose i.D. 9	33.5	11	7	22.5	4.5	10	19	G 875-9 THL
M 10x1 m	Hose i.D. 9	33.5	11	7	22.5	6	10	20	G 101-9 THL
G 1/8 m	Hose i.D. 9	33.5	11	7	22.5	6	10	20	G 18-9 THL
G 1/4 m	Hose i.D. 9	37.5	15	9	22.5	6	10	21	G 14-9 THL
G 1/4 m	Hose i.D. 13	40	15	9	25	8	10	34	G 14-13 THL
M 12x1.5 m	Hose i.D. 13	40	15	9	25	7	10	35	G 1215-13 THL
M 14x1.5 m	Hose i.D. 13	40	15	9	25	9	10	36	G 1415-13 THL
G 3/8 m	Hose i.D. 9	37.5	17	9	22.5	6	10	27	G 38-9 THL
G 3/8 m	Hose i.D. 13	40	17	9	25	9	10	36	G 38-13 THL
M 16x1.5 m	Hose i.D. 13	40	17	9	25	9	10	36	G 1615-13 THL
G 1/2 m	Hose i.D. 19	50	22	12	35	13	10	73	G 12-19 THL
M 24x1.5 m	Hose i.D. 19	56	27	16	35	13	10	114	G 2415-19 THL
G 3/4 m	Hose i.D. 19	56	27	16	35	13	10	125	G 34-19 THL



Male thread standard hose stems 90° (metric threads acc. DIN 158/R-threads acc. DIN 2999)

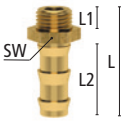
Thr. connect.	Hose connect.	L	SW	L1	L2	Passage		Weight	Type No.
M 5x0.5 m	Hose i.D. 5	15.5	9	5	18	2.7	10	9	ESHMC505-5SL-90
M 8x0.75 m	Hose i.D. 5	17.5	9	5	20	2.7	10	11	ESHMC875-5SL-90
M 8x0.75 m	Hose i.D. 9	27	15	9	20	4.5	10	35	ESHM 875-9SL-90
M 10x1 m	Hose i.D. 9	27	15	9	20	6	10	38	ESHM 101-9SL-90
R 1/8 m	Hose i.D. 9	27	15	9	20	6	10	38	ESHM 18-9SL-90*
M 14x1.5 m	Hose i.D. 13	34	17	11	24	9	10	47	ESH 1415-13SL-90
R 1/4 m	Hose i.D. 13	34	17	11	24	9	10	48	ESH 14-13SL-90*
R 1/2 m	Hose i.D. 19	47	24	16	32	13	10	158	ESHG 12-19SL-90*
M 24x1.5 m	Hose i.D. 19	47	24	16	32	13	10	165	ESHG2415-19SL90

Suitable hose clips, double-ear clips or crimping ferrules for standard hoses (page 314 - 317)



Male thread quick-fit hose stems – 60° cone

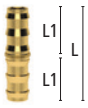
Thr. connect.	Hose connect.	L	SW	L1	L2	Passage		Weight	Type No.
M 10x1 m	Hose i.D. 6	41	11	9	28	6	10	20	G 101-6 TH
G 1/8 m	Hose i.D. 6	39	14	7	28	4	10	16	G 18-6 TH
G 1/4 m	Hose i.D. 6	39	17	7	28	4	10	19	G 14-6 TH
G 1/8 m	Hose i.D. 10	39	14	7	28	5	10	21	G 18-10 TH
G 1/4 m	Hose i.D. 10	39	17	7	28	7	10	23	G 14-10 TH
G 1/4 m	Hose i.D. 13	39	17	7	28	9	10	28	G 14-13 TH
M 14x1.5 m	Hose i.D. 10	42	15	9	28	7	10	26	G 1415-10 TH
G 3/8 m	Hose i.D. 10	43	17	10	28	7	10	32	G 38-10 TH
G 3/8 m	Hose i.D. 13	43	17	10	28	9	10	36	G 38-13 TH
G 1/2 m	Hose i.D. 10	43	22	10	28	7	10	41	G 12-10 TH
G 1/2 m	Hose i.D. 13	43	22	10	28	9	10	41.5	G 12-13 TH
G 1/2 m	Hose i.D. 16	58	22	12	38	13	10	70	G 12-16 TH
G 3/4 m	Hose i.D. 16	62	27	16	38	13	10	120	G 34-16 TH
G 3/4 m	Hose i.D. 19	62	27	16	38	14	10	135	G 34-19 TH



Quick-fit hose menders with / without safety collar

Hose connection	L	L1	Passage	Version		Weight	Type No.
Hose i.D. 13	58	28	10	w safety collar	10	24	SV 13 R-TH
Hose i.D. 13	47	22.5	10	w/o safety collar	10	26	SV 13 R-THO
Hose i.D. 16	47	22.5	10	w/o safety collar	10	39	SV 16 R-THO

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!



Coloured marking rings (page 151)

*Hose sleeves with hexagon-thread nickel-pl. for simple differentiation

Screwings and Components

made of Brass MS 58 plain



Angle screwings for 45° or 90° connections for use as modular system

Thread connection	L	SW	L1	L2	Version	Weight	Type No.
G 1/4 m - G 1/4 f	29	20	8	10	45°	42	W 14 IA-45
G 1/4 m - G 1/4 f	29	20	8	13.5	90°	53	W 14 IA-90

To be combined with female thread couplings, male thread stems and male plugs G 1/4"



Swivel head screwing for trimming of blow nozzles

Thread connection	L	SW	D	L1	L2	Displacement	📦	Weight	Type No.
G 1/4 m - G 1/4 f	53	22	27	9	10	aprox. 47°	10	104	KGV 14

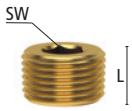
(Temperature -20°C/+100°C)

Male thread- / Female thread-reducing nipples



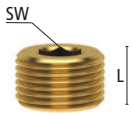
Thread connection	L	SW	L1	📦	Weight	Type No.
M 14x1.5 m - M 10x1 f	11	17	7	10	10	R 1415-101 NH
M 18x15 m - M 14x15 f	14	22	9	10	15	R 1815-1415 NH
G 1/4 m - G 1/8 f	11	17	7	10	10	R 14-18 NH
G 3/8 m - G 1/4 f	13	19	9	10	15	R 38-14 NH
G 1/2 m - G 3/8 f	18	24	12	10	19	R 12-38 NH
M 24x1.5 m - M 16x1.5 f	24	27	16	10	58	R 2415-1615 NH
G 3/4 m - G 1/2 f	24	27	16	10	55	R 34-12 NH

Locking screws with inner hexagon DIN 906 with tapered male thread



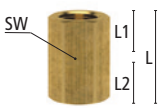
Thread connection	L	SW	📦	Weight	Type No.
M 8x0.75 m	4	8	10	3	VS 875
M 10x1 m	5	8	10	3.5	VS 101
M 12x1.5 m	6	8	10	6	VS 1215
M 14x1.5 m	7	10	10	11	VS 1415
R 1/8 m	5	8	10	7.5	VS 18*
R 1/4 m	7	10	10	11	VS 14*
R 3/8 m	8	10	10	13	VS 38*
R 1/2 m	10	10	10	18	VS 12*

Locking screws with inner hexagon DIN 906 with parallel male thread



Thread connection	L	SW	📦	Weight	Type No.
M 8x0.75 m	8	4	10	3	VS 875 ZY
M 10x1 m	8	5	10	3.5	VS 101 ZY
M 12x1.5 m	8	6	10	6	VS 1215 ZY
M 14x1.5 m	10	7	10	11	VS 1415 ZY
G 1/8 m	8	5	10	7.5	VS 18 ZY
G 1/4 m	10	7	10	11	VS 14 ZY
G 3/8 m	10	8	10	13	VS 38 ZY
G 1/2 m	10	10	10	18	VS 12 ZY

Female thread combination nipples



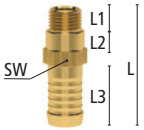
Thread connection	L	SW	L1	L2	📦	Weight	Type No.
2 x G 1/4 f	26	17	12	12	10	21	U 14 NH
G 1/2 f - M 14x1.5 f	24	27	14	10	10	45	U 12-1415 NH
G 1/2 f - M 16x1.5 f	24	27	14	10	10	46	U 12-1615 NH
G 3/4 f - M 14x1.5 f	28	32	18	10	10	75	U 34-1415 NH
G 3/4 f - M 16x1.5 f	28	32	18	10	10	77	U 34-1615 NH

*Lockings screws with hexagon-thread nickel-pl. for simple differentiation

Screwings and Components
made of Brass MS 58 plain

Male thread standard hose stems with collar

Thread connect.	Hose Connection	L	SW	L1	L2	L3	Passage		Weight	Type No.
G 1/8 m	Hose i.D. 9	40	11	7	7	22.5	6	10	15	**G 189 TA**
G 1/4 m	Hose i.D. 13	47	15	9	7	25	9	10	33	**G 1413 TA**
G 1/2 m	Hose i.D. 19	62	22	12	10	32	13	5	100	**G 1219 TA**
G 3/4 m	Hose i.D. 19	62	27	12	10	32	13	5	150	**G 3419 TA**
M 10x1 m	Hose i.D. 9	40	11	7	7	22.5	6	10	15	**G 1019 TA**
M 12x1.5 m	Hose i.D. 13	47	15	9	7	25	8	10	33	**G 121513 TA**
M 14x1.5 m	Hose i.D. 13	47	15	9	7	25	9	10	33	**G 141513 TA**
M 24x1.5 m	Hose i.D. 19	62	27	12	10	32	13	5	140	**G 241519 TA**



High-Performance Hose Clips

made of Steel W1 (DIN 3017)

- High-performance hose clips made of steel W1, free of chrome VI, zinc-plated and thick layer passivated
- Optimum sealing through high band tension – maximum strip safety
- Hose-protective through rounded edges and smooth band inside
- Thinner screw body with new position, therefore improved torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, sizes 100-180 in plastic bags, from size 190 individually
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Steel W1, zinc-plated and thick layer passivated

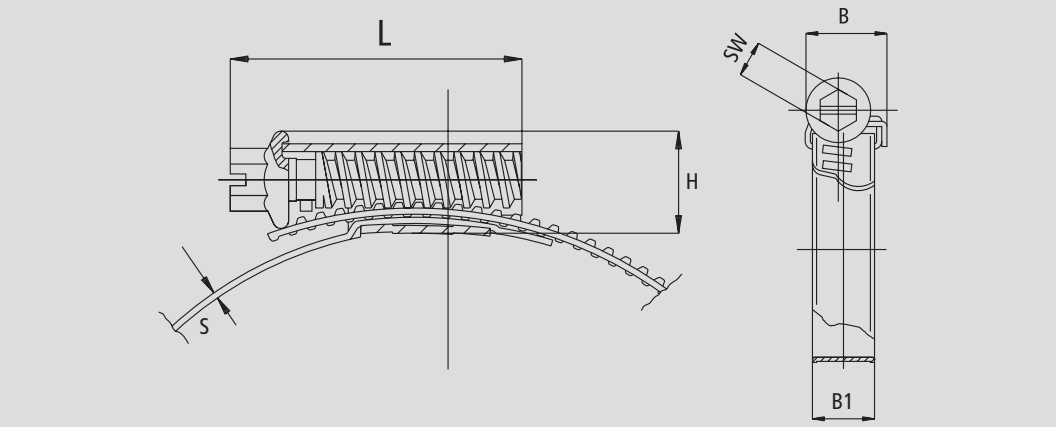




Norm
DIN 3017

High-Performance Hose Clips, band and lock steel W 1, zinc-plated

Range mm	Range inch	B	SW	torque Max.Nm	L	H	band width B1	band-thickness S		Weight	Type No.
8-12	5/18-1/2	14	7	2-2.5	20.5	11.5	9	0.7	100	12	HS 12
10-16	5/18-5/8	14	7	2-2.5	20.5	11.5	9	0.8	100	13	HS 16
12-22	1/2-3/4	14	7	3-3.5	24	11.5	9	0.8	100	16	HS 20
16-27	5/8-1	16	7	5-5.5	31	13	9	0.8	100	17	HS 25
20-32	3/4-1 1/4	16	7	5-5.5	31	13	12	0.8	50	27	HS 32
25-40	1-1 5/8	16	7	5-5.5	31	13	12	1.0	50	32	HS 40
30-45	1 3/8-1 3/4	16	7	5-5.5	31	13	12	1.0	50	33	HS 45
35-50	1 1/4-2	16	7	5-5.5	31	13	12	1.0	50	35	HS 50
40-60	1 5/8-2 3/8	16	7	5-5.5	31	13	12	1.0	25	39	HS 60
50-70	2-2 3/4	16	7	5-5.5	31	13	12	1.0	25	43	HS 70
60-80	2 3/8-3 1/8	16	7	5-5.5	31	13	12	1.0	25	45	HS 80
70-90	2 3/4-3 1/2	16	7	5-5.5	37	13	12	1.0	25	52	HS 90
80-100	3 1/8-4	16	7	5-5.5	37	13	12	1.0	10	53	HS 100
90-110	3 1/2-4 3/8	16	7	5-5.5	37	13	12	1.0	10	53	HS 110
100-120	4-4 3/4	16	7	5-5.5	37	13	12	1.0	10	58	HS 120
110-130	4 3/8-5 1/8	16	7	5-5.5	37	13	12	1.0	10	60	HS 130
120-140	4 3/4-5 1/2	16	7	5-5.5	37	13	12	1.0	10	63	HS 140
130-150	5 1/8-5 7/8	16	7	5-5.5	37	13	12	1.0	5	69	HS 150
140-160	5 1/2-6 1/4	16	7	5-5.5	37	13	12	1.0	5	71	HS 160
150-170	5 7/8-6 5/8	16	7	5-5.5	37	13	12	1.0	5	74	HS 170
160-180	6 1/4-7	16	7	5-5.5	37	13	12	1.0	5	77	HS 180
170-190	6 1/2-7 1/2	16	7	5-5.5	37	13	12	1.0	1	79	HS 190
180-200	7 1/8-8	16	7	5-5.5	37	13	12	1.0	1	81	HS 200
190-210	7 1/2-8 1/4	16	7	5-5.5	37	13	12	1.0	1	86	HS 210
200-220	8-8 3/4	16	7	5-5.5	37	13	12	1.0	1	92	HS 220
210-230	8 1/8-9	16	7	5-5.5	37	13	12	1.0	1	98	HS 230
220-240	8 3/4-9 3/8	16	7	5-5.5	37	13	12	1.0	1	101	HS 240
230-250	9-9 3/4	16	7	5-5.5	37	13	12	1.0	1	105	HS 250
240-260	9 3/8-10 1/4	16	7	5-5.5	37	13	12	1.0	1	108	HS 260
250-270	9 3/4-10 1/2	16	7	5-5.5	37	13	12	1.0	1	112	HS 270
260-280	10 1/4-11	16	7	5-5.5	37	13	12	1.0	1	116	HS 280



High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High performance hose clips made of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new position, therefore improved torque
- Material and clip range stamped at inner band side
- Hexagon screw with slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Stainless steel W5
- Special Screw Driver: Chromed steel/ plastic

Norm
DIN 3017

High-Performance Hose Clips, band and lock stainless steel W 5

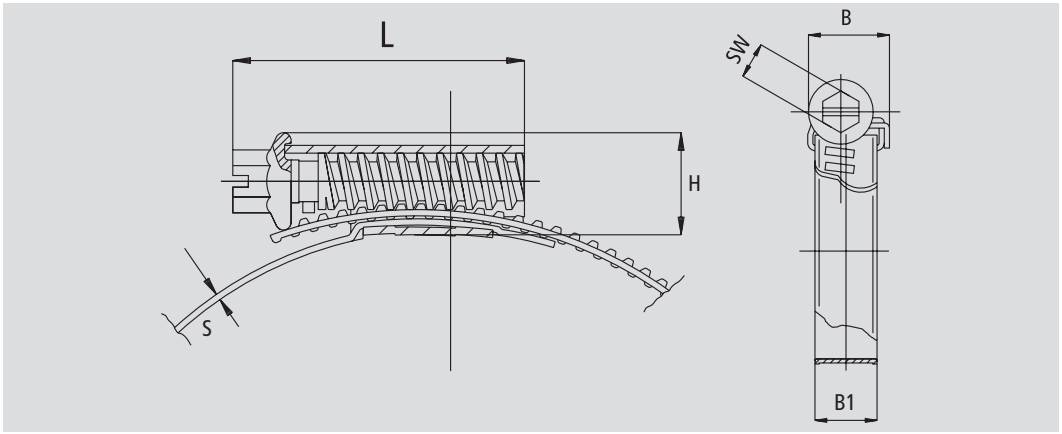
Range				torque	Band-width			band-thickness			
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100



Special hexagon screw driver of chromed steel with plastic handle

Version	SW		Weight	Type No.
Rigid	7	1	89	SR STARR
Flexible	7	1	134	SR FLEX.





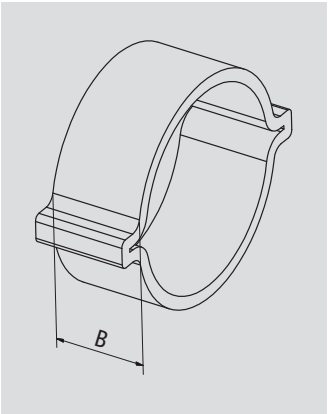
Double-Ear Hose Clips

- Clips of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No risk of injury, closed and unremovable connection
- Suitable for assembly of many hoses and fittings for use with various media

Materials

- Clips: Unbreakable special realiable steel, zinc-plated and blue chromated (free of chrome VI)





		100	
Double-Ear-Hose Clips			
Hose-o.D./ Range	**B**	**Weight**	**Type No.**
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	ZOSZ

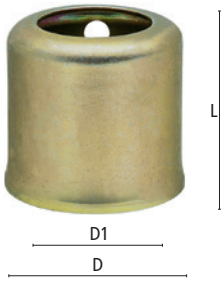
Ferrules for Low Pressure Hose Lines

- Ferrules of redhotted steel, zinc-plated and yellow passivated
- Easy, fast and absolutely safe hose crimping with **LÜDECKE** hand-operated assembly machine SPR 333 up to type LPH-23
- No risk of injury, closed and unremovable connection
- For crimping of various hoses and fittings for use with various media

Materials
- Body: redhottet steel, zinc-plated and yellow passivated

Max. Working Pressure									
PN 16 bar									
	for hose								
D	DIN 20018	Water	PVC	L	D1	Assembly-M.	Weight		Type No.
12.5				17	8.5	SPR 333	3	100	LPH-12,5
13.5			6x3	20	9.3	SPR 333	5	100	LPH-13,5
14.5	6x3.5			17	10	SPR 333	5	100	LPH-14,5
16			8x3	17	11.5	SPR 333	5	100	LPH-16
18	9x3.5		10x3	20	13.5	SPR 333	7	100	LPH-18
19			12x3	20	13.9	SPR 333	9	100	LPH-19
19.5				26	14.5	SPR 333	10	100	LPH-19,5
21				26	14.5	SPR 333	12	100	LPH-21
22				32	17	SPR 333	16	100	LPH-22
23		13x3		32	17	SPR 333	18	100	LPH-23
25	13x5			32	17		19	100	LPH-25
28	15x6			32	20.5		22	100	LPH-28
30.5		19x4		33	24.3		24	100	LPH-30
33	19x6			35	24.8		40	100	LPH-33
38		25x4.5		35	28		47	25	LPH-38
41	25x7			40	30		64	25	LPH-41

For higher Working Pressure we recommend hydraulic crimping with turned steel-ferrules type PH (page 191) or on request.



Hand-operated Assembly Machine

for Low Pressure Ferrules

- Crimping machine for easy and safe assembly of low-pressure hoses from 3 to 20 mm Hose i.D.
- Clean: Exact assembling of fitting, hose and ferrule through centric crimping of the ferrule
- Inexpensive: Fast assembling at reasonable costs
- Safe: Improved safety through perfect fit
- Elegant: Reduced danger of injury
- With two crimping-jaw sets for crimping range from 3 to 20 mm and from 10 to 20 mm.
- Flexible: For mobile use



For hoses						
	Hose o.D./					
Hose i.D.	Range	suitable ferrule	e.g. for fitting		Weight	Type No.
3-20	10-22	LPH 12.5-23	Pneumatic-Connect., ES-Couplings	1	12.2	SPR-333



Construction Industry



MADE IN GERMANY
EFFICIENCY by LÜDECKE
CONSTRUCTION INDUSTRY

Claw Couplings	Complete Screwing Sets, etc.	Mortar Couplings and Plugs
		

Sandblast Couplings	Hose Clamps and Hose Clips	Ball Valves and Throttle Valves
		

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171 Claw Couplings with Bore for Safety-Clips
172 Claw Couplings Left-Closing and Coloured
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174 Claw Couplings made of Forged Brass MS 58
175 Claw Couplings US-Version with Bore for Safety-Clips
176 Claw Couplings US-Version MODY-Safety-Screwing Couplings with Bore for Safety-Clips



Complete Screwing Sets, FlatLock Flat Hose Screwings, Connecting Nipples, Hose Connections

177 Complete Screwing Sets with Hose Stem
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Sandblast Couplings

Sandblast Couplings and Nozzle Holders made of Malleable Iron/ Aluminium 196
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Hose Clamps and Hose Clips

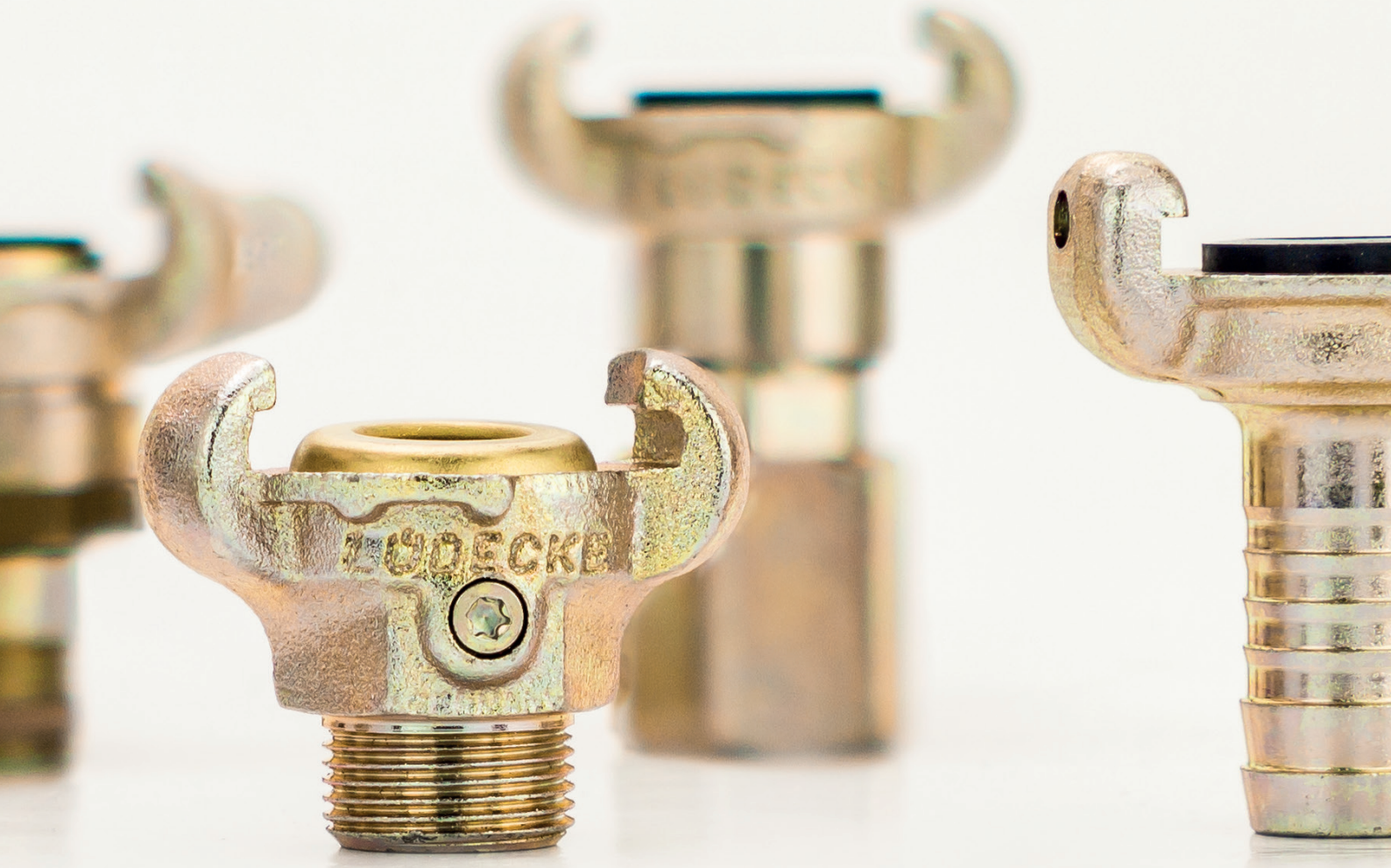
Hose Clamps - Standard-Version 199
Hose Clamps - US-Version 200
Double-Ear Hose Clips 201
NEW! Heavy Duty Clamps 202



Ball Valves and Throttle Valves

Ball Valves - Sturdy Version 203
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Double Ball Valves and Airhammer Ball Valves - Sturdy Version 205
Throttle Valves - Standard Version 206
Throttle Valves - US-Version 207




GUDECKE

Claw Couplings
Swivelling, DIN 3489

- High quality couplings, head of malleable iron, thread connections and hose stem of turned steel with special profile, zinc-plated and yellow passivated (free of chrome VI) with safety notches
- 360° swivelling, easy turning under pressure, therefore no hose twist
- Sealing through 2 O-rings, swivelling on 2 teflon-discs, safe and protected
- 100 % tight through machined seal holder, standard rubber ring can be used (GOER)
- Full bore for increased flow capacity
- On request with steam resistant rubber ring GDOR against surcharge
- 100 % couple test and sight control
- For flexibility of compressed air lines in construction and industry, if used as thread coupling assembled at the tool up to 10 times higher durability compared to rigid standard couplings! The swivel principle absorbs all vibrations!

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Temperature	Thread	Norm	Claw Distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	DIN 3489	42 mm	Air a.o.	5

Hose Claw Couplings

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	87	63	41	10	221	SKG 13-DR
Hose i.D. 19	87	63	41	15	230	SKG 19-DR
Hose i.D. 25	87	63	41	19	260	SKG 25-DR

For hose clamps DIN 20039 A type SL (page 313) or crimping sockets type LPH (page 318)



Hose Claw Couplings with safety collar

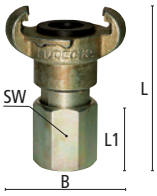
Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 13	96	63	41	24	10	236	SKB 13-DR
Hose i.D. 19	98	63	41	34	15	250	SKB 19-DR
Hose i.D. 25	98	63	41	39	19	290	SKB 25-DR

For hose clamps DIN 20039 B type SK (page 313)



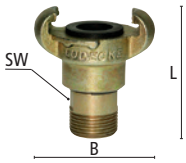
Female Claw Couplings

Thread connection	L	B	SW	L1	Passage	Weight	Type No.
G 1/2 f	61	63	24	15	17	240	KIG 12-DR
G 3/4 f	85	63	32	15	17	330	KIG 34-DR
G 1 f	90	63	41	15	17	430	KIG 10-DR



Male Claw Couplings

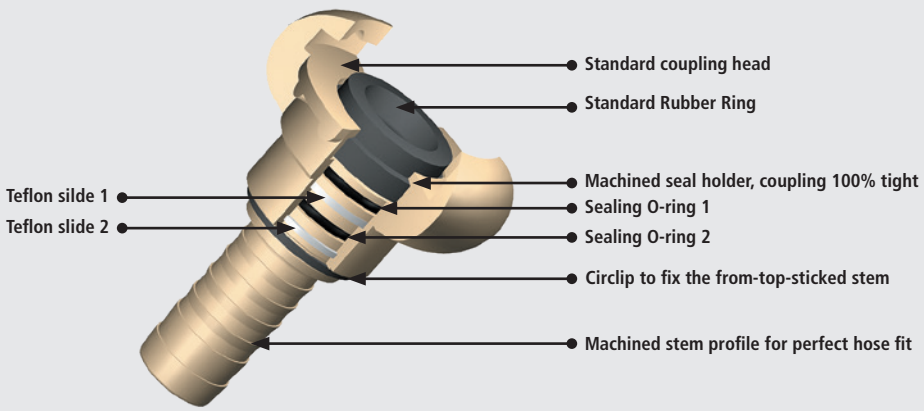
Thread connection	L	B	SW	L1	Passage	Weight	Type No.
G 1/2 m	67	63	24	14	13	240	KAG 12-DR
G 3/4 m	68	63	24	15	17	236	KAG 34-DR
G 1 m	83	63	36	15	19	315	KAG 10-DR



Original Rubber Rings

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	11	34	20	Buna N	-40 – +95	Compr. air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-40 – +200	Steam	red	65°	10	6	GDOR





Claw Couplings
Standard Version DIN 3489

- Robust couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI) with safety notches
- 100 %couple test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- Universal coupling, world-wide used system for compressed air in construction and industry

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Temperature	Thread	Norm	Claw Distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228, ANSI/ ASME B 1.20.1	DIN 3489	42 mm	Compressed Air	10

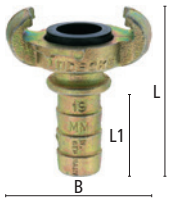
Hose Claw Couplings (formerly DIN 3483)



Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 6	70	63	25	5	157	SKG 6
Hose i.D. 10	76	63	45	7	150	SKG 10
Hose i.D. 13	69	63	45	8.5	141	SKG 13
Hose i.D. 15	69	63	45	11	142	SKG 15
Hose i.D. 19	69	63	45	15	155	SKG 19
Hose i.D. 25	70	63	46	19	176	SKG 25
Hose i.D. 32	90	63	64	20	244	SKG 32

For hose clamps DIN 20039 A type SL (page 313) or crimping sockets type LPH (page 318)

Hose Claw Couplings with safety collar

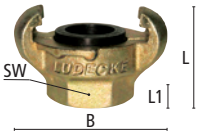


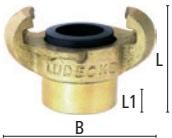
Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 13	75	63	35.5	25	8,5	174	SKB 13
Hose i.D. 15	75	63	35.5	26	11	175	SKB 15
Hose i.D. 19	75	63	40.5	28,5	15	182	SKB 19
Hose i.D. 19	73.5	63	41	24	15	160	SKB 19 FL*
Hose i.D. 25	75	63	40.5	40	20	240	SKB 25
Hose i.D. 25	75	63	40.5	30	20	190	SKB 25 FL*

* athose version, integrated with hose clamps SK..FL

For hose clamps DIN 20039 B, type SK (page 313), safe hose assembly

Female Claw Couplings (formerly DIN 3482)

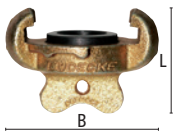




Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 f	36	22	63	12	11	138	KIG 14
G 3/8 f	36	22	63	12	15	135	KIG 38
G 1/2 f	38	27	63	12	19	150	KIG 12
G 1/2 f	41	-	63	14.5	19	180	KIGO 12**
G 3/4 f	40	32	63	14.5	20	155	KIG 34
NPT 3/4 f	38	32	63	17	20	160	KIG 34 NPT
G 3/4 f	41	-	63	14.5	20	155	KIGO 34**
G 1 f	40	41	63	18	20	184	KIG 10
NPT 1 f	40	40	63	18	20	180	KIG 10 NPT
G 1 1/4 f	55	50	63	18	20	297	KIG 54

** without Hexagon

Blank Ends (formerly DIN 3484)



Version	L	B		Weight	Type No.
without chain	43	63	10	130	VKO
with chain	43	63	10	140	VKM
chain (spare part)	200	38	25	7	VKM-K

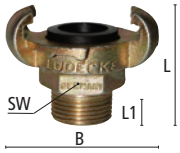
Claw Couplings
Standard Version DIN 3489

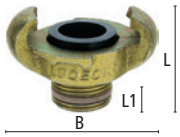
Male Claw Couplings (formerly DIN 3481)

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 m	50	22	63	9	6	157	KAG 14
G 3/8 m	52	27	63	14	9	170	KAG 38
G 1/2 m	47	27	63	14	13	162	KAG 12
NEW! NPT 1/2 m	49	27	63	16	13	166	KAG 12 NPT
G 3/4 m	50	32	63	14.5	17	175	KAG 34
NEW! NPT 3/4 m	49	32	63	17	18	176	KAG 34 NPT
G 3/4 m	41	-	63	15	17	150	KAGO 34**
G 1 m	47	40	63	15	20	174	KAG 10
NEW! NPT 1 m	48	40	63	15	20	196	KAG 10 NPT
G 1 m	41	-	63	15	20	165	KAGO 10**
G 1 1/4 m	52	46	63	18	20	230	KAG 54

Easy male thread sealing with PVC-Packing rings type HPD (see below)

** without Hexagon, with LÜDSY-sealing ring

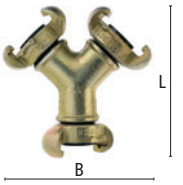




Max. Betriebsdruck	Temperature	Thread	Claw Distance	Media
PN 10 bar	-40°C – +95°C	ISO 228/ DIN 2999	42 mm	Air

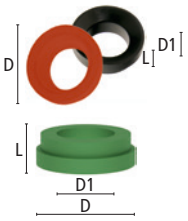
Three-way connections with threaded ends or claw couplings (rubber seal)

Connection	L	B	Material	Seal	Passage		Weight	Type No.
3 x R 3/4 f	68	68	mall. iron	-	24	1	255	DWS 34
3 x KAGO 34	120	120	mall. iron	Buna N	17	1	708	DWSG 34
3 x R 1 f	85	85	mall. iron	-	30	1	413	DWS 10
3 x KAGO 10	135	130	mall. iron	Buna N	21	1	905	DWSG 10



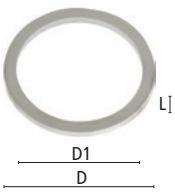
Original Rubber Rings for Standard Claw Couplings DIN 3489

Resistance	L	D	D1	Material	Temp°C	Media	Colour	Shore A		Weight	Type No.
Oil	11	34	20	Buna N	-40 – +95	compr. air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-40 – +200	steam	red	65°	10	6	GDOR
Chemicals	10.5	34	20	FKM	-40 – +200	chemical	green	50°	10	9	GVOR



Hard-PVC-Packing Rings for fast, easy and tight sealing of male threads

For male thread	L	D	D1		Weight	Type No.
G 1/8 m	1.5	10	13	100	0.13	HPD 18
G 1/4 m	2	13.3	16.4	100	0.13	HPD 14
G 3/8 m	2	16.7	21.5	100	0.13	HPD 38
G 1/2 m	2	21.5	26	100	0.13	HPD 12
G 3/4 m	2	26.5	31.4	100	0.13	HPD 34
G 1 m	2	33.5	40	100	0.13	HPD 10



Claw Couplings

MODY-Safety-Screwing Couplings DIN 3238



- Recommended instead of expensive and unhandy hosebreak secure systems (whip-check)
- High quality safety coupling, head of malleable iron with safety notches, hose stem of turned steel with special profile, zinc-plated and yellow passivated (free of chrome VI)
- Stronger thread - protective ring and new rubber ring, on both sides led in seal holder
- With oil resistant rubber ring, on request with steam resistant rubber ring (up to 200°C)
- 100 % tight, reduces expensive air consumption, 100 % couple test and sight control
- Easy to couple, secured against accidental opening: locking nut
- Maximum bore for more flow capacity
- For absolutely safe air lines in construction and industry

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Locking nut, forged clamps: Brass MS 58 plain
- Connector: Steel zinc-plated and yellow passivated (free of Chrom VI)
- O-rings: Buna N

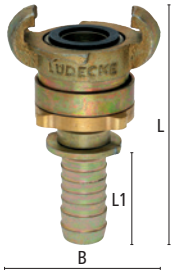
Max. Working Pressure	Temperature	Thread	Norm	Claw Distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	DIN 3238	42 mm	Compressed air	5



MODY-Safety-Hose Couplings

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	100	63	41	6.5	309	SSG 10
Hose i.D. 13	100	63	41	10	309	SSG 13
Hose i.D. 15	100	63	41	11	316	SSG 15
Hose i.D. 19	100	63	41	15	319	SSG 19
Hose i.D. 25	100	63	41	18	346	SSG 25
Hose i.D. 32	135	63	48	18	464	SSG 32

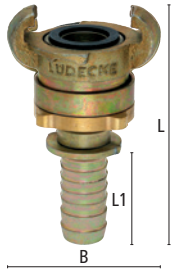
For hose clamps DIN 20039 A type SL (page 313) or crimping sockets type LPH (page 318)



MODY-Safety-Hose Couplings with safety collar

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 10	103	63	41	21	6.5	323	SSG 10 S
Hose i.D. 13	110	63	41	24	10	321	SSG 13 S
Hose i.D. 15	112	63	41	27	11	343	SSG 15 S
Hose i.D. 19	112	63	40.5	32	15	350	SSG 19 S
Hose i.D. 25	112	63	40.5	39	18	386	SSG 25 S

For hose clamps DIN 20039 B type SK (page 313)

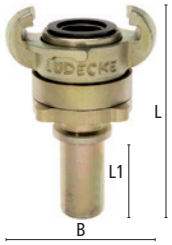


MODY-Safety-Hose Couplings for crimping sockets (hydraulic crimping)

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 19	108	63	40	24	15	359	SSG 19 PH

Crimping with crimping socket PH-19 (page 191)

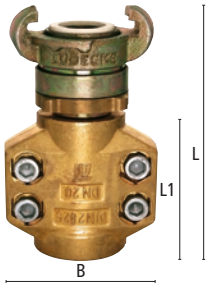
Other sizes on request



MODY-Safety-Hose Couplings for Aluminium forged clamps

Hose connection	L	B	L1	∅Collar	Passage	Weight	Type No.
Hose i.D. 19	110	63	35	26	15	340	SSG 19-KSA

For aluminium forged clamps VG 85 328 type KSA 30-33 (page 338)



MODY-Safety-Hose Couplings with brass safety clamp for steam applications

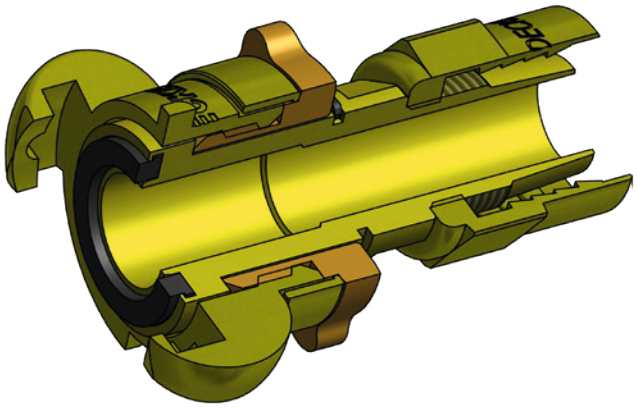
Hose connection	L	B	L1	Passage	Dichtung	Weight	Type No.
Hose 19x7	113	63	52	15	TFEP (SDOR-N)	920	SSG 19 KSM
Hose 25x7.5	113	63	52	18	TFEP (SDOR-N)	1120	SSG 25 KSM

Claw Couplings

MODY-Safety-Screwing Couplings DIN 3238

Thread ferrule according to DIN EN 14 424 as the perfect hose connection for optimum security; at any time unlockable and reusable.

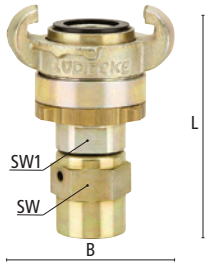
Please pay attention to the details for the essential hose wall thickness!



MODY-Safety-Hose Couplings with thread ferrule (according to DIN EN 14 424)

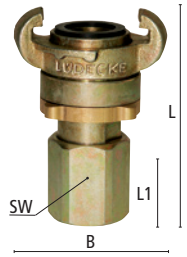
Hose connection	L	SW	B	SW1	Passage	Weight	Type No.
Hose 13x3	92	27	63	24	11	400	SSG 133 TQ
Hose 13x5	92	27	63	24	11	405	SSG 135 TQ
Hose 15x5	95	32	63	24	13	415	SSG 155 TQ
Hose 19x5	95	32	63	24	16	435	SSG 195 TQ
Hose 19x6	95	36	63	24	16	440	SSG 196 TQ
Hose 25x5	105	41	63	24	22	510	SSG 255 TQ
Hose 25x7	105	46	63	24	22	520	SSG 257 TQ

(Size 1" two parts screwed)



MODY-Safety Female Couplings

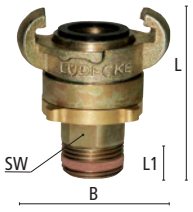
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 f	68	24	63	13	13	347	SSGI 38
G 1/2 f	70	24	63	15	17	329	SSGI 12
G 3/4 f	93	32	63	20	17	419	SSGI 34
NEW! NPT 3/4 f	93	32	63	21.5	17	388	SSGI 34 NPT
G 1 f	95	41	63	22	17	516	SSGI 10
NEW! NPT 1 f	97	41	63	22	17	473	SSGI 10 NPT



MODY-Safety Male Couplings with LÜDSY-sealing system

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 3/8 m	72	24	63	13	10	260	SSGA 38
G 1/2 m	73	24	63	14	13	260	SSGA 12
G 3/4 m	73	24	63	15	17	260	SSGA 34
NEW! NPT 3/4 m	73	24	63	18	17	280	SSGA 34 NPT*
R 1 m	85	36	63	18	17	370	SSGA 10
NEW! NPT 1 m	83	36	63	19	17	365	SSGA 10 NPT*

*without LÜDSY-thread sealing



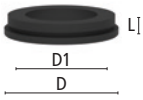
Original MODY-Rubber Rings – Standard Version

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	4	30	21	Buna N	-40 – +95	Compr.air	black	75°	50	1.7	SGOR-N
Steam	4	30	21	TFEP	-40 – +200	Steam	red	65°	10	1.7	SDOR-N



Original MODY-Rubber Rings – Old Version (Only suitable for MODY-Couplings with old seal holder!)

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	7	33	21	Buna N	-40 – +95	Compr. air	black	60°	50	4	SGOR



All Types also available coloured (powder-coated) against surcharge

RAL 5010 RAL 6029 RAL 1004 RAL 2002



Ⓐ **Attention: At least 100 pc/type necessary!**

Claw Couplings
with Brass Seal

- Robust couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With brass seal, oil-resistant hose ring and zinc-plated screw
- Easy to couple, no independant remove of the seal, prevents sticking of seals when coupled
- Always to be coupled with a standard claw coupling with Buna N seal!
- Universal couplings for air lines in construction or industry, mainly used directly on compressor or air tool

Materials

- Claw, Connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Screw: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Brass

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228	42 mm	Compressed air	10

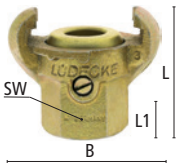


Hose Claw Couplings with brass seal

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	78	63	39	8.5	212	SKM 13*
Hose i.D. 15	88	63	39	11	226	SKM 15*
Hose i.D. 19	84	63	46	15	211	SKM 19
Hose i.D. 25	84	63	-	19	225	SKM 25

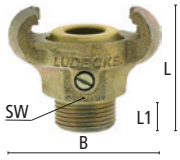
For hose clamps type SL DIN 20039 A (page 313)

*two parts with thread stem of steel



Female Claw Couplings with brass seal

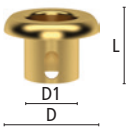
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 f	50	32	63	14	17	220	KIM 12
G 3/4 f	50	32	63	14.5	17	200	KIM 34
G 1 f	52	41	63	17	17	260	KIM 10



Male Claw Couplings with brass seal

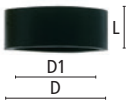
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 m	55	27	63	14	11	193	KAM 12
G 3/4 m	51	32	63	14	17	206	KAM 34
G 1 m	48	40	63	15	17	213	KAM 10

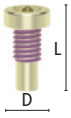
Easy male thread sealing with PVC-Packing rings type HPD (page 167)



Original spare parts for claw couplings with brass seal

Type	L	D	D1	Material		Weight	Type No.
Brass sleeve	21	32	17	Brass	10	12.5	MOOH
Hose ring	12	28	23	Buna N	100	3.2	SOOR
Steel screw M5	14	7	-	Steel zinc-pl. + yellow pass.	100	2	HOOS





Claw Couplings
with Bore for Safety-Clips

- Robust couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple-test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- To be secured against accidental opening through safety-clips DIN 11024
- Universal coupling, mainly used worldwide in mining or tunneling

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228, ANSI/ ASME B 1.20.1	42 mm	Compressed air	10

Hose Claw Couplings with safety collar

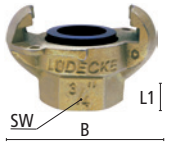
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	74	63	40	8.5	167	SKSS 13
Hose i.D. 19	75	63	40	15	196	SKSS 19
Hose i.D. 25	75	63	40	19	222	SKSS 25

For hose clamps DIN 20039 B, type SK (page 313), safe hose assembly



Female Claw Couplings

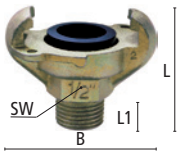
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 f	37	27	63	14	18.5	141	KISS 12
G 3/4 f	39	32	63	14.5	20	145	KISS 34
G 1 f	41	41	63	18	20	182	KISS 10
NEW! NPT 1 f	41	41	63	18	20	180	KISS 10 NPT



Male Claw Couplings

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 m	49	27	63	14	13	170	KASS 12
G 3/4 m	49	32	63	15	17	182	KASS 34
G 1 m	53	39	63	15.5	20	199	KASS 10

Easy male thread sealing with PVC-Packing rings type HPD (page 167)



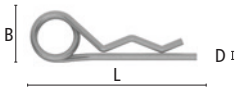
Original Rubber Rings

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	11	34	20	Buna N	-40 – +95	Compr.air	black	65°	100	6	GOER
Steam	10	33	20	TFEP	-40 – +200	Steam	red	65°	10	6	GDOR



Universal Safety-Clips DIN 11024

L	B	D	Material		Weight	Type No.
27	63	3	Steel zinc-plated	50	10	USC-1



Claw Couplings

Left-Closing and Coloured

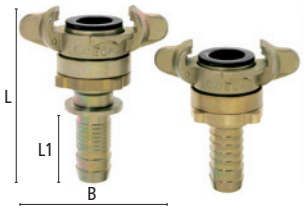


- Robust couplings of malleable iron or steel zinc-plated and yellow passivated (free of chrome VI) with safety notches and locking nut on female claw couplings left closing
- 100 % couple-test and sight control
- With oil-resistant rubber ring SGOR-N, on request with steam-resistant rubber ring SDOR-N (up to 200°C) or with brass seal and standard seal
- Through left-closing mechanism the couplings can´t be connected with standard claw couplings (right-closing), additional warning through ears at the claws or colour
- Mainly used in chemical and petrochemical plants to avoid connection of different fluids, f.e compressed air, steam, gas media, nitrogen

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- O-rings: Buna N/ Brass

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228	42 mm	various	1

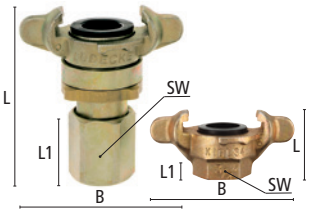


Hose Claw Couplings left-closing

Hose connection	L	B	L1	Passage	Typ	Version	Seal	Weight	Type No.
Hose i.D. 19	100	85	41	16	MODY	w safety collar	Buna N	340	**SSGL 19**
Hose i.D. 19	112	85	40.5	16	MODY	w safety collar	Buna N	367	**SSGL 19 S**
Hose i.D. 19	84	85	49	16	MS-seal	w/o safety collar	Brass	240	**SKML 19**

Other sizes on request.

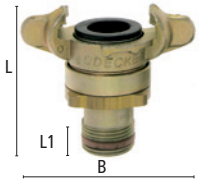
For hose clamps DIN 20039 A or B (page 313)



Female Claw Couplings left-closing

Thread connection	L	SW	B	L1	Passage	Typ	Seal	Weight	Type No.
G 3/4 f	38	40	85	16	20	Standard	Buna N	210	**KIGL 34**
G 3/4 f	93	32	85	20	19	MODY	Buna N	434	**SSGIL 34**
G 1 f	39	40	85	18	20	Standard	Buna N	180	**KIGL 10**

Other sizes on request.



Male Claw Couplings left-closing

Thread connection	L	SW	B	L1	Passage	Typ	Seal	Weight	Type No.
G 3/4 m	73	24	85	15	19	MODY	Buna N	339	**SSGAL 34**

Other sizes on request.

Original Standard-Rubber Rings

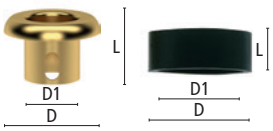
(page 175)

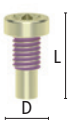
Original MODY-Rubber Rings - Standard Version

(page 169)

Original MODY-Rubber Rings - Old Version

(page 169)





Original Spare Parts for Claw Couplings with Brass Seal

Type	L	D	D1	Material		Weight	Type No.
Brass sleeve	21	32	17	Brass	10	12.5	**MOOH**
Hose ring	12	28	23	Buna N	100	3.2	**SOOR**
Steel screw M5	14	7	-	Steel zinc-pl. + yellow pass.	100	2	**HOOS**



All types also available coloured (powder-coated) against surcharge!

RAL 5010 RAL 6029 RAL 1004 RAL 2002 …others on request.

At least 100 pc/type necessary!

Claw Couplings

of Forged Steel, Hardened. Compatible to Type „Atlas Copco“

- Extremely robust, durable coupling of forged steel, hardened, zinc-plated and yellow passivated (free of chrome VI), equivalent to type Atlas Copco
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against surcharge
- Maximum bore for maximum flow capacity to reach full tool performance
- Turned stem profile for perfect fit of the hose - Turned seal holder, therefore 100 % tight
- High quality coupling for compressed air in construction and industry

Materials

- Claw: Steel hardened, zinc-plated and yellow passivated (free of chome VI)
- Connector: Steel hardened, zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- O-rings: Buna N

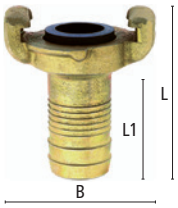
Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 16 bar	-40°C – +95°C	ISO 228, ANSI/ ASME B 1.20.1	42 mm	Compressed air	10

Hose Claw Couplings

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.d. 10	63	62	35	8	141	ACK 38 T
Hose i.d. 12.5	63	62	35	10.5	136	ACK 12 T
Hose i.d. 20	70	62	45	17	165	ACK 34 T
Hose i.d. 25	73	62	46	20	173	ACK 10 T

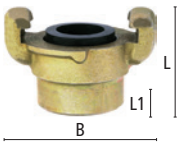
For hose clamps DIN 20039 A, type SL (page 313)

Swivelling Version (against hose twist) on request.



Female Claw Couplings

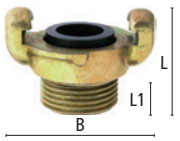
Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	40	62	16	15	182	ACK 38 I
G 1/2 f	40	62	16	19	203	ACK 12 I
G 3/4 f	40	62	16	20	176	ACK 34 I
NEW! NPT 3/4 f	40	62	16	20	176	ACK 34 I-NPT
G 1 f	40	62	17	20	160	ACK 10 I
NEW! NPT 1 f	40	62	17	20	155	ACK 10 I-NPT



Male Claw Couplings

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 m	40	62	14	11	142	ACK 38 A
G 1/2 m	40	62	14	15	152	ACK 12 A
G 3/4 m	40	62	15	19	148	ACK 34 A
NEW! NPT 3/4 m	41	62	16	19	150	ACK 34 A-NPT
G 1 m	40	62	15	20	152	ACK 10 A

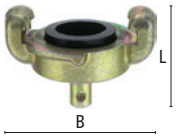
Easy male thread sealing with PVC-Packing rings type HPD (page 167)



Plain Ends

Version	L	B	Weight	Type No.
without chain	40	62	140	ACKO
with chain	40	62	150	ACKM
chain (spare part)*			7	VKM-K*

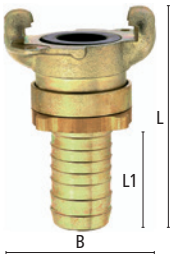
*made of steel (zinc-plated)



MODY-Safety-Hose Couplings with thread-protective ring and new sealing-ring, on both sides led in seal holder

Hose connection	L	B	L1	Passage		Weight	Type No.
Hose i.d. 12.5	92	62	41	10	5	321	ACS 13
Hose i.d. 20	92	62	41	17	5	331	ACS 19
Hose i.d. 25	92	62	41	19	5	356	ACS 25

For hose clamps DIN 20039 A, type SL (page 313)



Original MODY-Rubber Rings – Standard and Old Version

(page 169)

Claw Couplings
of Forged Brass MS 58

- "French System", interchangeable with all claw distance 42 mm types
- Universal couplings of forged brass MS 58
- With oil-resistant rubber ring MK 42 ER
- Turned seal holder, therefore 100 % tight
- According to NF E 29-573
- For compressed air and water in construction, agriculture and industry

Materials

- Claw, connector: Brass MS 58 plain
- O-rings: Buna N

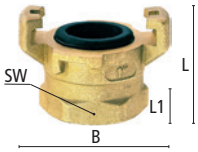
Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-40°C – +95°C	ISO 228	42 mm	Compr.air, water	10



Hose Claw Couplings

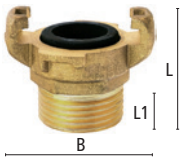
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 6	76	57	39.5	6	115	MKS 42-6
Hose i.D. 10	69	57	36.5	8	120	MKS 42-10
Hose i.D. 13	69	57	36.5	10	130	MKS 42-13
Hose i.D. 16	69	57	36.5	12	131	MKS 42-15
Hose i.D. 19	69	57	36.5	15	155	MKS 42-19
Hose i.D. 25	69	57	40	21	180	MKS 42-25

For hose clamps/clips type SL, type HS, ZOS, LPH(page 313 - 415, 418)



Female Claw Couplings

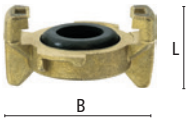
Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 f	38	17	57	13.5	8	93	MKI 42-14
G 3/8 f	33	21	57	10.5	12	97	MKI 42-38
G 1/2 f	33	26	57	11.5	15	101	MKI 42-12
G 3/4 f	36	32	57	14	21	119	MKI 42-34
G 1 f	38	39	57	15	21	124	MKI 42-10
G 1 1/4 f	43	47	57	15	21	166	MKI 42-54



Male Claw Couplings

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1/4 m	43	17	57	10.5	7	104	MKA 42-14
G 3/8 m	45	21	57	11	10	102	MKA 42-38
G 1/2 m	42	24	57	10	14	112	MKA 42-12
G 3/4 m	43	30	57	11	19	135	MKA 42-34
G 1 m	43	34	57	11	21	140	MKA 42-10
G 1 1/4 m	46	44	57	13	21	193	MKA 42-54

Easy male thread sealing with PVC-Packing rings type HPD (page 167)



Plain Ends

Version	L	B	Weight	Type No.
without chain	29	57	93	MKO 42



Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	10	34.5	21	Buna N	-40 – +95	Air/Water	black	55°	10	5	MK 42 ER

Claw Couplings

US-Version with Bore for Safety-Clips

- Robust standard couplings and Mody-Safety-Couplings of malleable iron, US-Version, zinc-plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With oil-resistant rubber ring GOOR
- To be secured against accidental opening through safety-clips DIN 11024
- US-universal coupling, widely spread system for compressed air in construction and industry

Materials

- Claw, connector: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

No coupling with claw distance of 42 mm

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-40°C – +95°C	NPT/ ISO 228	41 mm	Air a.o.	10

US-Hose Claw Couplings with safety collar

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	75	62	32	6	162	SKA 11*
Hose i.D. 13	88	62	42	9	182	SKA 13
Hose i.D. 19	105	62	56	14	244	SKA 19
Hose i.D. 25	107	62	59	20	286	SKA 25

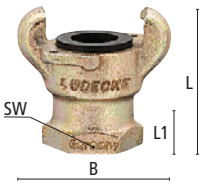
For US-hose clamps (page 314)

* SKA 11 two parts with thread stem of steel



US-Female Claw Couplings

	Thread connection	L	SW	B	L1	Passage	Weight	Type No.
NEW!	G 3/8 f	57	27	62	13.5	15	180	KIA 38 BSP
	NPT 3/8 f	57	27	62	13.5	15	187	KIA 38
NEW!	G 1/2 f	57	27	62	13.5	18	173	KIA 12 BSP
	NPT 1/2 f	57	27	62	13.5	18	181	KIA 12
NEW!	G 3/4 f	57	36	62	15	20	195	KIA 34 BSP
	NPT 3/4 f	57	36	62	15	20	201	KIA 34
NEW!	G 1 f	57	42	62	15	20	208	KIA 10 BSP
	NPT 1 f	57	42	62	15	20	218	KIA 10



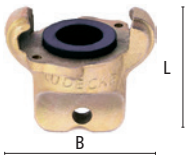
US-Male Claw Couplings

	Thread connection	L	SW	B	L1	Passage	Weight	Type No.
NEW!	G 3/8 m	56	29	62	14	9	200	KAA 38 BSP
	NPT 3/8 m	64	29	62	15	9	180	KAA 38
NEW!	G 1/2 m	56	29	62	14	12	210	KAA 12 BSP
	NPT 1/2 m	64	29	62	20	12	190	KAA 12
NEW!	G 3/4 m	64	34	62	16	17	225	KAA 34 BSP
	NPT 3/4 m	70	34	62	20	17	224	KAA 34
NEW!	G 1 m	68	38	62	18	20	250	KAA 10 BSP
	NPT 1 m	72	38	62	23	20	260	KAA 10



US-Plain End

Version	L	B	Weight	Type No.
without chain	55	62	215	UDM



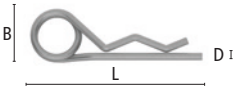
Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	10.5	34	20	Buna N	-40 / +95	Compr.Air	black	50 °	100	6	GOOR



Universal Safety Clips DIN 11024

L	B	D	Material		Weight	Type No.
27	63	3	Steel zinc-plated	50	10	USC-1



Claw Couplings

US-Version MODY-Safety-Screwing Couplings with Bore for Safety-Clips,



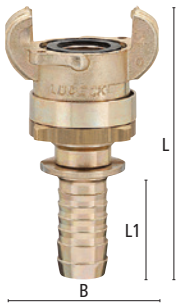
No coupling with claw distance of 42 mm

- Recommended instead of expensive and unhandy hosebreak secure systems (whip-check)
- High quality safety coupling, hose stem with special profile
- Stronger thread - protective ring and new rubber ring, on both sides led in seal holder
- With oil resistant rubber ring, on request with steam resistant rubber ring (up to 200°C),
- 100 % tight, reduces expensive air consumption: 100% couple test and sight control
- Easy to couple, secured against accidental opening, locking nut and safety clips according to DIN 11024
- Maximum bore for maximum flow capacity
- For absolutely safe air lines in construction and industry

Materials

- Claw: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)
- Locking nut: Brass MS 58 plain
- O-rings: Buna N

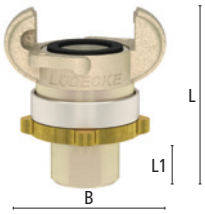
Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 16 bar	-40°C – +95°C	NPT/ISO 228	41 mm	Compressed air	5



US-MODY-Safety-Hose Couplings with safety collar

Hose connection	L	B	L1	∅ Collar	Passage	Weight	Type No.
Hose i.D. 10	111	62	41	21	6.5	320	SSC 10
Hose i.D. 13	118	62	41	24	10	360	SSC 13
Hose i.D. 19	120	62	40.5	34	15	385	SSC 19
Hose i.D. 25	120	62	40.5	39	18	420	SSC 25

For US-hose clamps (¡ page 314)



US-MODY-Safety Female Couplings

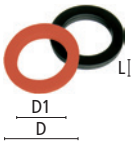
Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	64	62	13	13	250	SSCI 38
NEW! NPT 3/8 f	64	62	13	13	252	SSCI 38 NPT
G 1/2 f	65	62	15	17	280	SSCI 12
NEW! NPT 1/2 f	65	62	15	17	290	SSCI 12 NPT
G 3/4 f	92	62	20	17	420	SSCI 34
NEW! NPT 3/4 f	92	62	20	17	420	SSCI 34 NPT



US-MODY-Safety Male Couplings

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 m	72	62	13	10	260	SSCA 38*
NEW! NPT 3/8 m	72	62	13	10	270	SSCA 38 NPT
G 1/2 m	74	62	14	13	260	SSCA 12*
NEW! NPT 1/2 m	74	62	14	13	270	SSCA 12 NPT
G 3/4 m	75	62	15	17	270	SSCA 34*
NEW! NPT 3/4 m	75	62	15	17	280	SSCA 34 NPT

*with LÜDSY- Thread sealing



Original MODY-Rubber Rings – Standard Version

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Oil	4	30	21	Buna N	-40 – +95	Compr.air	black	75°	50	1.7	SGOR-N
Steam	4	30	21	TFEP	-40 – +200	Steam	red	65°	10	1.7	SDOR-N

Complete Screwing Sets
DIN 8537/20 033 with Hose Stem

- Complete Screwing Sets of steel / malleable iron, zinc-plated and yellow passivated (free of chrome VI) consisting of connecting nut and tapered stem
- Complete Screwing Sets with safety collar and turned stem profile for perfect fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (page 250/ 251)
- World-wide used system for compressed air, water, etc. in construction, mining or tunneling.

Materials

- Tapered stem: Steel or malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: : Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Temperature	Thread	Norm	Media
PN 16 / 25 bar	- 40°C – + 95°C	ISO 228 / DIN 405	DIN 8537 / 20 033	Compr.air/Water

Complete Screwing Sets with safety collar

Hose connect.	Thread connect.	L	B	Cone	∅ Collar	Passage		Weight	Type No.
Hose i.D. 13	G 3/4 f	79	58	1:4	21	10	10	166	**34/13 S**
Hose i.D. 15	G 3/4 f	79	58	1:4	26	12	10	175	**34/15 S**
Hose i.D. 19	G 3/4 f	80	58	1:4	33	13	10	200	**34/19 S**
Hose i.D. 19	G 1 f	85	65	1:3	33	15	10	244	**10/19 S**
Hose i.D. 25	G 1 f	90	65	1:3	38	16	10	290	**10/25 S**
Hose i.D. 13	Rd 32x1/8 f	83	65	1:3	22	10	10	249	**32/13 S**
Hose i.D. 15	Rd 32x1/8 f	85	65	1:3	26	12	10	229	**32/15 S**
Hose i.D. 19	Rd 32x1/8 f	85	65	1:3	33	15	10	251	**32/19 S**
Hose i.D. 25	Rd 32x1/8 f	90	65	1:3	38	16	10	310	**32/25 S**
Hose i.D. 25	Rd 38x1/8 f	98	76	1:3	38	19	5	426	**38/25 S**
Hose i.D. 32	Rd 46x1/6 f	124	86	1:3	50	25	1	685	**46/32 S**
Hose i.D. 35	Rd 55x1/6 f	131	95	1:3	55	30	1	829	**55/35 S**
Hose i.D. 38	Rd 55x1/6 f	131	95	1:3	55	31	1	864	**55/38 S**
Hose i.D. 42	Rd 62x1/6 f	139	105	1:3	63	35	1	1216	**62/42 S**
Hose i.D. 38	Rd 75x1/6 f	140	137	1:3	55	31	1	1420	**75/38 S**
Hose i.D. 50	Rd 75x1/6 f	149	137	1:3	77	45	1	1725	**75/50 S**
Hose i.D. 53	Rd 75x1/6 f	149	137	1:3	77	45	1	1848	**75/53 S**
Hose i.D. 75	Rd 105x1/4 f	206	158	1:3	110	67	1	3974	**105/75 S**



For hose clamps DIN 20039 B, type SK (page 313)

For higher temperatures we recommend steam screwings DIN EN 14 423 (page 250)

FlatLock Flat Hose Screwings (page 182)

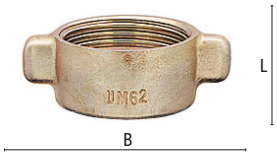
We produce flat hose fittings according to hose samples/dimensions with assembly recommendation for hydraulic crimping with crimping ferrules, safety clamps, wire or steel band. Various types on stock!



Connecting Nuts and Tapered Stems

DIN 8537/20 033

- Screwings with cone of steel / malleable iron, zinc-plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered stem without safety collar
- Turned stem profile for perfect fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (Page 184/ 185)
- World-wide used system for compressed air, water, etc. in construction, mining or tunneling.



Max. Working Pressure	Temperature	Media
PN 16 / 25 bar	- 40°C – + 95°C	Compr.air / Water

Connecting Nuts of malleable iron corresponding to →

Thread connection	L	B	Passage		Weight	Type No.
G 3/4 f	23	58	21.5	10	92	UM 34
G 1 f	28	65	23	10	133	UM 10
Rd 32x1/8 f	28	65	23	10	139	UM 32
Rd 32x1/8 f	28	65	27.5	10	129	UM 32/2
G1 f	28	65	27.5	10	124	UM 10/2
Rd 38x1/8 f	33	76	29	10	234	UM 38
Rd 46x1/6 f	36	86	35	1	301	UM 46
Rd 55x1/6 f	38	95	43	1	378	UM 55
Rd 62x1/6 f	44	105	49	1	555	UM 62
Rd 75x1/6 f	50	137	61	1	797	UM 75
Rd 105x1/4 f	60	158	89	1	1545	UM 105

Materials

- Connecting nut: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-ring: Buna N

Tapered stems of steel

Hose connection	L	B	Cone		Weight	Type No.
Hose i.D. 13	79	24	1:4	10	74	**T 13 B**
Hose i.D. 15	79	24	1:4	10	72	**T 15 B**
Hose i.D. 19	80	24	1:4	10	94	**T 19 B**
Hose i.D. 13	80	28	1:3	10	104	**ST 13 B**
Hose i.D. 15	80	28	1:3	10	83	**ST 15 B**
Hose i.D. 19	80	28	1:3	10	100	**ST 19 B**
Hose i.D. 19	80	28	1:3	10	105	**ST 19 B-PH***
Hose i.D. 13	80	28	1:3	10	104	**ST 13 B**
Hose i.D. 15	80	28	1:3	10	83	**ST 15 B**
Hose i.D. 19	80	28	1:3	10	100	**ST 19 B**
Hose i.D. 19	80	28	1:3	10	109	**ST 19 B-PH***
Hose i.D. 25	85	29	1:3	10	163	**ST 25 B/3**
Hose i.D. 25	85	30	1:3	10	148	**ST 25 B/2**
Hose i.D. 25	90	33	1:3	10	164	**ST 25 B**
Hose i.D. 25	88.5	33	1:3	10	200	**ST 25 B-PH***
Hose i.D. 32	120	40	1:3	1	355	**ST 32 B**
Hose i.D. 38	125	48	1:3	1	465	**ST 38 B**
Hose i.D. 38	110	48	1:3	1	420	**ST 38 B-PH***
Hose i.D. 42	130	57	1:3	1	558	**ST 42 B**
Hose i.D. 50	140	68	1:3	1	896	**ST 50 B**
Hose i.D. 53	140	68	1:3	1	947	**ST 53 B**
Hose i.D. 75	189	98	1:3	1	1990	**ST 75 B**



For hose clamps DIN 20039 A, type SL (page 313)
*for hydraulic crimping with socket (page 191)
other types also available on request!

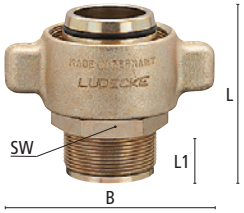
Complete Screwing Sets
DIN 20 033 with Male Thread

- Screwings with cone made of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered nipple
- Complete Screwing Set for the direct connection of thread to machine/tool
- Tapered nipple with cone 1:3 generally with additional O-ring sealing
- World-wide used system for compressed air in construction, mining and tunnelling

Materials

- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: Malleable iron zinc-plated and yellow passivated
- O-rings: Buna N

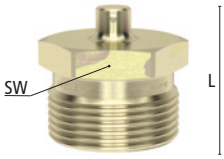
Max. Working Pressure	Temperature	Thread	Norm	Cone	Media	
PN 16 / 25 bar	- 40°C – + 95°C	ISO 228 / DIN 405	DIN 20 033	1:3	Compressed Air	1



Complete Screwing Sets with male thread

Thread connection	L	SW	B	L1	Passage	Weight	Type No.
G 1 1/4 m - RD 55x1/6 f	87	50	95	20	32	890	**55/54 A**
G 2 m - RD 75x1/6 f	115	65	137	30	45	1850	**75/20 A**

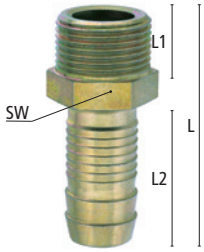
Other dimensions on request.



Screw Caps for Complete Screwing Sets DIN 20 033

Thread connection	L	SW		Weight	Type No.
Rd 75 x 1/6 f	75	75	5	1009	**VS 75**

With hexagon to facilitate the assembly.
Other dimensions on request.



Male thread stems with cone

Hose connect.	Thread connect.	L	SW	L1	L2	Passage		Weight	Type No.
Hose i.D. 25	Rd 38x1/8 m	75	41	23	41	20	10	210	**G 38-25 T**
Hose i.D. 38	Rd 55x1/6 m	95	55	32	50	33	1	800	**G 55-38 T***
Hose i.D. 50	Rd 75x1/6 m	117	75	40	65	45	1	1120	**G 75-50 T***
Hose i.D. 53	Rd 75x1/6 m	117	75	40	65	47	1	1140	**G 75-53 T***

*with safety collar
Suitable for Complete Screwing Sets.
For hose clamps DIN 20039 A, type SL (page 313)
Further dimensions on request.

Complete Screwing Sets

Flat Sealing. Compatible to Type "Atlas Copco"

- Screwings made of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Consisting of connecting nut and flat sealing hose stem with O-ring
- Complete Screwing Sets with turned stem profile for perfect fit of the hose
- Further hose assembly methods, for example with crimping ferrules or safety clamps, and also other dimensions on request
- Popular screwing system for compressed air in mining and tunnelling
- Interchangeable with Screwing System type "Atlas Copco"

Materials

- Hose stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Connecting nut: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Temperature	Media	Thread	
PN 16 / 25 bar	- 40°C – + 95°C	Compressed air, Water	DIN 405	1

Complete Screwing Sets flat sealing

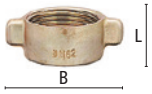
Hose connection	Thread connection	L	B	Passage	Weight	Type No.
Hose i.D. 50	RD 65x1/6 f	166	105	45	1300	65/50 FL
Hose i.D. 53	RD 65x1/6 f	166	105	47	1320	65/53 FL

For hose clamps DIN 20 039 A, type SL (page 313)



Single Connecting Nuts

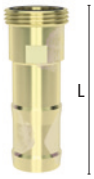
Thread connection	L	B	Passage	Weight	Type No.
Rd 65 x 1/6 f	36	105	56.5	555	UM 65



Single Hose stems, flat sealing

Hose connection	L	Passage	Weight	Type No.
Hose i.D. 50	166	45	745	FT 50 L
Hose i.D. 53	166	48	765	FT 53 L

For hose clamps DIN 20 039 A, type SL (page 313)



Rubber rings for flat sealing hose stems

Resistance	L	D	Material	Temp. °C	Media	Shore A	Weight	Type No.
Oil	3	55	Buna N	-40°C - +95°C	Compressed air	65 °	2	ED 50 L

Double Nipples Flat Sealing

- Nipples made of steel, zinc-plated and yellow passivated (free of chrome VI)
- Suitable for flat sealing Complete Screwings (above)
- For the direct connection of fitting to machine/tool for compressed air in mining and tunnelling

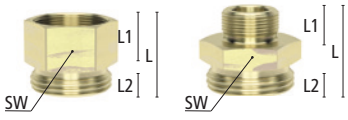
Materials

- Double Nipples: Steel zinc-plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Temperature	Thread	Media	
PN 25 bar	- 40°C – + 95°C	ISO 228 / DIN 405	Compressed air	1

Double nipples, flat sealing, with male/ male thread or rather male/ female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1 1/4 m - RD 65x1/6 m	58	65	22	20	665	N 6554 A
G 1 1/2 m - RD 65x1/6 m	58	65	22	20	675	N 6515 A
G 2 m - RD 65x1/6 m	58	65	22	20	680	N 6520 A
G 2 f - RD 65x1/6 m	55	65	25	20	650	N 6520 I
RD 75 x 1/6 m - RD 65x1/6 m	77	75	41	20	1192	N 6575 A



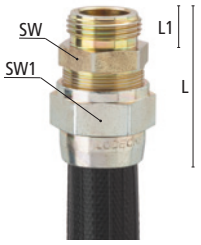
Flat Hose Screwings

- MODY-Safety-Screwing-Couplings, thread and complete screwing with squeeze ring and thread ferrule for an absolutely safe connection of flat hoses for compressed air 3/4 to 1 1/2 inch
- The exact version (size of squeeze ring) always has to be adapted for the used flat hose
- Please indicate exact dimensions or samples of the hose before ordering
- Usable for compressed air applications in construction, mining and tunneling

Materials

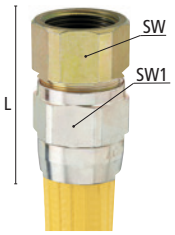
- Claw, Connecting nut: Malleable iron zinc-plated und yellow passivated (free of Chrome-VI)
- Connector, Squeeze ring, squeeze nut: Steel zinc-plated und yellow passivated (free of Chrome-VI)
- Locking nut: Brass MS 58 plain
- Seals: Buna N

Max. Working Pressure	Temperature	Thread	Norm	Media
PN 16/25 bar	-40°C – +100°C	ISO 228/DIN 405	DIN 3238/20033	Air a.o.



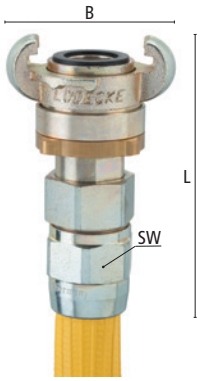
FlatLock Squeeze Ring Screwing with male thread connection

Hose connect.	Thread connect.	L	SW	L1	SW1	Passage		Weight	Type No.
Hose i.D. 19	G 3/4 m	65	32	13	32	17	5	205	**G 34-19...FLTQ**
Hose i.D. 25	G 1 m	65	36	14	41	22	5	290	**G 10-25...FLTQ**



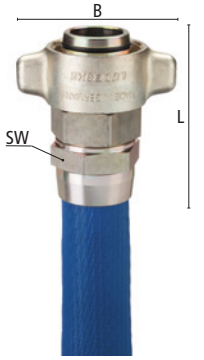
FlatLock Squeeze Ring Screwing with female thread connection

Hose connect.	Thread connect.	L	SW	SW1	Passage		Weight	Type No.
Hose i.D. 19	G 3/4 i	60	32	32	17	5	195	**GI 34-19...FLTQ**
Hose i.D. 25	G 1 i	61	36	41	22	5	265	**GI 10-25...FLTQ**



FlatLock Squeeze Ring Screwing with MODY-safety claw coupling DIN 3238

Hose connection	L	SW	B	Passage		Weight	Type No.
Hose i.D. 19	118	32	63	17	5	550	**SSG 19...FLTQ**
Hose i.D. 25	129	41	63	17	5	630	**SSG 25...FLTQ**



FlatLock Squeeze Ring Screwing with complete screwing Set DIN 20033

Hose connect.	Thread connect.	L	SW	B	Cone	Passage		Weight	Type No.
Hose i.D. 38	RD 55x1/6 f	150	55	95	1:3	31	1	1500	**55/38...FLTQ**

Adaptable with conical nipples(page 184 / 185)

Further fittings and hose dimensions on request.



Connecting Nipples

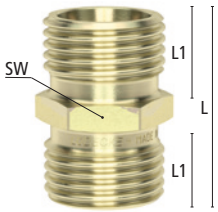
- Nipples of steel or malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Suitable for screwings (page 246 - 248) DIN 8537/20033
- Worldwide used system for compressed air, water etc. in construction, mining and tunneling

Materials:

- Connecting nipples: Steel or malleable iron zinc-plated and yellow passivated (free of chrome VI)

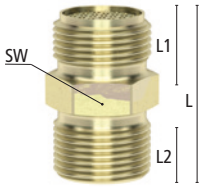
Max. Working Pressure	Thread	Media
PN 25 bar	ISO 228 / DIN 405	Compressed air / water

Double Nipples DIN 8537/20036



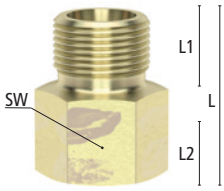
Thread connection	L	SW	L1	Cone		Weight	Type No.
2 x G 3/4 m	47	27	19	2 x 1:4	10	107	V 34 N
2 x G 3/4 m	47	32	19	2 x 1:4	10	125	V 34-32 N
2 x G 1 m	55	36	23	2 x 1:3	10	197	V 10 N
2 x Rd 32x1/8 m	55	32	23	2 x 1:3	10	163	V 32 N
2 x Rd 38x1/8 m	62	41	26	2 x 1:3	10	283	V 38 N
2 x Rd 46x1/6 m	70	46	30	2 x 1:3	1	410	V 46 N
2 x Rd 55x1/6 m	78	55	32	2 x 1:3	1	648	V 55 N
2 x Rd 62x1/6 m	88	65	36	2 x 1:3	1	869	V 62 N
2 x Rd 75x1/6 m	100	75	41	2 x 1:3	1	1490	V 75 N
2 x Rd 105x1/6 m	122	105	51	2 x 1:3	1	2990	V 105 N

Sieve Nipples DIN 20037



Thread connection	L	SW	L1	L2	Cone	Sieve		Weight	Type No.
G 3/8 m - G 3/4 m	38	27	10	19	1:4	inner	10	84	N 38 IS
G 1/2 m - G 3/4 m	40	27	12.5	19	1:4	inner	10	85	N 23 IS
G 1/2 m - Rd 32x1/8 m	44	32	12.5	23	1:3	inner	10	126	N 82 IS
G 3/4 m - G 3/4 m	44	27	16	19	1:4	inner	10	104	N 34 IS
G 3/4 m - G 3/4 m	44	32	16	19	1:4	inner	10	120	N 34-32 IS
G 3/4 m - Rd 32x1/8 m	48	32	16	23	1:3	inner	10	135	N 32 IS
G 3/4 m - G 1 m	48	36	16	22	1:3	inner	10	173	N 341 IS
G 3/4 m - G 3/4 m	44	27	16	23	1:4	outer	10	100	N 34 AS
G 3/4 m - G 3/4 m	44	32	16.5	19	1:4	outer	10	120	N 34-32 AS
G 3/4 m - Rd 32x1/8 m	48	32	16.5	19	1:3	outer	10	130	N 32 AS
G 3/4 m - Rd 32x1/8 m	48	32	16.5	23	1:3	without	10	142	N 32 OS
G 1 m - Rd 32x1/8 m	49	36	16	22	1:3	inner	10	193	N 132 IS
G 1 m - Rd 34x1/8 m	54	41	18	26	1:3	without	10	252	N 18 OS
G 1 m - Rd 46x1/6 m	58	46	18	30	1:3	without	1	345	N 46-10 OS
G 1 /4 m - Rd 46x1/6 m	58	46	18	30	1:3	without	1	331	N 46-54 OS
G 1 1/2 m - Rd 46x1/6 m	63	50	23	30	1:3	without	1	445	N 46 OS
G 1 1/4 m - Rd 55x1/6 m	63	55	18	32	1:3	without	1	536	N 55-54 OS
G 1 1/2 m - Rd 55x1/6 m	68	55	23	32	1:3	without	1	529	N 55 OS
G 2 m - Rd 55x1/6 m	70	65	25	32	1:3	without	1	860	N 55-20 OS
G 1 1/2 m - Rd 62x1/6 m	75	65	23	36	1:3	without	1	764	N 62 OS
G 2 m - Rd 62x1/6 m	75	65	25	36	1:3	without	1	820	N 62-20 OS
G 1 1/2 m - Rd 75x1/6 m	80	75	23	41	1:3	without	1	1220	N 75-15 OS
G 2 m - Rd 75x1/6 m	85	75	28	41	1:3	without	1	1196	N 75 OS
G 2 1/2 m - Rd 75x1/6 m	85	75	28	41	1:3	without	1	1387	N 75-25 OS
G 3 m - Rd 105x1/4 m	100	105	29	51	1:3	without	1	2290	N 105 OS

Connecting Nipples

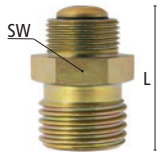


Thread connection	L	SW	L1	L2	Cone		Weight	Type No.
G 3/4 f - G 3/4 m	44	32	19	19	1:4	10	126	A 34 N
G 3/4 f - G 1 m	48	36	23	19	1:3	10	200	A 3410 N
G 3/4 f - Rd 32x1/8 m	47	32	21.5	19	1:3	10	136	A 32 N
G 3/4 f - Rd 38x1/8 m	48	41	25	19	1:3	10	270	A 38 N
G 1 f - Rd 32x1/8 m	50	41	23	22	1:3	10	206	A 1032 N
G 1 f - Rd 38x1/8 m	52	41	25	22	1:3	10	239	A 10 N

Connecting Nipples

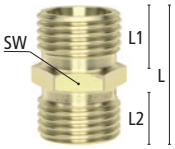
Self-locking Nipple with brass valve

Thread connection	L	SW	Cone	📦	Weight	Type No.
G 3/4 m - Rd 32x1/8 m	49	32	1:3	10	153	SN 32 ST



Combination Nipple

Thread connection	L	SW	L1	L2	Cone	📦	Weight	Type No.
G 1 m - G 3/4 m	51	36	23	19	1:4	10	179	V 1034 N



Hot Tar Screwing

- Hot tar screwing of steel/malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Easy to screw through wing nut; tapered Stem with safety collar
- For hose connection on hot tar spraying devices, hot tar lances a.o.

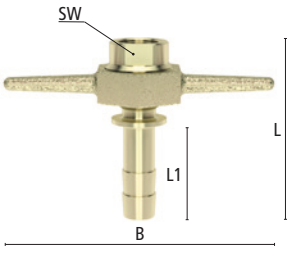
Materials:

- Tapered stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Wing nut: malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Nipple: Steel zinc-plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Thread	Media	📦
PN 25 bar	ISO 228	hot tar	1

Hot Tar Screwing

Type	Connection	L	B	SW	L1	Passage	Weight	Type No.
Hot tar screwing complete	Hose i.D. 3/4 x G 3/4 f	112	165	32	60	15	506	HTV-SB*
Tapered stem	Hose i.D. 3/4, Cone 1:3					15	200	HTVT-SB*
Wing nut	G 1 1/4 f					-	207	HTVM
Nipple	G 3/4 f x G 1 1/4 m, Cone 1:3					-	99	HTVET



For hose clamps DIN 20039 B, type SK 34 (page 313)
Other sizes on request.
*with safety collar

Thread Stems

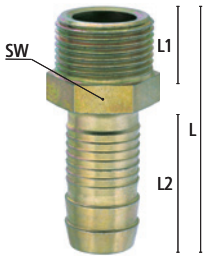
- Thread stems of steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in construction, industry or plant engineering

Materials

- Thread stem: Steel zinc-plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Thread	Media
PN 16 / 25 bar	ISO 228 / DIN 405	Compressed air

Male thread stems without safety collar*

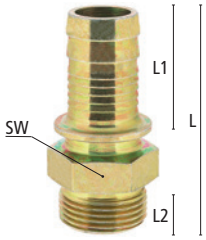


Hose connect.	Thread connect.	L	SW	L1	L2	Passage		Weight	Type No.
Hose i.D. 9	G 1/4 m	44	14	9	28	6	10	22	**G 14-9 T**
Hose i.D. 10	G 3/8 m	45	19	10	28	7	10	31	**G 38-10 T**
Hose i.D. 13	G 1/4 m	44	17	9	28	8.5	10	35	**G 14-13 T**
Hose i.D. 13	G 3/8 m	45	19	10	28	10	10	35	**G 38-13 T**
Hose i.D. 13	G 1/2 m	65	22	15	41	10	10	60	**G 12-13 T**
Hose i.D. 13	G 3/4 m	65	27	16	41	10	10	85	**G 34-13 T**
Hose i.D. 15	G 3/8 m	48	22	10	41	10	10	45	**G 38-15 T**
Hose i.D. 15	G 1/2 m	65	22	15	41	12	10	62	**G 12-15 T**
Hose i.D. 15	G 3/4 m	65	27	16	41	12	10	92	**G 34-15 T**
Hose i.D. 19	G 1/2 m	65	22	15	41	14	10	82	**G 12-19 T**
Hose i.D. 19	G 3/4 m	65	27	16	41	15	10	99	**G 34-19 T**
Hose i.D. 25	G 3/4 m	65	27	16	39	19	10	118	**G 34-25 T**

*PN 16 bar

For hose clamps DIN 20039 A, type SL (page 313)

Male thread stems with safety collar**

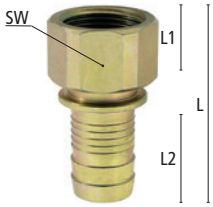


Hose connect.	Thread connect	L	SW	L1	L2	∅Safety collar	Passage		Weight	Type No.
Hose i.D. 13	G 1/2 m	73	22	40	15	22	10	10	75	**G 12-13 TB**
Hose i.D. 19	G 3/4 m	72	32	40	15	32	15	10	142	**G 34-19 TB**
Hose i.D. 19	G 1 m	74	36	40	17	32	15	10	175	**G 10-19 T**
Hose i.D. 25	G 1 m	80	36	41	17	36	20	10	220	**G 10-25 T**
Hose i.D. 25	G 1 1/4 m	90	46	48	18	39	20	5	321	**G 54-25 T**
Hose i.D. 32	G 1 1/4 m	92	46	48	20	45	25	5	406	**G 54-32 T**
Hose i.D. 38	G 1 1/2 m	100	55	51	22	53	33	1	532	**G 15-38 T**
Hose i.D. 42	G 1 1/2 m	100	55	51	22	54	35	1	571	**G 15-42 T**
Hose i.D. 50	G 2 m	125	65	72	25	64	42	1	943	**G 20-50 T**
Hose i.D. 53	G 2 m	125	75	72	25	74	44	1	1123	**G 20-53 T**
Hose i.D. 75	G 3 m	185	90	120	30	95	68	1	2033	**G 30-75 T**

*PN 25 bar

For hose clamps DIN 20039 B, type SK (page 313)

Female thread stems with safety collar**



Hose connect.	Thread connect.	L	SW	L1	L2	∅Safety collar	Passage		Weight	Type No.
Hose i.D. 19	G 3/4 f	71	32	19	40	32	15	10	134	**G 34-19 TI**
Hose i.D. 19	G 1 f	73	41	20	40	32	15	10	197	**G 10-19 TI**
Hose i.D. 25	G 1 f	75	41	20	41	36	20	10	227	**G 10-25 TI**
Hose i.D. 25	G 1 1/4 f	80	50	23	41	36	20	5	323	**G 54-25 TI**
Hose i.D. 32	G 1 1/4 f	86	50	23	48	45	25	5	390	**G 54-32 TI**

**PN 25 bar

For hose clamps DIN 20039 B, type SK (page 313)

Hose Connections and Thread Ferrule Screwings

- Hose connections of steel, zinc-plated and yellow passivated (free of chrome VI)
- Simple and safe hose connection with turned stem profile
- Male thread nipples with thread ferrule reusable!
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in various fields

Materials:

- Connection, screwing: Steel zinc-plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Media
PN 16 / 25 bar	Compressed air a.o.

Hose Connections DIN 20038 without safety collar*

Hose connection	L	D	Passage		Weight	Type No.
Hose i.D. 10	75	11	8	10	25	**SV 10 R**
Hose i.D. 13	80	13.5	9	10	44	**SV 13 R**
Hose i.D. 15	105	17	12.5	10	73	**SV 15 R**
Hose i.D. 19	105	21	16	10	93	**SV 19 R**
Hose i.D. 25	160	26.5	22	10	166	**SV 25 R**
Hose i.D. 32	175	33.5	27	5	351	**SV 32 R**
Hose i.D. 38	215	40	33	5	430	**SV 38 R**
Hose i.D. 50	225	51	45	1	670	**SV 50 R**
Hose i.D. 53	225	54	46	1	960	**SV 53 R**

*PN 16 bar

For hose clamps DIN 20039 A, type SL (page 313)

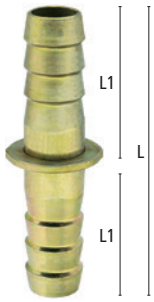


Hose Connections DIN 20038 with safety collar**

Hose connection	L	D	L1	∅Safety collar	Passage		Weight	Type No.
Hose i.D. 13	80	13.5	38.5	25	9	10	48	**SV 13 R/S**
Hose i.D. 15	105	17	50.5	30	12.5	10	77	**SV 15 R/S**
Hose i.D. 19	105	21	51.5	34	16	10	107	**SV 19 R/S**
Hose i.D. 25	160	26.5	78.5	42	22	10	170	**SV 25 R/S**
Hose i.D. 32	175	33.5	60	50	27	5	382	**SV 32 R/S**
Hose i.D. 38	215	40	96	56	33	5	490	**SV 38 R/S**
Hose i.D. 50	225	51	110	78	45	1	870	**SV 50 R/S**
Hose i.D. 53	225	54	110	78	46	1	1126	**SV 53 R/S**
Hose i.D. 75	250	76	120	110	68	1	1811	**SV 75 R/S**

**PN 25 bar

For hose clamps DIN 20039 B, type SK (page 313)



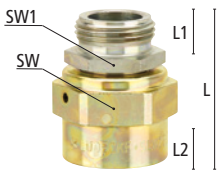
Male thread nipples with thread ferrule (according to DIN EN 14424)*

Hose connect.	Thread connect.	L	SW	L1	SW1	L2	Passage		Weight	Type No.
Hose 13x3	G 1/2 m	50	22	12	22	27	11	10	102	**G 12-133 TQ**
Hose 13x5	G 1/2 m	50	22	12	22	27	11	10	104	**G 12-135 TQ**
Hose 15x5	G 3/4 m	52	27	13	27	30	13	10	140	**G 34-155 TQ**
Hose 19x5	G 3/4 m	52	27	13	27	30	17	10	170	**G 34-195 TQ**
Hose 19x6	G 3/4 m	52	27	13	27	30	17	10	180	**G 34-196 TQ**
Hose 25x5	G 1 m	58	36	14	36	36	22	10	220	**G 10-255 TQ**
Hose 25x7	G 1 m	58	36	14	36	36	22	10	230	**G 10-257 TQ**

*PN 16 bar

Assembly instructions for thread ferrules (page 433)

Other sizes on request.



PN 50
LUDECKE

Mortar Couplings made of Aluminium

Type Size X25, rigid and swivelling

- Couplings with female thread, optionally rigid or swivelling
- Mainly used directly at the spraying nozzle, 60 % weight reduction compared with steel version, therefore essentially easier application
- Swivelling Version three parts, lead in teflon slide, therefore extremely robust and tight
- Swivelling concept avoids hose twist of the rigid mortar hoses for much easier application

Materials:

- Female thread: Aluminium
- Handles: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N, PTFE, PUR*

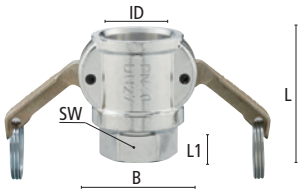
Max. Working Pressure	Thread	System	TÜV-inspected	Media	
PN 40 bar	ISO 228	X25	all types	Mortar/concrete	1

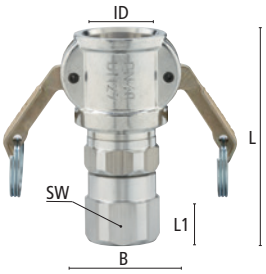
Coupling with female thread

Thread connection	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.
G 1 f	72	41	70	X25	42	19	25	rigid	290	MIG 10-X25A
G 1 f	120	41	70	X25	42	21	23	swivelling	405	MIG 10-X25ADR*

Rubber rings Type No. MDR-X25 and handles Type No. MNH-630 (page 191)

*Female thread sealing ring material polyurethane





Mortar Couplings

made of Malleable Iron/ Steel - Interchangeable with System "Mai"

Materials:

- Female thread, handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- Male thread: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

Max. Working Pressure	Thread	Media	
PN 50 bar	ISO 228	Mortar/concrete	1

Coupling with female thread and 1 handle

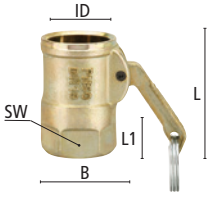
Thread connection	L	SW	B	ID	L1	Passage	Weight	Type No.
G 1 f	70	41	55	38	16	25	375	MIG 10-MA

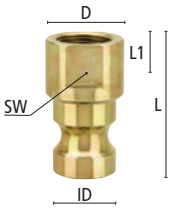
Rubber rings, type no. EDR-100-BU (page 332)

Plug with female thread

Thread connection	L	SW	D	ID	L1	Passage	Weight	Type No.
G 1 f	80	41	46	37.5	18.5	25	405	VIG 10-MA

For hose connection use screwing stems for steel band (page 259) or crimping ferrules (page 191)

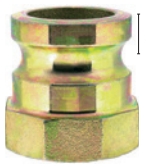




Mortar Couplings

made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version

- Couplings of malleable iron / steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on request!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication

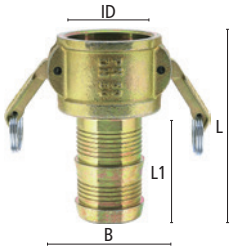


System 22 (for all type-sizes except 42)



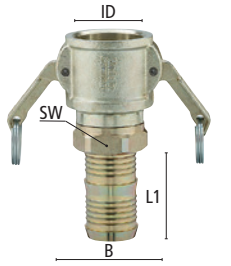
System 23.5 (only type-sizes 35 and 50!)

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	all types	all types	Mortar/concrete	1



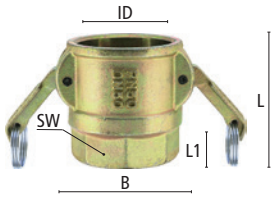
Couplings with hose stem (full passage)

Hose connect.	L	B	Type-Size	ID	L1	Passage	System	Weight	System 22 Type No.	System 23.5 Type No.
Hose i.D. 25	120	55	25	35.5	67	20	rigid, 1 Handle	477	MST 25	Same dimension
Hose i.D. 25	138	74	X25	42	64	25	rigid, 2 Handles	778	MST-X25	Same dimension
Hose i.D. 35	132	77	35	51	75	29	rigid, 2 Handles	795	MST 35	MST 35-N
swivelling Hose i.D. 35	152	77	35	51	68	30	swivelling, 2 Handles	970	MST 35-DR	MST 35-DR-N
Hose i.D. 38	146	77	35	51	64	33	rigid, 2 Handles	903	MST 38/35	MST 38/35-N
Hose i.D. 42	144	84	42	54	67	38	rigid, 2 Handles	960	MST 42**	Same dimension
Hose i.D. 50	140	94	50	64	83	43	rigid, 2 Handles	1195	MST 50	MST 50-N
Hose i.D. 65	185	105	65	74	98	56	rigid, 2 Handles	2172	MST 65*	Same dimension



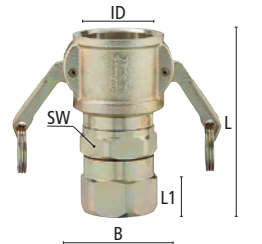
Couplings with hose stem (reduced passage)

Hose connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
Hose i.D. 19	122	41	55	25	35.5	50	16	rigid, 1 Handle	512	MST 25/19 R	Same dimension
Hose i.D. 19	125	41	74	X25	42	50	16	rigid, 2 Handles	760	MST-X25/19 R	Same dimension
Hose i.D. 25	138	50	77	35	51	64	24	rigid, 2 Handles	783	MST 35/25 R	MST 35/25 R-N
Hose i.D. 35	160	70	94	50	64	77	30	rigid, 2 Handles	1495	MST 50/35 R	MST 50/35 R-N
Hose i.D. 42	160	70	94	50	64	77	38	rigid, 2 Handles	1510	MST 50/42 R	MST 50/42 R-N



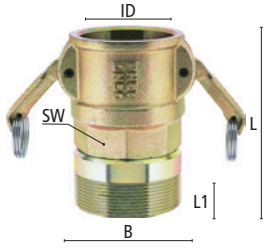
Couplings with female thread

Thr. connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
G 1 f	70	41	55	25	35.5	18	24	rigid, 1 Handle	410	MIG 10/25	Same dimension
G 1 f	73,5	41	74	X25	42	19	25	rigid, 2 Handles	652	MIG 10-X25	Same dimension
G 1 f	74	50	77	35	51	19	30	rigid, 2 Handles	770	MIG 10/35	MIG 10/35-N
G 1 1/4 f	74	50	77	35	51	19	35	rigid, 2 Handles	648	MIG 54/35	MIG 54/35-N
swivelling G 1 1/4 f	125	50	77	35	51	23	33	swivelling, 2 Handles	1170	MIG 54/35-DR	MIG 54/35-N-DR
G 1 1/2 f	74	56	77	35	51	19	35	rigid, 2 Handles	766	MIG 15/35	MIG 15/35-N
G 1 1/2 f	66	60	84	42	54	19	38	rigid, 2 Handles	730	MIG 15/42**	Same dimension
G 2 f	79	70	94	50	64	26	50	rigid, 2 Handles	990	MIG 20/50	MIG 20/50-N
swivelling G 2 f	135	70	94	50	64	25	43	swivelling, 2 Handles	1550	MIG 20/50-DR	MIG 20/50-DR-N
G 2 1/2 f	81	84	105	65	74	26	58	rigid, 2 Handles	1027	MIG 25/65*	Same dimension



Couplings with male thread

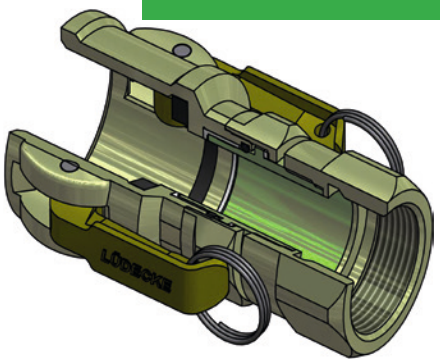
Thr. connect.	L	SW	B	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
G 1 m	91	41	55	25	35.5	17	24	rigid, 1 Handle	485	MAG 10/25	Same dimension
G 1 m	90	41	74	X25	42	16	25	rigid, 2 Handles	735	MAG 10-X25	Same dimension
G 1 1/4 m	93	50	77	35	51	19	33	rigid, 2 Handles	793	MAG 54/35	MAG 54/35-N
G 1 1/2 m	98	60	84	42	54	22	38	rigid, 2 Handles	935	MAG 15/42**	Same dimension
G 2 m	113	70	94	50	64	25	47	rigid, 2 Handles	1420	MAG 20/50	MAG 20/50-N
G 2 1/2 m	119	84	94	50	64	25	50	rigid, 2 Handles	1620	MAG 25/50	MAG 25/50-N



* max. working pressure for type-size 65 PN 25 bar

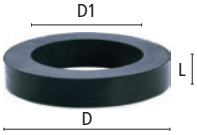
**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Mortar Couplings



Materials

- Female thread, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N
- Hose thread: Steel zinc-plated and and yellow passivated (free of chrome VI)



Seals of Buna N
55° Shore A



Handle with safety-ring and slottet pin of malleable iron zinc-plated and yellow passivated (free of chrome VI)

			Suitable spare parts (Packing Unit 10 St.)	
L	D	D1	Type No.	Type No.
6	36	24,5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6.5	55	41	MDR 42	MNH-628
6	67	51	MDR 50	MNH-636
6.3	76	61	MDR 65	MNH-636

L	D	D1	Type No.	Type No.
6	36	24.5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	67	51	MDR 50	MNH-636
6	67	51	MDR 50	MNH-636

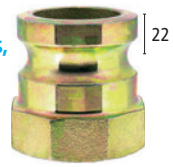
L	D	D1	Type No.	Type No.
6	36	24.5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6	53.5	36.5	MDR 35	MNH-628
6.5	55	41	MDR 42	MNH-628
6	67	51	MDR 50	MNH-636
6	67	51	MDR 50	MNH-636
6.3	76	61	MDR 65	MNH-636

L	D	D1	Type No.	Type No.
6	36	24.5	MDR 25	MNH-628
6	43.5	28.5	MDR-X25	MNH-630
6	53.5	36.5	MDR 35	MNH-628
6.5	55	41	MDR 42	MNH-628
6	67	51	MDR 50	MNH-636
6	67	51	MDR 50	MNH-636

Mortar Plugs

made of Malleable Iron/ Steel, Rigid and Swivelling - Standard Version

- Plugs of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying- devices, plastering machines a.o.
- Other swivelling types on rquest!
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication

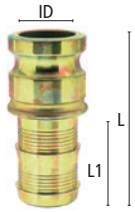


System 22
(for all type-sizes except 42)



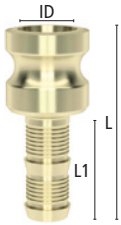
System 23.5
(only type-sizes 35 and 50!)

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	ISO 228	all types	Mortar/concrete	1



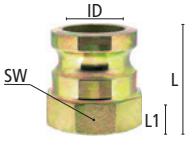
Plugs with hose stem (full passage)

	Hose connect.	L	Type-Size	ID	L1	Passage	System	Weight	Type No. System 22	Type No. System 23.5
	Hose i.D. 25	110	25	35	64	20	rigid	270	VST 25	Same dimension
	Hose i.D. 25	120	X25	41	65	24	rigid	385	VST-X25	Same dimension
swivelling	Hose i.D. 25	125	X25	41	60	24	swivelling	420	VST-X25-DR	Same dimension
	Hose i.D. 35	120	35	49.5	70	30	rigid	515	VST 35	VST 35-N
swivelling	Hose i.D. 35	146	35	49.5	68	30	swivelling	740	VST 35-DR	VST 35-DR-N
	Hose i.D. 38	120	35	49.5	70	33	rigid	470	VST 38/35	VST 38/35-N
	Hose i.D. 42	120	42	53	77	38	rigid	450	VST 42**	Same dimension
	Hose i.D. 50	140	50	63	77.5	42	rigid	925	VST 50	VST 50-N
swivelling	Hose i.D. 50	170	50	63	82	43	swivelling	1230	VST 50-DR	VST 50-DR-N
	Hose i.D. 65	156	65	73	98	56	rigid	1352	VST 65*	Same dimension



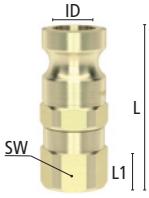
Plugs with hose stem (reduced passage)

Hose connect.	L	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
Hose i.D. 19	100	X25	41	50	16	rigid	325	VST-X25/19R	Same dimension
Hose i.D. 25	115	35	49.5	64	20	rigid	545	VST 35/25 R	VST 35/25 R-N
Hose i.D. 35	121	50	63	70	30	rigid	830	VST 50/35 R	VST 50/35 R-N
Hose i.D. 42	121	50	63	70	38	rigid	757	VST 50/42 R	VST 50/42 R-N



Plugs with female thread

	Thread connect.	L	SW	Type-Size	ID	L1	Passage	System	Weight	Type No.	Type No.
	G 1 f	67	41	25	35	15	20	rigid	280	VIG 10/25	Same dimension
	G 1 f	67	41	X25	41	15	25	rigid	345	VIG 10-X25	Same dimension
swivelling	G 1 f	106	41	X25	41	21	23	swivelling	610	VIG 10-X25-DR	Same dimension
	G 1 1/4 f	67	50	X25	41	16	25	rigid	386	VIG 54-X25	Same dimension
	G 1 f	63	50	35	49.5	20	30	rigid	521	VIG 10/35	VIG 10/35-N
	G 1 1/4 f	68	50	35	49.5	16	33	rigid	461	VIG 54/35	VIG 54/35-N
swivelling	G 1 1/4 f	120	50	35	49.5	23	33	swivelling	840	VIG 54/35-DR	VIG 54/35-DR-N
	G 1 1/2 f	68	55	35	49.5	19	33	rigid	453	VIG 15/35	VIG 15/35-N
	G 2 f	74	70	35	49.5	20	33	rigid	665	VIG 20/35	VIG 20/35-N
	G 1 1/2 f	62	55	42	53	16	38	rigid	420	VIG 15/42**	Same dimension
	G 1 1/4 f	64	65	50	63	22	35	rigid	820	VIG 54/50	VIG 54/50-N
	G 1 1/2 f	64	65	50	63	22	44	rigid	678	VIG 15/50	VIG 15/50-N
	G 2 f	71	70	50	63	20	45	rigid	620	VIG 20/50	VIG 20/50-N
swivelling	G 2 f	130	70	50	63	25	43	swivelling	1040	VIG 20/50-DR	VIG 20/50-DR-N
	G 2 1/2 f	78	85	50	63	25	45	rigid	960	VIG 25/50	VIG 25/50-N
	G 2 1/2 f	78	85	65	73	25	56	rigid	999	VIG 25/65*	Same dimension



*max. working pressure for type-size 65 PN 25 bar

**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Other swivelling types on request

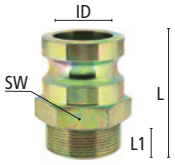
Mortar Plugs

Materials:

- Plug, screwing stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- Coupling, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N

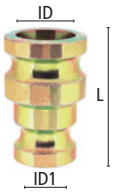
Plugs with male thread

									System 22	System 23.5
Thread connect.	L	SW	Type-Size	ID	L1	System	Passage	Weight	Type No.	Type No.
G 1 m	76	41	25	35	17	rigid	20	356	VAG 10/25	Same dimension
G 1 m	76	41	X25	41	17	rigid	24	382	VAG 10-X25	Same dimension
G 1 1/4 m	83	50	35	49.5	20	rigid	33	527	VAG 54/35	VAG 54/35-N
G 1 1/2 m	77	55	42	53	20	rigid	38	525	VAG 15/42**	Same dimension
G 2 m	90	65	50	63	25	rigid	45	950	VAG 20/50	VAG 20/50-N



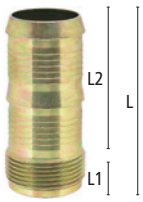
Plugs on both sides – system-reducing plug

Type-Size	L	ID	ID1	Passage	Weight	Type No.	Type No.
X25 - 25	90	41	35	20	448	VR X25/25	Same dimension
35 - 25	97	49.5	35	20	654	VR 35-25	VR 35-N-25
35 -X25	100	49.5	41	25	690	VR 35-X25	VR 35-N-X25
42 - X25	90	53	41	25	620	VR 42/X25**	Same dimension
42 - 35	90	53	49.5	33	650	VR 42/35**	VR 42/35-N
50 - X25	100	63	41	25	955	VR 50-X25	VR 50-N-X25
50 - 35	100	63	49.5	33	955	VR 50-35	VR 50-N/35-N
50 - 42	95	63	53	38	983	VR 50/42**	VR 50-N/42



Screwing stems for female thread couplings and plugs

Hose connect.	Thread connect.	L	L1	L2	Passage	Weight	Type No.
Hose i.D. 19	G 1 m	70	18	50	16	106	MST-X25/19T
Hose i.D. 25	G 1 m	83.5	18	64	24	128	MST-X25T
Hose i.D. 35	G 1 1/4 m	91	19	70	30	236	MST-35T
Hose i.D. 38	G 1 1/4 m	91	20	70	33	210	MST-38/35T
Hose i.D. 35	G 2 m	107	27	77	30	506	MST-50/35T
Hose i.D. 42	G 1 1/2 m	97	19	77	38	259	MST-42T
Hose i.D. 42	G 2 m	106	26	77	38	428	MST-50/42T
Hose i.D. 50	G 2 m	110	26	82	42	510	MST-50T
Hose i.D. 65	G 2 1/2 m	130	25	98	56	1145	MST-65T

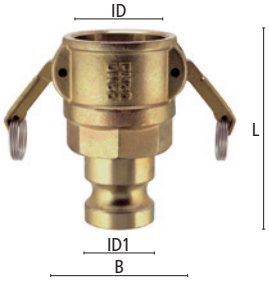


Couplings with plug – system-reducing-adaptors

Type-Size	L	B	ID	ID1	Passage	Weight	Type No.	Type No.
X25 - 25	132	74	42	35	20	993	MSA-X25/25	Same dimension
35 - X25	133	77	51	41	24	1154	MSA 35/X25	MSA 35-N/X25
42 - 35	135	84	54	49	33	1270	MSA 42/35**	MSA 42/35-N
50 - 35	133	94	64	49	33	1580	MSA 50/35	MSA 50-N/35-N
50 - 42	133	94	64	53	38	1585	MSA 50/42**	MSA 50-N/42

*Handles and seals as spare parts (page 191)

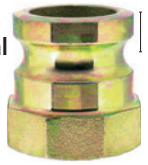
**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40



Mortar Couplings and Plugs

made of Malleable Iron/ Steel, Rigid and Swivelling, for Hydraulic Hose Crimping

- For hydraulic crimping with turned steel ferrules
- Safe, closed and unremovable connection of hose and fitting
- Couplings and Plugs of malleable iron/ steel, zinc-plated and yellow passivated (free of chrome VI)
- Turned stem profile for exact fit of the hose
- Stem-profiles, ferrules and crimping dimensions for special hoses on request according to drawings or hose samples
- Swivelling Version three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier appplication

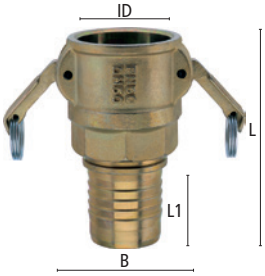


System 22
(for all type-sizes except 42)



System 23.5
(only type-sizes 35 and 50!)

Max. Working Pressure	Thread	TÜV-inspected	Media	
PN 50 bar	ISO 288	all types	Mortar/concrete	1

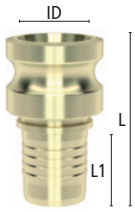


Couplings with hose stem (full passage)

Hose connect.	L	B	Type-Size	ID	Passage	System	Presshül.	Weight	Type No. System 22	Type No. System 23.5
Hose 25x7	125	55	25	35,5	24	rigid,2 Handles	PH-X25	540	MSTP 25*	Same dimension
Hose 25x7	128	74	X25	42	24	rigid,2 Handles	PH-X25	780	MSTP-X25	Same dimension
Hose 35x7	138	77	35	51	30	rigid,2 Handles	PH-35	910	MSTP 35	MSTP 35-N
Hose 38x7	135	77	35	51	33	rigid,2 Handles	PH-38	910	MSTP 38/35	MSTP 38/35-N
Hose 42x7	127	84	42	54	38	rigid,2 Handles	PH-42	974	MSTP 42**	Same dimension
Hose 50x9	145	94	50	64	44	rigid,2 Handles	PH-50	1480	MSTP 50	MSTP 50-N

Couplings with hose stem (reduced passage)

Hose connect.	L	B	Type-Size	ID	Passage	System	Ferrule	Weight	Type No.	Type No.
Hose 19x6	125	74	X25	42	15	rigid, 2 Handles	PH-19	780	MSTP-X25/19R	Same dimension
Hose 25x7	129	77	35	51	24	rigid, 2 Handles	PH-X25	870	MSTP 35/25 R	MSTP 35/25 R-N
Hose 35x7	140	94	50	64	30	rigid, 2 Handles	PH-35	1480	MSTP 50/35 R	MSTP 50/35 R-N



Plugs with hose stem (full passage)

	Hose connect.	L	SW	Type-Size	ID	L1	Passage	System	Ferrule	Weight	Type No.	Type No.
	Hose 25x7	100	-	25	35.5	44	20	rigid	PH-X25	305	VSTP 25	Same dimension
	Hose 25x7	104	-	X25	41	44	24	rigid	PH-X25	339	VSTP-X25	Same dimension
swivelling	Hose 25x7	115	41	X25	41	45.5	24	swivelling	PH-X25 DR	380	VSTP-X25-DR	Same dimension
	Hose 35x7	107	-	35	49.5	50	30	rigid	PH-35	522	VSTP 35	VSTP 35-N
swivelling	Hose 35x7	135	50	35	49.5	50	30	swivelling	PH-35 DR	740	VSTP 35-DR	VSTP 35-N-DR
	Hose 38x7	107	-	35	49.5	50	33	rigid	PH-38	472	VSTP 38/35	VSTP 38/35-N
	Hose 42x7	106	-	42	54	50	38	rigid	PH-42	475	VSTP 42**	Same dimension
	Hose 50x9	113	-	50	63	55	44	rigid	PH-50	758	VSTP 50	VSTP 50-N
swivelling	Hose 50x9	145	65	50	63	55	43	swivelling	PH-50 DR	1020	VSTP 50-DR	VSTP 50-N-DR

Plugs with hose stem (reduced passage)

Hose connect.	L	Type-Size	ID	L1	Passage	System	Presshül.	Weight	Type No.	Type No.
Hose 19x6	95	25	35.5	40	15	rigid	PH-19	238	VSTP 25/19 R	Same dimension
Hose 19x6	100	X25	41	40	15	rigid	PH-19	345	VSTP-X25/19R	Same dimension
Hose 25x7	102	35	49.5	45	24	rigid	PH-X25	490	VSTP 35/25 R	VSTP 35/25 R-N
Hose 35x7	107	50	63	50	30	rigid	PH-35	820	VSTP 50/35 R	VSTP 50/35 R-N
Hose 42x7	108	50	63	45	38	rigid	PH-42	741	VSTP 50/42 R	VSTP 50/42 R-N

Other swivelling types on request

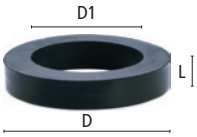
*type-size 25 with one handle

**type-size 42 system 17.5 derived from DIN EN 14420-7, DN 40

Mortar Couplings and Plugs

Material:

- Coupling, handle: Malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Plug, hose stem: Steel zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N



Seals of Buna N
55° Shore A



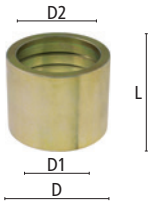
Handle with safety-ring and slotted pin of malleable iron zinc-plated and yellow passivated (free of chrome VI)

Suitable spare parts
(packing Unit: 10 St.)

L	D	D1	Type No.	Type No.
6	36	24.5	**MDR 25**	**MNH-628**
6	43.5	28.5	**MDR-X25**	**MNH-630**
6	53.5	36.5	**MDR 35**	**MNH-628**
6	53.5	36.5	**MDR 35**	**MNH-628**
6.5	55	41	**MDR 42**	**MNH-628**
6	67	51	**MDR 50**	**MNH-636**

L	D	D1	Type No.	Type No.
6	43.5	28.5	**MDR-X25**	**MNH-630**
6	53.5	36.5	**MDR 35**	**MNH-628**
6	67	51	**MDR 50**	**MNH-636**

Crimping Ferrules of turned steel for hydraulic crimping (inner profile exactly suitable to hose stem profile)



Hose connect.	L	D	Type-size	D1	D2	System	Weight	Type No.
Hose 19x6	40	38	19/25	31.5	24.5	rigid	102	**PH-19**
Hose 25x7	50	50	X25	41	33	rigid	218	**PH-X25**
Hose 25x7	50	50	X25	41	31.3	swivelling	220	**PH-X25 DR**
Hose 35x7	55	58	35	49	42.5	rigid	275	**PH-35**
Hose 35x7	55	58	35	49	41	swivelling	280	**PH-35 DR**
Hose 38x7	55	61	35	53	45.5	rigid	259	**PH-38**
Hose 42x7	55	65	42	56	50.5	rigid	313	**PH-42**
Hose 50x9	60	75	50	68.5	59.5	rigid	302	**PH-50**
Hose 50x9	60	75	50	68.5	57	swivelling	310	**PH-50 DR**

Screwing Stems for hydraulic crimping



Hose connect.	Thread connect.	L	D	L1	L2	Passage	Ferrule	Weight	Type No.
Hose 19x6	G 1 m	69.5	24	40	18	15	PH-19	125	**MSTP-X25/19T**
Hose 25x7	G 1 m	73.5	32.5	45	18	24	PH-X25	120	**MSTP-X25T**
Hose 35x7	G 1 1/4 m	80	42	50	19	30	PH-35	218	**MSTP-35T**
Hose 38x7	G 1 1/4 m	80	45	50	19	33	PH-38	223	**MSTP-38/35T**
Hose 35x7	G 2 m	86	42	50	24	30	PH-35	526	**MSTP-50/35T**
Hose 42x7	G 1 1/2 m	80	50	50	20	38	PH-42	246	**MSTP-42T**
Hose 42x7	G 2 m	87	50	50	25	38	PH-42	452	**MSTP-50/42T**
Hose 50x9	G 2 m	91	59	55	25	41	PH-50	497	**MSTP-50T**

Sandblast Couplings and Nozzle Holders

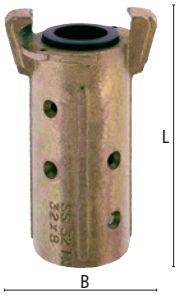
made of Malleable Iron/ Aluminium

- Couplings of malleable iron, zinc-plated and yellow passivated (free of chrome VI) or of nylon
- Nozzle holders of aluminium or nylon
- Hose couplings and nozzle holders generally with screws
- We recommend in all cases to use our safety-clip USC-1 and for all types 'TN' to use the automatic safety system DSR (for nylon couplings always inclusive) for your own security
- Types 'TN' with direct sealing hose to gasket and extended stem with new inner profile to avoid escape of blasting media
- To be used on all stationary and mobile blasting machines and plants

Materials:

- Couplings: Malleable iron zinc-plated and yellow passivated (free of chrome VI) or nylon
- Nozzle Holder: Aluminium or nylon
- O-rings: Buna N

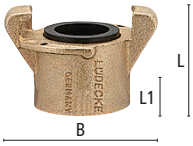
Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 12 bar	up to +100°C	ISO 228 / coarse thread	58 mm	Blasting media	1



Hose Couplings of malleable iron

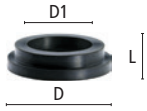
Hose connection	L	B	Weight	Type No.
Hose 19x6	100	63	900	SS 19 T*
Hose 25x7	93	87	481	SS 25 T
Hose 32x8	135	87	827	SS 32 TN
Hose 32x8	92	87	570	SS 32 T
Hose 38x9	129	87	784	SS 38 T
Hose 40x10	150	87	893	SS 40 T

*KIG 54 (claw distance 42 mm) with screwed-in steel pipe



Female thread Couplings of malleable iron

Thread connection	L	B	L1	Weight	Type No.
G 1 1/4 f	62	87	28.5	509	SK 38 TN
G 1 1/4 f	55	87	27	392	SK 38 T
G 1 1/2 f	62	87	28.5	464	SK 38/15 TN
G 1 1/2 f	55	87	27	340	SK 38/15 T
Coarse thread 50	62	87	27	448	SK 50 TN
Coarse thread 50	55	87	29.5	324	SK 50 T
G 2 f	84	87	42.5	550	SK 60 T



Original Rubber Ring for couplings of malleable iron

Syst.	Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A		Weight	Type No.
...T	Oil/ Air	10,5	48,5	31	Buna N	-40 – +95	black	60°	10	11	SKD
...TN	Oil/ Air	27	44	31	Buna N	-40 – +95	black	60°	10	20	SKD-1



Nozzle Holders of aluminium with female thread

Hose connection	Thread connection	L	D	L1	Weight	Type No.
Hose 32x8	G 1 1/4 f	130	57	28.5	248	SD 32-32 A
Hose 32x8	Goarse thread 50	130	57	28.5	231	SD 50-32 A

Original Spare Parts for couplings and nozzle holders

Typ	Material	Characteristics		Weight	Type No.
Screws	Steel zinc-plated	recessed head 4.2 x 13	50	1	SHS
Safety Clip DIN 11024	Steel zinc-plated	wire ∅ 3	50	10	USC-1
Automat. Safety System	Steel zinc-plated	wire ∅ 2	10	6	DSR

Sandblast Couplings and Nozzle Holders
made of Nylon

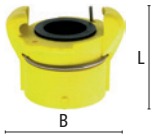
Hose Couplings of Nylon

Hose connection	L	B	Weight	Type No.
Hose 19x7	110	51	193	CQP-3/4
Hose 25x7	110	51	165	CQP-1
Hose 32x8	136	60	222	CQP-2
Hose 8x9	136	67	244	CQP-3
Hose 42x9/40x10	136	71	215	CQP-4



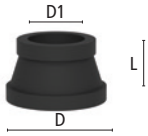
Female thread Couplings of Nylon

Thread connection	L	B	Weight	Type No.
G 1 1/4 f	63	61	126	CFP
Coarse thread 50 mm	63	61	107	CPF-50



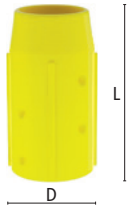
Original Rubber Ring for couplings of Nylon

System	Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A		Weight	Type No.
CQP-3/4	Oil /Air	27	44	19	Buna N	-40 – +95	black	60°	5	20	SDR-1
CQP-1	Oil /Air	27	44	25	Buna N	-40 – +95	black	60°	5	17	SDR-2
All other types	Oil /Air	27	44	31.5	Buna N	-40 – +95	black	60°	5	18	SDR-3



Nozzle Holders of Nylon with female thread

Hose connection	Thread connection	L	D	Weight	Type No.
Hose 19x7	Coarse thread 50	100	49	115	NHP-34
Hose 25x7	Coarse thread 50	100	51	93	NHP-1
Hose 32x8	Coarse thread 50	120	59	150	NHP-2
Hose 38x9	Coarse thread 50	128	66	156	NHP-3
Hose 19x7	G 1 1/4 f	100	51	109	HEP-34
Hose 25x7	G 1 1/4 f	100	51	102	HEP-1
Hose 32x8	G 1 1/4 f	128	59	154	HEP-2
Hose 38x9	G 1 1/4 f	128	66	166	HEP-3



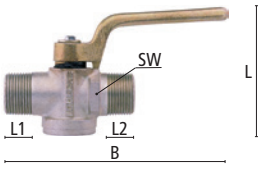
Sandblast Throttle Valve with lever stop, without exhaust, both sides tapered male thread

Extreme reliable Version with throttle of steel

Materials:

- **Housing, Handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)**

Inlet	Outlet	L	SW	B	L1	L2	Passage	Weight	Type No.
NPT 1 m	NPT 1 m	96	37	168	22	22	16	741	ADA 10 SK




SK
34
LUDECKE

Hose Clamps
Standard Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI) or stainless steel 1.4401
- Robust, easy and secure, for various fittings and applications

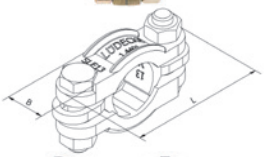
Materials
- Clamps, Spacers: Malleable iron zinc-plated and yellow passivated (free of chrome VI)/ Stainless steel 1.4401
- Screws: Galvanized steel/ Stainless steel A4-70

Max. Working Pressure	Norm
PN 16 / 25 bar	DIN 20039 A/B



Hose Clamps, made of malleable iron, two parts with overlapping cast-on-spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	60	17	M 8x30	10	95	S 22
Hose i.D. 19	27-32	70.5	17	M 8x30	10	105	S 34



Hose Clamps DIN 20039 A, made of stainess steel 1.4401, two parts with loose spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	18-26	63	18	M 8x30	5	140	SLE 13
Hose i.D. 19	26-33	71	18	M 8x30	5	160	SLE 19
Hose i.D. 25	32-40	81	18	M 10x35	5	210	SLE 25

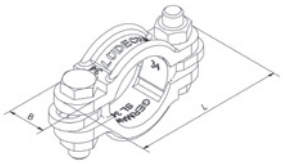


Hose Clamps DIN 20039 A, made of malleable iron, two parts with loose spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	63	18	M 8x30	10	128	SL 29*
Hose i.D. 19	28-34	71	18	M 8x30	10	134	SL 34*
Hose i.D. 25	32-40	81	18	M 10x35	10	188	SL 40*
Hose i.D. 32	39-49	91	20	M 10x35	10	244	SL 49*
Hose i.D. 38	48-60	108	24	M 10x45	5	297	SL 60*
Hose i.D. 50	56-72	116	25	M 10x50	5	340	SL 72
Hose i.D. 50	60-76	127	25	M 10x50	5	405	SL 76*
Hose i.D. 63	77-94	146	30	M 12x55	5	556	SL 94*
Hose i.D. 75	73-94	139	25	M 12x110	1	665	SL 400
Hose i.D. 75	94-115	176	35	M 12x65	1	739	SL 115
Hose i.D. 89	113-127	170	27	M 12x110	1	890	SL 525
Hose i.D. 89	115-145	198	38	M 12x80	1	1046	SL 145
Hose i.D. 100	127-140	178	28	M 12x110	1	972	SL 550
Hose i.D. 100	135-155	194	27	M 12x110	1	984	SL 600
Hose i.D. 125	155-175	217	30	M 12x125	1	1130	SL 675
Hose i.D. 150	175-195	244	30	M 12x125	1	1445	SL 769
Hose i.D. 175	210-225	280	35	M 16x150	1	2163	SL 875
Hose i.D. 200	227-250	312	35	M 16x150	1	2610	SL 988

*according to DIN 20039 A





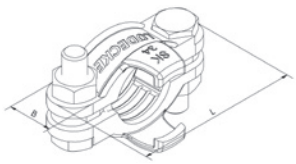
Hose Clamps DIN 20039 B, made of malleable iron, two parts with loose spacers and safety claws***

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	63	18	M 8x30	10	142	SK 29
Hose 19x2		63	18	M 8x30	10	140	SK 29 FL**
Hose i.D. 19	28-32	77	21	M 10x35	10	220	SK 34
Hose 25x2		77	21	M 10x35	10	220	SK 34 FL**
Hose i.D. 25	35-42	90	22	M 10x35	10	272	SK 39
Hose i.D. 28	42-45	98	24	M 10x35	5	340	SK 44
Hose i.D. 35	45-53	108	25	M 10x45	5	380	SK 51
Hose i.D. 42	55-60	119	26	M 10x45	1	416	SK 60
Hose i.D. 50	60-73	132	30	M 12x55	1	637	SK 73
Hose i.D. 75	86-102	160	28	M 12x55	1	860	SK 75

**for flat hose

***PN 25 bar





Hose Clamps

US Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- Robust, easy and secure, for various fittings and applications

Materials

- Clamps: Malleable iron, zinc-plated and yellow passivated (free of Chrome VI)
- Screws: Galvanized steel





Max. Working Pressure
PN 25 bar

US Version Hose Clamps, two parts with safety claws

Version	Hose-o.D./ Range	L	B	Screw size	Screws		Weight	Type No.
Hose i.D. 13	21-27	45	55	M 8x35	2	10	171	**LB-4**
Hose i.D. 19	30-35	43	65	M 8x45	2	10	176	**SKA 34**
Hose i.D. 19	30-33	64	70	M 10x50	2	1	405	**LBU-9**
Hose i.D. 19	33-38	70	71	M 10x50	2	1	413	**LB-9**
Hose i.D. 19	38-43	68	78	M 10X60	2	1	433	**LB-10**
Hose i.D. 25	34-45	70	85	M 10x50	2	1	500	**SKA 10**
Hose i.D. 50	63-70	100	120	M 12x80	4	1	1503	**LBU-29**

Double-Ear Hose Clips

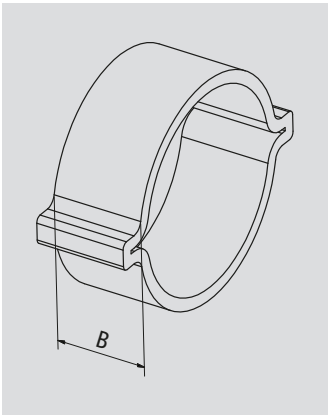
- Clips made of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No risk of injury, closed and unremovable connection
- Suitable for assembly of many hoses and fittings for use with various media

Materials

- Clips: Unbreakable special realiable steel, zinc-plated and blue chromated (free of chrome VI)

	100





Double-Ear Hose Clips			
Hose-o.D./ Range	**B**	**Weight**	**Type No.**
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	ZOSZ

NEW!

Heavy Duty Clamps

made of Steel (DIN 3017)

- Heavy duty clamp made of stainless steel 1.4016
- New special screw with integrated distance tube and better performance
- Reinforced band strap and therefore higher torques (very high breaking torque and very high clamping force)
- Mechanical mounting, therefore no welding points and corrosion contact
- Bridge for sustainable hose relief
- Robust band with rounded edges prevents injuries and hose break
- Simple installation (with manual, pneumatic or electrical standard tools)
- Packed in boxes
- For applications with strict requirements for the hose clamps (for the application of suction and compressed air hoses with high degree of hardness or with plastic / steel core)

Materials

- Band: Stainless steel 1.4016
- Body, Screws: Steel zinc-plated (free of chrome VI)

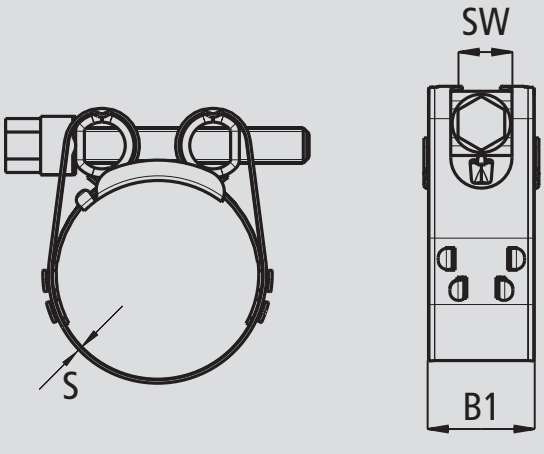




Norm
DIN 3017

Heavy Duty Clamps

Range			torque	Band width	Band thickness			
mm	inch	SW	Max. Nm.	B1	S		Weight	Type No.
17-19	11/16-3/4	8	8	18	0.6	100	52	GBSM 19
19-21	3/4-13/16	8	8	18	0.6	100	52	GBSM 21
21-23	13/16-15/16	8	8	18	0.6	100	52	GBSM 23
23-25	15/16-1	8	8	18	0.6	100	52	GBSM 25
25-27	1-1 1/16	8	8	18	0.6	50	52	GBSM 27
27-29	1 1/16-1 1/8	8	8	18	0.6	50	52	GBSM 29
29-31	1 1/8-1 1/4	8	8	18	0.6	50	85	GBSM 31
31-34	1 1/4-1 5/16	8	8	18	0.6	50	85	GBSM 34
34-37	1 5/16-1 7/16	8	8	18	0.6	50	85	GBSM 37
37-40	1 7/16-1 9/16	8	8	18	0.6	50	85	GBSM 40
40-43	1 9/16-1 11/16	8	8	18	0.6	50	85	GBSM 43
43-47	1 11/16-1 7/8	10	10	20	0.8	25	85	GBSM 47
47-51	1 7/8-2	10	10	20	0.8	25	85	GBSM 51
51-55	2-2 3/16	10	10	20	0.8	25	115	GBSM 55
55-59	2 3/16-2 5/16	10	10	20	0.8	25	115	GBSM 59
59-63	2 5/16-2 1/2	10	10	20	0.8	25	115	GBSM 63
63-68	2 1/2-2 11/16	10	10	20	0.8	10	115	GBSM 68
68-73	2 11/16-2 7/8	13	20	25	1.0	10	153	GBSM 73
73-79	2 7/8-3 1/8	13	20	25	1.0	10	153	GBSM 79



Ball Valves

Sturdy Version made of Brass Nickel-Plated

- High-quality ball valves for air, water, paint, solvents etc.
- Maintenance-free operation, long-living, sturdy and reliable, easy switching with full free passage, tested of tightness
- For Industry, Construction and Civil Installations

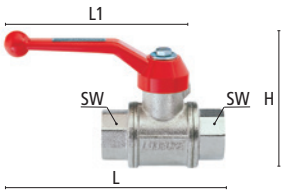
Materials

- Body and Sockets: Brass CW617N sandblasted and nickel-plated
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chromed
- Ball seals: PTFE
- Spindle seals: FKM
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	DIN 2999	Various	1

Ball Valves with female thread DIN 2999

Thread connection	L	SW	H	L1	Passage	Weight	Type No.
2 x R 1/4 f	50	25	78	95	8	296	KM 14 T
2 x R 3/8 f	60	25	78	95	10	302	KM 38 T
2 x R 1/2 f	75	26	82	95	15	390	KM 12 T
2 x R 3/4 f	80	32	90	104	20	682	KM 34 T
2 x R 1 f	90	39	97	104	25	876	KM 10 T
2 x R 2 f	140	70	170	178	50	3700	KM 20 T



Ball Valves

Light Version made of Brass Nickel-Plated

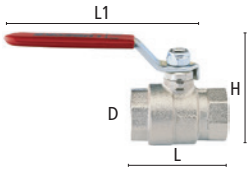
- Ball Valves with full passage and smaller sizes
- For Construction, Industry, Craftmanship, Agriculture or Civil Installations

Materials

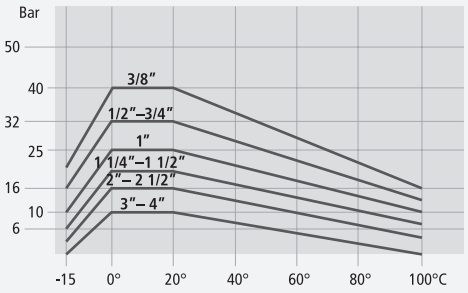
- Body and Sockets: Forged brass nickel-plated
- Ball: Brass MS 58 chromed
- Spindle seals: FKM
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball seals: PTFE
- Handle: Steel zinc-plated and coated with red PVC

Max. Working Pressure	Temperature	Thread	Passage	Pressure drop	Media	
Diagramm	-15°C – +120°C	ISO 228	Diagram	Diagram	Various	1

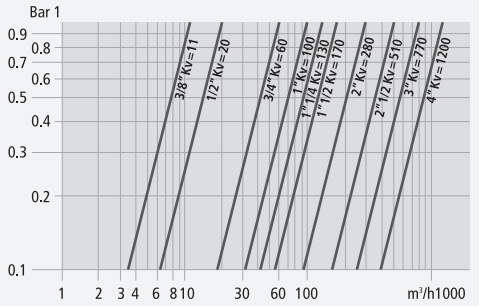
Ball Valves with female thread ISO 228



Thread connection	L	H	D	L1	Passage	Weight	Type No.
2 x G 1/4 f	37	41	23	85	8	114	K 14 K
2 x G 3/8 f	42	37	24	85	10	132	K 38 K
2 x G 1/2 f	50	40	30	85	15	180	K 12 K
2 x G 3/4 f	58	48	38	105	20	306	K 34 K
2 x G 1 f	68	52	46	105	25	470	K 10 K
2 x G 1 1/4 f	80	63	58	130	32	813	K 54 K
2 x G 1 1/2 f	93	69	70	130	40	1262	K 15 K
2 x G 2 f	110	83	86	165	50	2100	K 20 K
2 x G 2 1/2 f	133	116	111	260	65	3799	K 25 K
2 x G 3 f	156	127	135	260	80	5625	K 30 K



Pressure and temperature digram
For each ball valve, the nominal pressure PN depends on the type size and the temperature or vice versa.



Port capacity and pressure drop diagram
The Kv is the index port capacity, expressed in cubic meters per hour, causing a pressure drop of 1 bar with water at 15°C.

Double Ball Valves and Airhammer Ball Valves

Sturdy Version made of Brass Plain

- High quality, maintenance free, extremely robust valves made of forging brass
- With lever stop and ventilation, on request also without ventilation
- For compressed air in construction, on compressors and airhammers in the industry

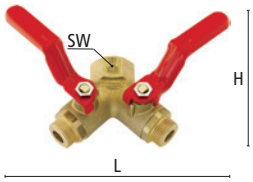
Materials

- Body and Sockets: Brass CW617N
- Spindle and Nut: Brass MS 58 plain
- Ball: Brass MS 58 chromed
- Ball seals: PTFE glass fiber reinforced
- Spindle seals: Buna N
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	ISO 228	Compressed air	1

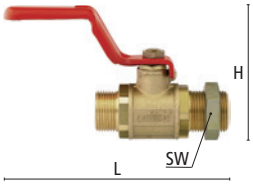
Double Ball Valves

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
2 x G 3/4 m	G 1 f	115	41	105	13	1039	DKH 10
2 x KIGO 34 claw coupling	G 1 f	170	41	130	13	1350	DKH 10 G
2 x KIM 34 claw coupling	G 1 f	170	41	130	13	1435	DKH 10 M



Airhammer Ball Valves, inlet thread with lock nut SW 32, outlet with inside cone 1:4

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
G 3/4 m	G 3/4 m	81	32	82	13	491	BKH 34
KIM 34 claw coupling	G 3/4 m	120	32	82	13	684	BKH 34 M



- On request we produce valves according to your drawings or samples with special connections and seals.
- Also available with T-Handle up to DN 25 e.g. KM 34 TBG
- Please order ball valves used in inspected plants separately, e.g. KM 12 T - AD (after TRB 404)

*Outlet

**Inlet

Throttle Valves

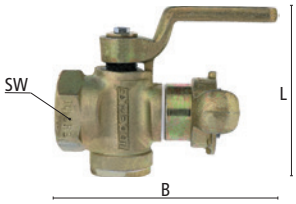
Standard Version

- Extremely robust valves of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With threads or claw couplings with rubber or brass seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools

Materials:

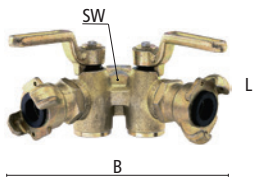
- Body, Handle: Malleable iron zinc-plated and yellow passivated (free of chrome VI)
- O-rings: Buna N/ Brass

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-15°C – +80°C	ISO 228	42 mm	Compressed air	1



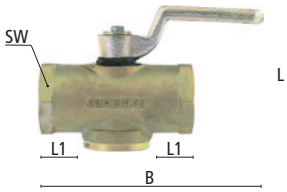
Single Valves with lever stop and exhaust

Inlet	Outlet	L	SW	B	Passage	System	Sealing	Weight	Type No.
G 1/2 f	G 3/4 m	77	41	100	15	without coupling		660	EH 12
G 3/4 f	G 3/4 m	70	41	100	17	without Coupling		610	EH 34
G 1 f	G 3/4 m	70	41	100	17	without Coupling		565	EH 10
G 1/2 f	KIGO 34	112	41	100	15	rigid Claw coupling	Buna N	819	EHG 12
G 3/4 f	KIGO 34	100	41	100	17	rigid Claw coupling	Buna N	761	EHG 34
G 1 f	KIGO 34	100	41	100	17	rigid Claw coupling	Buna N	726	EHG 10
G 1/2 f	KIM 34	122	41	100	15	rigid Claw coupling	Brass	859	EHM 12
G 3/4 f	KIM 34	115	41	100	17	rigid Claw coupling	Brass	808	EHM 34
G 1 f	KIM 34	115	41	100	17	rigid Claw coupling	Brass	759	EHM 10
swivelling G 3/4 f	KIG 34-DR	130	41	100	17	swivelling Claw coupling	Buna N	943	EHG 34-DR



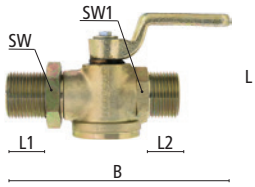
Double Valves with lever stop and exhaust

Inlet	Outlet	L	SW	B	Passage	System	Sealing	Weight	Type No.
G 3/4 f	2 x G 3/4 m	110	41	100	17	without Coupling		1146	DH 34
G 1 f	2 x G 3/4 m	110	41	100	17	without Coupling		1100	DH 10
G 3/4 f	2 x KIGO 34	170	41	100	17	rigid Claw coupling	Buna N	1466	DHG 34
G 1 f	2 x KIGO 34	170	41	100	17	rigid Claw coupling	Buna N	1438	DHG 10
G 3/4 f	2 x KIM 34	180	41	100	17	rigid Claw coupling	Brass	1545	DHM 34
G 1 f	2 x KIM 34	180	41	100	17	rigid Claw coupling	Brass	1503	DHM 10
swivelling G 3/4 f	2 x KIG 34-DR	225	41	100	17	swivelling Claw coupling	Buna N	1816	DHG 34-DR



Straight Way Valves without lever stop, without exhaust, on request with exhaust

Inlet	Outlet	L	SW	B	L1	Passage	Weight	Type No.
G 1/2 f	G 1/2 f	80	37	96	18	13	700	DU 12
G 3/4 f	G 3/4 f	92	41	96	25	16	820	DU 34
G 1 f	G 1 f	92	41	96	13	16	770	DUL 10
G 1 f	G 1 f	87	43	125	18	20	1012	DUS 10



Airhammer Valves DIN 20030 without lever stop, without exhaust, inlet thread with lock nut SW 32/41

Inlet	Outlet	L	SW	B	L1	L2	SW1	Passage	Weight	Type No.
G 3/4 m	G 3/4 m, cone 1 : 4	110	32	85	34	17	32	13	632	BH 343
G 3/4 m	Rd 32 x 1/8 m, cone 1 : 3	140	32	95	34	17	32	13	773	BH 3486
G 1 m	G 1 m, cone 1 : 3	120	36	95	40	22	36	16	848	BH 106
G 1 m	Rd 32 x 1/8 m, cone 1 : 3	120	36	95	40	22	36	16	834	BH 326

Throttle Valves
US-Version

- Extremely robust valves of malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With NTP-threads or claw couplings US-Type with rubber seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools

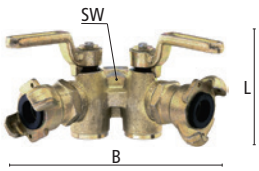
Materials:

- Body, handle: malleable iron, zinc-plated and yellow passivated (free of chrome VI)
- Sealing: Buna N

Max. Working Pressure	Temperature	Thread	Claw Distance	Media	
PN 10 bar	-15°C – +80°C	NPT, ANSI / ASME B1.20.1	41 mm	Compressed air	1

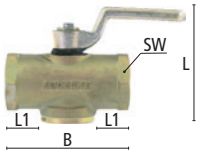
US-Double Valves with lever stop and exhaust

Inlet	Outlet	L	SW	B	Passage	System	Sealing	Weight	Type No.
NPT 3/4 f	NPT 2 x 3/4 m	120	41	100	17	without Coupling		1170	DHA 34
NPT 1 f	NPT 2 x 3/4 m	120	41	100	17	without Coupling		1130	DHA 10
NPT 3/4 f	2 x KIA 34	205	41	100	17	Rigide Claw coupling	Buna N	1570	DHGA 34
NPT 1 f	2 x KIA 34	205	41	100	17	Rigide Claw coupling	Buna N	1530	DHGA 10



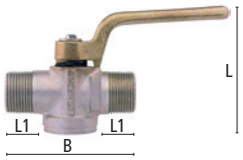
US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust

Inlet	Outlet	L	SW	B	L1	Passage	Weight	Type No.
NPT 1/2 f	NPT 1/2 f	80	32	80	16	13	530	ADI 12
NPT 3/4 f	NPT 3/4 f	95	41	96	17	16	905	ADI 34
NPT 1 f	NPT 1 f	95	41	96	18	16	850	ADI 10



US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust

Inlet	Outlet	L	SW	B	L1	Passage	Weight	Type No.
NPT 1/2 m	NPT 1/2 m	85	25	80	17	13	430	ADA 12
NPT 3/4 m	NPT 3/4 m	95	37	96	18	16	700	ADA 34
NPT 1 m	NPT 1 m	95	37	96	22	16	750	ADA 10





Processing Industry



MADE IN GERMANY
EFFICIENCY by LUDECKE
PROCESSING INDUSTRY

Quick Connect Couplings	Temperature Regulation Quick Connect Couplings	Quick Connect Couplings and Fittings for Cleaning Applications
		

Claw Couplings	Chemical and Industrial Fittings	Fittings for Snow Pump Installations
		

Water Fittings	Hose Clamps and Hose Clips
	

Clean Connect by LUDECKE

Snow Master by LUDECKE

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231 Compressed-Air Blow-off Valve NEW!



Temperature Regulation Quick Connect Couplings

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Quick Connect Couplings and Fittings for Cleaning Applications NEW!

240 Cleaning Screwings
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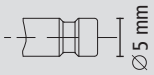
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Micro Quick Connect Couplings
Series ESMCE single shut-off

DN 2.7



Plug Profile (original size)

Clean Connect by LÜDECKE

- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	165 l/min	One-hand	Single shut-off	different	Europe	Coupl. 1/ Plug 5



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 A
G 1/8 m	28	11	10.5	7	12	ESMCE 18 A



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 I
G 1/8 f	28	12	10.5	7	14	ESMCE 18 I



Couplings with Hose stem

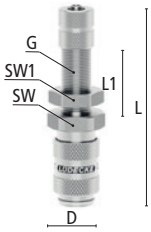
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 T
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 T
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 T

For hose clips type HSE (page 316)



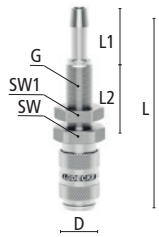
Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQ
Hose 3x5	34	9	10.5	15	ESMCE 3 TQ
Hose 4x6	34	9	10.5	15	ESMCE 4 TQ



Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSV
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSV
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSV



Couplings with bulkhead screwing

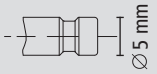
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSV
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSV
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSV

For hose clips type HSE (page 316)

Micro Quick Connect Couplings

single shut-off Series ESMCE

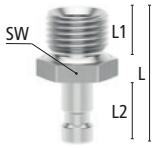
DN 2.7



Plug Profile (original size)

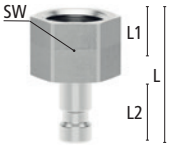
Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	18	7	5	10	3	ESMCE 5 NA
G 1/8 m	20	11	7	10	6	ESMCE 18 NA



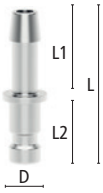
Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	17	7	5	10	3	ESMCE 5 NI
G 1/8 f	19	12	7	10	6	ESMCE 18 NI



Plugs with hose stem

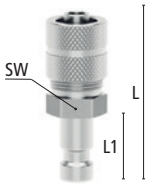
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	24	7	13	10	2	ESMCE 3 S
Hose i.D. 4	24	7	13	10	3	ESMCE 4 S
Hose i.D. 5	24	9	13	10	3	ESMCE 5 S



For hose clips type HSE (page 316)

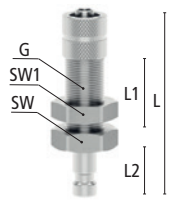
Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	25	8	10	12	ESMCE 34 SQ
Hose 3x5	25	8	10	12	ESMCE 3 SQ
Hose 4x6	25	8	10	12	ESMCE 4 SQ



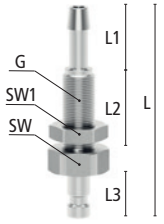
Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	38	12	17	10	11	M 7x0.5 m	23	ESMCE 34 SQSV
Hose 3x5	38	12	17	10	11	M 7x0.5 m	23	ESMCE 35 SQSV
Hose 4x6	38	12	17	10	12	M 8x0.5 m	23	ESMCE 4 SQSV



Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	45	12	13	17	10	11	M 7x0.5 m	21	ESMCE 3 SSV
Hose i.D. 4	45	12	13	17	10	11	M 7x0.5 m	21	ESMCE 4 SSV
Hose i.D. 5	45	12	13	17	10	12	M 8x0.5 m	21	ESMCE 5 SSV

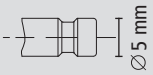


For hose clips type HSE (page 316)

Micro Quick Connect Couplings

Series ESMCE double shut-off

DN 2.7



Plug Profile (original size)

- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid the escape of media when disconnecting. Robust, safe and reliable.
- Attention: Couplings can be connected with straight-through plugs DN 2.7, but shut-off plugs cannot be connected with standard couplings DN 2.7
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Clean Connect by LÜDECKE

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	150 L/min	One-hand	Double shut-off	different	Europe	Coupl. 1/ Plug 5



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 AAB
G 1/8 m	28	11	10.5	7	12	ESMCE 18 AAB



Couplings with female thread

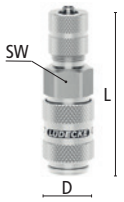
Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 IAB
G 1/8 f	28	12	10.5	7	14	ESMCE 18 IAB



Couplings with hose stem

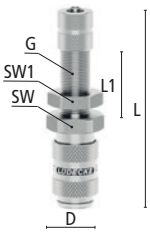
Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 TAB
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 TAB
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 TAB

For hose clips type HSE (page 316)



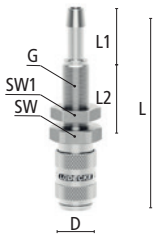
Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQAB
Hose 3x5	34	9	10.5	15	ESMCE 3 TQAB
Hose 4x6	34	9	10.5	15	ESMCE 4 TQAB



Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSVAB
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSVAB
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSVAB



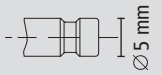
Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSVAB
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSVAB
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSVAB

For hose clips type HSE (page 316)

Micro Quick Connect Couplings
double shut-off Series ESMCE

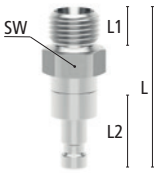
DN 2.7



Plug Profile (original size)

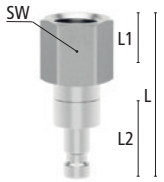
Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	28	9	5	10	10	ESMCE 5 NAAB
G 1/8 m	30	11	7	10	12	ESMCE 18 NAAB



Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	26.5	9	5	10	11	ESMCE 5 NIAB
G 1/8 f	30	12	7	10	14	ESMCE 18 NIAB



Plugs with hose stem

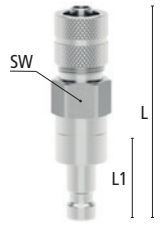
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	36.5	9	13	10	9	ESMCE 3 SAB
Hose i.D. 4	36.5	9	13	10	10	ESMCE 4 SAB
Hose i.D. 5	36.5	9	13	10	10	ESMCE 5 SAB

For hose clips type HSE (page 316)



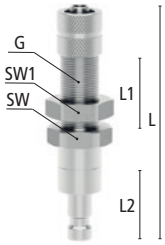
Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	36	9	10	10	ESMCE 34 SQAB
Hose 3x5	36	9	10	10	ESMCE 3 SQAB
Hose 4x6	36	9	10	11	ESMCE 4 SQAB



Plugs with hose squeeze nut and bulkhead screwing

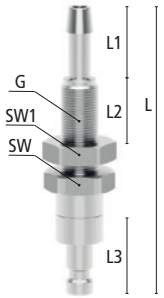
Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	47	12	17	10	11	M 7x0.5 m	13	ESMCE 34 SQSVAB
Hose 3x5	47	12	17	10	11	M 7x0.5 m	13	ESMCE 35 SQSVAB
Hose 4x6	47	12	17	10	12	M 8x0.5 m	17	ESMCE 4 SQSVAB



Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 3 SSVAB
Hose i.D. 4	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 4 SSVAB
Hose i.D. 5	53	12	13	17	10	12	M 8x0.5 m	16	ESMCE 5 SSVAB

For hose clips type HSE (page 316)



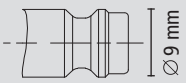

LÜDECKE

Mini Quick Connect Couplings

single shut-off Series ESME

DN5

- Miniature one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- For the use of compressed air at demanding pureness and hygiene regulations or for applications with most different media (gases, chemicals, lacquers, pharmaceuticals)
- Numerous application sectors for pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade pneumatic applications
- Maximum operation temperature subject to media used and sealing material



Plug Profile (original size)

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	5	ISO 228 / DIN 13	510 l/min	One-hand	Single shut-off	different	Europe	Coupl. 1/ Plug 5

Clean Connect by LUDECKE

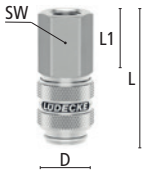
Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	36	14	16	7	27	ESME 18 A
G 1/4 m	38	17	16	9	36	ESME 14 A
G 3/8 m	38	19	16	9	42	ESME 38 A
M 12x1.5 m	38	14	16	9	30	ESME 1215 A
M 14x1.5 m	38	17	16	9	38	ESME 1415 A



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	31	ESME 18 I
G 1/4 f	38	17	16	9	31	ESME 14 I
G 3/8 f	38	19	16	9	43	ESME 38 I
M 12x1.5 f	38	17	16	9	41	ESME 1215 I
M 14x1.5 f	38	17	16	9	38	ESME 1415 I



Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	27	ESME 4 T
Hose i.D. 6	47	14	16	17	28	ESME 6 T
Hose i.D. 8	47	14	16	17	28	ESME 8 T
Hose i.D. 9	47	14	16	17	30	ESME 9 T
Hose i.D. 10	47	14	16	17	30	ESME 10 T

For hose clips type HSE (page 316)



Couplings with hose squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	34	ESME 4 TQ
Hose 6x8	43	14	16	14	36	ESME 6 TQ

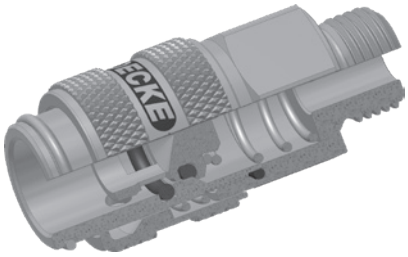


Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	SW2	G	Weight	Type No.
Hose 4x6	54	14	16	18	12	12	M 10x1 m	41	ESME 4 TQSV
Hose 6x8	54	14	16	18	14	14	M 12x1 m	49	ESME 6 TQSV

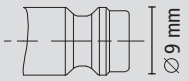


Special versions on request.



Mini Quick Connect Couplings
Series ESME single shut-off

DN 5



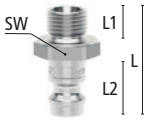
Plug Profile (original size)



Couplings with bulkhead screwing

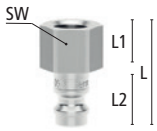
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 5	60	17	16	17	14	17	M 12x1 m	45	ESME 5 TSV
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESME 6 TSV
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	45	ESME 8 TSV

For hose clips type HSE (page 316)



Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	25	14	7	14	11	ESME 18 NA
G 1/4 m	28	17	9	14	19	ESME 14 NA
G 3/8 m	28	19	9	14	21	ESME 38 NA
M 10x1 m	25	14	7	14	11	ESME 101 NA
M 12x1.5 m	28	17	10	14	17	ESME 1215 NA
M 14x1.5 m	28	17	10	14	20	ESME 1415 NA



Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	25	14	8	14	14	ESME 18 NI
G 1/4 f	25	17	9	14	15	ESME 14 NI
G 3/8 f	26	19	9	14	19	ESME 38 NI
M 10x1 f	26	14	9	14	18	ESME 101 NI
M 12x1.5 f	27	17	10	14	22	ESME 1215 NI
M 14x1.5 f	27	17	10	14	19	ESME 1415 NI



Plugs with hose stem

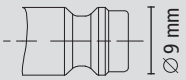
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 4	32	9	17	14	7	ESME 4 S
Hose i.D. 5	32	9	17	14	8	ESME 5 S
Hose i.D. 6	32	9	17	14	9	ESME 6 S
Hose i.D. 8	32	9	17	14	9	ESME 8 S
Hose i.D. 9	33	10	17	14	9	ESME 9 S
Hose i.D. 10	33	12	17	14	12	ESME 10 S

For hose clips type HSE (page 316)

Mini Quick Connect Couplings

single shut-off Series ESME

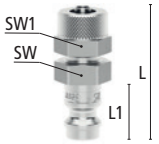
DN 5



Plug Profile (original size)

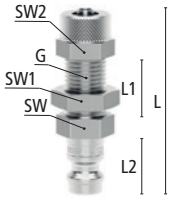
Plugs with hose squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 4x6	32	12	14	12	17	ESME 4 SQ
Hose 6x8	32	14	14	14	21	ESME 6 SQ



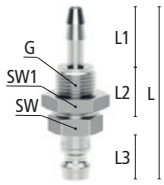
Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	SW2	G	Weight	Type No.
Hose 4x6	44	12	18	14	14	14	M 10x1 m	27	ESME 4 SQSV
Hose 6x8	44	14	18	14	17	14	M 12x1 m	35	ESME 6 SQSV



Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 5	50	14	17	14	14	17	M 12x1 m	28	ESME 5 SSV
Hose i.D. 6	50	14	17	14	14	17	M 12x1 m	28	ESME 6 SSV
Hose i.D. 8	50	14	17	14	14	17	M 12x1 m	28	ESME 8 SSV

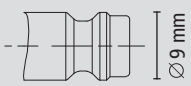


For hose clips type HSE (page 316)

Mini Quick Connect Couplings

Series ESME double shut-off

DN 5



Plug Profile (original size)

Clean Connect by LÜDECKE

- Miniature one-hand quick connection couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid leaking of media when disconnecting. Robust, safe and reliable.
- Attention: Couplings can be connected with straight-through plugs DN 5, but valved plugs cannot be connected with standard couplings DN 5
- Numerous application sectors, above all for liquid media in pharmacy, chemistry, food industry, clean-rooms, high-grade control, measuring and regulation technology, at demanding pureness and hygiene regulations
- Maximum operation temperature subject to media used and sealing material

Materials

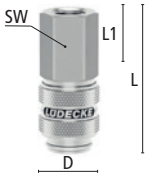
- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	5	ISO 228 / DIN 13	330 l/min	One-hand	Double shut-off	different	Europe	Coupl. 1/ Plug 5



Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	36	14	16	7	28	ESME 18 AAB
G 1/4 m	38	17	16	9	37	ESME 14 AAB
G 3/8 m	38	19	16	9	43	ESME 38 AAB



Couplings with female thread

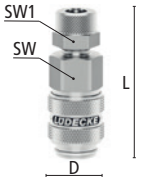
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	32	ESME 18 IAB
G 1/4 f	38	17	16	9	32	ESME 14 IAB
G 3/8 f	38	19	16	9	44	ESME 38 IAB



Couplings with hose stem

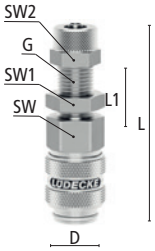
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	28	ESME 4 TAB
Hose i.D. 6	47	14	16	17	29	ESME 6 TAB
Hose i.D. 8	47	14	16	17	29	ESME 8 TAB
Hose i.D. 9	47	14	16	17	31	ESME 9 TAB
Hose i.D. 10	47	14	16	17	31	ESME 10 TAB

For hose clips type HSE (page 316)



Couplings with hose squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	35	ESME 4 TQAB
Hose 6x8	43	14	16	14	37	ESME 6 TQAB



Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	SW2	G	Weight	Type No.
Hose 4x6	54	14	16	18	12	12	M 10x1 m	42	ESME 4 TQSVAB
Hose 6x8	54	14	16	18	14	14	M 12x1 m	50	ESME 6 TQSVAB



Couplings with bulkhead screwing

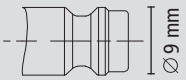
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 5	60	17	16	17	14	17	M 12x1 m	46	ESME 5 TSVAB
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	46	ESME 6 TSVAB
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	47	ESME 8 TSVAB

For hose clips type HSE (page 316)

Mini Quick Connect Couplings

double shut-off Series ESME

DN 5

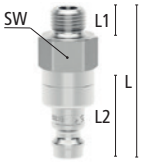


Plug Profile (original size)

Clean Connect by LÜDECKE

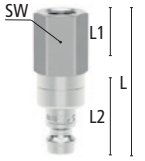
Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	40	14	7	14	22	ESME 18 NAAB
G 1/4 m	42	17	9	14	31	ESME 14 NAAB
G 3/8 m	42	19	9	14	37	ESME 38 NAAB
M 14x1.5 m	42	17	9	14	33	ESME 1415 NAAB



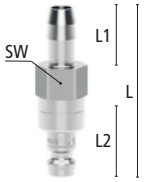
Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	42	14	9	14	26	ESME 18 NIAB
G 1/4 f	42	17	9	14	35	ESME 14 NIAB
G 3/8 f	42	19	9	14	37	ESME 38 NIAB
M 10x1 f	42	14	9	14	26	ESME 101 NIAB
M 12x1.5 f	42	17	9	14	36	ESME 1215 NIAB
M 14x1.5 f	42	17	9	14	33	ESME 1415 NIAB



Plugs with hose stem

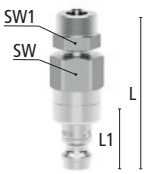
Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 4	50	14	17	14	21	ESME 4 SAB
Hose i.D. 6	50	14	17	14	22	ESME 6 SAB
Hose i.D. 8	50	14	17	14	23	ESME 8 SAB
Hose i.D. 9	50	14	17	14	23	ESME 9 SAB
Hose i.D. 10	50	14	17	14	24	ESME 10 SAB



For hose clips type HSE (page 316)

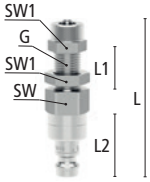
Plugs with hose squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 4x6	46	14	14	12	29	ESME 4 SQAB
Hose 6x8	46	14	14	14	31	ESME 6 SQAB



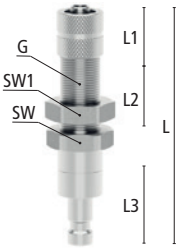
Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	SW2	G	Weight	Type No.
Hose 4x6	58	14	18	14	14	12	M 10x1 m	36	ESME 4 SQSVAB
Hose 6x8	58	14	18	14	17	14	M 12x1 m	43	ESME 6 SQSVAB



Plugs with bulkhead screwing

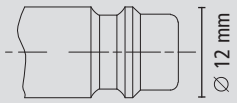
Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 5	63	17	14	14	14	17	M 12x1 m	38	ESME 5 SSVAB
Hose i.D. 6	63	17	14	14	14	17	M 12x1 m	38	ESME 6 SSVAB
Hose i.D. 8	63	17	14	14	14	17	M 12x1 m	38	ESME 8 SSVAB



For hose clips type HSE (page 316)

Quick Connect Couplings
Series ESE single shut-off

DN 7.2



Plug Profile (original size)

- Standard one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- For the use of compressed air at demanding pureness and hygiene regulations or for applications with most different media (gases, chemicals, lacquers, pharmaceuticals)
- Numerous application sectors in pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade pneumatic applications
- Maximum operation temperature subject to media used and sealing material

Materials

- Body, sleeve, valve body, valve, pins, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)

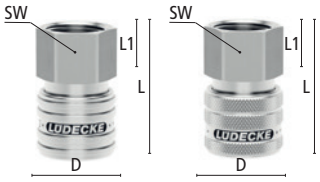
Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	7.2	ISO 228	1150 l/min	One-hand	single shut-off	different	worldwide	Coupl. 1/ Plug 5

Clean Connect by LÜDECKE



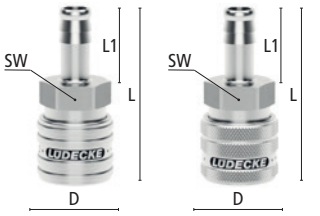
Couplings with parallel male thread

						sleeve	
Thread connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
G 1/4 m	41	22	27	9	82	ESEG 14 A	ESER 14 A
G 3/8 m	42	22	27	10	82	ESEG 38 A	ESER 38 A
G 1/2 m	44	24	27	12	95	ESEG 12 A	ESER 12 A



Couplings with parallel female thread

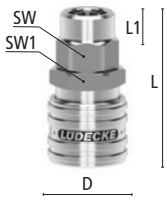
						sleeve	
Thread connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
G 1/4 f	41.5	22	27	10.5	83	ESEG 14 I	ESER 14 I
G 3/8 f	41.5	22	27	10.5	83	ESEG 38 I	ESER 38 I
G 1/2 f	43	24	27	12	92	ESEG 12 I	ESER 12 I



Couplings with hose stem

						sleeve	
Hose connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
Hose i.D. 6	56	22	27	25	92	ESEG 6 T	ESER 6 T
Hose i.D. 8	56	22	27	25	92	ESEG 8 T	ESER 8 T
Hose i.D. 9	56	22	27	25	92	ESEG 9 T	ESER 9 T
Hose i.D. 10	56	22	27	25	93	ESEG 10 T	ESER 10 T
Hose i.D. 13	56	22	27	25	95	ESEG 13 T	ESER 13 T

For hose clips type HSE (page 316)



NEW!

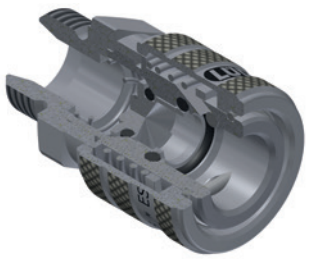
Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	SW1	Weight	Type No.
Hose 8x12	48	22	27	9.5	17	107	ESEG 812 TQ

O-rings approved for the food industry

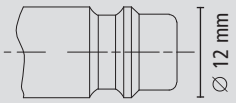
Available either with ergonomically flat sleeve contour to avoid dirt nests for demanding hygiene regulations or with handy knurled sleeve





Quick Connect Couplings
single shut-off Series ESE

DN 7.2



Plug Profile (original size)

Clean Connect by LÜDECKE

Plug with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	33	17	9	20	22	ESE 14 NA
G 3/8 m	33	19	9	20	25	ESE 38 NA
G 1/2 m	37	24	12	20	45	ESE 12 NA



Plug with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	32	17	10	20	20	ESE 14 NI
G 3/8 f	32	19	10	20	25	ESE 38 NI
G 1/2 f	35	24	12	20	36	ESE 12 NI



Plug with hose stem

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	46	12	25	20	13	ESE 6 S
Hose i.D. 8	46	12	25	20	15	ESE 8 S
Hose i.D. 9	46	12	25	20	14	ESE 9 S
Hose i.D. 10	46	12	25	20	17	ESE 10 S
Hose i.D. 13	46	12	25	20	24	ESE 13 S



For hose clips type HSE (page 316)

NEW!

Plugs with bulkhead screwing

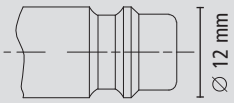
Hose connection	L	SW	L1	L2	SW1	Weight	Type No.
Hose 8x12	42	17	9.5	20	19	51	ESE 812 SQ



Quick Connect Couplings

Series ESE double shut-off

DN 7.2



Plug Profile (original size)

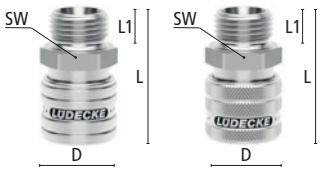
Clean Connect by LÜDECKE

- Standard one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid leaking of media when disconnecting. Robust, safe and reliable
- Attention: Couplings can be connected with straight-through plugs DN 7.2, but shut-off plugs cannot be connected with standard couplings DN 7.2
- Numerous application sectors, above all for liquid media in pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade control, measuring and regulation technology, at demanding pureness and hygiene regulations
- Maximum operation temperature subject to media used sealing material

Materials

- Body, sleeve, valve body, valve, pins, plug: Stainless steel 1.4305
- Springs, retaining rings: Stainless Steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	7.2	ISO 228	660 l/min	One-hand	double shut-off	different	worldwide	Coupl. 1/ Plug 5



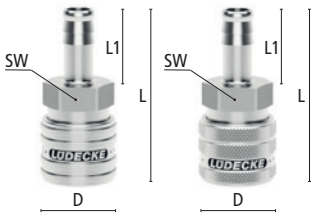
Couplings with parallel male thread

						sleeve	
Thread connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
G 1/4 m	41	22	27	9	82	ESEG 14 AAB	ESER 14 AAB
G 3/8 m	42	22	27	10	82	ESEG 38 AAB	ESER 38 AAB
G 1/2 m	44	24	27	12	95	ESEG 12 AAB	ESER 12 AAB



Couplings with parallel female thread

						sleeve	
Thread connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
G 1/4 f	41.5	22	27	10.5	83	ESEG 14 IAB	ESER 14 IAB
G 3/8 f	41.5	22	27	10.5	83	ESEG 38 IAB	ESER 38 IAB
G 1/2 f	43	24	27	12	92	ESEG 12 IAB	ESER 12 IAB

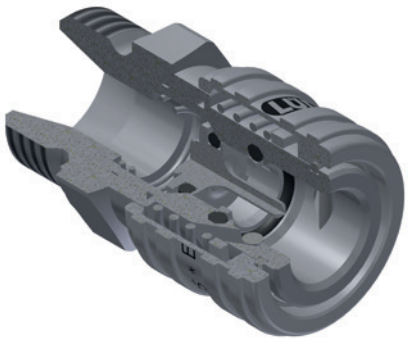


Couplings with hose stem

						sleeve	
Hose connection	L	SW	D	L1	Weight	Type No. flat	Type No. knurled
Hose i.D. 6	56	22	27	25	92	ESEG 6 TAB	ESER 6 TAB
Hose i.D. 8	56	22	27	25	92	ESEG 8 TAB	ESER 8 TAB
Hose i.D. 9	56	22	27	25	92	ESEG 9 TAB	ESER 9 TAB
Hose i.D. 10	56	22	27	25	93	ESEG 10 TAB	ESER 10 TAB
Hose i.D. 13	56	22	27	25	95	ESEG 13 TAB	ESER 13 TAB

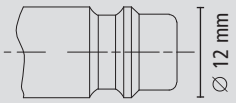
For hose clips type HSE (page 316)

Available either with ergonomically flat sleeve contour to avoid dirt nests for elevated hygiene regulations or with handy knurled sleeve



Quick Connect Couplings
double shut-off Series ESE

DN 7.2



Plug Profile (original size)

Clean Connect by LÜDECKE

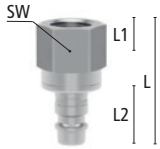
Plugs with parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	43	22	9	20	52	ESE 14 NAAB
G 3/8 m	45	22	10	20	55	ESE 38 NAAB
G 1/2 m	47	24	12	20	62	ESE 12 NAAB



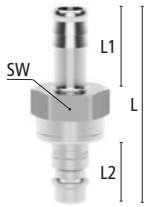
Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	44	22	10.5	20	55	ESE 14 NIAB
G 3/8 f	44	22	10.5	20	55	ESE 38 NIAB
G 1/2 f	45.5	24	12	20	62	ESE 12 NIAB

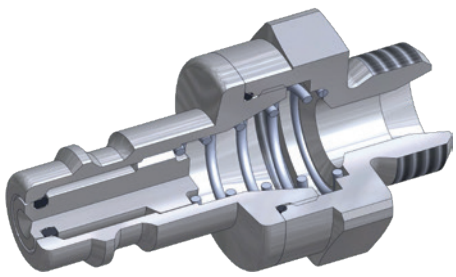


Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	54	22	25	20	55	ESE 6 SAB
Hose i.D. 8	54	22	25	20	55	ESE 8 SAB
Hose i.D. 9	54	22	25	20	55	ESE 9 SAB
Hose i.D. 10	54	22	25	20	56	ESE 10 SAB
Hose i.D. 13	54	22	25	20	57	ESE 13 SAB



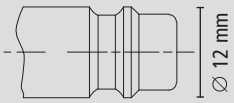
For hose clips type HSE (page 316)



Industrial Quick Connect Couplings

Series ESIE single shut-off and double shut-off

DN 7.8



Plug Profile (original size)

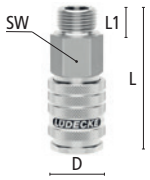
Clean Connect by LÜDECKE

- High quality and robust one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Front body protected by collar design
- High flow rates of low pressure drop due to energy efficient valve design
- Coupling also to be used with shut-off plugs
- To be used in various applications such as fluid medias in motion and control, pharmaceutical, medical, chemical, food and beverage industry, as well as for high purity operations.
- Temperature subject to media and sealing compound

Materials

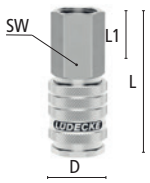
- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- O-rings: FKM (EPDM, FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-20°C – +200°C	7.8	ISO 228	1850/ 750 l/min	One-hand	single shut-off/ double shut-off	different	Europe	Coupl. 1/ Plug 5



Couplings with male thread (valved)

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	57.5	19	23.5	9	97	ESIE 14 AAB
G 3/8 m	58.5	19	23.5	10	101	ESIE 38 AAB
G 1/2 m	60.5	24	23.5	12	130	ESIE 12 AAB



Couplings with female thread (valved)

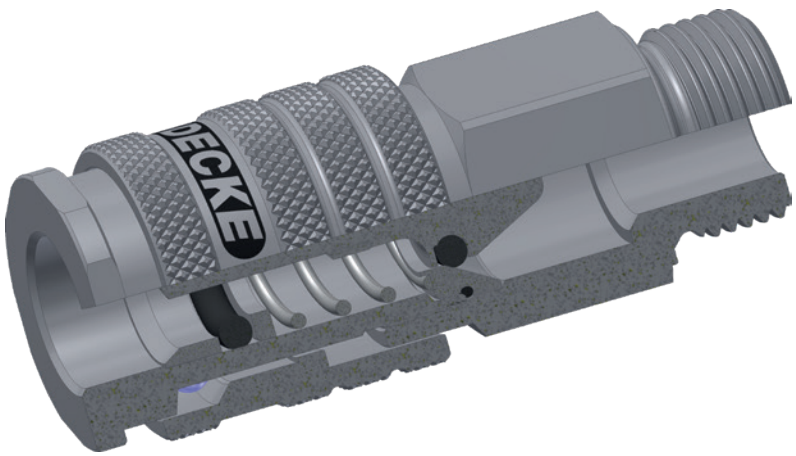
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	57.5	19	23.5	10	106	ESIE 14 IAB
G 3/8 f	57.5	19	23.5	10	100	ESIE 38 IAB
G 1/2 f	59.5	24	23.5	12	133	ESIE 12 IAB



Couplings with hose stem (valved)

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73.5	19	23.5	25	97	ESIE 6 TAB
Hose i.D. 8	73.5	19	23.5	25	98	ESIE 8 TAB
Hose i.D. 9	73.5	19	23.5	25	99	ESIE 9 TAB
Hose i.D. 10	73.5	19	23.5	25	99	ESIE 10 TAB
Hose i.D. 13	73.5	19	23.5	25	101	ESIE 13 TAB

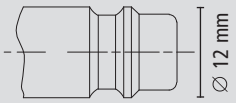
For hose clips type HSE (page 316)



Industrial Quick Connect Couplings

single shut-off and double shut-off Series ESIE

DN7.8



Plug Profile (original size)

Clean Connect by LÜDECKE

Plugs with male thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	33	17	9	20	22	ESE 14 NA
G 3/8 m	33	19	9	20	25	ESE 38 NA
G 1/2 m	37	24	12	20	45	ESE 12 NA



Plugs with female thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	32	17	10	20	20	ESE 14 NI
G 3/8 f	32	19	10	20	25	ESE 38 NI
G 1/2 f	35	24	12	20	36	ESE 12 NI



Plugs with hose stem (non-valved)

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	46	12	25	20	13	ESE 6 S
Hose i.D. 8	46	12	25	20	15	ESE 8 S
Hose i.D. 9	46	12	25	20	14	ESE 9 S
Hose i.D. 10	46	12	25	20	17	ESE 10 S
Hose i.D. 13	46	12	25	20	24	ESE 13 S

For hose clips type HSE (page 316)



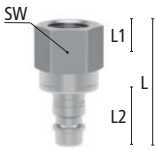
Plugs with tapered male thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	43	22	9	20	52	ESE 14 NAAB
G 3/8 m	45	22	10	20	55	ESE 38 NAAB
G 1/2 m	47	24	12	20	62	ESE 12 NAAB



Plugs with tapered female thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	44	22	10.5	20	55	ESE 14 NIAB
G 3/8 f	44	22	10.5	20	55	ESE 38 NIAB
G 1/2 f	45.5	24	12	20	62	ESE 12 NIAB



Plugs with hose stem (valved)

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	54	22	25	20	55	ESE 6 SAB
Hose i.D. 8	54	22	25	20	55	ESE 8 SAB
Hose i.D. 9	54	22	25	20	55	ESE 9 SAB
Hose i.D. 10	54	22	25	20	56	ESE 10 SAB
Hose i.D. 13	54	22	25	20	57	ESE 13 SAB

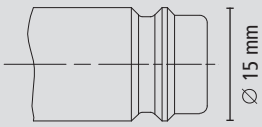


For hose clips type HSE (page 316)

Industrial Quick Connect Couplings

Series ESIGE single shut-off and double shut-off

DN 10



Plug Profile (original size)

- High quality and robust one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- High flow rates at low pressure drop due to energy efficient valve design
- Couplings also to be used with shut-off plugs
- Front body protected by collar design
- To be used in various applications such as fluid medias in motion and control, pharmaceutical, medical, chemical, food and beverage industry, as well as for high purity operations
- Temperature subject to media and sealing compound

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- O-rings: FKM (Buna N on request)

Clean Connect by LÜDECKE

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	10	ISO 228	2150/ 1020 l/min	One-hand	single/double shut-off	different	Europe	Coupl. 1/ Plug 5



Couplings with male thread (valved)

Thread connection	L	SW	L1	D	Weight	Type No.
G 3/8 m	61.5	24	10	27	144	ESIGE 38 AAB
G 1/2 m	63.5	24	12	27	148	ESIGE 12 AAB
G 3/4 m	67.5	32	16	27	213	ESIGE 34 AAB



Couplings with female thread (valved)

Thread connection	L	SW	L1	D	Weight	Type No.
G 3/8 f	56.5	24	11	27	146	ESIGE 38 IAB
G 1/2 f	56.5	24	12	27	138	ESIGE 12 IAB
G 3/4 f	67.5	32	16	27	213	ESIGE 34 IAB



Couplings with hose stem (valved)

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 9	76.5	24	27	25	145	ESIGE 9 TAB
Hose i.D. 10	76.5	24	27	25	144	ESIGE 10 TAB
Hose i.D. 13	76.5	24	27	25	147	ESIGE 13 TAB
Hose i.D. 16	76.5	24	27	25	149	ESIGE 16 TAB
Hose i.D. 19	76.5	24	27	25	151	ESIGE 19 TAB

For hose clips type HSE (page 316)



Plugs with male thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	35.5	19	9	21	30	ESIGE 38 NA
G 1/2 m	38.5	24	12	21	50	ESIGE 12 NA
G 3/4 m	43	32	16	21	83	ESIGE 34 NA



Plugs with female thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	36	19	12	21	28	ESIGE 38 NI
G 1/2 f	37	24	12	21	45	ESIGE 12 NI
G 3/4 f	42	32	16	21	92	ESIGE 34 NI



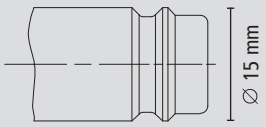
Plugs with hose barb (non-valved)

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 9	46.5	15	25	21	21	ESIGE 9 S
Hose i.D. 10	46.5	15	25	21	21	ESIGE 10 S
Hose i.D. 13	46.5	15	25	21	28	ESIGE 13 S
Hose i.D. 16	48	20	25	21	33	ESIGE 16 S
Hose i.D. 19	48	24	25	21	39	ESIGE 19 S

For hose clips type HSE (page 316)

Industrial Quick Connect Couplings
double shut-off Series ESIGE

DN 10

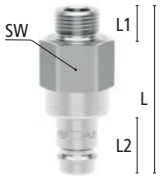


Plug Profile (original size)

Clean Connect by LÜDECKE

Plugs with male thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	59.5	24	10	21	88	ESIGE 38 NAAB
G 1/2 m	61.5	24	12	21	93	ESIGE 12 NAAB
G 3/4 m	65.5	32	16	21	157	ESIGE 34 NAAB



Plugs with female thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	54.5	24	11	21	90	ESIGE 38 NIAB
G 1/2 f	54.5	24	12	21	82	ESIGE 12 NIAB
G 3/4 f	58.5	32	16	21	145	ESIGE 34 NIAB



Plugs with hose stem (valved)

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	74.5	24	25	21	89	ESIGE 9 SAB
Hose i.D. 10	74.5	24	25	21	88	ESIGE 10 SAB
Hose i.D. 13	74.5	24	25	21	91	ESIGE 13 SAB
Hose i.D. 16	74.5	24	25	21	94	ESIGE 16 SAB
Hose i.D. 19	74.5	24	25	21	95	ESIGE 19 SAB

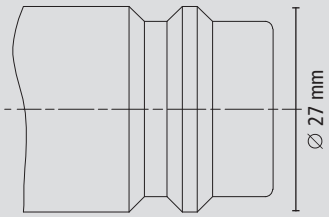
For hose clips type HSE (page 316)



Industrial Quick Connect Couplings

Serie ESGE single shut-off and double shut-off

DN 19



Plug Profile (original size)

- High quality, robust one-hand quick connect couplings made of stainless steel 1.4404
- High flow rates with low pressure drop due to energy efficient valve design for high volume media flow in connection with connecting function by one-hand operation
- Couplings also to be used with shut-off plug
- To be used in various applications with fluid media, such as compressed air, craftmanship, high capacity tools and machinery
- According to TA-Luft for industrial production plants

Materials

- Body, sleeve, valve body, valve, balls, plug: Stainless steel 1.4404
- Springs, retaining ring: Stainless steel 1.4571
- O-rings: FKM

Clean Connect by LÜDECKE

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area
PN 35 bar	-20°C – +150°C	19	ISO 228	8000/ 2600 l/min	One-hand	single-/double shut-off	different	Europe



Coupling with Male thread (valved)

Thread Connection	L	SW	D	L1		Weight	Type No.
G 3/4 m	95	41	46	16	1	575	ESGE 34 AAB
G 1 m	98	41	46	19	1	606	ESGE 10 AAB
G 1 1/4 m	98	46	46	19	1	695	ESGE 54 AAB



Coupling with female thread (valved)

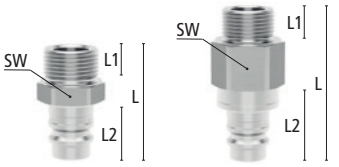
Thread Connection	L	SW	D	L1		Weight	Type No.
G 3/4 f	99	41	46	20	1	694	ESGE 34 IAB
G 1 f	99	41	46	21	1	641	ESGE 10 IAB
G 1 1/4 f	104	50	46	22	1	884	ESGE 54 IAB



Coupling with hose stem (valved)

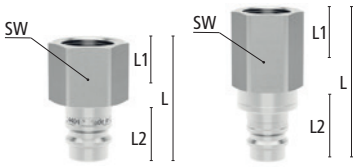
Hose connection	L	D	L1		Weight	Type No.
Hose i.D. 19	128	46	36	1	613	ESGE 19 TAB
Hose i.D. 25	129	46	48	1	640	ESGE 25 TAB

For hose clips type HSE (page 316)



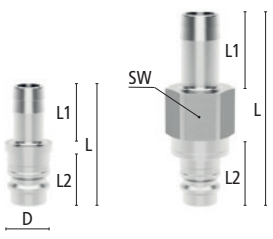
Plugs with male thread (non-valved / valved)

Thread connection	L	SW	L1	L2	Type of Valve		Weight	Type No.
G 3/4 m	60	32	16	34	valved	5	142	ESGE 34 NA
G 1 m	65	36	19	34	valved	5	194	ESGE 10 NA
G 1 1/4 m	68	46	19	34	valved	5	307	ESGE 54 NA
G 3/4 m	92	41	16	34	non-valved	1	372	ESGE 34 NAAB
G 1 m	95	41	19	34	non-valved	1	403	ESGE 10 NAAB
G 1 1/4 m	95	46	19	34	non-valved	1	492	ESGE 54 NAAB



Plugs with female thread (non-valved/ valved)

Thread connection	L	SW	L1	L2	Type of Valve		Weight	Type No.
G 3/4 f	58	32	20	34	valved	5	151	ESGE 34 NI
G 1 f	68	41	24	34	valved	5	297	ESGE 10 NI
G 1 1/4 f	70	50	26	34	valved	5	413	ESGE 54 NI
G 3/4 f	96	41	20	34	non-valved	1	491	ESGE 34 NIAB
G 1 f	96	41	21	34	non-valved	1	438	ESGE 10 NIAB
G 1 1/4 f	101	50	22	34	non-valved	1	681	ESGE 54 NIAB



Plugs with hose stem (non-valved/ valved)

Hose connection	L	SW	D	L1	L2	Type of Valve		Weight	Type No.
Hose i.D. 19	75	-	30	36	34	valved	5	161	ESGE 19 S
Hose i.D. 25	87	-	35	48	34	valved	5	175	ESGE 25 S
Hose i.D. 19	116	41	-	36	34	non-valved	1	410	ESGE 19 SAB
Hose i.D. 25	126	41	-	48	34	non-valved	1	437	ESGE 25 SAB

For hose clips type HSE (page 316)

NEW!

MODY CleanConnect Spiral Hoses made of Polyurethane

with Straight Sides for the Food Industry and Pharmacy

- High-abrasion, pressure and wear resistance as well as extreme and constant recoil of the spirals
- Perfect elasticity, flexibility, can be driven over, crush-resistant, free of taste and smell
- Resistant to microbes and hydrolysis, oil, gas and chemical resistant, good cold flexibility
- Polyurethane food-safe according to FDA 21 CFR 177.2600 and 178.2010, EU regulation 10/2011 and the newest regulation 2015/174
- Approved according to the EU regulation 1935/2004
- Production process according to GMP EC 2023/2006
- For applications in the pneumatic sector as well as for liquids, gases and abrasive solids
- For applications in the food industry (e.g. food conveying, dry, watery, acidic and fatty foods), pharmaceutical industry (FDA, EU regulation)

Food-Safe

Materials

- Hose: Polyurethane (Polyether Polyurethane)
- Coupling, plug: Stainless steel 1.4305

Max. Working Pressure	Temperature	Media	Colours	Short End	Long End	
PN 12 bar	-40°C – +90°C	different	Transparent	100	500	1

Hose i.D./o.D.	Connection	Max. Working L. Hose Length		Block Length Outer Spiral∅		Weight	Type. Nr.
8/12	without	3000	4700	240	75	345	PUL 8123
8/12	without	6000	7600	400	75	555	PUL 8126
8/12	without	8000	9700	540	75	710	PUL 8128
8/12	ESE-coupling + plug	3000	4700	240	75	505	PUL 8123 ESE
8/12	ESE-coupling + plug	6000	7600	400	75	715	PUL 8126 ESE
8/12	ESE-coupling + plug	8000	9700	540	75	870	PUL 8128 ESE



MODY-CleanConnect-Hose of Polyurethane, non-spiraled (minimum quantity 10m/ type)

Hose i.D./o.D.	Weight g/m	Type. Nr.
8/12	80	PUL 812



Compressed air Blow-off Valve

made of Stainless Steel

- Blow-off valve made of stainless steel for permanent use under heavy working conditions
- For cleaning of working areas and parts at applications with elevated hygiene regulations

Materials

- Blow-off valve: Stainless steel 1.4305
- Handle: Stainless steel 1.4308

Max. Working Pressure	Temperature	Media	
PN 12 bar	-20°C – +100°C	Compressed Air	5

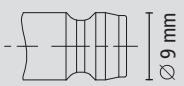
Compressed Air Blow-off Valve made of Stainless Steel

Connection	Version	Nozzle bore	L	D	Weight	Type No.
Plug ESE	with nozzle HE2	2	108	22	277	AHLE ESE



Temperature Regulation Quick Connect Couplings
Series ESHME plug size 9 mm - Stainless Steel 1.4305

- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.



Plug Profile (original size)

Materials
- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining rings: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

European Plug Profile

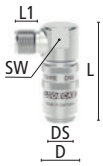












Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	53	17	22.5	9	6	45	ESHME 9 TL	ESHME 9 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHME 9 TL-45	ESHME 9 TL-45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	42.5	17	25.5	9	6	62	ESHME 9 TL-90	ESHME 9 TL-90AB

Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	48	17	17	9	9	6	60	ESHME 14 A	ESHME 14 AAB
M 14x1.5 m	48	17	17	9	9	6	60	ESHME 1415 A	ESHME 1415 AAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	65	ESHME 14 A-45	ESHME 14 A-45AB
M 14x1.5 m	47	16	17	9	9	6	65	ESHME 1415 A-45	ESHME1415A-45AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	75	ESHME 14 A-90	ESHME 14 A-90AB
M 14x1.5 m	47	16	17	9	9	6	75	ESHME 1415 A-90	ESHME1415A-90AB

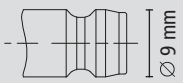
Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

Other types / sizes on request!

Suitable hose clips (page 316), double-ear hose clips (page 314) or crimping ferrules for standard hoses (page 318)

Temperature Regulation Quick Connect Couplings

plug size 9 mm - Stainless Steel 1.4305 Series ESHME



Plug Profile (original size)

Plugs

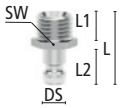
Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 9	39.5	12	22.5	14	9	6	13	ESHME 9 SL



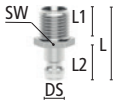
Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/8 m	24	11	7	14	9	6	10	ESHME 18 NA
G 1/4 m	26	15	9	14	9	6	14	ESHME 14 NA
G 3/8 m	27	17	9	14	9	6	18	ESHME 38 NA
M 8x0.75 m	24	11	7	14	9	4.5	9	ESHME 875 NA
M 10x1 m	24	11	7	14	9	6	8	ESHME 101 NA
M 14x1.5 m	26	15	9	14	9	6	14	ESHME 1415 NA
M 16x1.5 m	26	17	9	14	9	6	18	ESHME 1615 NA



Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	29	15	12	14	9	6	14	ESHME 14 NAAB
G 3/8 m	30	17	12	14	9	6	22	ESHME 38 NAAB
M 14x1.5 m	29	15	12	14	9	6	15	ESHME 1415 NAAB



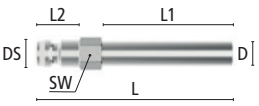
Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 - DN 6	34	12	14	14	9	9	6	15	ESHME-ESHME
DN 6 - DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE



Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	9	42	14	9	6	14	ESHME 63 R
8	100	9	79	14	9	6	20	ESHME 100 R
10	120	11	99	14	9	6	49	ESHME 120 R

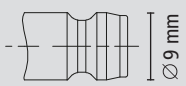


NEW!

Temperature Regulation Quick Connect Couplings

Series ESHMTE plug size 9 mm – Stainless Steel with Automatic Locking Mechanism

DN 6



Plug Profile (original size)

Temp Secure by LUDECKE

PATENTED • PATENTED

European Plug Profile

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as oil tempered i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, sleeve, valve body, valve, plug: stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.d. 9	61	18	22.5	9	6	54	ESHMTE 9 TL	ESHMTE 9 TLAB

Couplings with 45° standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.d. 9	54	18	22.5	9	6	79	ESHMTE 9 TL45	ESHMTE 9 TL45AB

Couplings with 90° standard hose stem without/with valve



Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.d. 9	56	18	22.5	9	6	88	ESHMTE 9 TL90	ESHMTE 9 TL90AB

Couplings with male threads

Couplings with straight male thread without/with valve (inner cone DIN 3863)



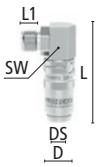
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56.5	17	18	11	9	6	67	ESHMTE14AL	ESHMTE14ALAB
M 14x1.5 m	56.5	17	18	11	9	6	68	ESHMTE1415AL	ESHMTE1415ALAB

Couplings with 45° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	17	18	11	9	6	83	ESHMTE14AL45	ESHMTE14AL45AB
M 14x1.5 m	52	17	18	11	9	6	84	ESHMTE1415AL45	ESHMTE1415AL4AB

Couplings with 90° male thread without/with valve (inner cone DIN 3863)



Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56	17	18	11	9	6	92	ESHMTE14AL90	ESHMTE14AL90AB
M 14x1.5 m	56	17	18	11	9	6	93	ESHMTE1415AL90	ESHMTE1415AL9AB

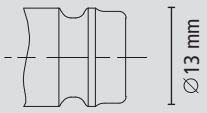
other types / sizes on request!

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel 1.4305 Series ESHE

- For temperature regulation applications with hot or cold water as well as oil tempered i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

DN 9



Plug Profile (original size)

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

European Plug Profile

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	61.5	22	25	13	9	81	ESHE 13 TL	ESHE 13 TLAB



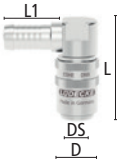
Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	51	22	30	13	9	109	ESHE 13 TL-45	ESHE 13 TL-45AB



Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	51	22	30	13	9	111	ESHE 13 TL-90	ESHE 13 TL-90AB



Couplings with thread connection

Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	52	22	22	9	13	9	94	ESHE 38 A	ESHE 38 AAB
M 16x1.5 m	52	22	22	9	13	9	93	ESHE 1615 A	ESHE 1615 AAB



Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	114	ESHE 38 A-45	ESHE 38 A-45AB
M 16x1.5 m	54	19	22	9	13	9	114	ESHE 1615 A-45	ESHE 1615 A-45AB



Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	126	ESHE 38 A-90	ESHE 38 A-90AB
M 16x1.5 m	54	19	22	9	13	9	126	ESHE 1615 A-90	ESHE 1615 A-90AB



Couplings with straight female thread without/ with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13	9	102	ESHE 14 I	ESHE 14 IAB
G 3/8 f	46	22	22	9	13	9	104	ESHE 38 I	ESHE 38 IAB



Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

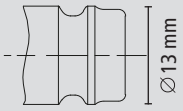
Other types / sizes on request!

Suitable hose clips (page 316), double-ear hose clips (page 314) or crimping ferrules for standard hoses (page 318)

Temperature Regulation Quick Connect Couplings

Series ESHE plug size 13 mm – stainless steel 1.4305

DN 9



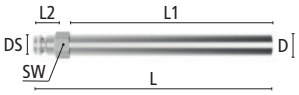
Plug Profile (original size)











Plugs

Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 13	39.5	16	25	14	13	9	25	ESHE 13 SL

Plugs with straight male thread without valve (inner cone DIN 3863)

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	26	15	9	14	13	9	17	ESHE 14 NA
G 3/8 m	26	17	9	14	13	9	22	ESHE 38 NA
G 1/2 m	31	22	12	14	13	9	22	ESHE 12 NA
M 14x1.5 m	26	15	9	14	13	9	16	ESHE 1415 NA
M 16x1.5 m	26	17	9	14	13	9	20	ESHE 1615 NA

Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	11	14	13	9	21	ESHE 14 NAAB
G 3/8 m	29	17	12	14	13	9	23.5	ESHE 38 NAAB
M 16x1.5 m	29	17	12	14	13	9	23	ESHE 1615 NAAB

Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 – DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE
DN 9 – DN 9	34	14	14	14	13	13	9	25	ESHE-ESHE

Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	14	13	9	109	ESHE 150 R

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel with Automatic Locking Mechanism Series ESHTE

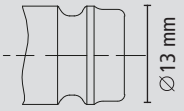
NEW!

- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For Temperature Regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, locking sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring

DN 9



Plug Profile (original size)

Temp Secure by LÜDECKE

PATENTED • PATENTED

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

European Plug Profile

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	63	23.5	25	13	9	77	ESHTE 13 TL	ESHTE 13 TLAB



Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL45	ESHTE 13 TL45AB



Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL90	ESHTE 13 TL90AB



Couplings with male thread

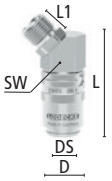
Couplings with straight male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	56	22	23.5	12.5	13	9	95	ESHTE38AL	ESHTE38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	94	ESHTE1615AL	ESHTE1615ALAB



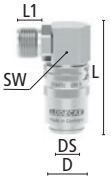
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL45	ESHTE38AL45AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL45	ESHTE1615AL45AB



Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL90	ESHTE38AL90AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL90	ESHTE1615AL90AB



Other sizes on request

*depends on media (Oil: 200°C, Water: 160°C, Air: 200°C)

Manifolds for Temperature Regulation Lines

of Stainless Steel 1.4401

- For a clearly arranged composition of flow and reflux as close as possible to the mould tool, for a direct assembly to the machine
- Increases the working and production safety through its clearly arranged composition of temperature regulation lines, saves energy and hose lines because of central inlet of the temperature regulation media into the machine
- A central inflow from and outflow to the temperature regulation tool, as many outlets as necessary to the mould tool because of the modular construction and different lengths
- Profile can be extended or combined as often as desired due to the bar connector system
- Stainless steel manifolds mainly for applications with aggressive media
- Lateral inlet thread G 3/4 f, top outlet thread 1/4 f for coupling Series DN 6 and DN 9
- Other types / measures on demand!

Materials:

- Manifold: Stainless Steel 1.4401
- Blank End Plug: Brass MS 58

Max. Working Pressure	Temperature	Thread	Media	
PN 15 bar	-20°C – +200°C	ISO 228	Tempered media	1



Manifold made of Stainless Steel 1.4401

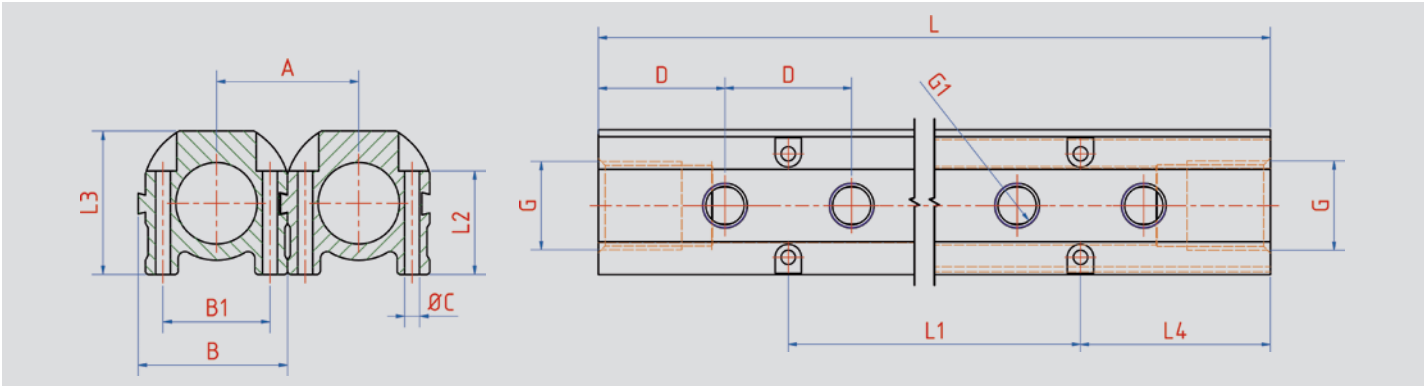
G*	G1**	L	B	L1	L2	L3	L4	ØC	A	D	B1	Weight	Type No.
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	1490	VBE 34144-190

Blank End Plug for Manifolds

Thread connection	Inner Hexagon		Weight	Type No.
G 3/4 m	SW 12	5	80	VBS-34

*Thread connection on the side

**Thread connection on the top



Colour Coding

- Easy identification and distinction between flow and return lines of the tempered circuit with red or blue anodised colour coding (for the series ESHME and ESHE)
- Surcharge per piece and a minium order quantity of 20 pieces/type. When ordering, simply add to a standard article number "R" or "B" (e.g. ESHE 13 TLR or ESHME 9 TALBB)
- The rings are also available for self-assembly. Simply slide the ring on the coupling sleeve for identification!

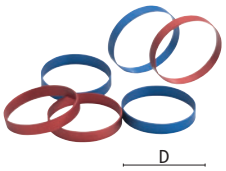
Materials

- Colour coding: Aluminium anodised

Marking rings for temperature regulation couplings

for coupling type	D	Colour		Weight	Type No.
ESHME (DN 6)	17	red	50	1	ESHM-CR-R
ESHME (DN 6)	17	blue	50	1	ESHM-CR-B
ESHE (DN 9)	22	red	50	2	ESH-CR-R
ESHE (DN 9)	22	blue	50	2	ESH-CR-B

Other coupling series available on request.



NEW!

Fittings for Cleaning Applications

made of Stainless Steel 1.4404



- High-quality hose fitting of stainless steel 1.4404
- Hose fitting for hose crimping consisting of: hose barb with 60° sealing cone and hexagon nut or hose barb with male thread and 60° sealing cone and crimping ferrule
- High pressure and temperature capabilities, absolutely tight and durable
- Hygienic smooth surfaces as well as free and clean passage to prevent dirt accumulation
- For cleaning applications in the food industry (e.g. for application with aggressive cleaning agents), etc.

Materials

- Hose barb, hexagon nut, crimping ferrule, thread stems, double nipple: Stainless steel 1.4404

Clean Connect by LÜDECKE

Max.Working Pressure	Temperature	Thread	Media	
PN 40 bar**	up to +150°C	ISO 228	Water with cleaning agents / steam	5



Hose barbs with 60° sealing cone and hexagon nut for hose crimping

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 f	Hose i.D. 13	42	27	12	34	9.5	67	STE 1213 PH-...*
G 3/4 f	Hose i.D. 19	69.5	32	16	34	14.5	142	STE 3419 PH-...*

Hose connection with crimping ferrule type PHE (page 240)



Hose barbs with male thread and 60° sealing cone according to ISO 8434-6 for hose crimping

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 m	Hose i.D. 13	63.5	22	14	34	9.5	57	TAE 1213 PH-...*
G 3/4 m	Hose i.D. 19	66.5	27	16	34	14.5	117	TAE 3419 PH-...*

Hose connection with crimping ferrule type PHE (page 240)



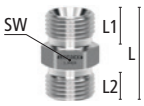
Crimping ferrules (hydraulic crimping)

L	D	D1	Weight	Type No.
37	30	23	61	PHE-13-...*
37	36	29	75	PHE-19-...*



Thread stems with male thread and 60° sealing cone according to ISO 8434-6 and squeeze nut

Thread connection	Hose connection	L	SW	L1	L2	SW1	Bore	Weight	Type No.
G 1/2 m	Hose i.D. 13	71	22	25	14	27	10	168	TAE 1213 TQ-...*
G 3/4 m	Hose i.D. 19	73.5	27	25	16	32	13	245	TAE 3419 TQ-...*



Double Nipples with male threads on both sides

Thread connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 m - G 1/2 m	36	22	14	14	13	56	D 12 E
G 3/4 m - G 3/4 m	40	27	16	16	13	114	D 34 E
G 3/4 m - G 1/2 m	38	27	16	12	13	92	D 3412 E

*the exact article number can be determined upon selection of hose to be used and consulting our sales team

**subject to temperature, assembly and hose

NEW!

Quick Connect Couplings for Cleaning Applications

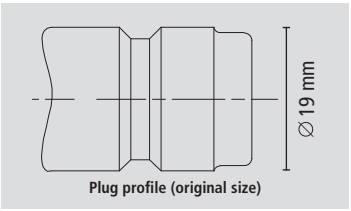
made of Stainless Steel 1.4404 Series ESLGE

DN 13

- High-quality quick connect couplings made of stainless steel 1.4404
- Easy to couple, high-pressure and temperature capabilities, absolutely tight and durable
- Hygienic smooth surfaces as well as free and clean passage to prevent dirt accumulation
- O-rings which are especially approved for the food sector (VO 1935/2004) and for the drinking water sector (according to elastomer guide line, DVGW W 270, DVGW W 534)
- Different connection types (squeeze nut, hose crimping or female thread)
- For cleaning applications in the food industry, etc.

Materials

- Body, sleeve, plug, crimping ferrule: Stainless steel 1.4404
- Springs, retaining ring: Stainless steel 1.4571
- Balls: Stainless steel 1.4401
- O-Rings: EPDM (others on request)



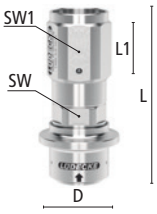
Plug profile (original size)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 40 bar**	up to +140°C	13	ISO 228	Two-Hand	straight-through	Water with cleaning agents / steam	5

Clean Connect by LUDECKE

Couplings with squeeze nut

Hose connection	L	SW	D	L1	SW1	Bore	Weight	Type No.
Hose i.D. 13	93.5	24	43	25	27	10	303	ESLGE 13 TQ-...*
Hose i.D. 19	92	27	43	25	32	13	345	ESLGE 19 TQ-...*



Couplings for hose crimping

Hose connection	L	D	L1	Bore	Weight	Type No.
Hose i.D. 13	79	43	34	9.5	187	ESLGE 13 TPH-...*
Hose i.D. 19	79	43	34	13	225	ESLGE 19 TPH-...*

Hose connection with crimping ferrule type PHE (page 240)



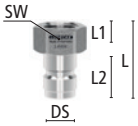
Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/2 f	50	27	43	10	200	ESLGE 12 I
G 3/4 f	53	32	43	10	220	ESLGE 34 I



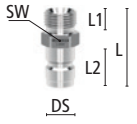
Plugs with female thread

Thread connection	L	SW	L1	L2	DS	Weight	Type No.
G 1/2 f	42	27	10	27	19	72	ESLGE 12 NI
G 3/4 f	42.5	32	10	27	19	86	ESLGE 34 NI



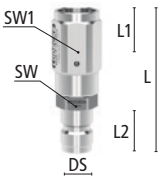
Plugs with male thread and 60° sealing cone according to ISO 8434-6

Thread connection	L	SW	L1	L2	DS	Weight	Type No.
G 1/2 m	49	22	14	27	19	66	ESLGE 12 NA
G 3/4 m	51	27	16	27	19	101	ESLGE 34 NA



Plugs with squeeze nut

Hose connection	L	SW	L1	L2	DS	SW1	Weight	Type No.
Hose i.D. 13	84	22	25	27	19	27	173	ESLGE 13 SQ-...*
Hose i.D. 19	84.5	27	25	27	19	32	232	ESLGE 19 SQ-...*



Plugs for ferrule crimping

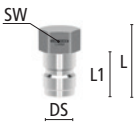
Hose connection	L	D	L1	DS	Bore	Weight	Type No.
Hose i.D. 13	70.5	22	34	19	9.5	53	ESLGE 13 SPH-...*
Hose i.D. 19	70.5	22	34	19	13	92	ESLGE 19 SPH-...*

Hose connection with crimping ferrule type PHE (page 240)



Cap plug

L	SW	L1	DS	Weight	Type No.
40	22	27	19	100	ESLGE-V



*the exact article number can be determined upon selection of hose to be used and consulting our sales team

**subject to temperature, assembly and hose

Claw Couplings

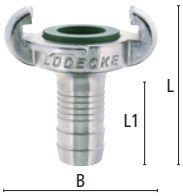
Standard Version DIN 3489 made of Stainless Steel 1.4401

- High quality couplings of corrosion and acid-resistant steel 1.4401 with safety notches
- With acid-resistant rubber ring of FKM, other materials (see below)
- Couplings investment casted (low wax casting), perfect surface finish
- Maximum bore for maximum flow capacity
- Turned gasket seat, therefore 100 % tight
- Turned stem profile for perfect fit of the hose, 100 % couple-test and sight control
- For aggressive fluids (depending on mixture concentration) in chemical or petrochemical industry, in tank or container-construction, etc.
- For food or drinking water applications use rubber ring type GPOR (with approval for the food processing sector)

Materials:

- Claw, connector: Stainless steel 1.4401
- Thread ferrule: Brass MS 58 chromed
- Chain: Stainless steel 1.4301
- Seal: FKM

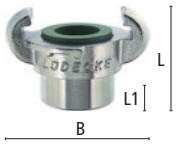
Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	
PN 16 bar	-30°C – +200°C	ISO 228	DIN 3489	42 mm	Chemical media	1



Hose Claw Couplings (DIN 3489)

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	65	63	40	6.5	125	EKT 10 V
Hose i.D. 13	65	63	40	9	129	EKT 13 V
Hose i.D. 19	65	63	40	15	142	EKT 19 V
Hose i.D. 25	65	63	40	20	165	EKT 25 V

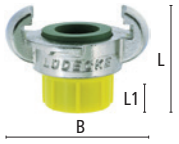
Swivelling execution on request.



Female Claw Couplings (DIN 3489)*

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	41.5	63	14	15	173	EKI 38 V
G 1/2 f	41.5	63	15	15	163	EKI 12 V
G 3/4 f	41.5	63	16	20	158	EKI 34 V
G 1 f	41.5	63	18	20	160	EKI 10 V

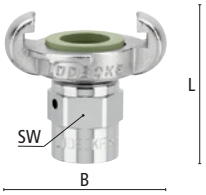
*On request also available with NPT thread against extra charge!



Male Claw Couplings (DIN 3489) with thread protective cap*

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 m	39	63	12	10	148	EKA 38 V
G 1/2 m	39	63	14	14	151	EKA 12 V
G 3/4 m	41.5	63	15	19	155	EKA 34 V
G 1 m	41.5	63	15	20	180	EKA 10 V

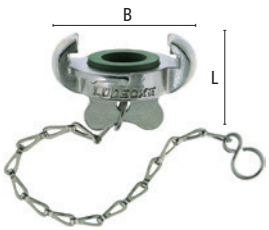
*On request also available with NPT thread against extra charge!



Hose Claw Coupling with Thread Ferrule (according to DIN EN 14 424)

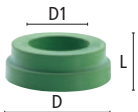
Hose connection	L	SW	B	Passage	Weight	Type No.
Hose 13x3	57	24	63	11	170	EKTQ 133 V
Hose 13x5	57	27	63	11	175	EKTQ 135 V
Hose 15x5	57	32	63	13	190	EKTQ 155 V
Hose 19x5	57	32	63	16	195	EKTQ 195 V
Hose 19x6	57	36	63	16	200	EKTQ 196 V
Hose 25x5	62	41	63	22	250	EKTQ 255 V
Hose 25x7	62	46	63	22	260	EKTQ 257 V

Assembly instructions for thread ferrules (see catalogue page 433)



Blank Ends (DIN 3489)

Version	L	B		Weight	Type No.
without chain	42	63		144	EKO V
with chain	42	63		136	EKM V
chain (spare part)	200		10	7	EKMV-K



Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A		Weight	Type No.
Chem. media	10.5	34	20	FKM	-30 /+200	green	50°	10	9	GVOR
Steam	10	33	20	TFEP	-40 /+200	red	65°	10	6	GDOR
Foods	10.5	34	20	EPDM	-40 /+130	nature	70°	10	9	GPOR

Claw Couplings

MODY-Safety-Screwing Couplings made of Stainless Steel 1.4401

- High quality couplings of corrosion and acid-resistant steel 1.4401 with safety notches
- Easy to couple, secured against unintended opening by screwing the locking nut manually
- With acid-resistant rubber ring of FKM, other materials (see below)
- Couplings investment casted (low wax casting), perfect surface finish
- Maximum bore for maximum flow capacity
- Turned gasket seat, therefore 100 % tight
- Turned stem profile for perfect fit of the hose, 100 % couple-test and sight control
- For aggressive fluids (depending on mixture to concentration) in chemical or petrochemical industry, in tank or container-construction,etc.
- For food or drinking water applications use rubber ring type GPOR (with approval for the food processing sector)

Materials:

- Claw: Stainless steel 1.4401
- Locking nut: Stainless steel 1.4305
- Connector: Stainless steel 1.4404
- Crimping ferrule: Brass MS 58 plain
- O-rings: FKM, TFEP

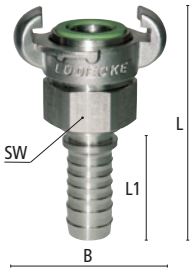
Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	
PN 16 bar	-30°C – +200°C	ISO 228	DIN 3238	42 mm	Chemical media	1

Mody-Safety-Hose Claw Couplings (DIN 3238)

Hose connection	L	SW	B	L1	Passage	Weight	Type No.
Hose i.D. 13	105	36	63	41	9	337	EKS 13 V
Hose i.D. 19	105	36	63	41	15	350	EKS 19 V
Hose i.D. 25	105	36	63	41	18	380	EKS 25 V

Other sizes on request.

Hose assembly with hose clamps type SLE (page 313)



Mody-Safety-Hose Claw Couplings (DIN 3238) with brass MS 58 safety clamps for steam applications (DIN EN 14 423)

Hose connection	L	B	Passage	Mat. sealing	Weight	Type No.
Hose 13x6	120	63	10	TFEP (SDOR-N)	840	EKS 13 KSM
Hose 19x7	120	63	15	TFEP (SDOR-N)	940	EKS 19 KSM

For Hose 25 x 7.5 (1") on request

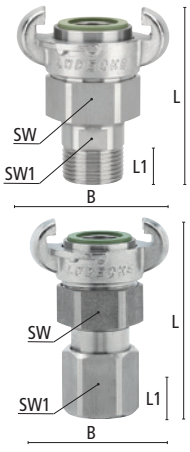


Mody-Safety Male Thread Claw Couplings (DIN 3238)

Thread connection	L	SW	B	L1	SW1	Passage	Weight	Type No.
G 1/2 m	77	36	63	12	24	13	320	EKSA 12 V
G 3/4 m	80	36	63	15	24	18	335	EKSA 34 V
G 1 m	82	36	63	15	24	18	370	EKSA 10 V

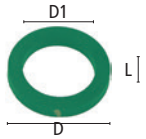
Mody-Safety Female Thread Claw Couplings (DIN 3238)

Thread connection	L	SW	B	L1	SW1	Passage	Weight	Type No.
G 1/2 f	80	36	63	15	24	18	345	EKSI 12 V
G 3/4 f	95	36	63	15	32	18	430	EKSI 34 V
G 1 f	100	36	63	20	41	18	530	EKSI 10 V



Original Rubber Ring for MODY-Safety Claw Couplings

Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A	Version		Weight	Type No.
Chem. media	4	30	21	FKM	-30 / +200	green	70°	DIN 3238	10	2	SVOR-N
Chem. media	7	32.5	21	FKM	-30 / +200	green	60°	OLD	10	5	SVOR
Steam	4	30	21	TFEP	-40 / +200	red	65°	DIN 3238	10	1.7	SDOR-N
Foods	4	30	21	EPDM	-40 / +130	natur	75°	DIN 3238	10	2	SPOR-N




EN 14420-7
L U
DN20
CG-75
1.4401

Kamlok Quick Couplings and Plugs

DIN EN 14 420-7 made of Stainless Steel 1.4401 electro polished

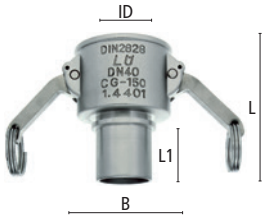
- High quality, robust couplings acc. to DIN EN 14 420-7 (formerly DIN 2828) for safety clamps
- Interchangeable with world-wide used types
- Surface electro polished, couplings generally with handle securing and safety clips
- Rubber Rings of Buna N, Hypalon, EPDM and FKM and handles as spare parts available
- Hose stem machined
- Replacement seal made of Buna N, Hypalon, EPDM and FKM, as well as handles as spare parts
- Universal coupling for aggressive fluids (according to concentration) in chemical and petrochemical industry, steel plants, food plants, medicine technique, off-shore or agriculture. EPDM sealing ring with approval for edibles/foods

Materials:

- Female part, male part, handle: Stainless steel 1.4401 electro polished
- O-ring: Buna N

Max. Working Pressure	Temperature	Norm	Media	
PN 16 bar	-40°C – +95°C	DIN EN 14 420-7	different	1

Couplings with hose stem for safety clamps (DIN EN 14 420-7 Form CC)



Hose connection	L	B	Type-Size	ID	L1	Passage	DN	For Clamp	Weight	Type No.
Hose 19x6	77	60	75	32.4	35	14.5	20	KSA 30-33	254	75-CG-SS-BU
Hose 25x6	83	66	100	37.3	35	21	25	KSA 36-39	335	100-CG-SS-BU
Hose 32x6	89	77	125	46	35	27.5	32	KSA 43-46	570	125-CG-SS-BU
Hose 38x6.5	91	82	150	54	34.5	33	40	KSA 50-53	653	150-CG-SS-BU
Hose 50x8	103	95	200	63.8	41	45.5	50	KSA 63-67	894	200-CG-SS-BU
Hose 63x8	120	107	250	76.5	53	58.5	65	KSA 78-82	1273	250-CG-SS-BU
Hose 75x8	127	132	300	92.2	57	70	80	KSA 89-93	1645	300-CG-SS-BU

Aluminium Clamps (page 75)

Plugs with hose stem for safety clamps (DIN EN 14 420-7 Form EC)



Hose connection	L	Type-Size	ID	L1	Passage	DN	For Clamp	Weight	Type No.
Hose 19x6	70	75	32.1	35	15	20	KSA 30-33	120	75-EG-SS
Hose 25x6	78	100	36.7	35	20.5	25	KSA 36-39	190	100-EG-SS
Hose 32x6	84	125	45.5	35	27.5	32	KSA 43-46	323	125-EG-SS
Hose 38x6.5	85	150	53.4	34.5	33	40	KSA 50-53	400	150-EG-SS
Hose 50x8	100	200	63	41	45	50	KSA 63-67	586	200-EG-SS
Hose 63x8	113	250	75.8	53	56.5	65	KSA 78-82	882	250-EG-SS
Hose 75x8	120	300	91.5	57	70	80	KSA 89-93	1122	300-EG-SS

Current information about standards:

- DIN 2828 is replaced by DIN EN 14 420-7
- New form marking:
  - female part with stem: Form CC
  - female part with female thread: Form DF
  - female part with male thread: Form BF
  - female part with blind cap: Form DC
  - male part with stem: Form EC
  - male part with female thread: Form AF
  - male part with male thread: Form FF
  - male part with sealing plug: Form DP
- The form markings on female and male are adapted accordingly
- Type approval tests and quality control:
  all types are checked using test jack connectors and defined test criteria
- Producer should be certified according to DIN EN ISO 9001 : 2000
- New maximum operating pressure of 16 bar or application limit
  of used pipes or hose lines

Kamlok Quick Couplings

DIN EN 14 420-7, MIL-C-27487 made of Stainless Steel 1.4401

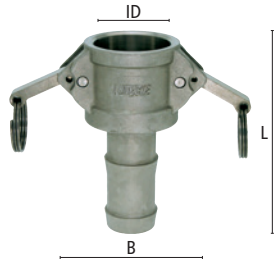
- High quality, robust couplings acc. to US-Mil.-Standard (MIL-C-27487) or DIN EN 14 420-7 (formerly DIN 2828)
- Interchangeable with world-wide used types
- Female threads with thread sealing ring of PTFE
- Seals of Buna N, Hypalon, EPDM and FKM and handles as spare parts
- Couplings generally with handle securing and safety clips (steel, zinc-plated)
- Universal coupling for aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel plants, food plants, medicine technique, off-shore or agriculture
- Current information about standards for DIN EN 14 420-7 (Page 245)

Materials:

- Female part, male part, handle: Stainless steel 1.4401
- O-rings: Buna N

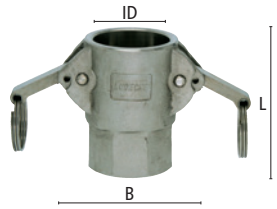
Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 16 bar	-40°C – +95°C	ISO 228 / DIN 2999	MIL-C-27487/ DIN EN 14 420-7	different	1

Couplings with hose stem (MIL-C-27487)



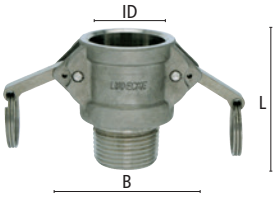
Hose connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
Hose i.D. 13	86	40	50	24.5	8	15	one handle w/o safety clip	150	50-C-SS-BU
Hose i.D. 19	82	63	75	32.4	14	20	two handles w safety clip	238	75-C-SS-BU
Hose i.D. 25	97	72	100	37.3	20	25	two handles w safety clip	358	100-C-SS-BU
Hose i.D. 32	108	83	125	46	25.5	32	two handles w safety clip	600	125-C-SS-BU
Hose i.D. 38	112	90	150	54	32	40	two handles w safety clip	723	150-C-SS-BU
Hose i.D. 50	130	102	200	63.8	44	50	two handles w safety clip	846	200-C-SS-BU
Hose i.D. 63	136	119	250	76.5	56.5	65	two handles w safety clip	1214	250-C-SS-BU
Hose i.D. 75	162	135	300	92.2	75	80	two handles w safety clip	1834	300-C-SS-BU
Hose i.D. 100	163	174	400	120.3	95	100	two handles w safety clip	3045	400-C-SS-BU

Couplings with female thread and thread sealing ring (DIN EN 14 420-7 Form DF)



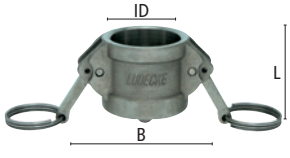
Thread connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
G 1/2 f	45	40	50	24.5	15	15	one handle w/o safety clip	147	50-D-SS-BU
G 3/4 f	51	63	75	32.4	17.5	20	two handles w safety clip	265	75-D-SS-BU
G 1 f	62	72	100	37.3	23	25	two handles w safety clip	398	100-D-SS-BU
G 1 1/4 f	70	83	125	46	31	32	two handles w safety clip	773	125-D-SS-BU
G 1 1/2 f	71	90	150	54	37	40	two handles w safety clip	817	150-D-SS-BU
G 2 f	78	102	200	63.8	47	50	two handles w safety clip	880	200-D-SS-BU
G 2 1/2 f	77	119	250	76.5	62	65	two handles w safety clip	1221	250-D-SS-BU
G 3 f	91	135	300	92.2	75	80	two handles w safety clip	1802	300-D-SS-BU
G 4 f	85	174	400	120.3	103	100	two handles w safety clip	2354	400-D-SS-BU

Couplings with male thread (DIN EN 14 420-7 Form BF)



Thread connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
R 1/2 m	47	40	50	24.5	14	15	one handle w/o safety clip	130	50-B-SS-BU
R 3/4 m	54	63	75	32.4	19	20	two handles w safety clip	233	75-B-SS-BU
R 1 m	64	72	100	37.3	25	25	two handles w safety clip	343	100-B-SS-BU
R 1 1/4 m	70	83	125	46	32	32	two handles w safety clip	592	125-B-SS-BU
R 1 1/2 m	71	90	150	54	38	40	two handles w safety clip	694	150-B-SS-BU
R 2 m	77	102	200	63.8	51	50	two handles w safety clip	708	200-B-SS-BU
R 2 1/2 m	85	119	250	76.5	63	65	two handles w safety clip	1007	250-B-SS-BU
R 3 m	95	135	300	92.2	75	80	two handles w safety clip	1438	300-B-SS-BU
R 4 m	90	174	400	120.3	102	100	two handles w safety clip	1988	400-B-SS-BU

Dust cap (DIN EN 14 420-7 Form DC)



L	B	Type-Size	ID	DN	System	Weight	Type No.
42	40	50	24.5	15	one handle w/o safety clip	123	50-DC-SS-BU
42	63	75	32.4	20	two handles w safety clip	183	75-DC-SS-BU
49	72	100	37.3	25	two handles w safety clip	274	100-DC-SS-BU
57	83	125	46	32	two handles w safety clip	493	125-DC-SS-BU
59	90	150	54	40	two handles w safety clip	559	150-DC-SS-BU
63	102	200	63.8	50	two handles w safety clip	756	200-DC-SS-BU
67	119	250	76.5	65	two handles w safety clip	897	250-DC-SS-BU
70	135	300	92.2	80	two handles w safety clip	1296	300-DC-SS-BU
70	174	400	120.3	100	two handles w safety clip	1898	400-DC-SS-BU

Kamlok Quick Plugs

made of Stainless Steel 1.4401

Plugs with hose stem (MIL-C-27487)

Hose connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
Hose i.D. 13	87	50	24	8	15	120	**50-E-SS**
Hose i.D. 19	88	75	32.1	14	20	171	**75-E-SS**
Hose i.D. 25	103	100	36.7	20	25	284	**100-E-SS**
Hose i.D. 32	110	125	45.5	25	32	442	**125-E-SS**
Hose i.D. 38	116	150	53.4	32	40	563	**150-E-SS**
Hose i.D. 50	146	200	63	43	50	812	**200-E-SS**
Hose i.D. 63	148	250	75.8	56	65	1186	**250-E-SS**
Hose i.D. 75	167	300	91.5	67	80	1815	**300-E-SS**
Hose i.D. 100	175	400	119.5	93	100	2945	**400-E-SS**



Plugs with female thread and thread sealing ring (DIN EN 14 420-7 Form AF)

Thread connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
G 1/2 f	41	50	24	14	15	76	**50-A-SS**
G 3/4 f	42	75	32.1	22	20	171	**75-A-SS**
G 1 f	52	100	36.7	24	25	222	**100-A-SS**
G 1 1/4 f	58	125	45.5	29	32	386	**125-A-SS**
G 1 1/2 f	62	150	53.4	38	40	493	**150-A-SS**
G 2 f	71	200	63	51	50	644	**200-A-SS**
G 2 1/2 f	75	250	75.8	58	65	945	**250-A-SS**
G 3 f	79	300	91.5	74	80	1320	**300-A-SS**
G 4 f	81	400	119.5	97	100	2118	**400-A-SS**



Plugs with male thread (DIN EN 14 420-7 Form FF)

Thread connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
R 1/2 m	49	50	24	14	15	103	**50-F-SS**
R 3/4 m	64	75	32.1	22	20	185	**75-F-SS**
R 1 m	72	100	36.7	24	25	258	**100-F-SS**
R 1 1/4 m	81	125	45.5	29	32	477	**125-F-SS**
R 1 1/2 m	82	150	53.4	38	40	565	**150-F-SS**
R 2 m	90	200	63	51	50	650	**200-F-SS**
R 2 1/2 m	105	250	75.8	58	65	1317	**250-F-SS**
R 3 m	104	300	91.5	74	80	1766	**300-F-SS**
R 4 m	114	400	119.5	97	100	2804	**400-F-SS**



Dust Plugs (DIN EN 14 420-7 Form DP)

L	Type-Size	ID	DN	Weight	Type No.
36	50	24	15	73	**50-DP-SS**
39	75	32.1	20	93	**75-DP-SS**
46	100	36.7	25	139	**100-DP-SS**
55	125	45.5	32	260	**125-DP-SS**
57	150	53.4	40	335	**150-DP-SS**
60	200	63	50	441	**200-DP-SS**
66	250	75.8	65	657	**250-DP-SS**
66	300	91.5	80	804	**300-DP-SS**
68	400	119.5	100	1525	**400-DP-SS**



Spare Parts for Kamlok Quick Couplings

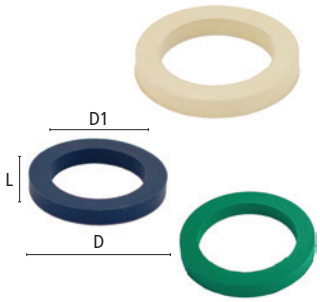
DIN EN 14 420-7, US MIL-Norm C-27487

- Replacement seals, thread sealing rings, handle and chain

Materials:

- Sealing rings, thread sealing rings: see below
- Handle: Stainless steel 1.4401
- Chain: Stainless steel 1.4301

Max. Working Pressure	Temperature	Norm	Media
PN 16 bar	-40°C – + 95°C	MIL-C-27487/ DIN EN 14 420-7	different



Sealing Rings for Kamlok-Couplings

Material: Buna N
Colour: black

L	D	Type-Size	D1	DN	📦	Weight	Type No.
4	27	50	17.5	15	10	2	EDR-50-BU
5.5	35	75	22	20	10	4	EDR-75-BU
6.5	39	100	27	25	10	6	EDR-100-BU
6.5	49	125	34.5	332	10	8	EDR-125-BU
6.5	55	150	41	40	10	9	EDR-150-BU
6.5	66	200	51	50	10	12	EDR-200-BU
6.5	79	250	60	65	10	19	EDR-250-BU
6.5	95	300	76	80	10	21	EDR-300-BU
6.5	124	400	101	100	10	37	EDR-400-BU

Thread Sealing Rings for female thread parts according to DIN EN 14 420-5 or 14 420-7

Material: PTFE

L	D	Type-Size	D1	📦	Weight	Type No.
2	21	50	15	10	1	GDR-50-PTFE
2	26	75	18	10	1	GDR-75-PTFE
2	33	100	23	10	2	GDR-100-PTFE
2	42	125	32	10	2	GDR-125-PTFE
2	48	150	38	10	3	GDR-150-PTFE
2	60	200	49	10	3	GDR-200-PTFE
2	76	250	63	10	4	GDR-250-PTFE
2	88	300	77	10	5	GDR-300-PTFE
2	114	400	100	10	6	GDR-400-PTFE

Sealing Rings of PTFE for female thread fittings of stainless steel
Sealing Rings of PUR for female thread fittings of brass



Handle complete with safety ring and slotted pin for stainless steel Kamlok-Couplings

Type-Size	📦	Weight	Type No.
50-75	10	19	KAH 1
100	10	29	KAH 2
125, 150, 200, 250	10	68	KAH 3
300, 400	10	110	KAH 4



Chain of stainless steel for Dust Caps and -Plugs

L	📦	Weight	Type No.
200	10	7	EKMV-K

Spare Parts for Kamlok Quick Couplings

DIN EN 14 420-7, US MIL-Norm C-27487

Hypalon Colour: blue	EPDM With food approval Colour: yellow	FKM Colour: green	Teflon-packed (U-form) with EPDM-core	
Type No.	Type No.	Type No.	Type No.	
EDR-50-HYP*	EDR-50-EPDM*	EDR-50-FPM*	-	-
EDR-75-HYP	EDR-75-EPDM	EDR-75-FPM	EDR-75-EPPT	1
EDR-100-HYP	EDR-100-EPDM	EDR-100-FPM	EDR-100-EPPT	1
EDR-125-HYP	EDR-125-EPDM	EDR-125-FPM	EDR-125-EPPT	1
EDR-150-HYP	EDR-150-EPDM	EDR-150-FPM	EDR-150-EPPT	1
EDR-200-HYP	EDR-200-EPDM	EDR-200-FPM	EDR-200-EPPT	1
EDR-250-HYP*	EDR-250-EPDM*	EDR-250-FPM*	EDR-250-EPPT	1
EDR-300-HYP	EDR-300-EPDM	EDR-300-FPM	EDR-300-EPPT	1
EDR-400-HYP*	EDR-400-EPDM*	EDR-400-FPM*	EDR-400-EPPT	1

*black with colour coding

PUR
Type No.
GDR-50-PUR
GDR-75-PUR
GDR-100-PUR
GDR-125-PUR
GDR-150-PUR
GDR-200-PUR
GDR-250-PUR
GDR-300-PUR
GDR-400-PUR

Steam Screwings

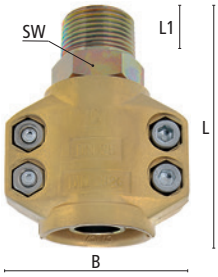
Thread Screwings (DIN EN 14 423)

- Solid, extreme robust female and male thread screwings made of steel, stainless steel 1.4305 or brass for steam hoses incl. safety clamps made of brass, according to DIN EN 14 423 (formerly DIN 2826)
- Female thread screwing two parts, swivelling, connecting nut flat sealing with female thread sealing ring Frenzelit Novatec Special
- Screws for safety clamps DIN 912-12.9 (Dacro 500A coated)
- To be used for saturated steam up to +210°C, or hot water up to +120°C and up to 18 bar working pressure

Materials:

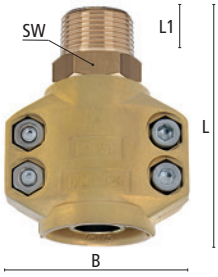
- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)/ Brass MS 58 plain/ Stainless Steel 1.4305
- Safety clamp: Brass MS 58 plain
- Sealing: Frenzelit Novatec Special

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 18 bar	sat. steam +210°C/ hot water +120°C	ISO 228/DIN 2999	DIN EN 14 423	sat. steam / hot water	1



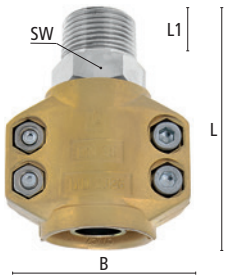
Male thread screwings of steel (zinc-plated and yellow passivated, free of chrome VI) with safty clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	16	15	9	447	DAK 12-13 ST
Hose 19x7	R 3/4 m	95	27	68	17	20	14	700	DAK 34-19 ST
Hose 25x7.5	R 1 m	100	36	77	21	25	20	933	DAK 10-25 ST
Hose 38x8	R 1 1/2 m	125	50	101	22	40	33	1940	DAK 15-38 ST
Hose 50x9	R 2 m	140	60	111	26	50	44	2631	DAK 20-50 ST



Male thread screwings of brass MS 58 with safety clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	16	15	9	447	DAK 12-13 MS
Hose 19x7	R 3/4 m	95	27	68	17	20	14	700	DAK 34-19 MS
Hose 25x7.5	R 1 m	100	36	77	21	25	20	940	DAK 10-25 MS
Hose 38x8	R 1 1/2 m	125	50	101	22	40	33	1940	DAK 15-38 MS
Hose 50x9	R 2 m	140	60	111	26	50	44	2631	DAK 20-50 MS



Male thread screwings of stainless steel 1.4305 with safety clamps of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	11	15	9	460	DAK 12-13 SS
Hose 19x7	R 3/4 m	95	27	68	15	20	14	530	DAK 34-19 SS
Hose 25x7.5	R 1 m	100	36	77	16	25	20	670	DAK 10-25 SS

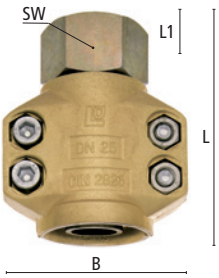
Steam Screwings

Thread Screwings (DIN EN 14 423)

Female thread screwings of steel (zinc-plated and yellow passivated, free of chrome VI) with safety clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	480	**DIK 12-13 ST**
Hose 19x7	G 3/4 f	92	32	68	15	20	14	680	**DIK 34-19 ST**
Hose 25x7.5	G 1 f	93	41	77	16	25	20	1022	**DIK 10-25 ST**
Hose 38x8	G 1 1/2 f	120	55	101	18	40	33	1930	**DIK 15-38 ST**
Hose 50x9	G 2 f	131	70	111	19	50	44	2613	**DIK 20-50 ST**

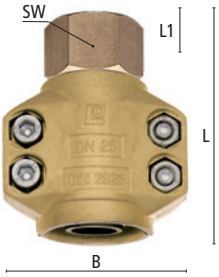
(Attention: Replace female thread sealing ring when screwing is reused!)



Female thread screwings of brass MS 58 with safety clamp of brass

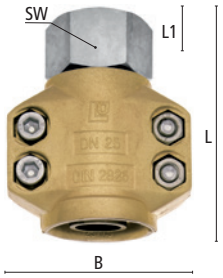
Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	480	**DIK 12-13 MS**
Hose 19x7	G 3/4 f	92	32	68	15	20	14	680	**DIK 34-19 MS**
Hose 25x7.5	G 1 f	93	41	77	16	25	20	1022	**DIK 10-25 MS**
Hose 38x8	G 1 1/2 f	120	55	101	18	40	33	1930	**DIK 15-38 MS**
Hose 50x9	G 2 f	131	70	111	19	50	44	2613	**DIK 20-50 MS**

(Attention: Replace female thread sealing ring when screwing is reused!)



Female thread screwings of stainless steel 1.4305 with safety clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	530	**DIK 12-13 SS**
Hose 19x7	G 3/4 f	92	32	68	15	20	14	700	**DIK 34-19 SS**
Hose 25x7.5	G1 f	93	41	77	16	25	20	950	**DIK 10-25 SS**



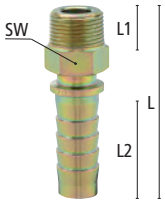
Steam Screwings

Female and Male Thread Stems for Hose Fittings with Clamp Frame (DIN EN 14 423)

- Massive, very robust female and male thread stems made of steel, stainless steel 1.4305 or brass according to DIN EN 14 423 (formerly DIN 2826)
- For combination with safety clamps KSM (Page 253)
- For the application with saturated steam up to + 210°C, or hot water up to + 120°C and up to 18 bar working pressure

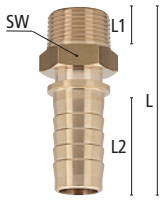
Materials:
- Thread stems: Steel zinc-plated and yellow passivated (free of chrome VI)/ Brass MS 58 plain/ Stainless Steel 1.4305
- Seals: Frenzelit Novatec Special

Max. Working Pressure	Temperature	Thread	Norm	Media
PN 18 bar	sat. steam +210°C/ hot water +120°C	ISO 228/ DIN 2999	DIN EN 14423	sat. steam / hot water



Male thread stems of steel (zinc-plated and yellow passivated, free of chrome VI)

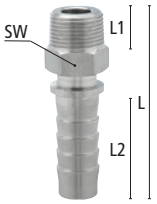
Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	110	DA 12-13 ST
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	170	DA 34-19 ST
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	270	DA 10-25 ST
Hose 38x8	R 1 1/2 m	118	50	22	72	33	40	KSM 15 D	5	510	DA 15-38 ST
Hose 50x9	R 2 m	131	60	26	75	44	50	KSM 20 D	1	830	DA 20-50 ST



Male thread stems of brass MS 58

Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	120	DA 12-13 MS
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	185	DA 34-19 MS
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	280	DA 10-25 MS
Hose 38x8	R 1 1/2 m	118	50	22	72	33	40	KSM 15 D	5	550	DA 15-38 MS
Hose 50x9	R 2 m	131	60	26	75	44	50	KSM 20 D	1	900	DA 20-50 MS

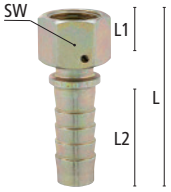
Other dimensions on request



Male thread stems of stainless steel 1.4305

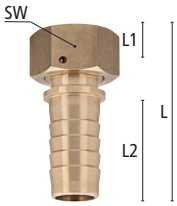
Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	115	DA 12-13 SS
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	175	DA 34-19 SS
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	270	DA 10-25 SS

Other dimensions on request



Female thread stems of steel (zinc-plated and yellow passivated, free of chrome VI)

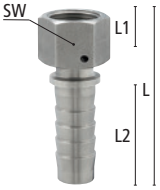
Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	125	DI 12-13 ST
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	180	DI 34-19 ST
Hose 25x7.5	G 1 f	87.5	41	16	52	20	25	KSM 10 D	10	280	DI 10-25 ST
Hose 38x8	G 1 1/2 f	111.5	55	18	72	33	40	KSM 15 D	5	515	DI 15-38 ST
Hose 50x9	G 2 f	119.5	70	19	75	44	50	KSM 20 D	1	810	DI 20-50 ST



Female thread stems of brass MS 58

Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	130	DI 12-13 MS
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	200	DI 34-19 MS
Hose 25x7.5	G 1 f	87.5	41	16	52	20	25	KSM 10 D	10	320	DI 10-25 MS
Hose 38x8	G 1 1/2 f	111.5	55	18	72	33	40	KSM 15 D	5	570	DI 15-38 MS
Hose 50x9	G 2 f	119.5	70	19	75	44	50	KSM 20 D	1	890	DI 20-50 MS

Other dimensions on request



Female thread stems of stainless steel 1.4305

Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System		Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	155	DI 12-13 SS
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	185	DI 34-19 SS
Hose 25x7.5	G 1 f	87.5	41	16	52	20	20	KSM 10 D	10	265	DI 10-25 SS

Steam Screwings

Safety Clamps and Sealing Rings, Brass MS 58 (DIN EN 14 423)

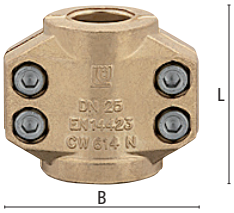
- High-quality, robust safety clamps made of brass (DIN EN 14 423/ formerly DIN 2826)
- Simple, safe and detachable hose connection for steam screwings
- Packed loose incl. screws and nuts

Materials:
- Clamp: Brass MS 58 plain
- Screws: Dacro 500 A coated



Max. Working Pressure	Temperature	Norm	
PN 18 bar	sat. steam +210°C/ hot water +120°C	DIN EN 14 423	1

Safety clamps of brass MS 58 (screws DIN 912-12.9 - Dacro 500 A coated)



Hose connection	Hose-o.D./ Clamping range	L	B	DN	Screw Size	Weight	Type No.
Hose 13x6	24-27	65	53	15	M 6x20	336	**KSM 12 D**
Hose 19x7	**32-35**	65	68	20	M 8x25	499	**KSM 34 D**
Hose 25x7.5	39-42	65	77	25	M 8x25	742	**KSM 10 D**
Hose 38x8	53-56	90	101	40	M 10x40	1430	**KSM 15 D**
Hose 50x9	64-68	100	111	50	M 10x40	1756	**KSM 20 D**

Suitable for male and female thread stems DIN 14 423 (page 336)

Original sealing rings Frenzelit Novatec Spezial for female threads

Version	L	D	D1		Weight	Type No.
G 1/2 f	2	20	13	10	2	**DGI 12**
G 3/4 f	2	26	18	10	2	**DGI 34**
G 1 f	2	33	23	10	3	**DGI 10**
G 1 1/2 f	2	48	38	10	5	**DGI 15**
G 2 f	2	60	49	10	7	**DGI 20**

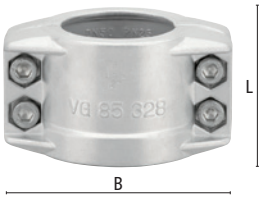
Safety Clamps

made of Forged Aluminium (DIN EN 14 420-3)

- High quality, robust clamps of forged aluminium (DIN EN 14 420-3)
- Easy, safe and removable hose assembly of safety clamps fittings
- Packed loose incl. screws and nuts

Materials

- Safety clamps: Forged aluminium
- Screws: Dacro 500 A coated



Max. Working Pressure	Temperature	Norm	
PN 25 bar	-40°C – +95°C	DIN EN 14 420-3	1

Safety Clamps

Hose connection	Hose-o.D./Range	L	B	DN	Screws	Weight	Type No.
Hose 19x6	30-33	50	63	20	M 6x20	142	**KSA 30-33**
Hose 25x6	36-39	50	69	25	M 6x20	151	**KSA 36-39**
Hose 32x6	43-46	50	76	32	M 6x20	162	**KSA 43-46**
Hose 38x6.5	50-53	50	83	40	M 6x20	167	**KSA 50-53**
Hose 50x8	63-67	56	102	50	M 8x25	310	**KSA 63-67**
Hose 63x8	78-82	74	120	65	M 8x25	454	**KSA 78-82**
Hose 75x8	89-93	76	132	80	M 8x25	486	**KSA 89-93**
Hose 75x10	94-97	76	140	80	M 8x25	580	**KSA 94-97**
Other sizes on request							

Hose assembly of safety clamps and hose fittings

1. Hose stem brushed with lubricant is pressed into straight-cut hose
2. Clamp halves are put in safety collar around the hose and fixed with care in a vice
3. 4 Screws are fixed regularly (rightly dimensioned hoses keep a small slit between clamp halves)

Thread Stems

made of Brass MS 58 (DIN EN 14 420-5)

- High quality, robust male thread hose stems made of brass MS 58 (DIN EN 14 420-5/ formerly DIN 2817)
- Lightly grooved hose stem with safety collar for forged clamps
- For direct connection or as adaptor for Kamlok quick couplings, tank truck couplings, etc.
- To be used for petrochemical industry, water in industry, tank trucks or agriculture, etc.

Materials:

- Thread stems: Brass MS 58 plain



Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 25 bar	-40°C – +95°C	ISO 228	DIN EN 14 420-5	different	1

Male thread stems for safety clamps

Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	Weight	Type No.
Hose 13x5	G 1/2 m	62	22	12	35	9	15	-	70	**GTA 12-13 MS**
Hose 19x6	G 3/4 m	63.5	27	13	34.5	14	20	KSA 30-33	105	**GTA 34-19 MS**
Hose 25x6	G 1 m	65	36	14	35	20.5	25	KSA 36-39	168	**GTA 10-25 MS**
Hose 32x6	G 1 1/4 m	66	46	15	35	27.5	32	KSA 43-46	215	**GTA 54-32 MS**
Hose 38x6.5	G 1 1/2 m	73.5	55	18	37	33	40	KSA 50-53	382	**GTA 15-38 MS**
Hose 50x8	G 2 m	80	65	20	40	45	50	KSA 63-67	537	**GTA 20-50 MS**

Thread Stems

Stainless Steel 1.4401 electro polished (DIN EN 14 420-5)

- High quality, robust female and male-thread hose stems of stainless steel electro polished (DIN EN 14 420-5/ formerly DIN 2817)
- Surface electro polished, stems finished
- Plain hose stem with safety collar for forged clamps
- Female threads flat sealing with thread-sealing ring of PTFE
- For direct connection or as adaptor for Kamlok quick couplings, tank truck couplings etc.
- For the connection with safety clamps Typ KSA (page 254)
- For aggressive fluids (according to concentration) in chemical and petrochemical industry, steel plants or food plants, medicine technique, off-shore or agriculture

Materials:

- Thread stem: Stainless steel 1.4401 electro polished

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 25 bar	-40°C – +95°C	ISO 228	DIN EN 14 420-5	different	1

Male thread stems for safety clamps

Hose connect.	Thread connect.	L	SW	Passage	DN	System	Weight	Type No.
Hose 19x6	G 3/4 m	62	27	15	20	KSA 30-33	99	GTA 34-19 SS
Hose 25x6	G 1 m	63	36	20.5	25	KSA 36-39	148	GTA 10-25 SS
Hose 32x6	G 1 1/4 m	63.5	46	27.5	32	KSA 43-46	210	GTA 54-32 SS
Hose 38x6.5	G 1 1/2 m	66.5	55	33	40	KSA 50-53	290	GTA 15-38 SS
Hose 50x8	G 2 m	75.5	*	45	50	KSA 63-67	395	GTA 20-50 SS
Hose 63x8	G 2 1/2 m	94.5	*	58	65	KSA 78-82	655	GTA 25-63 SS
Hose 75x8	G 3 m	97.5	*	70	80	KSA 89-93	775	GTA 30-75 SS

* For hookring according to DIN 1810



Female thread stems for safety clamps (two parts screwing)

Hose connect.	Thread connect.	L	SW	Passage	DN	System	Weight	Type No.
Hose 19x6	G 3/4 f	60	30	15	20	KSA 30-33	92	GTI 34-19 SS
Hose 25x6	G 1 f	62	36	21	25	KSA 36-39	126	GTI 10-25 SS
Hose 32x6	G 1 1/4 f	64	46	28	32	KSA 43-46	190	GTI 54-32 SS
Hose 38x6.5	G 1 1/2 f	67	55	33	40	KSA 50-53	322	GTI 15-38 SS
Hose 50x8	G 2 f	77	65	45	50	KSA 63-67	440	GTI 20-50 SS
Hose 63x8	G 2 1/2 f	91	85	58	65	KSA 78-82	837	GTI 25-63 SS
Hose 75x8	G 3 f	100	100	70	80	KSA 89-93	1211	GTI 30-75 SS



Current information about standards:

- DIN 2817 is replaced by DIN EN 14 420-5
- The form markings on thread stems are adapted
- All types are checked using defined test criteria
- Producer should be certified according to DIN EN ISO 9001 : 2000
- New maximum operating pressure of 25 bar or application limit of used hose lines

Material Conveying Couplings

At **LÜDECKE** you can find exactly adapted coupling systems for vacuum or pressure conveyance of different fluids or solids (granulates etc.). They are available as interior and exterior binding in spiral hoses of different fabrications as well as pipe connection (i.e. for distribution devices).

Material: Aluminium, stainless steel, steel



Sizes: 1" to 4"

Mostly with male thread for screwing on of coupling systems Storz, Guillemin or tank truck couplings or with direct coupling adaptor system Kamlok

- Our adaptor systems are used successfully mainly in the plastics industry and in agriculture.

SoftFlow Material Conveying Quick Connect Couplings

made of Stainless Steel 1.4305

DN 41

- High quality quick coupling system for pressure or vacuum-conveying of bulk material or liquids, i.e. for vacuum-conveying of granulate materials in the plastics industry
- Less abrasion due to coupling body made of stainless steel
- Coupling sleeve, plug and cap made of aluminium (hard coated)
- Full, straight-through passage without profile narrowing
- Light weight, easy to handle
- Quick coupling principle with ball shut-off for easy operation
- Easy manual replacement of sealing rings
- Perfectly adapted hose stems for PVC- or polyurethane spiral-suction hoses
- Plug and coupling for tube connection with double O-ring sealing and fixing with screw

Max. Working Pressure	Temperature	DN	Operation	Type of valve	Vacuum	Media	
PN 10 bar	-15° – +95° C	41	Two-hands	Straight-through	Vacuum	Plastic granulate	1



SoftFlow Coupling with hose stem

Hose connection	L	D	L1	DS	Passage	Weight	Type No.
Hose i.D. 38	82	65	45	49	34	340	GRK 38 T
Hose i.D. 40	82	65	45	49	36	340	GRK 40 T
Hose i.D. 45	82	65	45	49	41	340	GRK 45 T
Hose i.D. 50	82	65	45	49	41	360	GRK 50 T

For hose clips type HS/ HSE (page 315, 316)



SoftFlow Vacuum-Coupling for tube connection*

Connection	L	D	L1	DS	Passage	Weight	Type No.
Tube AD 38	70	65	30	49	34	480	GRK 38 R
Tube AD 40	70	65	30	49	36	480	GRK 40 R
Tube AD 45	70	65	30	49	41	520	GRK 45 R
Tube AD 50	70	65	30	49	41	580	GRK 50 R



SoftFlow Coupling with female thread

Thread connection	SW	L	D	L1	DS	Passage	Weight	Type No.
G 1 1/2 f	55	68	65	19	49	41	560	GRK 15 I
G 2 f	60	68	65	19	49	41	650	GRK 20 I



SoftFlow Cap Coupling with chain

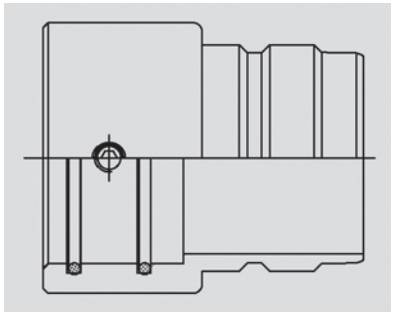
L	D	DS	Length chain	Weight	Type No.
48	68	49	170	320	GRK-V

Original Sealing Ring for couplings

Type	Size	Material		Weight	Type No.
O-ring	45 x 5	Buna N	10	6	GRK-D

Adapted hose stems for other hose dimensions/ types on request





Materials

- Sleeve: Aluminium (hard coated)
- Valve body, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4304
- O-ring: Buna N
- Screw: Stainless steel 1.4301
- Cap plug: Aluminium (hard coated)

DN 41

SoftFlow Plug with hose stem

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 38	83	55	45	36	49	34	310	GRS 38 T
Hose i.D. 40	83	55	45	36	49	36	315	GRS 40 T
Hose i.D. 45	83	55	45	36	49	41	330	GRS 45 T
Hose i.D. 50	83	55	45	36	49	41	360	GRS 50 T

For hose clips type HS/ HSE (page 315, 316)



SoftFlow Vacuum-Plug for tube connection*

Connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Tube AD 38	68.5	58	30	36	49	34	360	GRS 38 R
Tube AD 40	68.5	58	30	36	49	36	370	GRS 40 R
Tube AD 45	68.5	58	30	36	49	41	385	GRS 45 R
Tube AD 50	68.5	58	30	36	49	41	420	GRS 50 R

* Attention: Only suitable for vacuum applications, sealing with O-ring, fixing with screw



SoftFlow Plug with female thread

Thread connection	SW	L	D	L1	L2	DS	Passage	Weight	Type No.
G 1 1/2 f	55	65	59	19	36	49	41	350	GRS 15 I
G 2 f	60	65	59	19	36	49	41	380	GRS 20 I

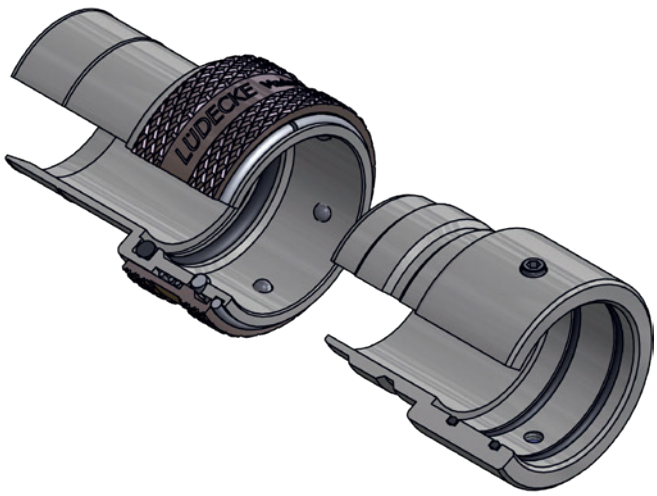


SoftFlow Cap Plug with chain

L	D	L1	DS	Length chain	Weight	Type No.
60	58	36	49	170	195	GRS-V

Special types/versions, i.e. with bulkhead-screwing, plug or colour codings, other sizes on request





High-Pressure Quick Couplings

made of Stainless Steel 1.4401 – System Kamlok PN 60 bar

- High-Pressure type, coupling dimensions according to US-Mil-Norm (MIL-C-27487) or DIN EN 14 420-7
- Essentially stronger housing (compared to Standard Kamlock)
- Investment casted handle with high-pressure pins crimped on both sides
- Handle securing with robust cord (stainless steel) and safety clip
- TÜV-inspected for 60 bar working pressure (burst pressure test 150 bar) for liquids *
- Special coupling system to be used on snow pump installations, tunneling or different high-pressure applications with liquids

Snow Master by LÜDECKE

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 60 bar*	-40°C – +95°C	ISO 228 / DIN 2999	MIL-C-27487/ DIN EN 14 420-7	liquid media	1

Optional Stem-Types

for steelband



for crimping ferrule





for wire



for safety clamp

Couplings with hose stem for flat hoses or thick-walled rubber hoses

Hose connect.	Type-Size	ID	DN	System	Weight	Type No.
Hose i.D. 25-28	100	37.3	25	-	380	SKK 100-T
Hose i.D. 38-40	150	54	40	-	635	SKK 150-T
Hose i.D. 50-54	200	63.8	50	-	990	SKK 200-T
Hose i.D. 38-40	200	63.8	40	with thread stem	1360	SKK 200/150-T
Hose i.D. 63-67	250	76.8	65	-	2800	SKK 250-T*

Plugs with hose stem for flat hoses or thick-walled rubber hoses

Hose connect.	Type-Size	ID	DN	System	Weight	Type No.
Hose i.D. 25-28	100	36.7	25	-	230	SKS 100-T
Hose i.D. 38-40	150	53.4	40	-	425	SKS 150-T
Hose i.D. 50-54	200	63	50	-	740	SKS 200-T
Hose i.D. 38-40	200	63	40	with thread stem	1080	SKS 200/150-T
Hose i.D. 63-67	250	75.8	65	-	2450	SKS 250-T*

Attention: For hose connection each 9 different stem profiles types and sizes are available as standard version! For each order the exact hose type and size and preferred assembly method has to be notified to be able to choose the right hose stem version! For new stem profiles: minimum quantity is 50 sets.

Hose assembly methods:

Crimping ferrules made of steel (zinc-plated) for hydraulic crimping



Type-Size	System	Weight	Type No.
100	Flat hose	180	PH-100-S F
100	Rubber hose	215	PH-100-S G
150	Flat hose	219	PH-150-S F
150	Rubber hose	333	PH-150-S G
200	Flat hose	240	PH-200-S F
200	Rubber hose	360	PH-200-S G
250	Flat hose	370	PH-250-S F
250	Rubber hose	450	PH-250-S G

Attention: Notify exact hose type and -size!

Safety Clamps made of forged aluminium (DIN EN 14 420-3)**



Hose connection	Hose o.D./Range	L	B	DN	Screws	Weight	Type No.
Hose 25x6	36-39	50	69	25	M 6x20	151	KSA 36-39
Hose 38x6.5	50-53	50	83	40	M 6x20	167	KSA 50-53
Hose 50x8	63-67	56	102	50	M 8x25	310	KSA 63-67
Hose 63x8	78-82	74	120	65	M 8x25	454	KSA 78-82

Attention: Notify exact hose type and size! Not possible for each hose type!

For flat hose assembly a coverhose is required!

Further assembly methods: Steel band, wire.

*Max. Working Pressure 40 bar

**Max. Working Pressure 25 bar

High Pressure Quick Couplings

Materials

- Coupling, plug: Stainless Steel 1.4401
- Locking sleeve: Steel blue passivated
- Ferrule: Steel zinc-plated and blue passivated
- O-ring: Buna N
- Thread sealing ring: PTFE
- Safety Clamp: Aluminium forged
- Screws: DACRO 500 A coated
- Handle, pin, cord, ring: Stainless Steel 1.4401
- Safety clip: Steel zinc-plated (DIN 11024)

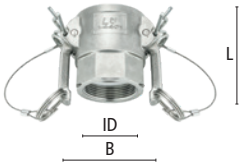




Snow Master by LÜDECKE

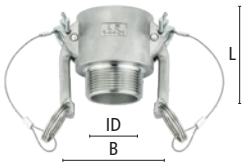
Couplings with female thread and thread sealing ring

Thread connection	L	B	Type-Size	ID	DN	Weight	Type No.
G 1 f	63	70	100	37.3	25	450	SKK 100 I
G 1 1/2 f	73	93	150	54	40	850	SKK 150 I
G 2 f	78	102	200	63.8	50	920	SKK 200 I
G 2 1/2 f	78	110	250	76.5	65	1300	SKK 250 I*



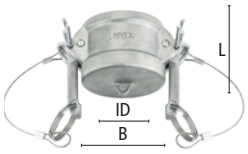
Couplings with male thread

Thread connection	L	B	Type-Size	ID	DN	Weight	Type No.
R 1 1/2 m	67	93	150	54	40	740	SKK 150 A
R 2 m	79	102	200	63.8	50	944	SKK 200 A



Dust Caps

L	B	Type-Size	ID	DN	Weight	Type No.
49	70	100	37.3	25	390	SKK 100-DC
59	93	150	54	40	480	SKK 150-DC
63	102	200	63.8	50	680	SKK 200-DC
67	110	250	76.5	65	920	SKK 250-DC*



Plugs with female thread and thread sealing ring (DIN EN 14 420-7 Form AF)**

Thread connection	L	Type-Size	ID	Passage	DN	Weight	Type No.
G 1 f	52	100	36.7	24	25	222	100-A-SS
G 1 1/2 f	62	150	53.4	38	40	493	150-A-SS
G 2 f	71	200	63	51	50	644	200-A-SS
G 2 1/2 f	75	250	75.8	58	65	945	250-A-SS



Plugs with male thread (DIN EN 14 420-7 Form FF)**

Thread connection	L	Type-Size	ID	Passage	DN	Weight	Type No.
R 1 m	72	100	36.7	24	25	258	100-F-SS
R 1 1/2 m	82	150	53.4	38	40	565	150-F-SS
R 2 m	90	200	63	51	50	650	200-F-SS
R 2 1/2 m	105	250	75.8	58	65	1317	250-F-SS



Dust Plugs (DIN EN 14 420-7 Form DP)**

L	Type-Size	ID	DN	Weight	Type No.
46	100	36.7	25	139	100-DP-SS
57	150	53.4	40	335	150-DP-SS
60	200	63	50	441	200-DP-SS
66	250	75.8	65	657	250-DP-SS



Handle with high-pressure pin, Cord, Ring, Safety clip

Type-Sizes	Weight	Type No.
150, 200, 250	89	SKH 1

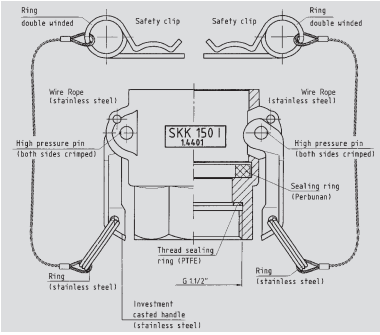


*Max. Working Pressure 40 bar

**Max. Working Pressure 16 bar

Drain Adaptor

with 3 Automatic-Run-Out-Valves 3/4“ and 2 fixing spears



- High-quality drain adaptor made of stainless steel 1.4401
- Drains the lines automatically when installation is switched off and pressure drops to avoid frost damages on plant and hose lines
- Simply assemble the adaptor at the lowest point between snow pump and hydrant and fix it with two spears (60 cm long) in suitable position

Materials:

- Body: Stainless Steel 1.4401
- Valve: Brass MS 58 nickel-plated
- Seals: Buna N

Snow Master by LÜDECKE

Max. Working Pressure	Temperature	Media	
PN 60 bar	-40°C – +95°C	liquid media	1



Drain-Adaptor with 3 Automatic-Run-Out-Valves 3/4“ and 2 fixing spears

Connection	Type-Size	L	ID	ID1	DN	Weight	Art.Nr.
MT / VT	150	197	53.4	54	40	2870	**SKK 150 EA**
MT / VT	200	216	63	63.8	50	4039	**SKK 200 EA**
Automatic-Run-Out-Valves also available separately (7 bore)						160	**EWV 34**
Automatic-Run-Out-Valves also available separately (1 bore)						170	**EWV 341**
Opening pressure of valves approx. 1 bar!							

High-Pressure Screwings

made of Zinc-plated Steel

- Thread Stems for long-term steady installations of pipe and hose lines, extremely robust execution
- Female thread stems with swivelling nut, flat sealing with thread sealing ring
- Appropriate safety clamps and crimping ferrules (page 258)

Materials:

- Hose stem: Steel zinc-plated and blue passivated
- Seals: PUR

Max. Working Pressure	Temperature	Thread	Media	
PN 60 bar	-40°C – +95°C	ISO 228 / DIN 2999	liquid media	1



Male thread screwings for flat hoses or thick-walled rubber hoses

Thread connection	Hose connection	SW	DN	Weight	Type No.
R 1 m	Hose i.D. 25-28	36	20	220	**SGA 100-T**
R 1 1/2 m	Hose i.D. 38-40	50	40	372	**SGA 150-T**
R 2 m	Hose i.D. 38-40	60	40	210	**SGA 200/150-T**
R 2 m	Hose i.D. 50-54	60	50	620	**SGA 200-T**



Female thread screwings for flat hoses or thick-walled rubber hoses (with screwing nut)

Thread connection	Hose connection	SW	DN	Weight	Type No.
G 1 f	Hose i.D. 25-28	41	20	250	**SGI 100-T**
G 1 1/2 f	Hose i.D. 38-40	55	40	390	**SGI 150-T**
G 2 f	Hose i.D. 50-54	70	50	640	**SGI 200-T**

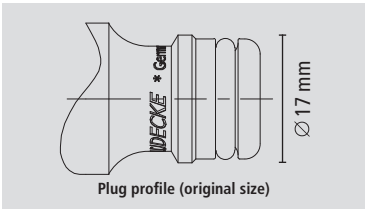
Attention: For hose connection each 9 different stem profiles types and sizes are available as standard version! For each order the exact hose type and size and preferred assembly method has to be notified to be able to choose the right hose stem version! For new stem profiles: minimum quantity is 50 sets

Other sizes on request!

WaterProfi Quick Connect Couplings

made of Stainless Steel, Series WSE

- High quality one-hand operation Quick Connect Couplings of stainless steel
- Easy to connect, high pressure spectrum, superior sealing characteristics and durable
- Robust, safe and reliable
- Flat sleeve contour for the prevention of dirt accumulation
- High water flow due to optimized passage
- Interchangeable with standard plug profile types, available with shut-off valves or straight through
- Quick Connect Coupling for applications with specific hygienic requirements or for hot water e.g. for cleansing in the food industry



Plug profile (original size)

Materials

- Body, sleeve, pin holder, valve, pins, plug: Stainless steel 1.4305
- Springs: Stainless steel 1.4310
- O-rings: EPDM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	+95°C	16	ISO 228	One-hand	single/straight through	Water	Coupl. 1/Plug 5

WaterProfi Coupling with hose connection

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	75	34	30	163	WSE 13 T	WSE 13 TAB
Hose i.D. 16	75	34	30	164	WSE 16 T	WSE 16 TAB
Hose i.D. 19	75	34	30	171	WSE 19 T	WSE 19 TAB
Hose i.D. 25	75	34	30	194	WSE 25 T	WSE 25 TAB



WaterProfi Coupling with female thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/4 f	56	30	34	9	170	WSE 34 I	WSE 34 IAB



WaterProfi-Screwing hose stem (for Combination with WaterProfi Couplings with female thread)

Thread connection	Hose connection	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 13	41	32	9	10	35	WSE 13 GT
G 3/4 m	Hose i.D. 16	41	32	9	13	39	WSE 16 GT
G 3/4 m	Hose i.D. 19	41	32	9	15	50	WSE 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	62	WSE 25 GT



WaterProfi Plugs with hose connection

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 13	58	24	32	24	61	WSE 13 S
Hose i.D. 16	58	24	32	24	65	WSE 16 S
Hose i.D. 19	58	24	32	24	67	WSE 19 S
Hose i.D. 25	58	27	32	24	83	WSE 25 S



WaterProfi Plugs with female thread (With female thread sealing ring)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 f	38	27	10	24	67	WSE 12 NI
G 3/4 f	38	30	10	24	64	WSE 34 NI



WaterProfi Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 m	40	24	10	24	53	WSE 12 NA
G 3/4 m	41	30	11	24	74	WSE 34 NA



WaterProfi Plug Adapter

Connection	L	D	L1	L2	Weight	Type No.
DN 9 - DN 9	52	24	24	24	66	WSEA









GEKA plus Claw Couplings

made of Chromium Steel for Applications with Elevated Hygienic Requirements

- High quality couplings of chromium steel similar to 1.4401
- Easy to couple, high pressure and vacuum-spectrum, reduced "breakdown torque"
- Maximum bore at optimum wall thickness as well as soft hose tail design
- Ergonomic formed claws, optimum security with safety notches against accidental opening
- Patented high performance rubber ring of FKM (DIN ISO 1625) with perfect elasticity
- Universal coupling for applications in chemical industry, for water, lye or aggressive media

elevated hygienic requirements

Materials

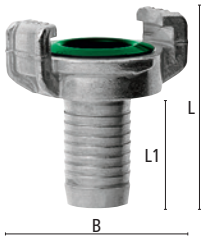
- Claw, connector: Chromium steel similar to 1.4401
- O-ring: FKM

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water/ lye	5

Hose Claw Couplings GEKA plus

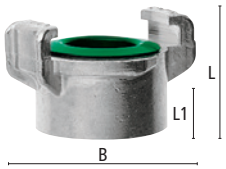
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	50	53.5	28	10	89	GSK 13 SS
Hose i.D. 19	52.5	53.5	32	17	92	GSK 19 SS
Hose i.D. 25	57.5	53.5	37	21.5	117	GSK 25 SS

For hose clips type SLE (page 313) , and type HSE (page 316)



Female Claw Couplings GEKA plus with thread sealing ring

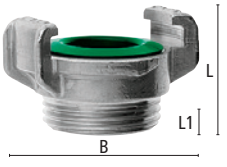
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 f	30.5	53.5	9.5	14	82	GKI 12 SS
G 3/4 f	31.5	53.5	10.5	19	88	GKI 34 SS
G 1 f	32.5	53.5	11	23	100	GKI 10 SS



Male Claw Couplings GEKA plus

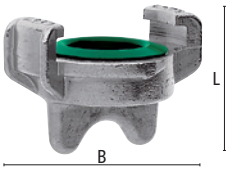
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	30.5	53.5	8	15	80	GKA 12 SS
G 3/4 m	33	53.5	8	20	91	GKA 34 SS
G 1 m	31	53.5	8	23	86	GKA 10 SS

Male thread sealing with sealing ring type HPD (page 167)



Plain End Claw Coupling GEKA plus

Version	L	B	Weight	Type No.
without chain	36.5	53.5	85	GKO SS



Original Rubber Ring for GEKA plus-Couplings of chromium steel

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	FKM	-20 – +160	Water	green	65°	10	5	GKVR-N



ALBA KRAPF Hose Reels, Wall Hose Reels and Wall Hose Holders

Long Range Water Supply, Secured and Flexible Stowed

ALBA KRAPF products offer high quality and lifelong guarantee. Through environmentally friendly materials they may be classified as completely recyclable and thus, they make a valuable contribution to a sustainable production. ALBA KRAPF hose reels, wall hose reels and wall hose holders made of stainless steel can be used in the food industry.



Quality Surface



High Stability



Perfect Balance



Easy Assembly



Lifetime-Quality



Ecology



High Waterflow



Quality Wheels



Wide Range of Wall Hose Reels



First-class water fittings

Hose Reel ALBA STAR INOX Series II

For the Food Industry: Ideal for Cheese Dairies, Creameries, Butcheries, Bakeries, Medical Laboratories, Swimming Pools etc.

- Totally made of electropolished stainless steel
- Hose friendly drum - no kinking
- High water flow capacity 3/4" (resistant)
- Wide, solid rubber wheels (abrasion-proof)
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness
- Additional slip resistant stoppers on trolley frame
- Without hose, pre-assembled in carton box

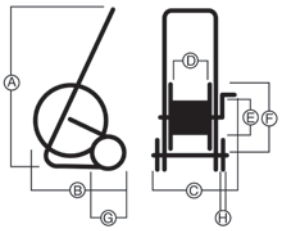
Materials:

- Hose reel: Stainless steel electropolished
- Wheels: Solid rubber
- Swivelling connector: Brass Cuphin



Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 120 m, 5/8" (16 mm) = 100 m, 3/4" (19 mm) = 80 m, 1" (25 mm) = 50 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	14 kg	ALBA STAR IN2



Ⓐ Total height:	1030 mm	Ⓔ Reel inside:	229 mm
Ⓑ Total length:	609.5 mm	Ⓕ Reel wheel:	555 mm
Ⓒ Total width:	608 mm	Ⓖ Wheel-∅ :	200 mm
Ⓓ Reel width:	296 mm	Ⓗ Wheel width:	46 mm

Wall Hose Reel ALBA STATUS INOX Series III

For the Food Industry: Ideal for Cheese Dairies, Creameries, Butcheries, Bakeries, Medical Laboratories, Swimming Pools etc.

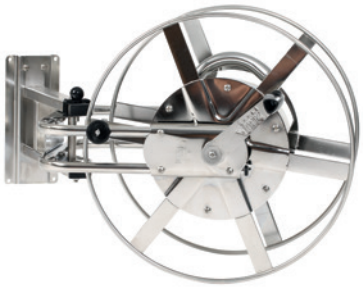
- Completely made of electropolished stainless steel
- Hose friendly drum - no kinking
- Central Waterflow
- Wall construction with enlarged and safe fixing set as well as robust double pipe-support
- Optimal overall size for a small wall distance
- 180° infinite swivel position, snap in locking in 6 given positions, prevents collision with the wall
- Rugged and massive hand crank with ergonomic handle for a safe and easy hose reeling
- Hose reel double bearing
- Without hose, pre-assembled in carton box

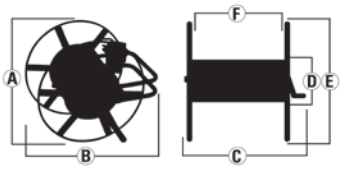
Materials:

- Wall Hose Reel: Stainless steel electropolished
- Swivelling connector: Brass Cuphin

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 70 m, 5/8" (16 mm) = 60 m, 3/4" (19 mm) = 40 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	11.2 kg	ALBA STATUS IN3





Ⓐ Total height:	458 mm	Ⓓ Reel width:	229 mm
Ⓑ Total length:	554.5 mm	Ⓔ Reel wheel:	458 mm
Ⓒ Total width:	556 mm	Ⓕ Wheel width:	243.5 mm

Wall Hose Holder ALBA MIDI INOX

For the Food Industry

- Totally made of electropolished stainless steel
- Statically solid
- Light construction
- Hose conserving, no hose buckling

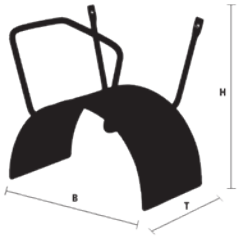
Materials

- Wall Hose Holder: Stainless Steel 1.4301

Temperature	Max. Hose Length	Media	
up to + 100°C	Mounting height 1.35 m: 1/2" (13 mm) = 140 m, 5/8" (16 mm) = 123 m, 3/4" (19 mm) = 70 m, 1" (25 mm) = 45 m hose	Water	1

Version	B	H	T	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	222	250	166	0.9 kg	ALBA MIDI INOX



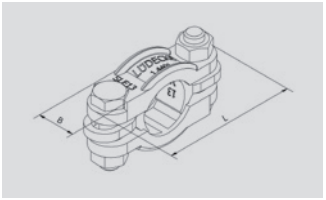


Hose Clamps
made of Stainless Steel

- Robust clamps of stainless steel 1.4401
- Easy and secure, for various fittings and applications

Material

- Clamps, Spacers: Stainless steel 1.4401
- Screws: Stainless steel A4-70



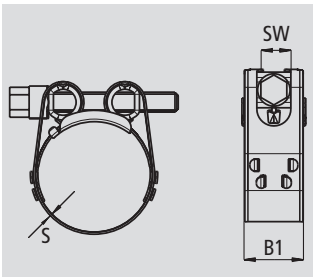


Max. Working Pressure	Norm
PN 16 bar	DIN 20039 A/B

Hose Clamps DIN 20039 A. two parts with loose spacers. Material Stainless Steel 1.4401

Version	Hose o.D./ Range	L	B	Size Screws		Weight	Type No.
Hose i.D. 13	18-26	63	18	M 8x30	5	140	SLE 13
Hose i.D. 19	26-33	71	18	M 8x30	5	160	SLE 19
Hose i.D. 25	32-40	81	18	M 10x35	5	210	SLE 25

Heavy Duty Clamps
made of Steel (DIN 3017)



- Heavy duty clamp made of stainless steel 1.4016
- New special screw with integrated distance tube and better performance
- Reinforced band strap and therefore higher torques (very high breaking torque and very high clamping force)
- Mechanical mounting, therefore no welding points and corrosion contact
- Bridge for sustainable hose relief
- Robust band with rounded edges prevents injuries and hose break
- Simple installation (with manual, pneumatic or electrical standard tools)
- Packed in boxes
- For applications with strict requirements for the hose clamps (for the application of suction and compressed air hoses with high degree of hardness or with plastic / steel core)

Materials

- Band: Stainless steel 1.4016
- Body, Screws: Steel zinc-plated (free of chrome VI)

Norm
DIN 3017

Heavy Duty Clamps



Range mm	Range inch	SW	torque Max. Nm.	Band width B1	Band thickness S		Weight	Type No.
17-19	11/16-3/4	8	8	18	0.6	100	52	GBSM 19
19-21	3/4-13/16	8	8	18	0.6	100	52	GBSM 21
21-23	13/16-15/16	8	8	18	0.6	100	52	GBSM 23
23-25	15/16-1	8	8	18	0.6	100	52	GBSM 25
25-27	1-1 1/16	8	8	18	0.6	50	52	GBSM 27
27-29	1 1/16-1 1/8	8	8	18	0.6	50	52	GBSM 29
29-31	1 1/8-1 1/4	8	8	18	0.6	50	85	GBSM 31
31-34	1 1/4-1 5/16	8	8	18	0.6	50	85	GBSM 34
34-37	1 5/16-1 7/16	8	8	18	0.6	50	85	GBSM 37
37-40	1 7/16-1 9/16	8	8	18	0.6	50	85	GBSM 40
40-43	1 9/16-1 11/16	8	8	18	0.6	50	85	GBSM 43
43-47	1 11/16-1 7/8	10	10	20	0.8	25	85	GBSM 47
47-51	1 7/8-2	10	10	20	0.8	25	85	GBSM 51
51-55	2-2 3/16	10	10	20	0.8	25	115	GBSM 55
55-59	2 3/16-2 5/16	10	10	20	0.8	25	115	GBSM 59
59-63	2 5/16-2 1/2	10	10	20	0.8	25	115	GBSM 63
63-68	2 1/2-2 11/16	10	10	20	0.8	10	115	GBSM 68
68-73	2 11/16-2 7/8	13	20	25	1.0	10	153	GBSM 73
73-79	2 7/8-3 1/8	13	20	25	1.0	10	153	GBSM 79



High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High performance hose clips made of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new position, therefore improved torque
- Material and clip range stamped at inner band side
- Hexagon screw with slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable use on various hoses and fittings for various media



Materials

- Band, Body, Screw: Stainless steel W5
- Special Screw Driver: Chromed steel/ plastic

Norm
DIN 3017

High-Performance Hose Clips, band and lock stainless steel W 5

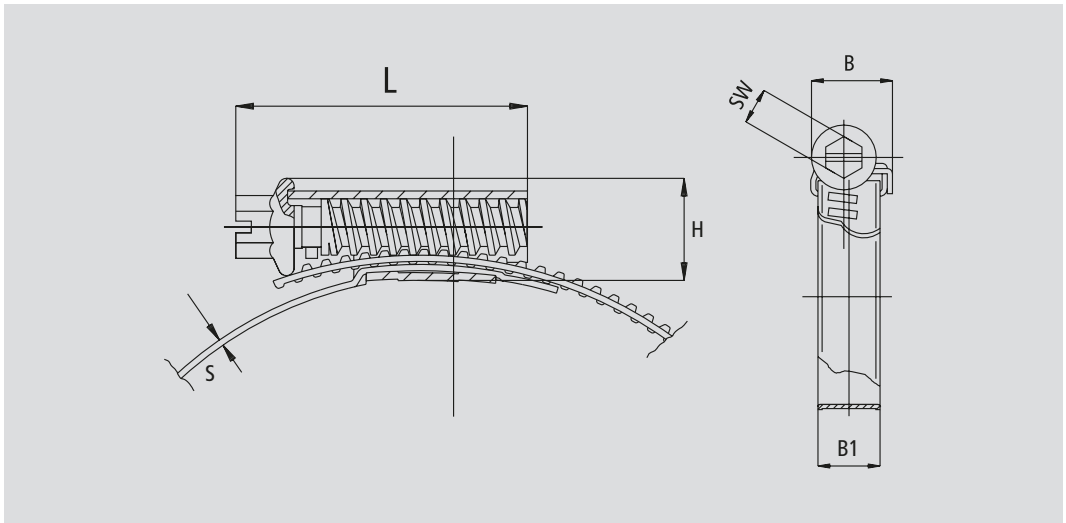
Range				torque			Band-width	band-thickness			
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100



Special hexagon screw driver of chromed steel with plastic handle

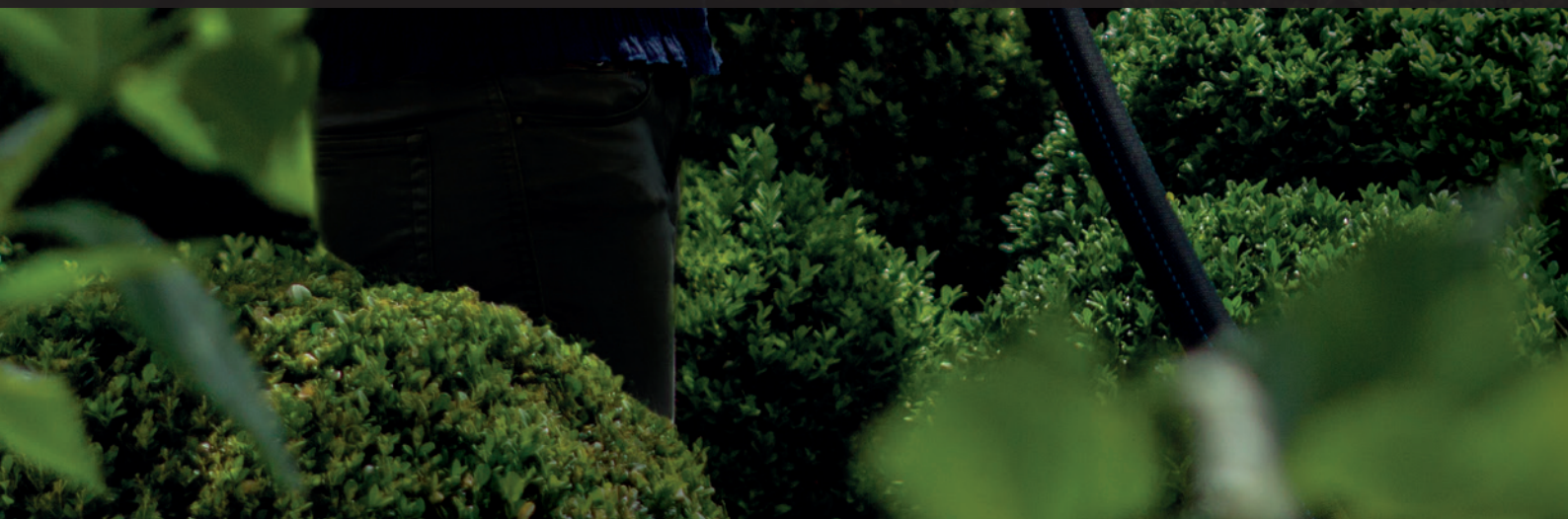
Version	SW		Weight	Type No.
Rigid	7	1	89	SR STARR
Flexible	7	1	134	SR FLEX.







Water Application





MADE IN GERMANY
EFFICIENCY by LÜDECKE
WATER APPLICATIONS

WaterProfi Quick Connect Couplings and Spray Nozzles



WaterProfi Wand Nozzle



WaterProfi Claw Couplings and Spray Nozzles



Claw Couplings for Drinking Water Applications



Claw Couplings for Elevated Hygienic Requirements



Accessories



ALBA KRAPF Sets, Hose Reels, Wall Hose Reels and Wall Hose Holders



WaterProfi by LÜDECKE

ALBA KRAPF

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WaterProfi Wand Nozzle

276 WaterProfi Wand Nozzle



WaterProfi Claw Couplings and Spray Nozzles

280 WaterProfi Claw Couplings and Spray Nozzles



Claw Couplings for Drinking Water Applications

283 GEKA plus Claw Couplings for Drinking Water Applications



Claw Couplings for Elevated Hygienic Requirements

285 GEKA plus Claw Couplings for Elevated Hygienic Requirements



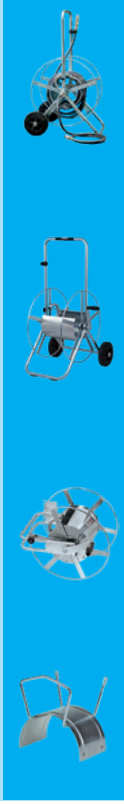
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ALBA KRAPF Sets, Hose Reels, Wall Hose Reels, and Wall Hose Holders

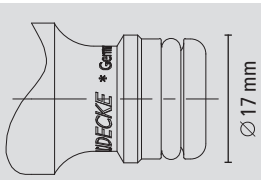
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WaterProfi Quick Connect Couplings

Series WS made of Brass Nickel-Plated

DN 9



Plug profile (original size)

- High quality one-hand operation quick connect couplings made of brass MS 58 nickel-plated
- Easy to connect, high pressure spectrum, superior sealing characteristics and durable, robust, safe and reliable
- Ergonomic sleeve design for perfect handling and compact size
- High water flow due to optimized passage
- Spray nozzle with water flow shut off and flow control from mist to full jet
- Interchangeable with standard plug profile types, available with shut-off valves or straight-through
- Universal one-hand operation Quick Connect Coupling for water lines in industry, trades, agriculture, land scaping, gardening or household

Materials

- Body, sleeve, pin holder, valve, plug: Brass MS 58 nickel-plated
- Pins: Stainless steel 1.4305
- Springs: Spring steel 1.4310
- O-rings: EPDM
- Claw: Brass MS 58 plain
- Spray Nozzle: Aluminium/ Brass MS 58 nickel-plated

Also in Stainless Steel Series WSE page 261

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	+95°C	9	ISO 228	One-hand	single/straight through	Water	5



WaterProfi Couplings with hose connection

Hose connection	L	D	L1	Weight	Type No.w/o valve	Type No.w valve
Hose i.D. 13	75	32	30	165	WS 13 T	WS 13 TAB
Hose i.D. 16	75	32	30	166	WS 16 T	WS 16 TAB
Hose i.D. 19	75	32	30	173	WS 19 T	WS 19 TAB
Hose i.D. 25	75	32	30	185	WS 25 T	WS 25 TAB



WaterProfi Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.o.Ventil	Type No.w valve
NEW! G 1/2 f	56	27	32	11	170	WS 12 I	WS 12 IAB
G 3/4 f	56	30	32	11	172	WS 34 I	WS 34 IAB



NEW! WaterProfi Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.o.Ventil	Type No.w valve
G 1/2 m	61	27	32	10	178	WS 12 A	WS 12 AAB
G 3/4 m	62	30	32	10	198	WS 34 A	WS 34 AAB



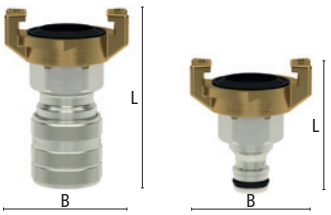
NEW! WaterProfi Couplings with squeeze nut

Hose connection	L	D	L1	Weight	Type No.w/o valve	Type No.w valve
Hose 13x3	59	32	21	175	WS 13 TQ	WS 13 TQAB
Hose 19x4	64	32	28	235	WS 19 TQ	WS 19 TQAB



WaterProfi Screwing hose stems (for combination with WaterProfi couplings with female thread)

Thread connection	Hose con.	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 13	41	32	9	10	37	WS 13 GT
G 3/4 m	Hose i.D. 16	41	32	9	13	38	WS 16 GT
G 3/4 m	Hose i.D. 19	41	32	9	15	49	WS 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	68	WS 25 GT



System Adapter WaterProfi Claw Coupling - Quick Connect Coupling DN 9

Connection	L	B	Weight	Type No.
WaterProfi Claw Coupling - Coupling WS DN 9	76.5	54.2	254	WSK-WPA
WaterProfi Claw Coupling - Plug WS DN 9	59.5	54.2	160	WSS-WPA

WaterProfi Quick Connect Couplings

made of Brass Nickel-Plated, Series WS

DN 9

WaterProfi Plugs with hose connection

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 13	58	24	32	24	53	WS 13 S
Hose i.D. 16	58	24	32	24	53	WS 16 S
Hose i.D. 19	58	24	32	24	62	WS 19 S
Hose i.D. 25	58	27	32	24	88	WS 25 S



WaterProfi Plugs with female thread (with female thread sealing ring)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 f	38	27	10	24	70	WS 12 NI
G 3/4 f	38	30	10	24	68	WS 34 NI
NEW! G 1 f	38	36	10	24	77	WS 10 NI



WaterProfi Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 m	40	24	10	24	55	WS 12 NA
G 3/4 m	41	30	10.5	24	76	WS 34 NA



NEW! WaterProfi Plugs with squeeze nut

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose 13x3	53	19	16	24	106	WS 12 SQ
Hose 19x4	58	19	21	24	154	WS 19 SQ



WaterProfi System Adapter

Connection	L	D	L1	L2	Weight	Type No.
DN 9 - DN 9	52	24	24	24	70	WSA



WaterProfi Spray Nozzle with plug-/hose connection/-male thread

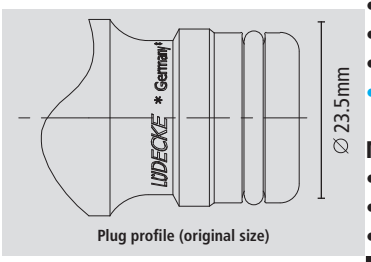
Connection	L	B	L1	Passage		Weight	Type No.
Plug WaterProfi	118	33	24	6.5	1	308	WSD-S
Hose i.D. 13	126	33	32	6.5	1	302	WSD 13 T
Hose i.D. 16	126	33	32	6.5	1	303	WSD 16 T
Hose i.D. 19	126	33	32	6.5	1	312	WSD 19 T
Hose i.D. 25	126	33	32	6.5	1	328	WSD 25 T
G 1/2 m	106	33	12	6.5	1	297	WSD 12 A



WaterProfi Quick Connect Couplings

Series WL made of Brass Nickel-Plated

DN 16



Plug profile (original size)

- High quality one-hand operation quick connect couplings made of brass MS 58 nickel-plated
- Easy to connect, high pressure spectrum, superior sealing characteristics, durable, robust, safe and reliable
- Ergonomic sleeve design for perfect handling and compact size
- High water flow due to optimized passage
- Interchangeable with standard plug profile types
- Available with shut-off valves or straight-through
- Quick connect coupling with extra large passage for water lines in industry, trades, agriculture, land scaping, gardening or household

Materials

- Body, sleeve, pin holder, valve, plug: Brass MS 58 nickel-plated
- Pins: Stainless steel 1.4305
- Springs: Spring steel 1.4310
- O-rings: EPDM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	+95°C	16	ISO 228	One-hand	single/straight through	Water	5

WaterProfi by LÜDECKE



WaterProfi Coupling with hose connection

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 19	86	39	32	275	WL 19 T	WL 19 TAB
Hose i.D. 25	86	39	32	291	WL 25 T	WL 25 TAB
Hose i.D. 32	86	39	32	298	WL 32 T	WL 32 TAB



WaterProfi Coupling with female thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/4 f	66.5	34	39	9	303	WL 34 I	WL 34 IAB
G 1 f	67	38	39	11	302	WL 10 I	WL 10 IAB
G 1 1/4 f	67	46	39	11	330	WL 54 I	WL 54 IAB



WaterProfi Screwing hose stems (for combination with WaterProfi-Couplings with female thread)

Thread connection	Hose connection	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 19	41	32	9	15	49	WS 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	68	WS 25 GT



WaterProfi Plugs with hose connection

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 19	64	32	32	29	97	WL 19 S
Hose i.D. 25	64	32	32	29	116	WL 25 S
Hose i.D. 32	64	34	32	29	149	WL 32 S



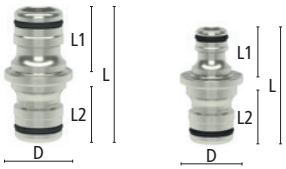
WaterProfi Plugs with female thread (With female thread sealing ring)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/4 f	43	32	10	29	122	WL 34 NI
G 1 f	44	38	12	29	148	WL 10 NI
G 1 1/4 f	46	46	12	29	214	WL 54 NI



WaterProfi Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/4 m	51	30	11	29	127	WL 34 NA
G 1 m	51	38	11	29	181	WL 10 NA
G 1 1/4 m	55	46	15	29	238	WL 54 NA



WaterProfi Plug Adapter

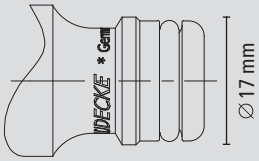
Connection	L	D	L1	L2	Weight	Type No.
DN 16 - DN 16	62	32	29	29	116	WLA
DN 9 - DN 16	57	32	24	29	91	WLWSA

WaterProfi Quick Connect Couplings

made of Stainless Steel, Series WSE

DN 9

- High quality one-hand operation Quick Connect Couplings of stainless steel
- Easy to connect, high pressure spectrum, superior sealing characteristics and durable
- Robust, safe and reliable
- Flat sleeve contour for the prevention of dirt accumulation
- High water flow due to optimized passage
- Interchangeable with standard plug profile types, available with shut-off valves or straight through
- Quick Connect Coupling for applications with specific hygienic requirements or for hot water e.g. for cleansing in the food industry



Plug profile (original size)

Materials

- Body, sleeve, pin holder, valve, pins, plug: Stainless steel 1.4305
- Springs: Stainless steel 1.4310
- O-rings: EPDM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	+95°C	16	ISO 228	One-hand	single/straight through	Water	Coupl. 1/Plug 5

WaterProfi Coupling with hose connection

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	75	34	30	163	WSE 13 T	WSE 13 TAB
Hose i.D. 16	75	34	30	164	WSE 16 T	WSE 16 TAB
Hose i.D. 19	75	34	30	171	WSE 19 T	WSE 19 TAB
Hose i.D. 25	75	34	30	194	WSE 25 T	WSE 25 TAB



WaterProfi Coupling with female thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/4 f	56	30	34	9	170	WSE 34 I	WSE 34 IAB



WaterProfi-Screwing hose stem (for Combination with WaterProfi Couplings with female thread)

Thread connection	Hose connection	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 13	41	32	9	10	35	WSE 13 GT
G 3/4 m	Hose i.D. 16	41	32	9	13	39	WSE 16 GT
G 3/4 m	Hose i.D. 19	41	32	9	15	50	WSE 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	62	WSE 25 GT



WaterProfi Plugs with hose connection

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 13	58	24	32	24	61	WSE 13 S
Hose i.D. 16	58	24	32	24	65	WSE 16 S
Hose i.D. 19	58	24	32	24	67	WSE 19 S
Hose i.D. 25	58	27	32	24	83	WSE 25 S



WaterProfi Plugs with female thread (With female thread sealing ring)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 f	38	27	10	24	67	WSE 12 NI
G 3/4 f	38	30	10	24	64	WSE 34 NI



WaterProfi Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 m	40	24	10	24	53	WSE 12 NA
G 3/4 m	41	30	11	24	74	WSE 34 NA



WaterProfi Plug Adapter

Connection	L	D	L1	L2	Weight	Type No.
DN 9 - DN 9	52	24	24	24	66	WSEA



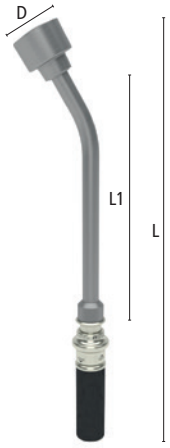
WaterProfi Wand Nozzle

- High quality, free adjustable wand nozzle with one-hand operation and spray head up to 60 l flow rate
- Easy and simple regulation by a patent protected slide valve technology
- Various spray heads, tube lengths and connectors
- Soft and comfortable Handle
- Sieve in handle protects against dirt
- For commercial and private applications for garden designers and landscapers plantations and nursery gardens

Materials

- Body: Brass MS 58 and aluminium galvanic nickel-plated
- Switching sleeve: Aluminium hartcoated
- Casting tube, spray head: Aluminium
- Plug: Brass MS 58 nickel-plated
- Claw: Brass CW617N
- O-ring: FKM
- Handle: Soft PVC

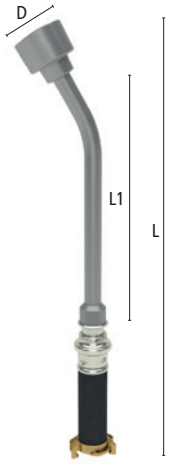
Max. Working Pressure	Temperature	Thread	Media	
PN 16 bar	+95°C	ISO 228	Water	1



Wand Nozzle with female thread 3/4"- ISO 228

Thread connection	L	D	L1	Ø Bores	Type No.
G 3/4 f	600	30	400	1.0	GG 403010 34I
G 3/4 f	800	30	600	1.0	GG 603010 34I
G 3/4 f	1100	30	900	1.0	GG 903010 34I
G 3/4 f	600	52	400	0.7	GG 405207 34I
G 3/4 f	800	52	600	0.7	GG 605207 34I
G 3/4 f	1100	52	900	0.7	GG 905207 34I
G 3/4 f	600	52	400	1.0	GG 405210 34I
G 3/4 f	800	52	600	1.0	GG 605210 34I
G 3/4 f	1100	52	900	1.0	GG 905210 34I

Slide valve can be regreased if necessary



Wand Nozzle with WaterProfi claw coupling

Connection	L	D	L1	Ø Bores	Type No.
Claw coupling	600	30	400	1.0	GG 403010 GKA
Claw coupling	800	30	600	1.0	GG 603010 GKA
Claw coupling	1100	30	900	1.0	GG 903010 GKA
Claw coupling	600	52	400	0.7	GG 405207 GKA
Claw coupling	800	52	600	0.7	GG 605207 GKA
Claw coupling	1100	52	900	0.7	GG 905207 GKA
Claw coupling	600	52	400	1.0	GG 405210 GKA
Claw coupling	800	52	600	1.0	GG 605210 GKA
Claw coupling	1100	52	900	1.0	GG 905210 GKA

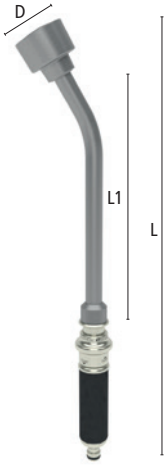
Slide valve can be regreased if necessary

WaterProfi Wand Nozzle

Wand Nozzle with WaterProfi Plug WS DN 9

Connection	L	D	L1	Ø Bores	Type No.
Plug WS DN 9	600	30	400	1.0	GG 403010 WS
Plug WS DN 9	800	30	600	1.0	GG 603010 WS
Plug WS DN 9	1100	30	900	1.0	GG 903010 WS
Plug WS DN 9	600	52	400	0.7	GG 405207 WS
Plug WS DN 9	800	52	600	0.7	GG 605207 WS
Plug WS DN 9	1100	52	900	0.7	GG 905207 WS
Plug WS DN 9	600	52	400	1.0	GG 405210 WS
Plug WS DN 9	800	52	600	1.0	GG 605210 WS
Plug WS DN 9	1100	52	900	1.0	GG 905210 WS

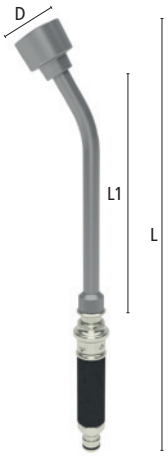
Slide valve can be regreased if necessary



Wand Nozzle with WaterProfi Plug WL DN 16

Connection	L	D	L1	Ø Bores	Type No.
Plug WL DN 16	600	30	400	1.0	GG 403010 WL
Plug WL DN 16	800	30	600	1.0	GG 603010 WL
Plug WL DN 16	1100	30	900	1.0	GG 903010 WL
Plug WL DN 16	600	52	400	0.7	GG 405207 WL
Plug WL DN 16	800	52	600	0.7	GG 605207 WL
Plug WL DN 16	1100	52	900	0.7	GG 905207 WL
Plug WL DN 16	600	52	400	1.0	GG 405210 WL
Plug WL DN 16	800	52	600	1.0	GG 605210 WL
Plug WL DN 16	1100	52	900	1.0	GG 905210 WL

Slide valve can be regreased if necessary



WaterProfi Wand Nozzle

- High quality, free adjustable Wand nozzle with one-hand operation and spray head up to 60 l flow rate
- Easy and simple regulation by a patent protected slide valve technology
- Various spray heads, tube lengths and connectors
- Soft and comfortable handle
- Sieve in handle protects against dirt
- For commercial and private applications for garden designers and landscapers plantations and nursery gardens

Materials

Body: Brass MS 58 and aluminium galvanic nickel-plated

- Switching sleeve: Aluminium hartcoated
- Casting tube, spray head: Aluminium
- Plug: Brass MS 58 nickel-plated
- Claw: Brass CW617N
- O-ring: FKM
- Handle: Soft PVC

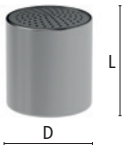
Max. Working Pressure	Temperature	Thread	Media
PN 16 bar	+95°C	ISO 288	Water



Handle with slide valve for Wand Nozzle

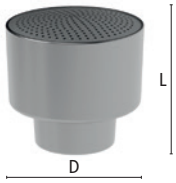
Thread connection	L	D	L1	L2		Weight	Type No.
G 3/4 f - G 3/4 m	182	44	12	22	1	348	GG HS

Slide Valve can be regreased with silicon grease if necessary



Spray Head - small version

Thread connection	L	D	Ø Spray head bore		Weight	Type No.
G 3/4 f	35	30	1.0	5	33	GGK 3010



Spray Head - large version

Thread connection	L	D	Ø Spray head bore		Weight	Type No.
G 3/4 f	51	52	0.7	5	55	GGK 5207
G 3/4 f	51	52	1.0	5	61	GGK 5210



Casting Tube

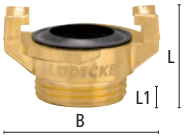
Thread connection	L		Weight	Type No.
G 3/4 m - G 3/4 f	400	1	75	GGR 400-34
G 3/4 m - G 3/4 f	600	1	120	GGR 600-34
G 3/4 m - G 3/4 f	900	1	166	GGR 900-34

WaterProfi Wand Nozzle

Fittings and spare parts for the Wand Nozzle

WaterProfi Male Claw Coupling

Thread connection	L	B	L1	Passage		Weight	Type No.
G 3/4 m	32	53.5	10.5	20	10	100	GKA 34



WaterProfi Plug with male thread (Series WS DN 9)

Thread connection	L	SW	L1	L2		Weight	Type No.
G 3/4 m	41	30	10.5	24	5	76	WS 34 NA



WaterProfi Plug with male thread (Series WL DN 16)

Thread connection	L	SW	L1	L2		Weight	Type No.
G 3/4 m	51	30	11	29	5	127	WL 34 NA



WaterProfi Screwing hose stems for direct hose connection

Thread connect.	Hose connect.	L	L1	L2	Passage		Weight	Type No.
G 3/4 m	Hose i.D. 13	41	32	9	10	5	37	WS 13 GT
G 3/4 m	Hose i.D. 16	41	32	9	13	5	38	WS 16 GT
G 3/4 m	Hose i.D. 19	41	32	9	15	5	49	WS 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	5	68	WS 25 GT



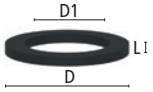
Sieve

Resistance	L	D	D1	Material	Temp°C	Media	Colour	Shore A		Weight	Type No.
Water	9	25	16	Buna N	+95	Water	black	70°	10	3	GG-SIEB 34



O-ring for female thread

Resistance	Con.	L	D	D1	Material	Temp°C	Media	Colour	Shore A		Weight	Type No.
Water	3/4 f	2	26	18	EPDM	+95	Water	black	65°	100	1	GDRG 34



WaterProfi Claw Couplings

made of Brass for Water Applications

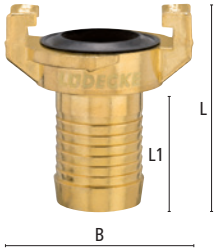
- High quality couplings of forged brass CW617N
- Easy to couple, high pressure and vacuum-spectrum, reduced "breakdown torque"
- Maximum bore at optimum wall thickness as well as soft hose tail design
- Ergonomic formed claws, optimum security with safety notches against accidental opening
- High performance rubber ring of EPDM with perfect elasticity and resistance
- Interchangeable with standard Water Claw Couplings with claw distance of 40 mm
- Sealing washer, usable with almost all standard water claw coupling seals
- Spray Nozzle with flow control with smooth transition from mist to full jet
- Universal coupling for water lines in industry, construction, garages, agriculture or civil installations

Materials

- Claw, connector: Brass CW617N
- O-ring: EPDM

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 25 bar	up to +95°C	ISO 228	40 mm	Water	10

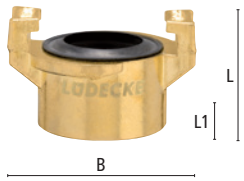
WaterProfi Hose Claw Couplings



Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	50	53.5	28	7.5	93	GSK 10
Hose i.D. 13	50	53.5	28	10.5	94	GSK 13
Hose i.D. 16	54	53.5	32	13.5	102	GSK 16
Hose i.D. 19	54	53.5	32	16.5	102	GSK 19
Hose i.D. 25	58	53.5	36	21.5	125	GSK 25
Hose i.D. 32	70	53.5	49	23	176	GSK 32
Hose i.D. 38	73	53.5	49	23	209	GSK 38

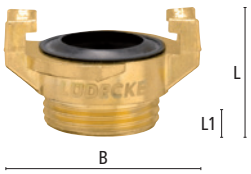
For hose clips type HS (page 315), type ZOS (page 314) or crimping ferrules type LPH (page 318)

WaterProfi Female Claw Couplings with thread O-Ring



Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/4 f	31.5	53.5	7.5	8	96	GKI 14
G 3/8 f	31.5	53.5	7.5	11	95	GKI 38
G 1/2 f	31.5	53.5	7.5	14	97	GKI 12
G 3/4 f	32.5	53.5	8	19	102	GKI 34
G 1 f	33	53.5	9	23	115	GKI 10
G 1 1/4 f	37	53.5	11	23	143	GKI 54
G 1 1/2 f	38	53.5	11.5	23	177	GKI 15

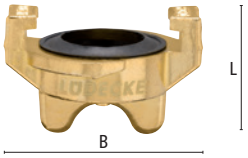
WaterProfi Male Claw Couplings



Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/4 m	32	53.5	10	8	89	GKA 14
G 3/8 m	32	53.5	9.5	11.5	97	GKA 38
G 1/2 m	32	53.5	10	15	96	GKA 12
G 3/4 m	32	53.5	10.5	20	100	GKA 34
G 1 m	32	53.5	10	23	104	GKA 10
G 1 1/4 m	36	53.5	15	23	132	GKA 54
G 1 1/2 m	36	53.5	15	23	163	GKA 15

Male thread sealing with PVC sealing ring type HPD (page 167)

WaterProfi Plain End Claw Coupling



Version	L	B	Weight	Type No.
Without Chain	37	53.5	103	GKO

Original Rubber Ring for Water Claw Couplings, LÜDECKE WaterProfi and all Standard Water Claw Couplings

(not for GEKA plus)



Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	12	35	23.5	EPDM	+95	Water	black	70°	100	6	GKOR

WaterProfi Claw Couplings and Spray Nozzle

made of Brass for Water Applications



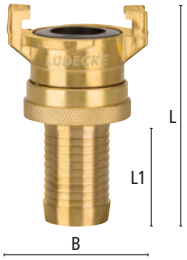


WaterProfi MODY-Safety-Screwing-Claw Couplings with hose barb

Hose connection	L	B	L1	Passage		Weight	Type No.
Hose i.D. 13	77	53.5	42	10	5	190	**GSSG 13**
Hose i.D. 19	82	53.5	42	16.5	5	215	**GSSG 19**
Hose i.D. 25	86	53.5	42	20	5	270	**GSSG 25**

For hose clips type HS (page 315), type ZOS (page 314) or crimping ferrules type LPH (page 318)

Thread types on request (GSSGA 34 available from stock)



Original Rubber Ring with support ring of brass for MODY-Safety-Screwing- Claw Couplings of brass

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	7	33.5	21.5	NBR/MS	+95	Water	black	65°	10	6	**GSGOR-Set**



Classic WaterProfi Spray Nozzles of brass – conical sealing brass to brass (PN 10 bar)

Hose connection	L	Ø Nozzle bore		Weight	Type No.
Hose i.D. 13	100	5	5	115	**SDT 13**
Hose i.D. 19	112	6.5	5	245	**SDT 19**
Hose i.D. 25	125	7	5	370	**SDT 25**

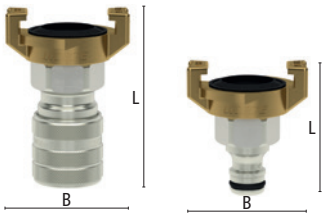


Connection	L	Ø Nozzle bore		Weight	Type No.
WaterProfi Coupling	98	5	5	220	**SDK 12**
WaterProfi Coupling	113	6.5	5	310	**SDK 34**
WaterProfi Coupling	121	7	5	410	**SDK 10**



System-Adapter WaterProfi Claw Coupling - Quick Connect Coupling DN 9

Connection	L	B	Weight	Type No.
WaterProfi Claw Coupling - Coupling WS DN 9	76.5	54.2	254	**WSK-WPA**
WaterProfi Claw Coupling - Plug WS DN 9	59.5	54.2	160	**WSS-WPA**




WP 530

GEKA plus Claw Couplings

made of Brass for Drinking Water Applications

- High quality couplings of forged brass CW617N, DIN 50930/6 and DIN 17660
- Easy to couple, high pressure and vacuum-spectrum, reduced "breakdown torque"
- Maximum bore at optimum wall thickness as well as soft hose tail design
- Ergonomic formed claws, optimum security with safety notches against accidental opening
- Patented high performance rubber ring of Buna N with perfect elasticity
- DVGW-Test-Certified, Reg. Nr. DW-0310BT0218
- Meet the requirements of DIN 50930/6, DIN 17660, DVGW-W270, KTW approved according to D2
- Universal coupling for drinking water lines

DVGW tested and approved

DVGW W270/ KTW

Materials

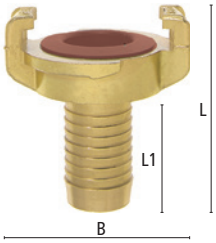
- Claw, connector: Brass CW617N
- O-rings: Buna N

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water	10

KTW-Hose Claw Couplings GEKA plus

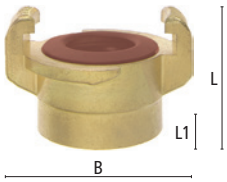
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	49.5	53.5	28	10	71	GSK 13-KTW
Hose i.D. 19	53.5	53.5	32	17	100	GSK 19-KTW
Hose i.D. 25	57.5	53.5	37	21.5	119	GSK 25-KTW

For hose clips type HS (page 315), type ZOS (page 314) or crimping ferrules type LPH (page 318)



KTW-Female Thread Claw Couplings GEKA plus with thread sealing ring

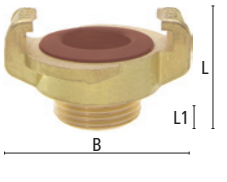
Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	31	53.5	9.5	11	94	GKI 38-KTW
G 1/2 f	31	53.5	9.5	14	94	GKI 12-KTW
G 3/4 f	32	53.5	10.5	19	90	GKI 34-KTW
G 1 f	33	53.5	11	23	100	GKI 10-KTW



KTW-Male Thread Claw Couplings GEKA plus

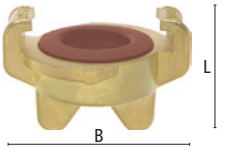
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	31	53.5	8	15	85	GKA 12-KTW
G 3/4 m	32	53.5	8	20	91	GKA 34-KTW
G 1 m	31	53.5	8	23	90	GKA 10-KTW

Male Thread Sealing with PVC-Selaing Rings Typ HPD (page 167)



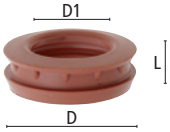
KTW-Plain End Claw Couplings GEKA plus

Version	L	B	Weight	Type No.
Without chain	35	53.5	90	GKO-KTW



Original Rubber Ring for GEKA plus Couplings KTW approved for drinking water according to directive DIN 50930/6

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	Buna N	-30 – +90	Water	brown	65°	10	5	GKOR-KTW



Original Rubber Ring for GEKA plus-Couplings (not for WaterProfi)

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	Buna N	-30 – +90	Water	black	65°	100	4	GKOR-N




DVGW VP 550

GEKA plus Claw Couplings

made of Chromium Steel for Applications with Elevated Hygienic Requirements

- High quality couplings of chromium steel similar to 1.4401
- Easy to couple, high pressure and vacuum-spectrum, reduced "breakdown torque"
- Maximum bore at optimum wall thickness as well as soft hose tail design
- Ergonomic formed claws, optimum security with safety notches against accidental opening
- Patented high performance rubber ring of FKM (DIN ISO 1625) with perfect elasticity
- Universal coupling for applications in chemical industry, for water, lye or aggressive media

elevated hygienic requirements

Materials

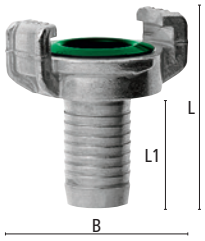
- Claw, connector: Chromium steel similar to 1.4401
- O-ring: FKM

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water/ lye	5

Hose Claw Couplings GEKA plus

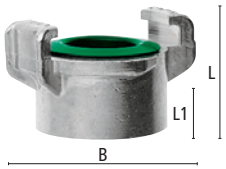
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	50	53.5	28	10	89	GSK 13 SS
Hose i.D. 19	52.5	53.5	32	17	92	GSK 19 SS
Hose i.D. 25	57.5	53.5	37	21.5	117	GSK 25 SS

For hose clips type SLE (page 413) , and type HSE (page 416)



Female Claw Couplings GEKA plus with thread sealing ring

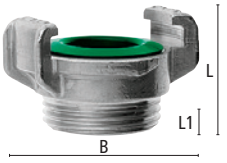
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 f	30.5	53.5	9.5	14	82	GKI 12 SS
G 3/4 f	31.5	53.5	10.5	19	88	GKI 34 SS
G 1 f	32.5	53.5	11	23	100	GKI 10 SS



Male Claw Couplings GEKA plus

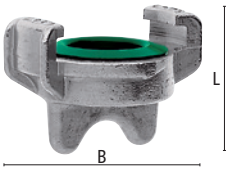
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	30.5	53.5	8	15	80	GKA 12 SS
G 3/4 m	33	53.5	8	20	91	GKA 34 SS
G 1 m	31	53.5	8	23	86	GKA 10 SS

Male thread sealing with sealing ring type HPD (page 167)



Plain End Claw Coupling GEKA plus

Version	L	B	Weight	Type No.
without chain	36.5	53.5	85	GKO SS



Original Rubber Ring for GEKA plus-Couplings of chromium steel

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	FKM	-20 – +160	Water	green	65°	10	5	GKVR-N



Swivel Transmissions
made of Brass for Water Applications

- High quality swivel transmission made of brass MS 58 nickel-plated or high resistant special brass (KTW compliant) – for drinking water applications
- High resistant swivel joint, offering optimized flow rates
- For pneumatic and fluid applications with rotating movement and heavy restrained connectors through vibrations, twisting and sideway movements

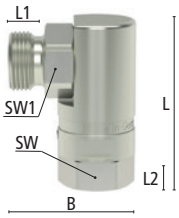
Materials
- Swivel transmission: Brass MS 58 nickel-platetd/special brass (KTW compliant)
- O-ring: EPDM

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	+95°C	ISO 228	Water	1



Swivel transmission straight made of brass nickel-plated

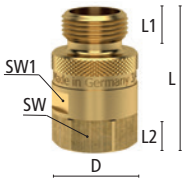
Thread connection	L	SW	D	L1	L2	SW1	Passage	Version	Weight	Type No.
G 3/4 a - G 3/4 f	54	30	34	15.5	8	30	17	straight	180	DV 34 IA
G 1 a - G 1 f	60	41	45	15.5	14	41	25.5	straight	350	DV 10 IA



Swivel transmission 90° brass nickel-plated

Thread connection	L	SW	B	L1	L2	SW1	Passage	Version	Weight	Type No.
G 3/4 m - G 3/4 f	74	30	55	15.5	8	30	17	90°	420	DV 3490 IA

elevated hygienic requirements



Swivel transmission straight of special brass (KTW compliant)

Thread connection	L	SW	D	L1	L2	SW1	Passage	Version	Weight	Type No.
G 3/4 m - G 3/4 f	54	30	34	15.5	8	30	17	straight	180	DV 34 IA-T
G 1 m - G 1 f	60	41	45	15.5	14	41	25.5	straight	350	DV 10 IA-T

Hose Screw Type Fittings
made of Brass for Water Applications

- High quality hose screw type fittings made of brass MS 58
- Quick to release connection from hose to tools
- Robust, safe, leak proof and durable

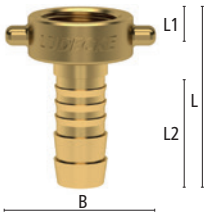
Materials

- Hose screw type fitting: Brass MS 58 plain/ nickel-plated
- O-ring: EPDM

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	+95°C	ISO 228	Water	10

Hose screw type fitting made of brass plain, female threads and union nut

Thread connection	Hose connection	L	B	L1	L2	Passage	Weight	Type No.
G 1/2 f	Hose i.D. 13	46	40	9	30	11	55	12/13 M
G 3/4 f	Hose i.D. 13	46.5	45	9.5	30	11	66	34/13 M
G 3/4 f	Hose i.D. 16	46.5	45	9.5	30	13	72	34/16 M
G 3/4 f	Hose i.D. 19	46.5	45	9.5	30	16	76	34/19 M
G 1 f	Hose i.D. 19	48	60	11	30	16	127	10/19 M
G 1 f	Hose i.D. 25	48	60	11	30	20.5	130	10/25 M



Hose screw type fitting made of brass nickel-plated, female threads and union nut

Thread connection	Hose connection	L	B	L1	L2	Passage	Weight	Type No.
G 1/2 f	Hose i.D. 13	46	40	9	30	11	55	12/13 MN
G 3/4 f	Hose i.D. 13	46.5	45	9.5	30	11	66	34/13 MN
G 3/4 f	Hose i.D. 16	46.5	45	9.5	30	13	72	34/16 MN
G 3/4 f	Hose i.D. 19	46.5	45	9.5	30	16	76	34/19 MN
G 1 f	Hose i.D. 19	48	60	11	30	16	127	10/19 MN
G 1 f	Hose i.D. 25	48	60	11	30	20.5	130	10/25 MN



Fittings and Ball Valve Taps

made of Brass

- Various dimensions for all kind of applications
- Robust, solid and sustainable
- Best flow capacity
- For water supply connection in industry, trades, agriculture and households

Materials

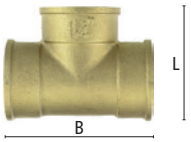
- 2-way distributor, T-Connector, Elbow-Connector: Brass MS 58 plain
- Tap-housing: Brass MS 58 nickel-plated
- Handle: Aluminium
- Balls: hard chromium plated

Max. Working Pressure	Thread	Media	
PN 10 bar	ISO 228	Water	5



2-way Distributor

Inlet	Outlet	Passage	Weight	Type No.
G 3/4 f	2 x G 3/4 m	15	85	DWS 34 Y



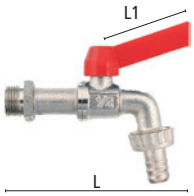
T-Connector with female thread

Thread connection	L	B	Weight	Type No.
3 x G 1/2 f	51	39.5	86	TSM 12
3 x G 3/4 f	59	45.5	160	TSM 34
3 x G 1 f	75	54	250	TSM 10



Elbow-Connector with female thread

Thread connection	L	Weight	Type No.
2 x G 1/2 f	25	83	WSM 12
2 x G 3/4 f	30	115	WSM 34
2 x G 1 f	33.5	204	WSM 10



Ball Valve Taps, brass nickel-plated with assembled hose screwing, handle aluminium red, ball hard chromium plated

Inlet	Outlet	Hose connection	L	L1	Weight	Type No.
G 1/2 m	G 3/4 m	Hose i.D. 13	105	55	210	WKH 12
G 3/4 m	G 1 m	Hose i.D. 19	120	55	285	WKH 34

PVC Water Hose "Alba Premium Class"

- 25 meter role without connections

Materials

- Hose: PVC

Max. Working Pressure	Temperature	Colour	Media	
PN 12 bar	-15°C - +60°C	anthracite grey	Water	1



PVC Water Hose

Hose i.D./o.D.	L (m)	Weight	Type No.
16/20.5	25	4200	SPVC 16-25

Return Valves and Check Foot Valves with Strainer

made of Brass

With the help of return valves water shut off in one direction is possible. Check foot valves are return valves assembled with a strainer. Thus, the draining of the suction line will be avoided after switching of the pump.

- Perfectly tight hold even with very low pressure through Nitril sealing
- Hostaform wedge with double central slide

Materials

- Body: Brass MS 58 plain
- Valve: Nylon
- Springs: Stainless steel
- O-ring: Nitril

Max. Working Pressure	Temperature	Opening pressure	Thread	Media	
PN 16 bar	up to +100°C	approx. 0.02 bar	ISO 228	Water	1

Return Valves with female thread

Thread connection	L	D	Weight	Type No.
G 1/4 f	45	28.5	105	RSV 14
G 3/8 f	45	28.5	93	RSV 38
G 1/2 f	47.5	30	100	RSV 12
G 3/4 f	53	37	159	RSV 34
G 1 f	59	44.5	239	RSV 10
G 1 1/4 f	66	56	348	RSV 54*
G 1 1/2 f	71	62.5	450	RSV 15*
G 2 f	80	78.5	730	RSV 20*



Check Foot Valves with strainer, outlet with female thread

Thread connection	L	D	Weight	Type No.
G 3/8 f	89	28.5	90	FVMF 38
G 1/2 f	90	29.5	110	FVMF 12
G 3/4 f	101	37	165	FVMF 34
G 1 f	115	44.5	245	FVMF 10
G 1 1/4 f	126	56	390	FVMF 54*
G 1 1/2 f	140	63	500	FVMF 15*
G 2 f	165	78	800	FVMF 20*

*max. working Pressure: 10 bar



Thread Stems with Male Thread and Hose Squeeze Nut Ferrule

made of Brass for Water Applications for Perfect Hose Assembly

- Easy hose assembly with thread ferrule, multiple use and detachable
- Hose assembly free of dead space for optimized safety- and hygiene standards
- No dirt accumulation between hose and hose barb
- Version according to DIN EN 14 424
- Please note correct hose wall dimensions

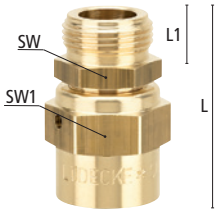
Materials

- Screw connection: Brass MS 58 plain

Max. Working Pressure	Temperature	Thread	Media	
PN 25 bar	up to +95°C	ISO 228	Water	10

Thread Stems with Male Thread and Hose Squeeze Nut Ferrule

Hose connect.	Thread connect.	L	SW	L1	SW1	Passage	Weight	Type No.
13x3 - 13x3.8	G 1/2 m	52	22	12	24	10	92	GSA 12-13
19x3.8 - 19x4.2	G 3/4 m	53.5	32	13	32	17	143	GSA 34-19
25x4.4 - 25x5	G 1 m	58.5	36	14	41	22	252	GSA 10-25

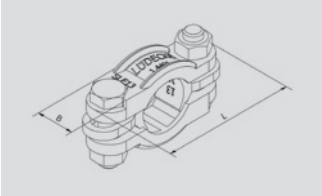


Hose Clamps
made of Stainless Steel

- **Robust clamps of stainless steel 1.4401**
- **Easy and secure, for various fittings and applications**

Material

- **Clamps, Spacers: Stainless steel 1.4401**
- **Screws: Stainless steel A4-70**





Max. Working Pressure	Norm
PN 16 bar	DIN 20039 A/B

Hose Clamps DIN 20039 A, made of stainess steel 1.4401, two parts with loose spacers

Version	Hose o.D./ Range	L	B	Size Screws		Weight	Type No.
Hose i.D. 13	18-26	63	18	M 8x30	5	140	**SLE 13**
Hose i.D. 19	26-33	71	18	M 8x30	5	160	**SLE 19**
Hose i.D. 25	32-40	81	18	M 10x35	5	210	**SLE 25**

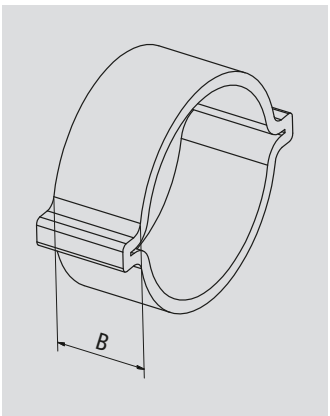
Double-Ear Hose Clips

- **Clips made of special reliable steel, zinc plated and blue chromated (free of chrome VI)**
- **Easy and fast assembly with pincer**
- **Concentric and strong clamp-effect, safe and unremovable**
- **No risk of injury, closed and unremovable connection**
- **Suitable for assembly of many hoses and fittings for use with various media**

Materials

- **Clips: Unbreakable special realiable steel, zinc-plated and blue chromated (free of chrome VI)**





	100

Double-Ear Hose Clips

Hose-o.D./ Range	B	Weight	Type No.
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	**ZOSZ**

High-Performance Hose Clips

made of Steel W1 (DIN 3017)

- High-performance hose clips made of steel W1, free of chrome VI, zinc-plated and thick layer passivated
- Optimum sealing through high band tension – maximum strip safety
- Hose-protective through rounded edges and smooth band inside
- Thinner screw body with new position, therefore improved torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, sizes 100-180 in plastic bags, from size 190 individually
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Steel W1, zinc-plated and thick layer passivated

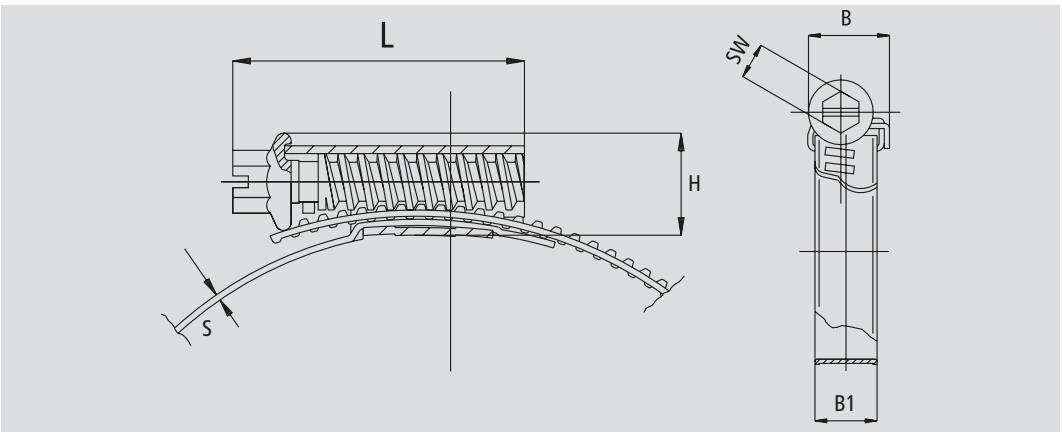
Norm
DIN 3017

High-Performance Hose Clips, band and lock steel W 1, zinc-plated

				torque	band width						
⌐ Range ¬								band-thickness			
mm	inch	B	SW	Max.Nm	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	14	7	2-2.5	20.5	11.5	9	0.7	100	12	HS 12
10-16	5/18-5/8	14	7	2-2.5	20.5	11.5	9	0.8	100	13	HS 16
12-22	1/2-3/4	14	7	3-3.5	24	11.5	9	0.8	100	16	HS 20
16-27	5/8-1	16	7	5-5.5	31	13	9	0.8	100	17	HS 25
20-32	3/4-1 1/4	16	7	5-5.5	31	13	12	0.8	50	27	HS 32
25-40	1-1 5/8	16	7	5-5.5	31	13	12	1.0	50	32	HS 40
30-45	1 3/8-1 3/4	16	7	5-5.5	31	13	12	1.0	50	33	HS 45
35-50	1 1/4-2	16	7	5-5.5	31	13	12	1.0	50	35	HS 50
40-60	1 5/8-2 3/8	16	7	5-5.5	31	13	12	1.0	25	39	HS 60
50-70	2-2 3/4	16	7	5-5.5	31	13	12	1.0	25	43	HS 70
60-80	2 3/8-3 1/8	16	7	5-5.5	31	13	12	1.0	25	45	HS 80
70-90	2 3/4-3 1/2	16	7	5-5.5	37	13	12	1.0	25	52	HS 90
80-100	3 1/8-4	16	7	5-5.5	37	13	12	1.0	10	53	HS 100
90-110	3 1/2-4 3/8	16	7	5-5.5	37	13	12	1.0	10	53	HS 110
100-120	4-4 3/4	16	7	5-5.5	37	13	12	1.0	10	58	HS 120
110-130	4 3/8-5 1/8	16	7	5-5.5	37	13	12	1.0	10	60	HS 130
120-140	4 3/4-5 1/2	16	7	5-5.5	37	13	12	1.0	10	63	HS 140
130-150	5 1/8-5 7/8	16	7	5-5.5	37	13	12	1.0	5	69	HS 150
140-160	5 1/2-6 1/4	16	7	5-5.5	37	13	12	1.0	5	71	HS 160
150-170	5 7/8-6 5/8	16	7	5-5.5	37	13	12	1.0	5	74	HS 170
160-180	6 1/4-7	16	7	5-5.5	37	13	12	1.0	5	77	HS 180
170-190	6 1/2-7 1/2	16	7	5-5.5	37	13	12	1.0	1	79	HS 190
180-200	7 1/8-8	16	7	5-5.5	37	13	12	1.0	1	81	HS 200
190-210	7 1/2-8 1/4	16	7	5-5.5	37	13	12	1.0	1	86	HS 210
200-220	8-8 3/4	16	7	5-5.5	37	13	12	1.0	1	92	HS 220
210-230	8 1/8-9	16	7	5-5.5	37	13	12	1.0	1	98	HS 230
220-240	8 3/4-9 3/8	16	7	5-5.5	37	13	12	1.0	1	101	HS 240
230-250	9-9 3/4	16	7	5-5.5	37	13	12	1.0	1	105	HS 250
240-260	9 3/8-10 1/4	16	7	5-5.5	37	13	12	1.0	1	108	HS 260
250-270	9 3/4-10 1/2	16	7	5-5.5	37	13	12	1.0	1	112	HS 270
260-280	10 1/4-11	16	7	5-5.5	37	13	12	1.0	1	116	HS 280







High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High performance hose clips made of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new position, therefore improved torque
- Material and clip range stamped at inner band side
- Hexagon screw with slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Stainless steel W5
- Special Screw Driver: Chromed steel/ plastic







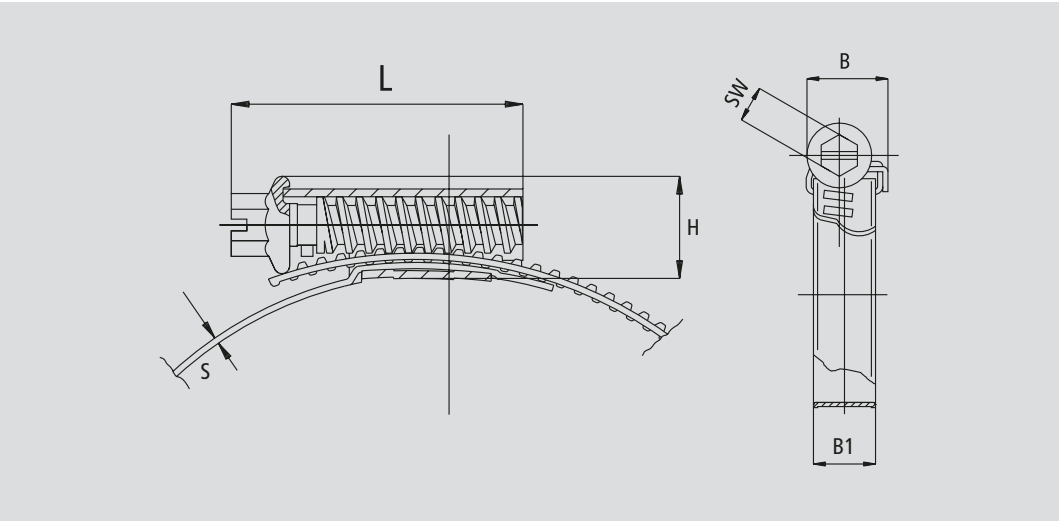
Norm
DIN 3017

High-Performance Hose Clips, band and lock stainless steel W 5

Range				torque			Band-width band-thickness				
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100

Special hexagon screw driver of chromed steel with plastic handle

Version	SW		Weight	Type No.
Rigid	7	1	89	SR STARR
Flexible	7	1	134	SR FLEX.



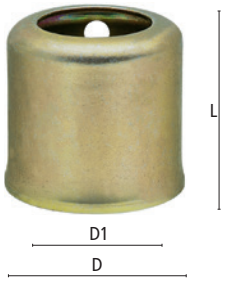
Ferrules for Low Pressure Hose Lines

- Ferrules of redhotted steel, zinc-plated and yellow passivated
- Easy, fast and absolutely safe hose crimping with **LÜDECKE** hand-operated assembly machine SPR 333 up to type LPH-23
- No risk of injury, closed and unremovable connection
- For crimping of various hoses and fittings for use with various media

Materials
- Body: redhottet steel, zinc-plated and yellow passivated

Max. Working Pressure									
PN 16 bar									
	for hose								
D	DIN 20018	Water	PVC	L	D1	Assembly-M.	Weight		Type No.
12.5				17	8.5	SPR 333	3	100	LPH-12,5
13.5			6x3	20	9.3	SPR 333	5	100	LPH-13,5
14.5	6x3.5			17	10	SPR 333	5	100	LPH-14,5
16			8x3	17	11.5	SPR 333	5	100	LPH-16
18	9x3.5		10x3	20	13.5	SPR 333	7	100	LPH-18
19			12x3	20	13.9	SPR 333	9	100	LPH-19
19.5				26	14.5	SPR 333	10	100	LPH-19,5
21				26	14.5	SPR 333	12	100	LPH-21
22				32	17	SPR 333	16	100	LPH-22
23		13x3		32	17	SPR 333	18	100	LPH-23
25	13x5			32	17		19	100	LPH-25
28	15x6			32	20.5		22	100	LPH-28
30.5		19x4		33	24.3		24	100	LPH-30
33	19x6			35	24.8		40	100	LPH-33
38		25x4.5		35	28		47	25	LPH-38
41	25x7			40	30		64	25	LPH-41

For higher Working Pressure we recommend hydraulic crimping with turned steel-ferrules type PH (page 191) or on request.



Hand-Operated Assembly Machine
for Low Pressure Ferrules

- Crimping machine for easy and safe assembly of low-pressure hoses from 3 to 20 mm Hose i.D.
- Clean: Exact assembling of fitting, hose and ferrule through centric crimping of the ferrule
- Inexpensive: Fast assembling at reasonable costs
- Safe: Improved safety through perfect fit
- Elegant: Reduced danger of injury
- With two crimping-jaw sets for crimping range from 3 to 20 mm and from 10 to 20 mm.
- Flexible: For mobile use



For hoses						
Hose i.D.	Hose o.D./ Range	suitable ferrule	e.g. for fitting		Weight	Type No.
3-20	10-22	LPH 12.5-23	Pneumatic-Connect., ES-Couplings	1	12.2	SPR-333

Hose Reel Trolley Sets

Our Recommendation: Exclusively Composed for you

We offer you complete hose reel trolley sets without any self-assembly. This means for you: Just oder it, unpack it and start watering. You don´t have to take care about any spare parts, but also receive everything in just one package.





Models:

ALBA ROYAL Series II
for frequent use in professional applications or bigger gardening sceneries

(page 297)

ALBA STAR Series II
for demanding and daily use in professional applications, such as, plant nurseries, parks, sports grounds, swimming pools, industrial unit, workshops

(page 298)

Contains of

1 Hose Reel

ALBA ROYAL Series II

or

1 Hose Reel

ALBA STAR Series II



1 pc
34/16 MN
(Hose screw type fitting made of brass nickel-plated, female thread and union nut) G 3/4 f; Hose i.D. 16



4 pc
LPH-23
(Ferrule, steel zinc-plated) i.D. 23



2 m hose
as a feed line from the tab
25 m
high-quality PVC Water Hose





1 pc
WSD-S
(WaterProfi-Spray Nozzle with plug)



3 pc
WS 16 T
(WaterProfi Quick Connect Coupling), Hose i.D. 16, straight through



2 pc
WS 34 NI
(WaterProfi Plug), G 3/4 f

Max.Working Pressure	Max. Hose Length	
25 bar	25 m	1

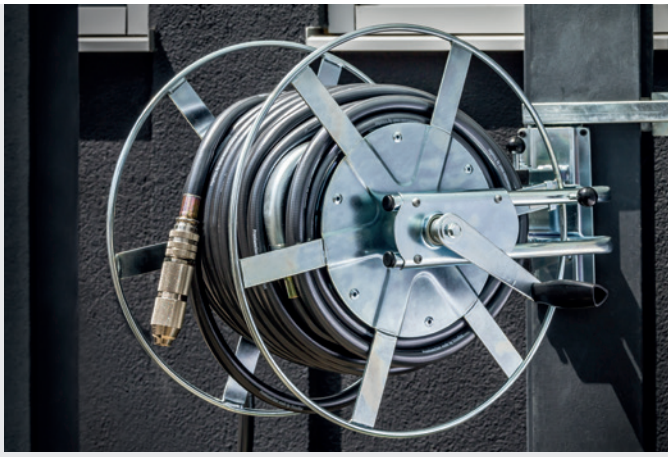
Thread connection	Version	Type No.
G 3/4 m	Hose i.D. 15	ALBA STAR2 SET
G 3/4 m	Hose i.D. 15	ALBA ROYAL2 SET

Hose Reel Set for Wall Mounting

Our Recommendation: Exclusively Composed for you

You can also simple order hose reels for wall mounting in a set. Herefore we also compiled only the best products and guarantee an uncomplicated handling. Just oder it, unpack it and start watering.





Models:

Alba STATUS Series III
for regular and demanding use in professional and non commercial applications

(page 300)

Contains of

1 Wall Hose Reel

ALBA STATUS Series III

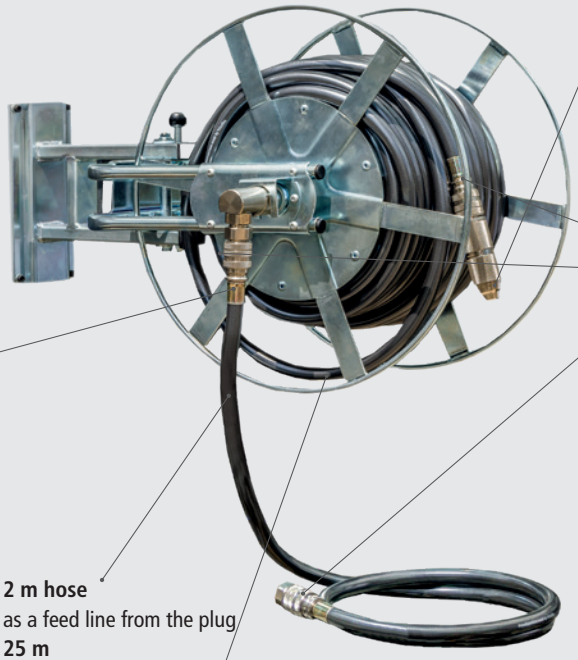


1 pc
34/16 MN
(Hose screw type fitting made of brass nickel-plated, female threads and union nut) G 3/4 f; Hose i.D. 16



4 pc
LPH-23
(Ferrule, steel zinc-plated) i.D. 23





2 m hose
as a feed line from the plug
25 m
high-quality PVC Water Hose



1 pc **WSD-S**
(WaterProfi Spray Nozzle with plug)



3 pc
WS 16 T
(WaterProfi Quick Connect Coupling), Hose i.D. 16, straight through



2 pc
WS 34 NI
(WaterProfi Plug), G 3/4 f

Max. Working Pressure	Max. Hose Length	
25 bar	25 m	1

Thread connection	Version	Type No.
G 3/4 m	Hose i.D. 15	**ALBASTATUS3 SET**

Hose Reel ALBA IRON MAN Series II

Light Model for Non-Commercial Use in Small and Medium Gardens



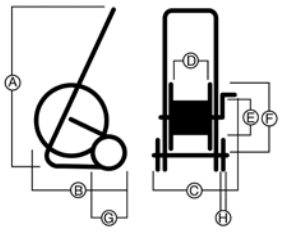
- Robust whole metal construction, side reel of sheet metal, UV resistant and environmentally friendly galvanized (zinc-plated, free of chrome VI)
- Assembly set: with manual, assembled in a few minutes
- Hose-friendly drum - no kinking
- Wide, solid tread wheels
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness
- Without hose, pre-assembled in carton box

Materials:

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Wheels: Plastic
- Swivelling connector: Brass MS 58 nickel-plated

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 100 m, 5/8" (16 mm) = 80 m, 3/4" (19 mm) = 50 m	Water	1

Thread connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	8.5 kg	ALBA IRON MAN2



Ⓐ Total height:	947 mm	Ⓔ Reel inside:	180 mm
Ⓑ Total length:	562 mm	Ⓕ Reel wheel:	458 mm
Ⓒ Total width:	530 mm	Ⓖ Wheel-∅ :	170 mm
Ⓓ Reel width:	256 mm	Ⓗ Wheel width:	50 mm

Hose Reel ALBA SILVER Series II

Light Model for Non-Commercial Use in Small and Medium Gardens



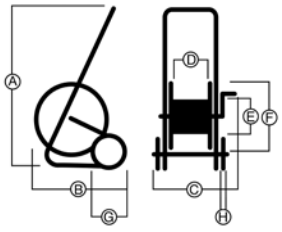
- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc-plated, free of chrome VI)
- Hose friendly drum - no kinking
- High water flow capacity 3/4", durable and resistant
- Wide, solid tread wheels
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness
- Without hose, pre-assembled in carton box

Materials:

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Wheels: Plastic
- Swivelling connector: Brass MS 58 nickel-plated

Max. Betriebsdruck	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 100 m, 5/8" (16 mm) = 80 m, 3/4" (19 mm) = 50 m	Water	1

Thread connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	8.5 kg	ALBA SILVER 2



Ⓐ Total height:	947 mm	Ⓔ Reel inside:	180 mm
Ⓑ Total length:	562 mm	Ⓕ Reel wheel:	458 mm
Ⓒ Total width:	530 mm	Ⓖ Wheel-∅ :	170 mm
Ⓓ Reel width:	256 mm	Ⓗ Wheel width:	50 mm

Hose Reel ALBA ROYAL Series II

For Regular and Demanding use in the Professional Sector and for Private use in Larger Gardens

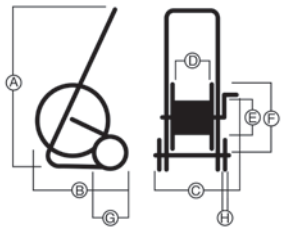
- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc-plated, free of chrome VI)
- Hose friendly drum – no kinking
- High water flow capacity 3/4", durable, resistant
- Wide, solid tread wheels
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness: wide wheel axle and long main pillars

Materials:

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Wheels: Plastic
- Swivelling connector: Brass MS 58 nickel-plated

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 100 m, 5/8" (16 mm) = 80 m, 3/4" (19 mm) = 50 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	12 kg	ALBA ROYAL2



A Total height:	977 mm	E Reel inside:	229 mm
B Total length:	564 mm	F Reel wheel:	508 mm
C Total width:	533 mm	G Wheel-∅:	160 mm
D Reel width:	245 mm	H Wheel width:	41 mm



Hose Reel ALBA FOREVER

For Regular and Demanding use in the Professional Sector and for Private use in Larger Gardens

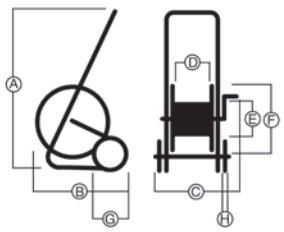
- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc-plated, free of chrome VI)
- Hose friendly drum – no kinking
- High water flow capacity 3/4" (resistant)
- Wide, solid rubber wheels with large diameters
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness, stable construction for perfect stand
- Additional slip resistant stoppers on trolley frame

Materials:

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Wheels: Solid rubber
- Swivelling connector: Brass MS 58 nickel-plated

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 70 m, 5/8" (16 mm) = 60 m, 3/4" (19 mm) = 40 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	12.3 kg	ALBA FOREVER



A Total height:	996 mm	E Reel inside:	229 mm
B Total length:	566 mm	F Reel wheel:	458 mm
C Total width:	528 mm	G Wheel-∅	200 mm
D Reel width:	243.5 mm	H Wheel width:	46 mm



Hose Reel ALBA STAR Series II

For a Regular Demanding Daily Use and Need of Long Length Hose in the Professional Sector, i.e. in Plant Nurseries, Parks, Sports Grounds, Swimming Pools, Industrial Units, Workshops

Also in Stainless Steel ALBA STAR INOX Series II



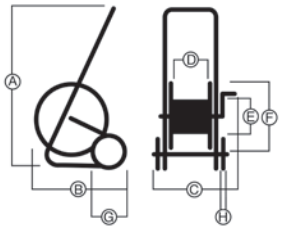
- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc plated free of chrome VI)
- Hose friendly drum - no kinking
- High water flow capacity 3/4" (resistant)
- Wide, solid rubber wheels
- Hose reel - double bearing
- Without hose, pre-assembled in carton box
- Additional slip resistant stoppers on trolley frame
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness

Materiales:

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Wheels: solid rubber
- Swivelling connector: Brass MS 58 nickel-plated, ball bearing mounted

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 120 m, 5/8" (16 mm) = 100 m, 3/4" (19 mm) = 80 m, 1" (25 mm) = 50 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	14 kg	ALBA STAR 2



Ⓐ Total height:	1021 mm	Ⓔ Reel inside:	226 mm
Ⓑ Total length:	605 mm	Ⓕ Reel wheel:	555 mm
Ⓒ Total width:	603 mm	Ⓖ Wheel-∅:	200 mm
Ⓓ Reel width:	296 mm	Ⓗ Wheel width:	46 mm

Hose Reel ALBA STAR INOX Series II

For the Food Industry: Ideal for Cheese Dairies, Creameries, Butcheries, Bakeries, Medical Laboratories, Swimming Pools etc.



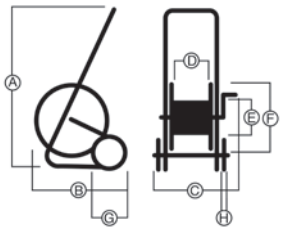
- Totally made of electropolished stainless steel
- Hose friendly drum - no kinking
- High water flow capacity 3/4" (resistant)
- Wide, solid rubber wheels (abrasion-proof)
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness
- Additional slip resistant stoppers on trolley frame
- Without hose, pre-assembled in carton box

Materials:

- Hose reel: Stainless steel electropolished
- Wheels: Solid rubber
- Swivelling connector: Brass Cuphin

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 120 m, 5/8" (16 mm) = 100 m, 3/4" (19 mm) = 80 m, 1" (25 mm) = 50 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	14 kg	ALBA STAR IN2



Ⓐ Total height:	1030 mm	Ⓔ Reel inside:	229 mm
Ⓑ Total length:	609.5 mm	Ⓕ Reel wheel:	555 mm
Ⓒ Total width:	608 mm	Ⓖ Wheel-∅:	200 mm
Ⓓ Reel width:	296 mm	Ⓗ Wheel width:	46 mm

NEW!

Hose Reel ALBA PROFI Series II

For Industry and Trades. Ideal for Road Construction, Military, Gravel Plants, Railways, Docks, Fisheries etc.

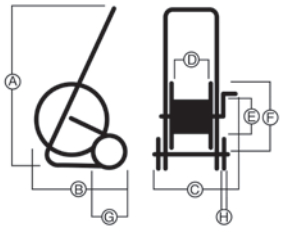
- Very robust whole metal construction, best rust protection due to hot galvanisation, virtually indestructible
- Steady tubular construction
- Hose friendly drum - no kinking
- High water flow capacity 3/4" (resistant)
- Big, solid, air-filled wheels with steel rims
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Winder blocking
- New pedestal construction for a maximum of stability (stay stable during floor sliding)
- Highest tilt firmness as well as comfortable level of transportation (long and practical handle, optimized room for the feet, easy to roll)

Materials

- Hose reel, rims: Steel hot galvanized (free of chrome VI)
- Wheels: Rubber wheels PAK conform
- Swivelling connector: Brass MS 58 nickel-plated

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	5/8" (16 mm) = 160 m, 3/4" (19 mm) = 130 m, 1" (25 mm) = 90 m	Water	1

Thread Connection	Version	Weight	Type No.
G 1 m	Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	28 kg	ALBA PROFI2



Ⓐ Total height:	1148 mm	Ⓔ Reel inside:	224 mm
Ⓑ Total length:	822 mm	Ⓕ Reel wheel:	680 mm
Ⓒ Total width:	665 mm	Ⓖ Wheel-∅:	260 mm
Ⓓ Reel width:	344 mm	Ⓗ Wheel width:	80 mm



Hose Reel ALBA SUPER PROFI Series II

For Industry and Trades. Ideal for Road Construction, Military, Gravel Plants, Railways, Docks, Fisheries etc.

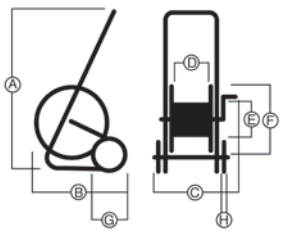
- Very robust whole metal construction, best rust protection due to hot galvanisation, virtually indestructible
- Steady tubular construction
- Hose friendly drum - no kinking
- High water flow capacity 1" (resistant)
- Big, solid, air-filled wheels with steel rims
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Winder blocking
- New pedestal construction for a maximum of stability (stay stable during floor sliding)
- Highest tilt firmness as well as comfortable level of transportation (long and practical handle, optimized room for the feet, easy to roll)

Materials

- Hose reel, rims: Steel hot galvanized (free of chrome VI)
- Wheels: Rubber wheels PAK conform
- Swivelling connector: Brass MS 58 nickel-plated, ball bearing mounted

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	5/8" (16 mm) = 300 m, 3/4" (19 mm) = 190 m, 1" (25 mm) = 110 m	Water	1

Thread Connection	Version	Weight	Type No.
G 1 m	Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	30 kg	ALBASUPERPROFI2



Ⓐ Total height:	1148 mm	Ⓔ Reel inside:	224 mm
Ⓑ Total length:	822 mm	Ⓕ Reel wheel:	680 mm
Ⓒ Total width:	767 mm	Ⓖ Wheel-∅:	260 mm
Ⓓ Reel width:	444 mm	Ⓗ Wheel width:	80 mm



Wall Hose Reel ALBA STATUS Series III

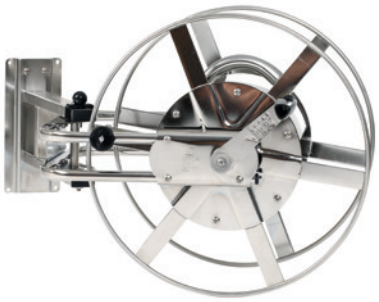
For Regular and Demanding Use in the Professional and the Privacy Applications

Also in Stainless Steel ALBA STATUS INOX Series III

- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc- plated, free of chrome VI)
- Hose friendly drum - no kinking
- Central Waterflow
- Wall construction with enlarged and safe fixing set as well as robust double pipe-support
- Optimal overall size for a small wall distance
- Winder locking by magnetic hanger
- 180° infinite swivel position, snap in locking in 6 given positions, prevents collision with the wall
- Rugged and massive hand crank with ergonomic handle for a safe and easy hose reeling
- Hose reel - double bearing
- Without hose, pre-assembled in carton box

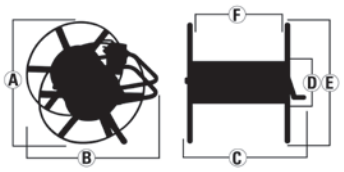
Materials:

- Hose reel: Steel galvanized (zinc-plated, free of chrome VI)
- Swivelling connector: Brass MS 58 nickel-plated, ball bearing mounted



Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 70 m, 5/8" (16 mm) = 60 m, 3/4" (19 mm) = 40 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	11.2 kg	ALBA STATUS 3



Ⓐ Total height:	458 mm	Ⓓ Reel width:	229 mm
Ⓑ Total length:	554.5 mm	Ⓔ Reel wheel:	458 mm
Ⓒ Total width:	556 mm	Ⓕ Wheel width:	243.5 mm

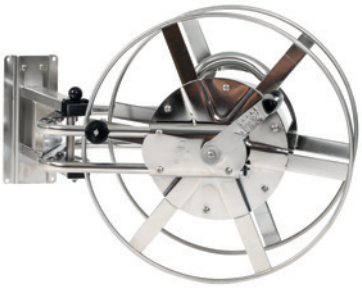
Wall Hose Reel ALBA STATUS INOX Series III

For the Food Industry: Ideal for Cheese Dairies, Creameries, Butcheries, Bakeries, Medical Laboratories, Swimming Pools etc.

- Completely made of electropolished stainless steel
- Hose friendly drum - no kinking
- Central Waterflow
- Wall construction with enlarged and safe fixing set as well as robust double pipe-support
- Optimal overall size for a small wall distance
- 180° infinite swivel position, snap in locking in 6 given positions, prevents collision with the wall
- Rugged and massive hand crank with ergonomic handle for a safe and easy hose reeling
- Hose reel double bearing
- Without hose, pre-assembled in carton box

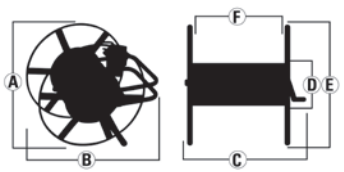
Materials:

- Wall Hose Reel: Stainless steel electropolished
- Swivelling connector: Brass Cuphin



Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 70 m, 5/8" (16 mm) = 60 m, 3/4" (19 mm) = 40 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	11.2 kg	ALBA STATUS IN3



Ⓐ Total height:	458 mm	Ⓓ Reel width:	229 mm
Ⓑ Total length:	554.5 mm	Ⓔ Reel wheel:	458 mm
Ⓒ Total width:	556 mm	Ⓕ Wheel width:	243.5 mm

Hose Reel (Post) TERRA

A Steady Solution for the Professional Sector and Private Use

- Robust whole metal construction, zinc-plated
- Drum design to avoid damage on hose with 45° hose connection and hose protection – no kinking
- Bearing based elbow fitting with tab
- Solid and robust handle with ergonomical designed grip: simple reeling and unrolling
- Magnetic winder locking and swivel lock
- Removable protection cover, ergonomical handling to be operated in hip height as well as central waterflow
- Not supplied with hose

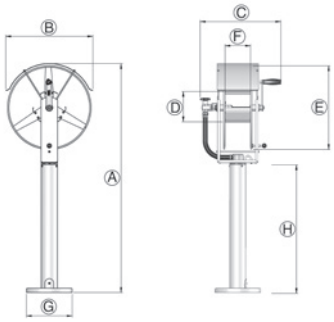
Materials

- Hose reel: Steel galvanized zinc-plated (free of chrome VI)
- Post: Steel hot galvanized (free of chrome VI)
- Swivelling connector: Brass MS 58 nickel-plated



Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 50 m, 5/8" (16 mm) = 40 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16	14.6 kg	ALBA TERRA



Ⓐ Total height:	1253 mm	Ⓔ Reel wheel	458 mm
Ⓑ Total length:	476 mm	Ⓕ Wheel width:	140 mm
Ⓒ Total width:	443 mm	Ⓖ Base:	250 mm
Ⓓ Reel width:	180 mm	Ⓗ Base height:	710 mm

Wall Hose Holder ALBA MIDI

For all Sectors

- Robust whole metal construction, UV resistant and environmentally friendly galvanized (zinc-plate, free of chrome VI)
- Statically solid
- Light construction
- Hose conserving, no hose buckling

Materials:

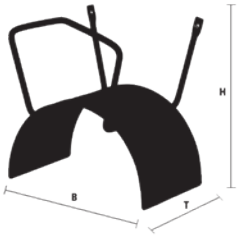
- Wall Hose Holder: Steel galvanized zinc-plated (free of chrome VI)

Also in Stainless Steel ALBA MIDI INOX



Temperature	Max. Hose Length	Media	
up to + 100°C	Mounting height 1.35 m: 1/2" (13 mm) = 140 m, 5/8" (16 mm) = 123 m, 3/4" (19 mm) = 70 m, 1" (25 mm) = 45 m hose	Water	1

Version	B	H	T	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	222	250	166	1 kg	ALBA MIDI



Wall Hose Holder ALBA MIDI INOX

For the Food Industry

- Totally made of electropolished stainless steel
- Statically solid
- Light construction
- Hose conserving, no hose buckling

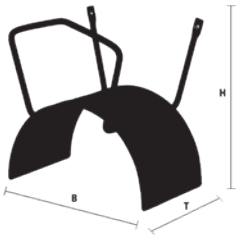
Materials

- Wall Hose Holder: Stainless Steel 1.4301



Temperature	Max. Hose Length	Media	
up to + 100°C	Mounting height 1.35 m: 1/2" (13 mm) = 140 m, 5/8" (16 mm) = 123 m, 3/4" (19 mm) = 70 m, 1" (25 mm) = 45 m hose	Water	1

Version	B	H	T	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	222	250	166	0.9 kg	ALBA MIDI INOX



Wall Hose Holder ALBA BIG

For all Sectors

- Whole metal construction, best rust protection due to hot galvanisation, virtually indestructible
- Very robust construction
- Statically solid
- Hose conserving, no hose buckling

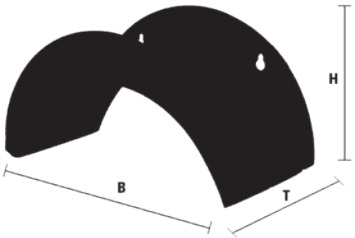
Materials:

- Wall Hose Holder: Steel hot galvanized (free of chrome VI)



Temperature	Max. Hose Length	Media	
up to + 100°C	Mountage hight 1.35 m: 1/2" (13 mm) = 89 m, 5/8" (16 mm) = 79 m, 3/4" (19 mm) = 46 m, 1" (25 mm) = 28 m hose	Water	1

Version	B	H	T	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	326	180	170	1.4 kg	ALBA BIG



Water Tap Hose Holder ALBA bOy

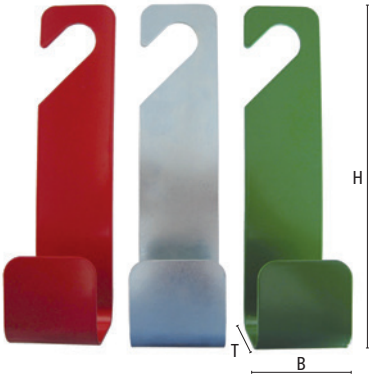
For all Sectors

- Available in zinc-plated steel resp. in red and green (2x) powder-coated
- Practical, without assembly
- Keeps the hose at the water tap
- High load capacity and space for up to 25 m of garden hose

Materials:

- Hose holder: Steel zinc-plated / Steel zinc-plated and powder coated (chromo VI free)

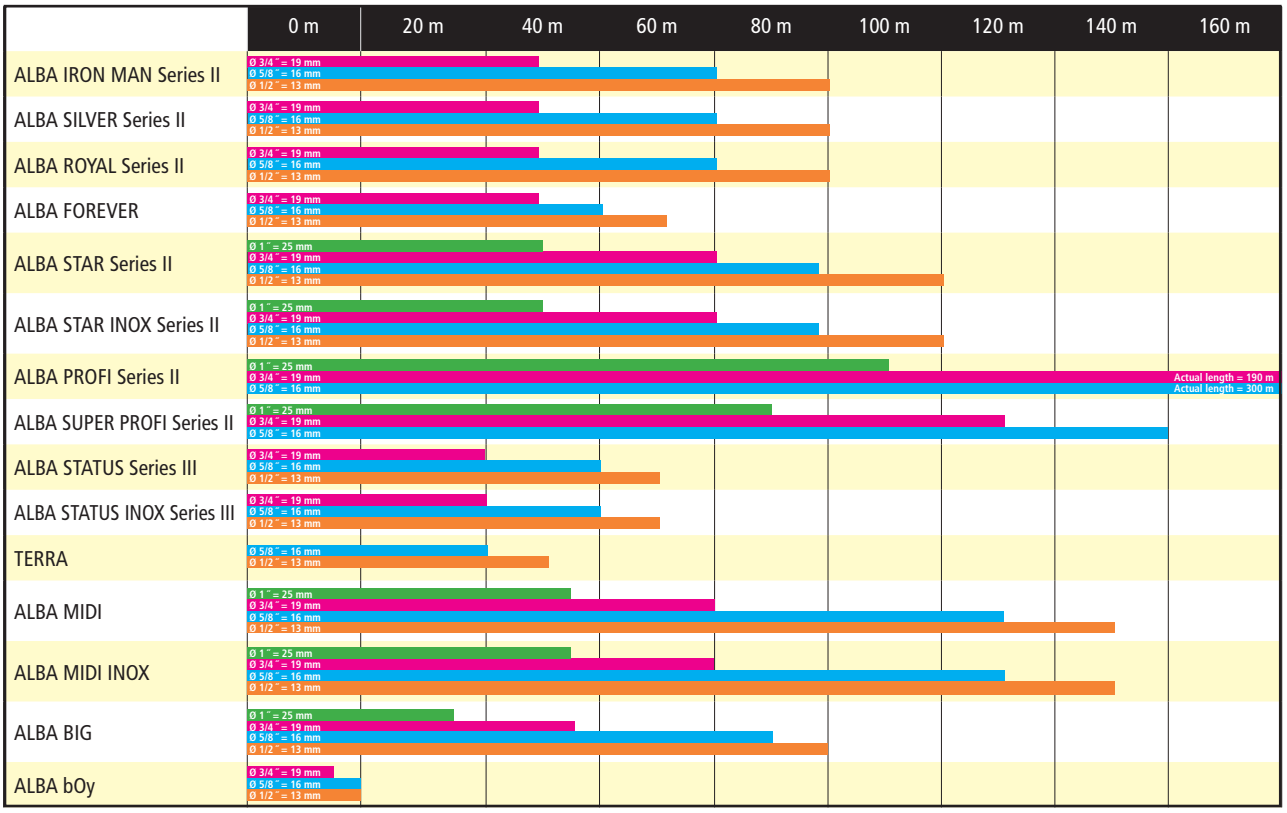




Temperature	Max. Hose Length	Media	
up to + 100°C	1/2" (13 mm) = 25 m, 5/8" (16 mm) = 20 m, 3/4" (19 mm) = 15 m	Water	1

Version	B	H	T	Colour	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	80	300	100	Silver	0.667 kg	ALBA BOY-S
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	80	300	100	Red	0.667 kg	ALBA BOY-R
Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	80	300	100	Green	0.667 kg	ALBA BOY-G

Hose Capacities Overview





Accessories



Ball Valves	Hose Clamps, Hose Clips and Ferrules
	

Table of Contents
Accessories



Ball Valves

308 Ball Valves - Sturdy Version
308 Ball Valves - Light Version
309 Double Ball Valves and Airhammer Ball Valves - Sturdy Version
310 Three Way Ball Valves
311 Hexagon Ball Valves



Hose Clamps, Hose Clips and Ferrules

313 Hose Clamps - Standard Version
314 Hose Clamps - US Version
314 Double-Ear Hose Clips
315 High-Performance Hose Clips made of Steel
316 High-Performance Hose Clips made of Stainless Steel
317 Heavy Duty Clamps NEW!
318 Ferrules for Low Pressure Hose Lines
318 Hand-Operated Assembly Machine

Ball Valves

Sturdy Version made of Brass Nickel-Plated

- High-quality ball valves for air, water, paint, solvents etc.
- Maintenance-free operation, long-living, sturdy and reliable, easy switching with full free passage, tested of tightness
- For Industry, Construction and Civil Installations

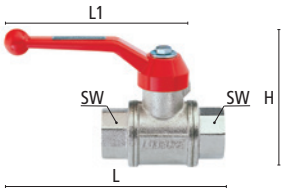
Materials

- Body and Sockets: Brass CW617N sandblasted and nickel-plated
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chromed
- Ball seals: PTFE
- Spindle seals: FKM
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	DIN 2999	Various	1

Ball Valves with female thread DIN 2999

Thread connection	L	SW	H	L1	Passage	Weight	Type No.
2 x R 1/4 f	50	25	78	95	8	296	KM 14 T
2 x R 3/8 f	60	25	78	95	10	302	KM 38 T
2 x R 1/2 f	75	26	82	95	15	390	KM 12 T
2 x R 3/4 f	80	32	90	104	20	682	KM 34 T
2 x R 1 f	90	39	97	104	25	876	KM 10 T
2 x R 2 f	140	70	170	178	50	3700	KM 20 T



Ball Valves

Light Version made of Brass Nickel-Plated

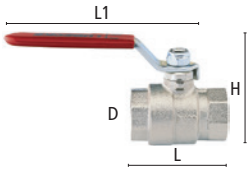
- Ball Valves with full passage and smaller sizes
- For Construction, Industry, Craftmanship, Agriculture or Civil Installations

Materials

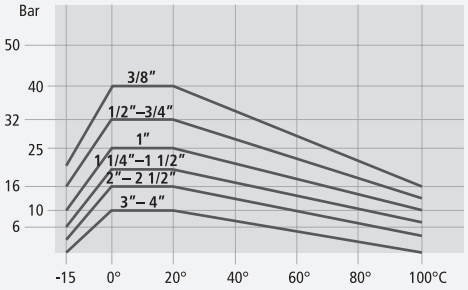
- Body and Sockets: Forged brass nickel-plated
- Ball: Brass MS 58 chromed
- Spindle seals: FKM
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball seals: PTFE
- Handle: Steel zinc-plated and coated with red PVC

Max. Working Pressure	Temperature	Thread	Passage	Pressure drop	Media	
Diagramm	-15°C – +120°C	ISO 228	Diagram	Diagram	Various	1

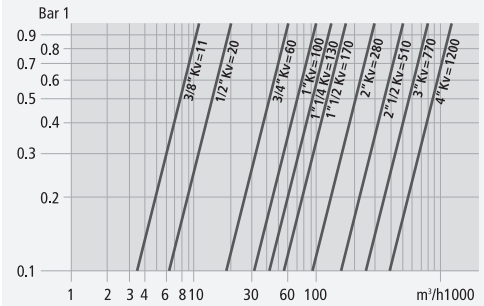
Ball Valves with female thread ISO 228



Thread connection	L	H	D	L1	Passage	Weight	Type No.
2 x G 1/4 f	37	41	23	85	8	114	K 14 K
2 x G 3/8 f	42	37	24	85	10	132	K 38 K
2 x G 1/2 f	50	40	30	85	15	180	K 12 K
2 x G 3/4 f	58	48	38	105	20	306	K 34 K
2 x G 1 f	68	52	46	105	25	470	K 10 K
2 x G 1 1/4 f	80	63	58	130	32	813	K 54 K
2 x G 1 1/2 f	93	69	70	130	40	1262	K 15 K
2 x G 2 f	110	83	86	165	50	2100	K 20 K
2 x G 2 1/2 f	133	116	111	260	65	3799	K 25 K
2 x G 3 f	156	127	135	260	80	5625	K 30 K



Pressure and temperature digram
For each ball valve, the nominal pressure PN depends on the type size and the temperature or vice versa.



Port capacity and pressure drop diagram
The Kv is the index port capacity, expressed in cubic meters per hour, causing a pressure drop of 1 bar with water at 15°C.

Double Ball Valves and Airhammer Ball Valves

Sturdy Version made of Brass Plain

- High quality, maintenance free, extremely robust valves made of forging brass
- With lever stop and ventilation, on request also without ventilation
- For compressed air in construction, on compressors and airhammers in the industry

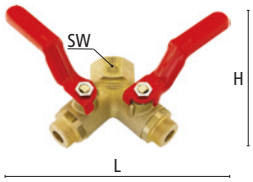
Materials

- Body and Sockets: Brass CW617N
- Spindle and Nut: Brass MS 58 plain
- Ball: Brass MS 58 chromed
- Ball seals: PTFE glass fiber reinforced
- Spindle seals: Buna N
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	ISO 228	Compressed air	1

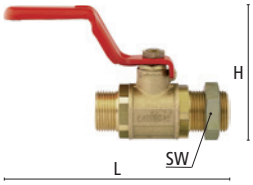
Double Ball Valves

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
2 x G 3/4 m	G 1 f	115	41	105	13	1039	DKH 10
2 x KIGO 34 claw coupling	G 1 f	170	41	130	13	1350	DKH 10 G
2 x KIM 34 claw coupling	G 1 f	170	41	130	13	1435	DKH 10 M



Airhammer Ball Valves, inlet thread with lock nut SW 32, outlet with inside cone 1:4

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
G 3/4 m	G 3/4 m	81	32	82	13	491	BKH 34
KIM 34 claw coupling	G 3/4 m	120	32	82	13	684	BKH 34 M



- On request we produce valves according to your drawings or samples with special connections and seals.
- Also available with T-Handle up to DN 25 e.g. KM 34 TBG
- Please order ball valves used in inspected plants separately, e.g. KM 12 T - AD (after TRB 404)

*Outlet

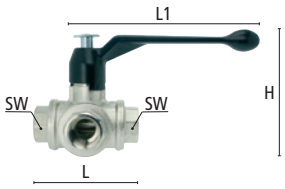
**Inlet

Three Way Ball Valves

- Robust ball valve made of brass nickel-plated
- For junctions or alternatively switching of air or water lines in industry, construction or civil applications

Materials

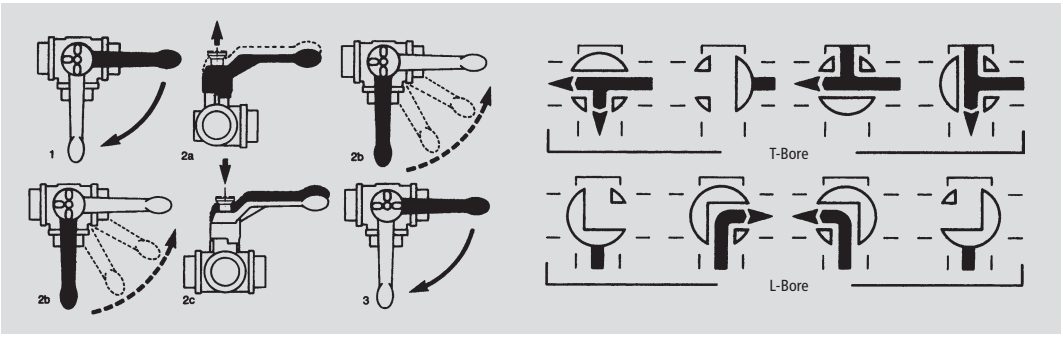
- Body: Brass MS 58 nickel-plated
- Ball: Brass hard chromed
- Ball seals: PTFE
- Spindle seals: PTFE
- Handle: Aluminium



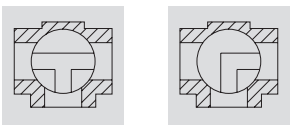
Max. Working Pressure	Temperature	Thread	Media	
PN 16 - 40 bar	-15°C – +100°C	ISO 228	Air / Water	1

Three way ball valves with 3 x female thread

Thread connect.	L	SW	H	L1	Passage	Max. Working Pr.	Weight	Type No./T	Weight	Type No./L
3 x G 1/4 f	71	27	96	130	10	40	713	**DWK 14 T**	679	**DWK 14 L**
3 x G 3/8 f	71	27	96	130	13	40	662	**DWK 38 T**	643	**DWK 38 L**
3 x G 1/2 f	80	27	96	130	13	40	653	**DWK 12 T**	637	**DWK 12 L**
3 x G 3/4 f	96	33	113	160	18	40	1090	**DWK 34 T**	1100	**DWK 34 L**
3 x G 1 f	113	40	122	160	23	25	1695	**DWK 10 T**	1710	**DWK 10 L**
3 x G 1 1/4 f	130	50	144	195	29	16	2680	**DWK 54 T**	2660	**DWK 54 L**
3 x G 1 1/2 f	147	57	154	195	35	16	3660	**DWK 15 T**	3710	**DWK 15 L**
3 x G 2 f	169	70	176	235	44	16	5820	**DWK 20 T**	5880	**DWK 20 L**



The flow direction can be identified on the marking of the circuit diagram. Position 1 and 3: Switching with ball rotation. **Position 2a - 2b - 2c:** Switching without ball rotation.



T L

Available with T or L-bore, please state when ordering

Hexagon Ball Valves

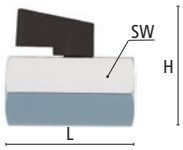
- Miniature ball valves made of brass, nickel-plated
- For pneumatic or water installations in industry, construction or civil applications

Materials
- Body: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chrome-plated
- Ball seals: PTFE
- Handle: Plastic

Max. Working Pressure	Temperature	Thread	Media	
PN 10 bar	-10°C – +90°C	ISO 228	Air / Water	10

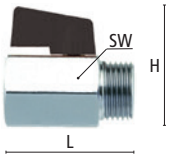
Hexagon Ball Valves with 2 x female thread

Thread connection	L	SW	H	Passage	Weight	Type No.
2 x G 1/4 f	36	19	38	5.5	71	KM 14 TS
2 x G 3/8 f	41	21	38	8	86	KM 38 TS
2 x G 1/2 f	48	25	42	10	137	KM 12 TS



Hexagon Ball Valves with female/male thread

Thread connection	L	SW	H	Passage	Weight	Type No.
G 1/4 m - G 1/4 f	36	19	38	5.5	61	KMZ 14 TS
G 3/8 m - G 3/8 f	41	21	38	8	83	KMZ 38 TS
G 1/2 m - G 1/2 f	48	25	42	10	130	KMZ 12 TS





Hose Clamps
Standard Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI) or stainless steel 1.4401
- Robust, easy and secure, for various fittings and applications

Materials
- Clamps, Spacers: Malleable iron zinc-plated and yellow passivated (free of chrome VI)/ Stainless steel 1.4401
- Screws: Galvanized steel/ Stainless steel A4-70

Max. Working Pressure	Norm
PN 16 / 25 bar	DIN 20039 A/B



Hose Clamps, made of malleable iron, two parts with overlapping cast-on-spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	60	17	M 8x30	10	95	S 22
Hose i.D. 19	27-32	70.5	17	M 8x30	10	105	S 34



Hose Clamps DIN 20039 A, made of stainess steel 1.4401, two parts with loose spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	18-26	63	18	M 8x30	5	140	SLE 13
Hose i.D. 19	26-33	71	18	M 8x30	5	160	SLE 19
Hose i.D. 25	32-40	81	18	M 10x35	5	210	SLE 25

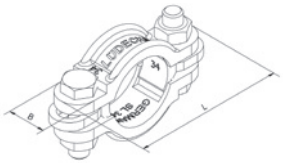


Hose Clamps DIN 20039 A, made of malleable iron, two parts with loose spacers

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	63	18	M 8x30	10	128	SL 29*
Hose i.D. 19	28-34	71	18	M 8x30	10	134	SL 34*
Hose i.D. 25	32-40	81	18	M 10x35	10	188	SL 40*
Hose i.D. 32	39-49	91	20	M 10x35	10	244	SL 49*
Hose i.D. 38	48-60	108	24	M 10x45	5	297	SL 60*
Hose i.D. 50	56-72	116	25	M 10x50	5	340	SL 72
Hose i.D. 50	60-76	127	25	M 10x50	5	405	SL 76*
Hose i.D. 63	77-94	146	30	M 12x55	5	556	SL 94*
Hose i.D. 75	73-94	139	25	M 12x110	1	665	SL 400
Hose i.D. 75	94-115	176	35	M 12x65	1	739	SL 115
Hose i.D. 89	113-127	170	27	M 12x110	1	890	SL 525
Hose i.D. 89	115-145	198	38	M 12x80	1	1046	SL 145
Hose i.D. 100	127-140	178	28	M 12x110	1	972	SL 550
Hose i.D. 100	135-155	194	27	M 12x110	1	984	SL 600
Hose i.D. 125	155-175	217	30	M 12x125	1	1130	SL 675
Hose i.D. 150	175-195	244	30	M 12x125	1	1445	SL 769
Hose i.D. 175	210-225	280	35	M 16x150	1	2163	SL 875
Hose i.D. 200	227-250	312	35	M 16x150	1	2610	SL 988

*according to DIN 20039 A





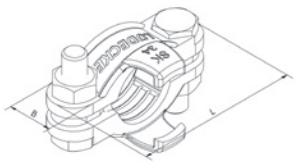
Hose Clamps DIN 20039 B, made of malleable iron, two parts with loose spacers and safety claws***

Version	Hose-o.D./ Range	L	B	Screw size		Weight	Type No.
Hose i.D. 13	22-29	63	18	M 8x30	10	142	SK 29
Hose 19x2		63	18	M 8x30	10	140	SK 29 FL**
Hose i.D. 19	28-32	77	21	M 10x35	10	220	SK 34
Hose 25x2		77	21	M 10x35	10	220	SK 34 FL**
Hose i.D. 25	35-42	90	22	M 10x35	10	272	SK 39
Hose i.D. 28	42-45	98	24	M 10x35	5	340	SK 44
Hose i.D. 35	45-53	108	25	M 10x45	5	380	SK 51
Hose i.D. 42	55-60	119	26	M 10x45	1	416	SK 60
Hose i.D. 50	60-73	132	30	M 12x55	1	637	SK 73
Hose i.D. 75	86-102	160	28	M 12x55	1	860	SK 75

**for flat hose

***PN 25 bar





Hose Clamps

US Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- Robust, easy and secure, for various fittings and applications

Materials

- Clamps: Malleable iron, zinc-plated and yellow passivated (free of Chrome VI)
- Screws: Galvanized steel





Max. Working Pressure
PN 25 bar

US Version Hose Clamps, two parts with safety claws

Version	Hose-o.D./ Range	L	B	Screw size	Screws	📦	Weight	Type No.
Hose i.D. 13	21-27	45	55	M 8x35	2	10	171	LB-4
Hose i.D. 19	30-35	43	65	M 8x45	2	10	176	SKA 34
Hose i.D. 19	30-33	64	70	M 10x50	2	1	405	LBU-9
Hose i.D. 19	33-38	70	71	M 10x50	2	1	413	LB-9
Hose i.D. 19	38-43	68	78	M 10X60	2	1	433	LB-10
Hose i.D. 25	34-45	70	85	M 10x50	2	1	500	SKA 10
Hose i.D. 50	63-70	100	120	M 12x80	4	1	1503	LBU-29

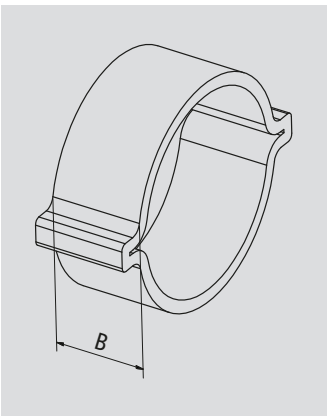
Double-Ear Hose Clips

- Clips made of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No risk of injury, closed and unremovable connection
- Suitable for assembly of many hoses and fittings for use with various media

Materials

- Clips: Unbreakable special realiable steel, zinc-plated and blue chromated (free of chrome VI)





📦
100

Double-Ear Hose Clips

Hose-o.D./ Range	B	Weight	Type No.
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	ZOSZ

High-Performance Hose Clips

made of Steel W1 (DIN 3017)

- High-performance hose clips made of steel W1, free of chrome VI, zinc-plated and thick layer passivated
- Optimum sealing through high band tension – maximum strip safety
- Hose-protective through rounded edges and smooth band inside
- Thinner screw body with new position, therefore improved torque
- Material and clamp range stamped at inner band side
- Hexagon screw with cross-slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, sizes 100-180 in plastic bags, from size 190 individually
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Steel W1, zinc-plated and thick layer passivated

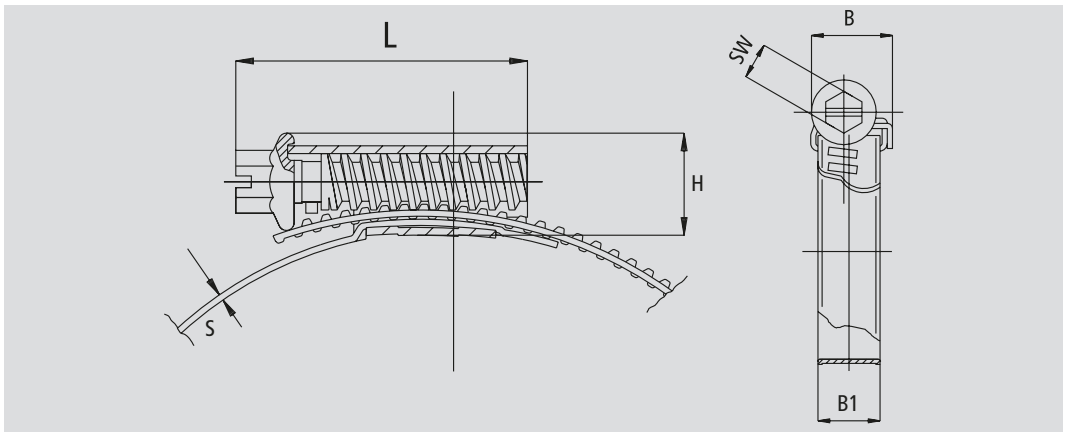
Norm
DIN 3017

High-Performance Hose Clips, band and lock steel W 1, zinc-plated

				torque	band width						
⌐ Range ¬								band-thickness			
mm	inch	B	SW	Max.Nm	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	14	7	2-2.5	20.5	11.5	9	0.7	100	12	HS 12
10-16	5/18-5/8	14	7	2-2.5	20.5	11.5	9	0.8	100	13	HS 16
12-22	1/2-3/4	14	7	3-3.5	24	11.5	9	0.8	100	16	HS 20
16-27	5/8-1	16	7	5-5.5	31	13	9	0.8	100	17	HS 25
20-32	3/4-1 1/4	16	7	5-5.5	31	13	12	0.8	50	27	HS 32
25-40	1-1 5/8	16	7	5-5.5	31	13	12	1.0	50	32	HS 40
30-45	1 3/8-1 3/4	16	7	5-5.5	31	13	12	1.0	50	33	HS 45
35-50	1 1/4-2	16	7	5-5.5	31	13	12	1.0	50	35	HS 50
40-60	1 5/8-2 3/8	16	7	5-5.5	31	13	12	1.0	25	39	HS 60
50-70	2-2 3/4	16	7	5-5.5	31	13	12	1.0	25	43	HS 70
60-80	2 3/8-3 1/8	16	7	5-5.5	31	13	12	1.0	25	45	HS 80
70-90	2 3/4-3 1/2	16	7	5-5.5	37	13	12	1.0	25	52	HS 90
80-100	3 1/8-4	16	7	5-5.5	37	13	12	1.0	10	53	HS 100
90-110	3 1/2-4 3/8	16	7	5-5.5	37	13	12	1.0	10	53	HS 110
100-120	4-4 3/4	16	7	5-5.5	37	13	12	1.0	10	58	HS 120
110-130	4 3/8-5 1/8	16	7	5-5.5	37	13	12	1.0	10	60	HS 130
120-140	4 3/4-5 1/2	16	7	5-5.5	37	13	12	1.0	10	63	HS 140
130-150	5 1/8-5 7/8	16	7	5-5.5	37	13	12	1.0	5	69	HS 150
140-160	5 1/2-6 1/4	16	7	5-5.5	37	13	12	1.0	5	71	HS 160
150-170	5 7/8-6 5/8	16	7	5-5.5	37	13	12	1.0	5	74	HS 170
160-180	6 1/4-7	16	7	5-5.5	37	13	12	1.0	5	77	HS 180
170-190	6 1/2-7 1/2	16	7	5-5.5	37	13	12	1.0	1	79	HS 190
180-200	7 1/8-8	16	7	5-5.5	37	13	12	1.0	1	81	HS 200
190-210	7 1/2-8 1/4	16	7	5-5.5	37	13	12	1.0	1	86	HS 210
200-220	8-8 3/4	16	7	5-5.5	37	13	12	1.0	1	92	HS 220
210-230	8 1/8-9	16	7	5-5.5	37	13	12	1.0	1	98	HS 230
220-240	8 3/4-9 3/8	16	7	5-5.5	37	13	12	1.0	1	101	HS 240
230-250	9-9 3/4	16	7	5-5.5	37	13	12	1.0	1	105	HS 250
240-260	9 3/8-10 1/4	16	7	5-5.5	37	13	12	1.0	1	108	HS 260
250-270	9 3/4-10 1/2	16	7	5-5.5	37	13	12	1.0	1	112	HS 270
260-280	10 1/4-11	16	7	5-5.5	37	13	12	1.0	1	116	HS 280







High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

- High performance hose clips made of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Stamped band
- Thinner screw body with new position, therefore improved torque
- Material and clip range stamped at inner band side
- Hexagon screw with slotted head
- Regularly spaced tension over complete hose diameter
- Up to size 90 in boxes, size 100 in plastic bags
- For safe, fast and removable use on various hoses and fittings for various media

Materials

- Band, Body, Screw: Stainless steel W5
- Special Screw Driver: Chromed steel/ plastic

Norm
DIN 3017





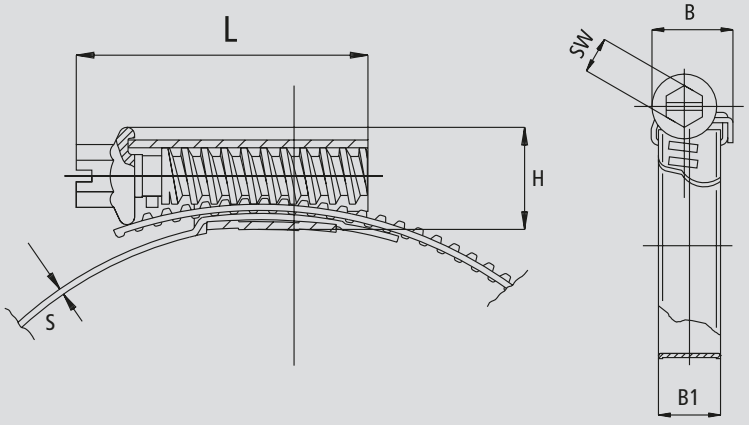


High-Performance Hose Clips, band and lock stainless steel W 5

Range				torque			Band-width				
							band-thickness				
mm	inch	B	SW	Max. Nm.	L	H	B1	S		Weight	Type No.
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100

Special hexagon screw driver of chromed steel with plastic handle

Version	SW		Weight	Type No.
Rigid	7	1	89	SR STARR
Flexible	7	1	134	SR FLEX.



NEW!

Heavy Duty Clamps
made of Steel (DIN 3017)

- Heavy duty clamp made of stainless steel 1.4016
- New special screw with integrated distance tube and better performance
- Reinforced band strap and therefore higher torques (very high breaking torque and very high clamping force)
- Mechanical mounting, therefore no welding points and corrosion contact
- Bridge for sustainable hose relief
- Robust band with rounded edges prevents injuries and hose break
- Simple installation (with manual, pneumatic or electrical standard tools)
- Packed in boxes
- For applications with strict requirements for the hose clamps (for the application of suction and compressed air hoses with high degree of hardness or with plastic / steel core)

Materials
- Band: Stainless steel 1.4016
- Body, Screws: Steel zinc-plated (free of chrome VI)

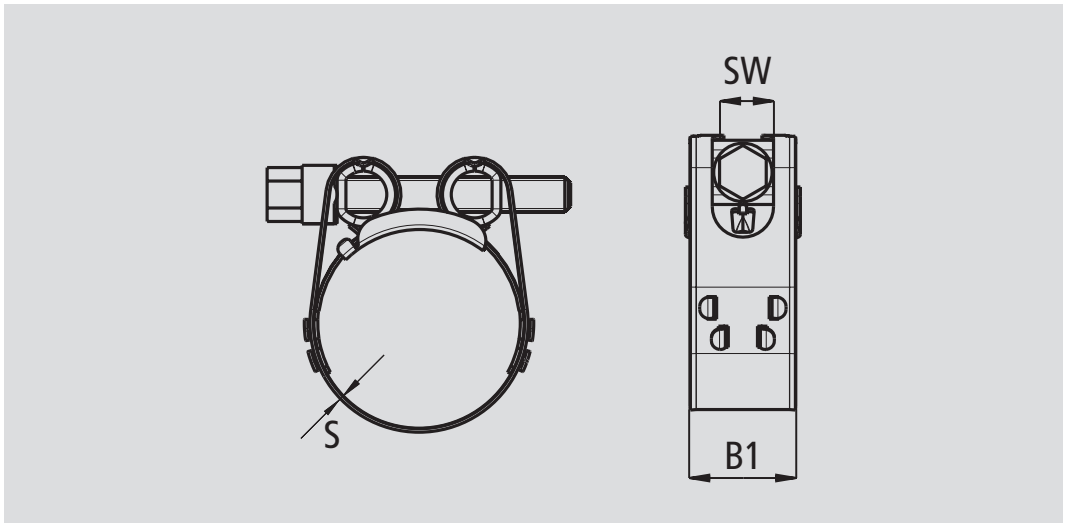
Norm
DIN 3017

Heavy Duty Clamps

⌐ Range ¬			torque	Band width	Band thickness			
mm	inch	SW	Max. Nm.	B1	S		Weight	Type No.
17-19	11/16-3/4	8	8	18	0.6	100	52	GBSM 19
19-21	3/4-13/16	8	8	18	0.6	100	52	GBSM 21
21-23	13/16-15/16	8	8	18	0.6	100	52	GBSM 23
23-25	15/16-1	8	8	18	0.6	100	52	GBSM 25
25-27	1-1 1/16	8	8	18	0.6	50	52	GBSM 27
27-29	1 1/16-1 1/8	8	8	18	0.6	50	52	GBSM 29
29-31	1 1/8-1 1/4	8	8	18	0.6	50	85	GBSM 31
31-34	1 1/4-1 5/16	8	8	18	0.6	50	85	GBSM 34
34-37	1 5/16-1 7/16	8	8	18	0.6	50	85	GBSM 37
37-40	1 7/16-1 9/16	8	8	18	0.6	50	85	GBSM 40
40-43	1 9/16-1 11/16	8	8	18	0.6	50	85	GBSM 43
43-47	1 11/16-1 7/8	10	10	20	0.8	25	85	GBSM 47
47-51	1 7/8-2	10	10	20	0.8	25	85	GBSM 51
51-55	2-2 3/16	10	10	20	0.8	25	115	GBSM 55
55-59	2 3/16-2 5/16	10	10	20	0.8	25	115	GBSM 59
59-63	2 5/16-2 1/2	10	10	20	0.8	25	115	GBSM 63
63-68	2 1/2-2 11/16	10	10	20	0.8	10	115	GBSM 68
68-73	2 11/16-2 7/8	13	20	25	1.0	10	153	GBSM 73
73-79	2 7/8-3 1/8	13	20	25	1.0	10	153	GBSM 79



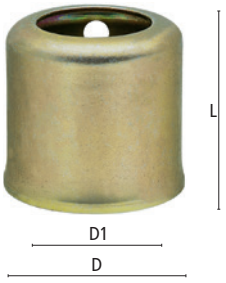




Ferrules for Low Pressure Hose Lines

- Ferrules of redhotted steel, zinc-plated and yellow passivated
- Easy, fast and absolutely safe hose crimping with **LÜDECKE** hand-operated assembly machine SPR 333 up to type LPH-23
- No risk of injury, closed and unremovable connection
- For crimping of various hoses and fittings for use with various media

Materials
- Body: redhottet steel, zinc-plated and yellow passivated



Max. Working Pressure									
PN 16 bar									
	for hose								
D	DIN 20018	Water	PVC	L	D1	Assembly-M.	Weight	📦	Type No.
12.5				17	8.5	SPR 333	3	100	LPH-12,5
13.5			6x3	20	9.3	SPR 333	5	100	LPH-13,5
14.5	6x3.5			17	10	SPR 333	5	100	LPH-14,5
16			8x3	17	11.5	SPR 333	5	100	LPH-16
18	9x3.5		10x3	20	13.5	SPR 333	7	100	LPH-18
19			12x3	20	13.9	SPR 333	9	100	LPH-19
19.5				26	14.5	SPR 333	10	100	LPH-19,5
21				26	14.5	SPR 333	12	100	LPH-21
22				32	17	SPR 333	16	100	LPH-22
23		13x3		32	17	SPR 333	18	100	LPH-23
25	13x5			32	17		19	100	LPH-25
28	15x6			32	20.5		22	100	LPH-28
30.5		19x4		33	24.3		24	100	LPH-30
33	19x6			35	24.8		40	100	LPH-33
38		25x4.5		35	28		47	25	LPH-38
41	25x7			40	30		64	25	LPH-41

For higher Working Pressure we recommend hydraulic crimping with turned steel-ferrules type PH (page 191) or on request.

Hand-Operated Assembly Machine
for Low Pressure Ferrules

- Crimping machine for easy and safe assembly of low-pressure hoses from 3 to 20 mm Hose i.D.
- Clean: Exact assembling of fitting, hose and ferrule through centric crimping of the ferrule
- Inexpensive: Fast assembling at reasonable costs
- Safe: Improved safety through perfect fit
- Elegant: Reduced danger of injury
- With two crimping-jaw sets for crimping range from 3 to 20 mm and from 10 to 20 mm.
- Flexible: For mobile use



For hoses						
Hose i.D.	Hose o.D./ Range	suitable ferrule	e.g. for fitting	📦	Weight	Type No.
3-20	10-22	LPH 12.5-23	Pneumatic-Connect., ES-Couplings	1	12.2	SPR-333


30°
30°
R0.2
R0.3
R1.7
R1.3
R0.5
R0.5
3.9
90°
5°
14
Ø6.9 +0.02 0



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