



# 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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## Processing Industry



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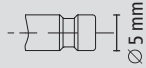
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# Micro Quick Connect Couplings

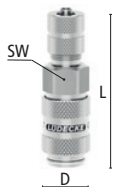
## Series ESMCE single shut-off

**DN 2.7**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- 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

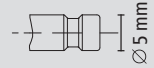
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSV
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSV
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSV

For hose clips type HSE (☹ page 316)

# Micro Quick Connect Couplings

## single shut-off Series ESMCE

**DN2.7**



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

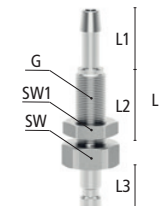
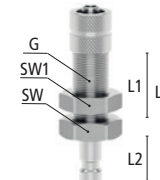
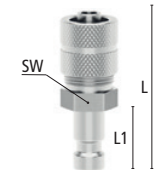
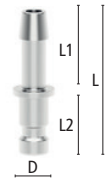
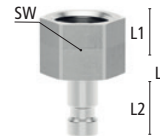
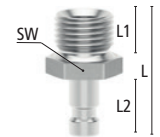
### Plugs with hose squeeze nut and bulkhead screwing

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

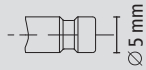
For hose clips type HSE (© page 316)



# Micro Quick Connect Couplings

## Series ESMCE double shut-off

**DN 2.7**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- 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)

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

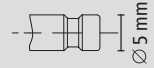
For hose clips type HSE (☹ page 316)



# Micro Quick Connect Couplings

## double shut-off Series ESMCE

**DN2.7**



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

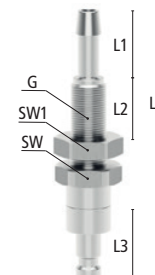
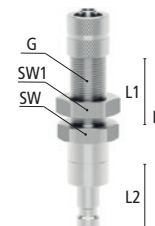
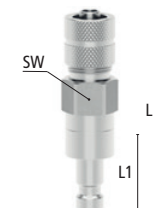
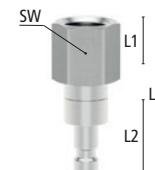
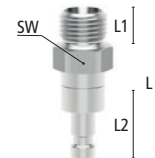
### Plugs with hose squeeze nut and bulkhead screwing

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)







# Mini Quick Connect Couplings

## single shut-off Series ESME

- 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

### 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

### 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

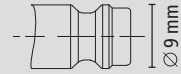
Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	34	ESME 4 TQ
Hose 6x8	43	14	16	14	36	ESME 6 TQ

### 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

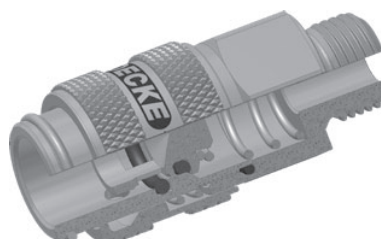
Special versions on request.

**DN5**



Plug Profile (original size)

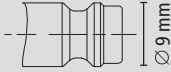
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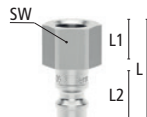
# Mini Quick Connect Couplings

## Series ESME single shut-off

**DN5**



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

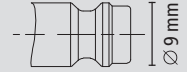
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 4	32	9	17	14	7	ESME 4 S
Hose i.D. 5	32	9	17	14	8	ESME 5 S
Hose i.D. 6	32	9	17	14	9	ESME 6 S
Hose i.D. 8	32	9	17	14	9	ESME 8 S
Hose i.D. 9	33	10	17	14	9	ESME 9 S
Hose i.D. 10	33	12	17	14	12	ESME 10 S

For hose clips type HSE (☹ page 316)

# Mini Quick Connect Couplings

## single shut-off Series ESME

**DN5**



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

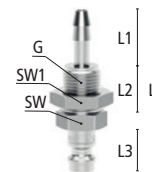
### Plugs with hose squeeze nut and bulkhead screwing

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

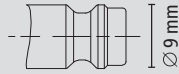
For hose clips type HSE (☺ page 316)



# Mini Quick Connect Couplings

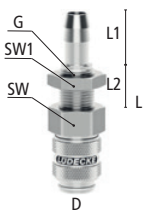
## Series ESME double shut-off

**DN5**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- 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

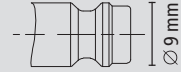
For hose clips type HSE (☺ page 316)



# Mini Quick Connect Couplings

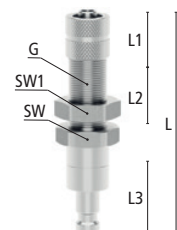
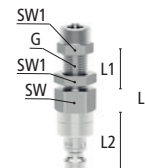
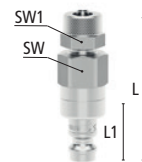
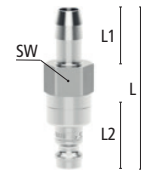
## double shut-off Series ESME

**DN5**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



### 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

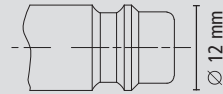
Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 5	63	17	14	14	14	17	M 12x1 m	38	ESME 5 SSVAB
Hose i.D. 6	63	17	14	14	14	17	M 12x1 m	38	ESME 6 SSVAB
Hose i.D. 8	63	17	14	14	14	17	M 12x1 m	38	ESME 8 SSVAB

For hose clips type HSE (© page 316)

# Quick Connect Couplings

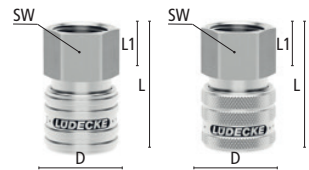
## Series ESE single shut-off

**DN7.2**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- 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

### Couplings with parallel male thread

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

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

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

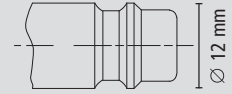
Available either with ergonomically flat sleeve contour to avoid dirt nests for demanding hygiene regulations or with handy knurled sleeve



# Quick Connect Couplings

## single shut-off Series ESE

**DN7.2**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



### 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!**

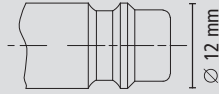
### Plugs with bulkhead screwing

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

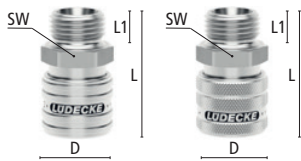
## Series ESE double shut-off

**DN7.2**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



- 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

Thread connection	L	SW	D	L1	Weight	sleeve	
						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

Thread connection	L	SW	D	L1	Weight	sleeve	
						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

Hose connection	L	SW	D	L1	Weight	sleeve	
						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)

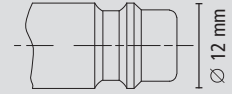
Available either with ergonomically flat sleeve contour to avoid dirt nests for elevated hygiene regulations or with handy knurled sleeve



# Quick Connect Couplings

## double shut-off Series ESE

**DN 7.2**



Plug Profile (original size)

### 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

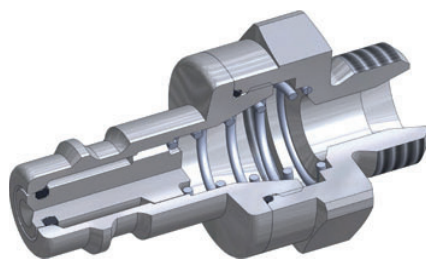
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	44	22	10.5	20	55	ESE 14 NIAB
G 3/8 f	44	22	10.5	20	55	ESE 38 NIAB
G 1/2 f	45.5	24	12	20	62	ESE 12 NIAB

### 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)

**Clean Connect**  
by LUDECKE

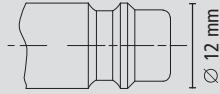




# Industrial Quick Connect Couplings

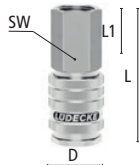
## Series ESIE single shut-off and double shut-off

**DN 7.8**



Plug Profile (original size)

**Clean Connect**  
by **LUDECKE**



- 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

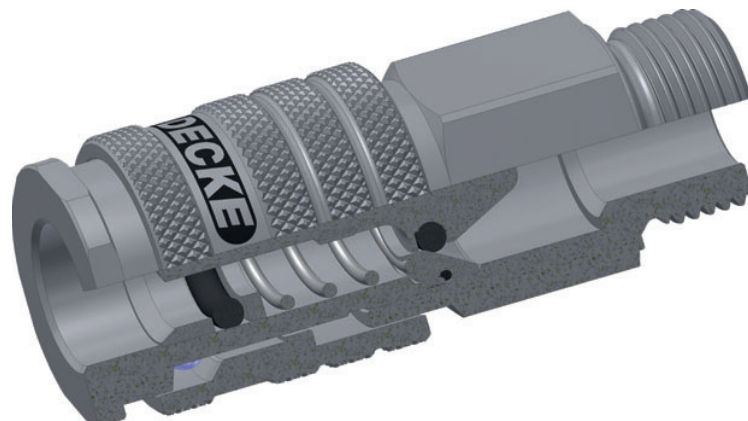
### Couplings with female thread (valved)

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

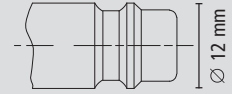
For hose clips type HSE (© page 316)



# Industrial Quick Connect Couplings

## single shut-off and double shut-off Series ESIE

**DN 7.8**



Plug Profile (original size)

**Clean Connect**  
by LUDECKE



### 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)

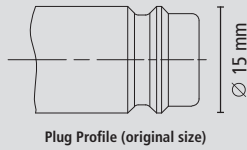
Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	54	22	25	20	55	ESE 6 SAB
Hose i.D. 8	54	22	25	20	55	ESE 8 SAB
Hose i.D. 9	54	22	25	20	55	ESE 9 SAB
Hose i.D. 10	54	22	25	20	56	ESE 10 SAB
Hose i.D. 13	54	22	25	20	57	ESE 13 SAB

For hose clips type HSE (© page 316)

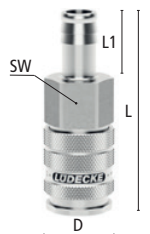
# Industrial Quick Connect Couplings

## Series ESIGE single shut-off and double shut-off

**DN 10**



**Clean Connect**  
by **LUDECKE**



- 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)

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)

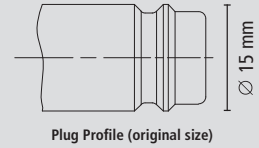
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 9	46.5	15	25	21	21	ESIGE 9 S
Hose i.D. 10	46.5	15	25	21	21	ESIGE 10 S
Hose i.D. 13	46.5	15	25	21	28	ESIGE 13 S
Hose i.D. 16	48	20	25	21	33	ESIGE 16 S
Hose i.D. 19	48	24	25	21	39	ESIGE 19 S

For hose clips type HSE (© page 316)

# Industrial Quick Connect Couplings

## double shut-off Series ESIGE

**DN 10**



### 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)

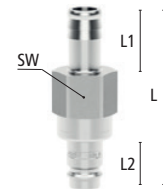
Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	54.5	24	11	21	90	ESIGE 38 NIAB
G 1/2 f	54.5	24	12	21	82	ESIGE 12 NIAB
G 3/4 f	58.5	32	16	21	145	ESIGE 34 NIAB

### 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)

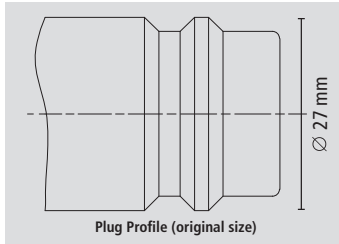
**Clean Connect**  
by **LUDECKE**



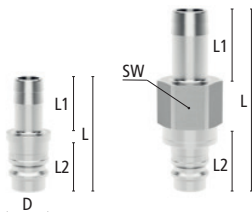
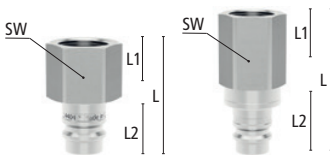
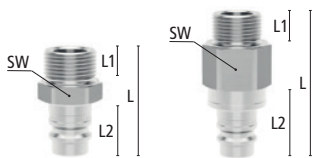
# Industrial Quick Connect Couplings

## Serie ESGE single shut-off and double shut-off

**DN 19**



**Clean Connect**  
by LUDECKE



- 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, craftsmanship, 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

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)



# 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)

### 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.	Block Length	Weight		
		Hose Length	Outer Spiral Ø	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

Food-Safe

**Clean  
Connect**  
by LUDECKE


## 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

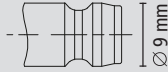
Connection	Version	Nozzle bore	L	D	Weight	Type No.
Plug ESE	with nozzle HE2	2	108	22	277	AHLE ESE

**Clean  
Connect**  
by LUDECKE


# 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	ESHME 1415 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	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	ESHME 1415 A-90AB

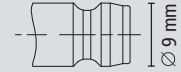
Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

### 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

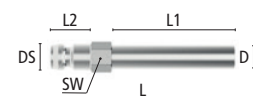
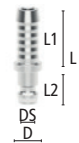
Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	29	15	12	14	9	6	14	ESHME 14 NAAB
G 3/8 m	30	17	12	14	9	6	22	ESHME 38 NAAB
M 14x1.5 m	29	15	12	14	9	6	15	ESHME 1415 NAAB

#### 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

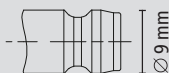
#### Plug Tubes for countersunk mould threads

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



# 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

 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	ESHMTE1415AL45AB

#### 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	ESHMTE1415AL90AB

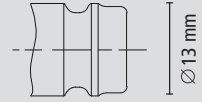
other types / sizes on request!

# 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

### 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)

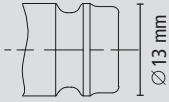
### European Plug Profile



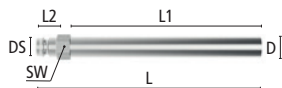
# Temperature Regulation Quick Connect Couplings

## 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

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

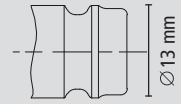
#### Couplings with 90° male thread without/with valve (inner cone DIN 3863)

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)

DN9

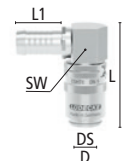


Plug Profile (original size)

**Temp Secure**  
by LUDECKE



European  
Plug Profile





# 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

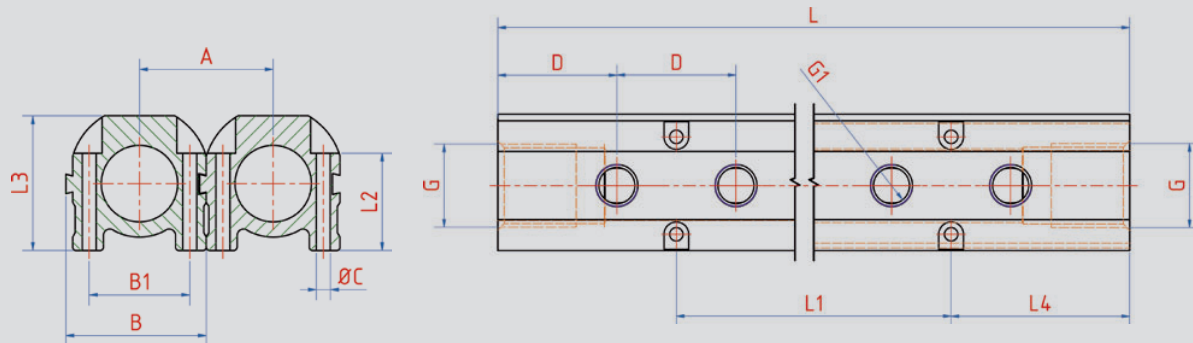
G*	G1**	L	B	L1	L2	L3	L4	ØC	A	D	B1	Weight	Type No.
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	1490	VBE 34144-190

## 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 minimum 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!

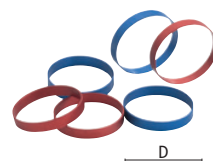
## Materials

- 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.



# Fittings for Cleaning Applications

## made of Stainless Steel 1.4404

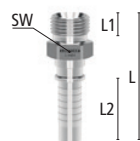


- High-quality hose fitting of stainless steel 1.4404
- Hose fitting for hose crimping consisting of: hose barb with 60° sealing cone and hexagon nut or hose barb with male thread and 60° sealing cone and crimping ferrule
- High pressure and temperature capabilities, absolutely tight and durable
- Hygienic 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 LUDECKE



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

# Quick Connect Couplings for Cleaning Applications

## made of Stainless Steel 1.4404 Series ESLGE

NEW!

- 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)

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

### 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)

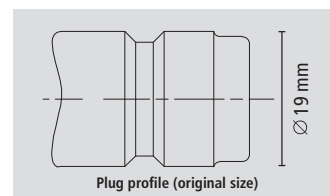
### Cap plug

L	SW	L1	DS	Weight	Type No.
40	22	27	19	100	ESLGE-V

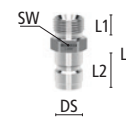
\*the exact article number can be determined upon selection of hose to be used and consulting our sales team

\*\*subject to temperature, assembly and hose

DN 13



**Clean Connect**  
by LUDECKE



# 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 (☺ 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

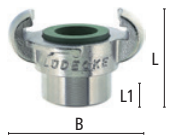
Assembly instructions for thread ferrules (☺ catalogue page 433)

### 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 (☺ 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
- Connector: Stainless steel 1.4404
- Locking nut: Stainless steel 1.4305
- 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)

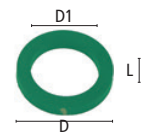
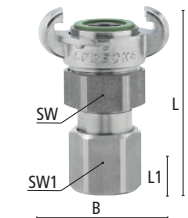
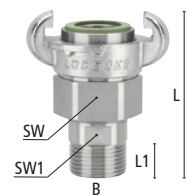
Thread connection	L	SW	B	L1	SW1	Passage	Weight	Type No.
G 1/2 m	77	36	63	12	24	13	320	EKSA 12 V
G 3/4 m	80	36	63	15	24	18	335	EKSA 34 V
G 1 m	82	36	63	15	24	18	370	EKSA 10 V

### Mody-Safety Female Thread Claw Couplings (DIN 3238)

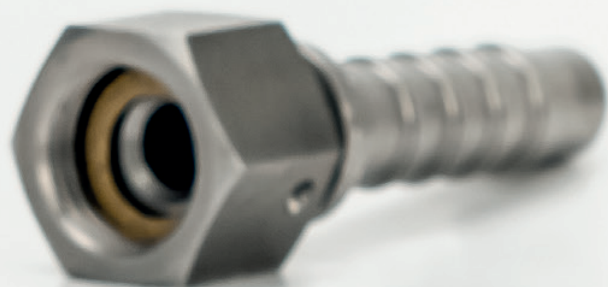
Thread connection	L	SW	B	L1	SW1	Passage	Weight	Type No.
G 1/2 f	80	36	63	15	24	18	345	EKSI 12 V
G 3/4 f	95	36	63	15	32	18	430	EKSI 34 V
G 1 f	100	36	63	20	41	18	530	EKSI 10 V

### 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









# 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:

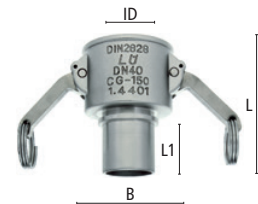
- Female part, male part, handle: Stainless steel 1.4401 electro polished
- O-ring: Buna N

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)

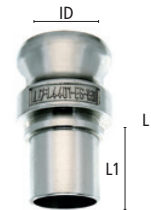
Hose connection	L	B	Type-Size	ID	L1	Passage	DN	For Clamp	Weight	Type No.
Hose 19x6	77	60	75	32.4	35	14.5	20	KSA 30-33	254	75-CG-SS-BU
Hose 25x6	83	66	100	37.3	35	21	25	KSA 36-39	335	100-CG-SS-BU
Hose 32x6	89	77	125	46	35	27.5	32	KSA 43-46	570	125-CG-SS-BU
Hose 38x6.5	91	82	150	54	34.5	33	40	KSA 50-53	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

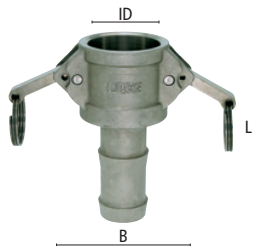
- High quality, robust couplings acc. to US-Mil.-Standard (MIL-C-27487) or DIN EN 14 420-7 (formerly DIN 2828)
- Interchangeable with world-wide used types
- Female threads with thread sealing ring of PTFE
- Seals of Buna N, Hypalon, EPDM and FKM and handles as spare parts
- Couplings generally with 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

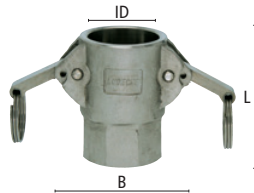
Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 16 bar	-40°C – +95°C	ISO 228 / DIN 2999	MIL-C-27487/ DIN EN 14 420-7	different	1

## Couplings with hose stem (MIL-C-27487)



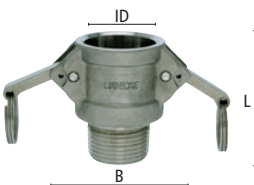
Hose connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
Hose i.D. 13	86	40	50	24.5	8	15	one handle w/o safety clip	150	50-C-SS-BU
Hose i.D. 19	82	63	75	32.4	14	20	two handles w safety clip	238	75-C-SS-BU
Hose i.D. 25	97	72	100	37.3	20	25	two handles w safety clip	358	100-C-SS-BU
Hose i.D. 32	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)



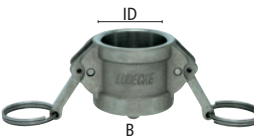
Thread connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
G 1/2 f	45	40	50	24.5	15	15	one handle w/o safety clip	147	50-D-SS-BU
G 3/4 f	51	63	75	32.4	17.5	20	two handles w safety clip	265	75-D-SS-BU
G 1 f	62	72	100	37.3	23	25	two handles w safety clip	398	100-D-SS-BU
G 1 1/4 f	70	83	125	46	31	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



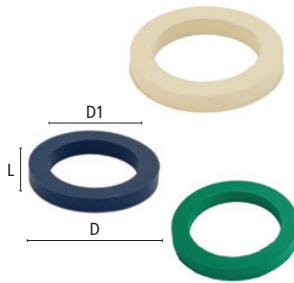
# Spare Parts for Kamlok Quick Couplings

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	2	EDR-50-BU
5.5	35	75	22	20	4	EDR-75-BU
6.5	39	100	27	25	6	EDR-100-BU
6.5	49	125	34.5	32	8	EDR-125-BU
6.5	55	150	41	40	9	EDR-150-BU
6.5	66	200	51	50	12	EDR-200-BU
6.5	79	250	60	65	19	EDR-250-BU
6.5	95	300	76	80	21	EDR-300-BU
6.5	124	400	101	100	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	1	GDR-50-PTFE
2	26	75	18	1	GDR-75-PTFE
2	33	100	23	2	GDR-100-PTFE
2	42	125	32	2	GDR-125-PTFE
2	48	150	38	3	GDR-150-PTFE
2	60	200	49	3	GDR-200-PTFE
2	76	250	63	4	GDR-250-PTFE
2	88	300	77	5	GDR-300-PTFE
2	114	400	100	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	19	KAH 1
100	29	KAH 2
125, 150, 200, 250	68	KAH 3
300, 400	110	KAH 4


## Chain of stainless steel for Dust Caps and -Plugs



L	Weight	Type No.
200	7	EKMV-K

# Spare Parts for Kamlok Quick Couplings

DIN EN 14 420-7, US MIL-Norm C-27487

Hypalon		EPDM		FKM		Teflon-packed (U-form) with EPDM <sub>7</sub> core
Colour:	blue	Colour:	With food approval yellow	Colour:	green	
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

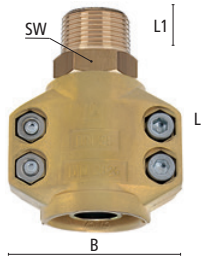
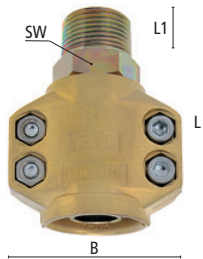
Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	16	15	9	447	DAK 12-13 ST
Hose 19x7	R 3/4 m	95	27	68	17	20	14	700	DAK 34-19 ST
Hose 25x7.5	R 1 m	100	36	77	21	25	20	933	DAK 10-25 ST
Hose 38x8	R 1 1/2 m	125	50	101	22	40	33	1940	DAK 15-38 ST
Hose 50x9	R 2 m	140	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



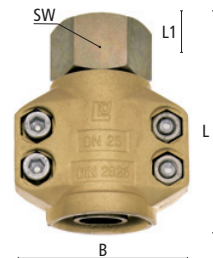
# Steam Screwings

## 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

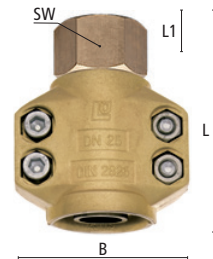
(Attention: Replace female thread sealing ring when screwing is reused!)



### Female thread screwings of brass MS 58 with safety clamp of brass

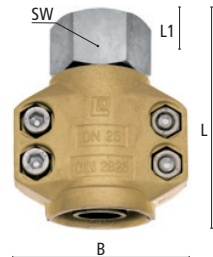
Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	480	DIK 12-13 MS
Hose 19x7	G 3/4 f	92	32	68	15	20	14	680	DIK 34-19 MS
Hose 25x7.5	G 1 f	93	41	77	16	25	20	1022	DIK 10-25 MS
Hose 38x8	G 1 1/2 f	120	55	101	18	40	33	1930	DIK 15-38 MS
Hose 50x9	G 2 f	131	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	G 1 f	93	41	77	16	25	20	950	DIK 10-25 SS





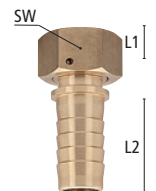
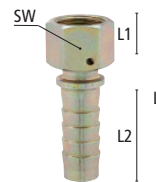
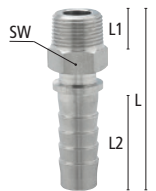
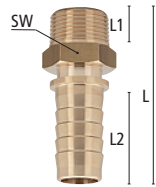
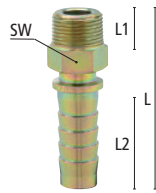
# Steam Screwings

## 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

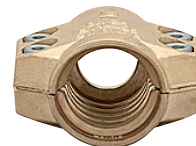
# Steam Screwings

## 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



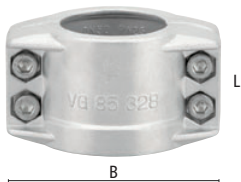
# Safety Clamps

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 **LUDECKE** 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, Guillemain 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

**DN41**

**Soft  
Flow**  
LUDECKE

- 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

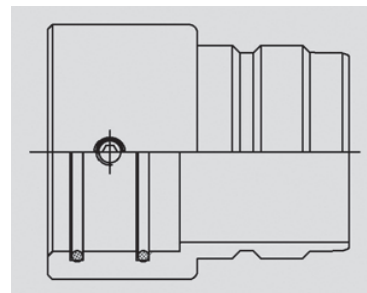
Type	Size	Material		Weight	Type No.
O-ring	45 x 5	Buna N	10	6	GRK-D

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

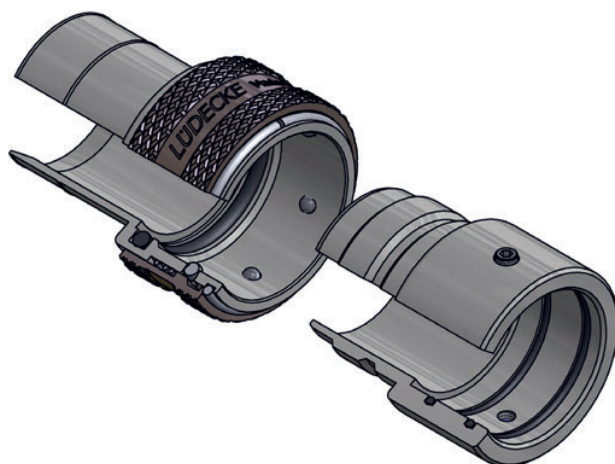
Thread connection	SW	L	D	L1	L2	DS	Passage	Weight	Type No.
G 1 1/2 f	55	65	59	19	36	49	41	350	GRS 15 I
G 2 f	60	65	59	19	36	49	41	380	GRS 20 I



### 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



**Snow Master**  
by **LUDECKE**

- 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**

Optional Stem-Types

for steelband



for crimping ferrule



for wire



for safety clamp



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

### 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

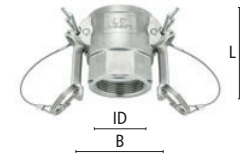
- Coupling, plug: Stainless Steel 1.4401
- Locking sleeve: Steel blue passivated
- Ferrule: Steel zinc-plated and blue passivated
- O-ring: Buna N
- Thread sealing ring: PTFE
- Safety Clamp: Aluminium forged
- Screws: DACRO 500 A coated
- Handle, pin, cord, ring: Stainless Steel 1.4401
- Safety clip: Steel zinc-plated (DIN 11024)



**Snow Master**  
by LUDECKE

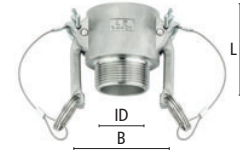
## Couplings with female thread and thread sealing ring

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-Size	Weight	Type No.
150, 200, 250	89	SKH 1

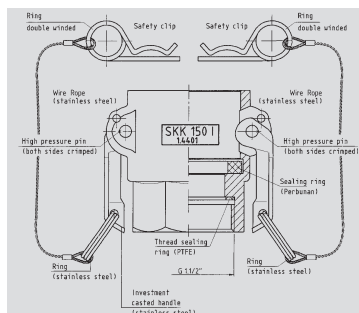
\*Max. Working Pressure 40 bar

\*\*Max. Working Pressure 16 bar



# Drain Adaptor

with 3 Automatic-Run-Out-Valves 3/4" and 2 fixing spears



**Snow Master**  
by LUDECKE



- 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

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!



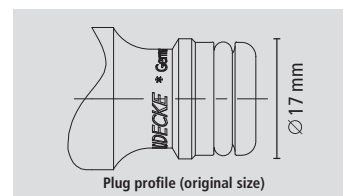
# WaterProfi Quick Connect Couplings

## 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

### 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** by LUDECKE





# 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	5
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water/ lye	5

### Hose Claw Couplings GEKA plus

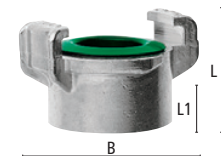
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	50	53.5	28	10	89	GSK 13 SS
Hose i.D. 19	52.5	53.5	32	17	92	GSK 19 SS
Hose i.D. 25	57.5	53.5	37	21.5	117	GSK 25 SS

For hose clips type SLE (☹ page 313), and type HSE (☹ page 316)



### Female Claw Couplings GEKA plus with thread sealing ring

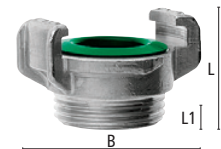
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 f	30.5	53.5	9.5	14	82	GKI 12 SS
G 3/4 f	31.5	53.5	10.5	19	88	GKI 34 SS
G 1 f	32.5	53.5	11	23	100	GKI 10 SS



### 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	5	Weight	Type No.
Water	10.8	33.5	20.5	FKM	-20 – +160	Water	green	65°	10	5	GKVR-N



# ALBA KRAPP Hose Reels, Wall Hose Reels and Wall Hose Holders



## Long Range Water Supply, Secured and Flexible Stowed

ALBA KRAPP 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 KRAPP 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

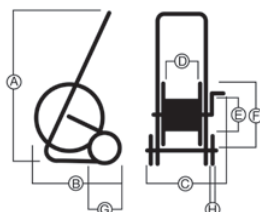
For the Food Industry: Ideal for Cheese Dairies, Creameries, Butcheries, Bakeries, Medical Laboratories, Swimming Pools etc.



- 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	Sp
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



A Total height:	1030 mm	B Reel inside:	229 mm
B Total length:	609.5 mm	F Reel wheel:	555 mm
C Total width:	608 mm	G Wheel-Ø:	200 mm
D Reel width:	296 mm	H 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

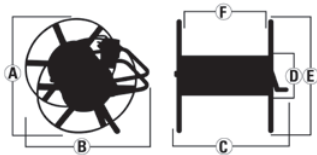
## Materials:

- Wall Hose Reel: Stainless steel electropolished
- Swivelling connector: Brass Cuphin

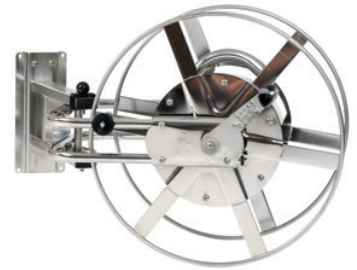


Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 70 m, 5/8" (16 mm) = 60 m, 3/4" (19 mm) = 40 m	Water	1

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

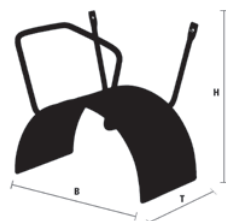
## Materials

- 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





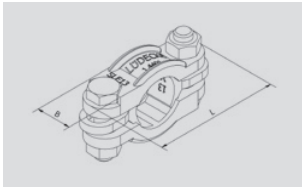
# Hose Clamps

## 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

Hose o.D./								
Version	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	

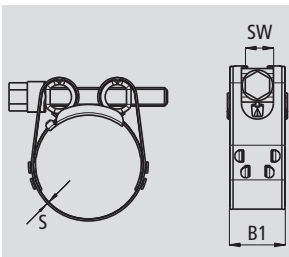
# Heavy Duty Clamps

## 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

		torque		Band width		Band thickness			
Range		SW	Max. Nm.	B1	S		Weight	Type No.	
mm	inch								
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					Weight	Type No.
		B	SW	Max. Nm.	L	H	B1	S	band-thickness		
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.

