



A close-up photograph of a metal rod, likely part of a mechanical assembly. The rod is silver-colored and has a label with the text "511 x 100 x 05" printed on it. The rod is positioned vertically, and the background is a plain, light-colored surface.



Ball Valves



Hose Clamps, Hose Clips
and Ferrules



Table of Contents

Accessories



Ball Valves

308	Ball Valves - Sturdy Version
308	Ball Valves - Light Version
309	Double Ball Valves and Airhammer Ball Valves - Sturdy Version
310	Three Way Ball Valves
311	Hexagon Ball Valves



Hose Clamps, Hose Clips and Ferrules

313	Hose Clamps - Standard Version
314	Hose Clamps - US Version
314	Double-Ear Hose Clips
315	High-Performance Hose Clips made of Steel
316	High-Performance Hose Clips made of Stainless Steel
317	Heavy Duty Clamps 
318	Ferrules for Low Pressure Hose Lines
318	Hand-Operated Assembly Machine

Ball Valves

Sturdy Version made of Brass Nickel-Plated

- High-quality ball valves for air, water, paint, solvents etc.
- Maintenance-free operation, long-living, sturdy and reliable, easy switching with full free passage, tested of tightness
- [For Industry, Construction and Civil Installations](#)

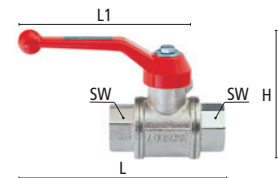
Materials

- Body and Sockets: Brass CW617N sandblasted and nickel-plated
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball: Brass MS 58 chromed
- Ball seals: PTFE
- Spindle seals: FKM
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	DIN 2999	Various	1

Ball Valves with female thread DIN 2999

Thread connection	L	SW	H	L1	Passage	Weight	Type No.
2 x R 1/4 f	50	25	78	95	8	296	KM 14 T
2 x R 3/8 f	60	25	78	95	10	302	KM 38 T
2 x R 1/2 f	75	26	82	95	15	390	KM 12 T
2 x R 3/4 f	80	32	90	104	20	682	KM 34 T
2 x R 1 f	90	39	97	104	25	876	KM 10 T
2 x R 2 f	140	70	170	178	50	3700	KM 20 T



Ball Valves

Light Version made of Brass Nickel-Plated

- Ball Valves with full passage and smaller sizes
- For Construction, Industry, Craftmanship, Agriculture or Civil Installations

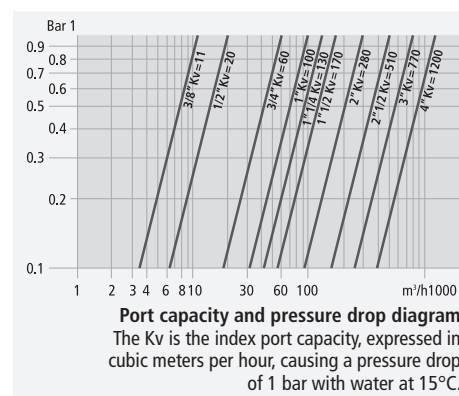
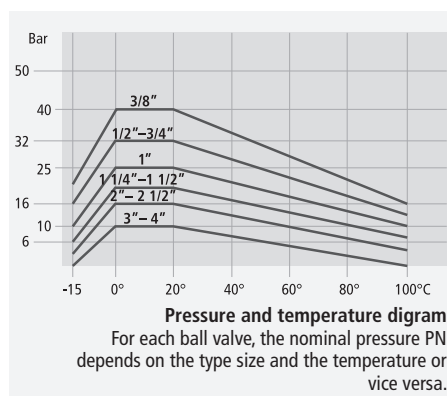
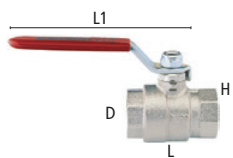
Materials

- Body and Sockets: Forged brass nickel-plated
- Ball: Brass MS 58 chromed
- Spindle seals: FKM
- Spindle and Nut: Brass MS 58 nickel-plated
- Ball seals: PTFE
- Handle: Steel zinc-plated and coated with red PVC

Max. Working Pressure	Temperature	Thread	Passage	Pressure drop	Media	
☉ Diagramm	-15°C – +120°C	ISO 228	☉ Diagram	☉ Diagram	Various	1

Ball Valves with female thread ISO 228

Thread connection	L	H	D	L1	Passage	Weight	Type No.
2 x G 1/4 f	37	41	23	85	8	114	K 14 K
2 x G 3/8 f	42	37	24	85	10	132	K 38 K
2 x G 1/2 f	50	40	30	85	15	180	K 12 K
2 x G 3/4 f	58	48	38	105	20	306	K 34 K
2 x G 1 f	68	52	46	105	25	470	K 10 K
2 x G 1 1/4 f	80	63	58	130	32	813	K 54 K
2 x G 1 1/2 f	93	69	70	130	40	1262	K 15 K
2 x G 2 f	110	83	86	165	50	2100	K 20 K
2 x G 2 1/2 f	133	116	111	260	65	3799	K 25 K
2 x G 3 f	156	127	135	260	80	5625	K 30 K



Double Ball Valves and Airhammer Ball Valves

Sturdy Version made of Brass Plain

- High quality, maintenance free, extremely robust valves made of forging brass
- With lever stop and ventilation, on request also without ventilation
- For compressed air in construction, on compressors and airhammers in the industry

Materials

- Body and Sockets: Brass CW617N
- Spindle and Nut: Brass MS 58 plain
- Ball: Brass MS 58 chromed
- Ball seals: PTFE glass fiber reinforced
- Spindle seals: Buna N
- Handle: Steel red lacquered

Max. Working Pressure	Temperature	Thread	Media	
PN 35 bar	-15°C – +100°C	ISO 228	Compressed air	1

Double Ball Valves

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
2 x G 3/4 m	G 1 f	115	41	105	13	1039	DKH 10
2 x KIGO 34 claw coupling	G 1 f	170	41	130	13	1350	DKH 10 G
2 x KIM 34 claw coupling	G 1 f	170	41	130	13	1435	DKH 10 M

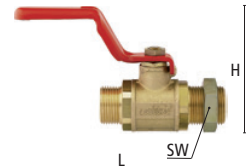
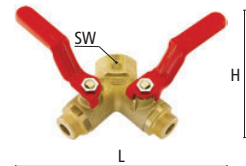
Airhammer Ball Valves, inlet thread with lock nut SW 32, outlet with inside cone 1:4

Connection*	Thread connection**	L	SW	H	Passage	Weight	Type No.
G 3/4 m	G 3/4 m	81	32	82	13	491	BKH 34
KIM 34 claw coupling	G 3/4 m	120	32	82	13	684	BKH 34 M

- On request we produce valves according to your drawings or samples with special connections and seals.
- Also available with T-Handle up to DN 25 e.g. KM 34 TBG
- Please order ball valves used in inspected plants separately, e.g. KM 12 T - AD (after TRB 404)

*Outlet

**Inlet



Three Way Ball Valves

- Robust ball valve made of brass nickel-plated
- For junctions or alternatively switching of air or water lines in industry, construction or civil applications

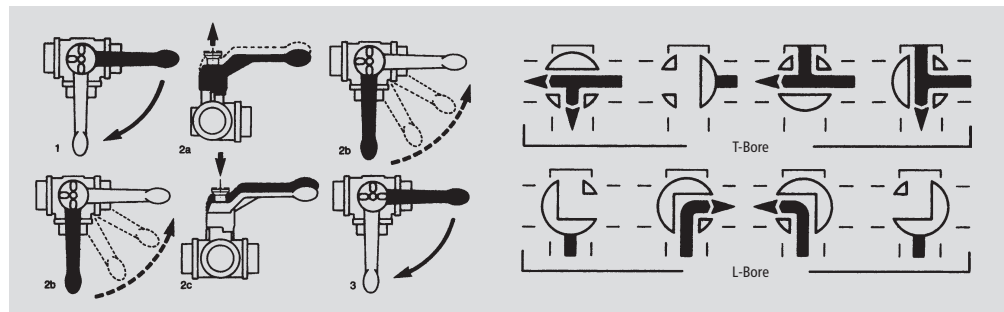
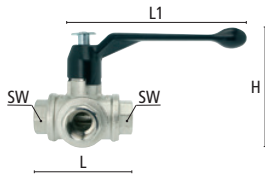
Materials

- Body: Brass MS 58 nickel-plated
- Ball: Brass hard chromed
- Ball seals: PTFE
- Spindle seals: PTFE
- Handle: Aluminium

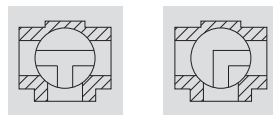
Max. Working Pressure	Temperature	Thread	Media	
PN 16 - 40 bar	-15°C – +100°C	ISO 228	Air / Water	1

Three way ball valves with 3 x female thread

Thread connect.	L	SW	H	L1	Passage	Max. Working Pr.	Weight	Type No./T	Weight	Type No./L
3 x G 1/4 f	71	27	96	130	10	40	713	DWK 14 T	679	DWK 14 L
3 x G 3/8 f	71	27	96	130	13	40	662	DWK 38 T	643	DWK 38 L
3 x G 1/2 f	80	27	96	130	13	40	653	DWK 12 T	637	DWK 12 L
3 x G 3/4 f	96	33	113	160	18	40	1090	DWK 34 T	1100	DWK 34 L
3 x G 1 f	113	40	122	160	23	25	1695	DWK 10 T	1710	DWK 10 L
3 x G 1 1/4 f	130	50	144	195	29	16	2680	DWK 54 T	2660	DWK 54 L
3 x G 1 1/2 f	147	57	154	195	35	16	3660	DWK 15 T	3710	DWK 15 L
3 x G 2 f	169	70	176	235	44	16	5820	DWK 20 T	5880	DWK 20 L



The flow direction can be identified on the marking of the circuit diagram. Position 1 and 3: Switching with ball rotation. Position 2a - 2b - 2c: Switching without ball rotation.



T L
Available with T or L-bore,
please state when ordering

Hexagon Ball Valves

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

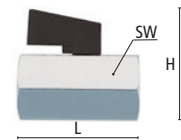
Materials

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

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

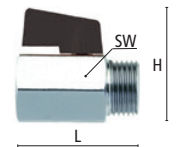
Hexagon Ball Valves with 2 x female thread

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



Hexagon Ball Valves with female/male thread

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





Hose Clamps

Standard Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI) or stainless steel 1.4401
- Robust, easy and secure, for various fittings and applications

Materials

- Clamps, Spacers: Malleable iron zinc-plated and yellow passivated (free of chrome VI)/ Stainless steel 1.4401
- Screws: Galvanized steel/ Stainless steel A4-70

Max. Working Pressure	Norm
PN 16 / 25 bar	DIN 20039 A/B

Hose Clamps, made of malleable iron, two parts with overlapping cast-on-spacers

Hose-o.D./		L	B	Screw size		Weight	Type No.
Version	Range						
Hose i.D. 13	22-29	60	17	M 8x30	10	95	S 22
Hose i.D. 19	27-32	70.5	17	M 8x30	10	105	S 34

Hose Clamps DIN 20039 A, made of stainless steel 1.4401, two parts with loose spacers

Hose-o.D./		L	B	Screw size		Weight	Type No.
Version	Range						
Hose i.D. 13	18-26	63	18	M 8x30	5	140	SLE 13
Hose i.D. 19	26-33	71	18	M 8x30	5	160	SLE 19
Hose i.D. 25	32-40	81	18	M 10x35	5	210	SLE 25

Hose Clamps DIN 20039 A, made of malleable iron, two parts with loose spacers

Hose-o.D./		L	B	Screw size		Weight	Type No.
Version	Range						
Hose i.D. 13	22-29	63	18	M 8x30	10	128	SL 29*
Hose i.D. 19	28-34	71	18	M 8x30	10	134	SL 34*
Hose i.D. 25	32-40	81	18	M 10x35	10	188	SL 40*
Hose i.D. 32	39-49	91	20	M 10x35	10	244	SL 49*
Hose i.D. 38	48-60	108	24	M 10x45	5	297	SL 60*
Hose i.D. 50	56-72	116	25	M 10x50	5	340	SL 72
Hose i.D. 50	60-76	127	25	M 10x50	5	405	SL 76*
Hose i.D. 63	77-94	146	30	M 12x55	5	556	SL 94*
Hose i.D. 75	73-94	139	25	M 12x110	1	665	SL 400
Hose i.D. 75	94-115	176	35	M 12x65	1	739	SL 115
Hose i.D. 89	113-127	170	27	M 12x110	1	890	SL 525
Hose i.D. 89	115-145	198	38	M 12x80	1	1046	SL 145
Hose i.D. 100	127-140	178	28	M 12x110	1	972	SL 550
Hose i.D. 100	135-155	194	27	M 12x110	1	984	SL 600
Hose i.D. 125	155-175	217	30	M 12x125	1	1130	SL 675
Hose i.D. 150	175-195	244	30	M 12x125	1	1445	SL 769
Hose i.D. 175	210-225	280	35	M 16x150	1	2163	SL 875
Hose i.D. 200	227-250	312	35	M 16x150	1	2610	SL 988

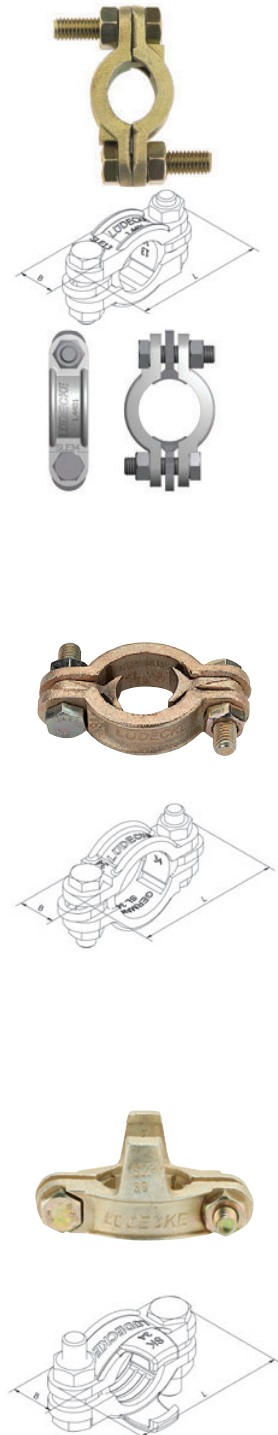
*according to DIN 20039 A

Hose Clamps DIN 20039 B, made of malleable iron, two parts with loose spacers and safety claws***

Hose-o.D./		L	B	Screw size		Weight	Type No.
Version	Range						
Hose i.D. 13	22-29	63	18	M 8x30	10	142	SK 29
Hose 19x2		63	18	M 8x30	10	140	SK 29 FL**
Hose i.D. 19	28-32	77	21	M 10x35	10	220	SK 34
Hose 25x2		77	21	M 10x35	10	220	SK 34 FL**
Hose i.D. 25	35-42	90	22	M 10x35	10	272	SK 39
Hose i.D. 28	42-45	98	24	M 10x35	5	340	SK 44
Hose i.D. 35	45-53	108	25	M 10x45	5	380	SK 51
Hose i.D. 42	55-60	119	26	M 10x45	1	416	SK 60
Hose i.D. 50	60-73	132	30	M 12x55	1	637	SK 73
Hose i.D. 75	86-102	160	28	M 12x55	1	860	SK 75

**for flat hose

***PN 25 bar



Hose Clamps

US Version

- Robust clamps made of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- **Robust, easy and secure, for various fittings and applications**

Materials

- Clamps: Malleable iron, zinc-plated and yellow passivated (free of Chrome VI)
- Screws: Galvanized steel



Max. Working Pressure								
PN 25 bar								
US Version Hose Clamps, two parts with safety claws								
Hose-o.D./								
Version	Range	L	B	Screw size	Screws		Weight	Type No.
Hose i.D. 13	21-27	45	55	M 8x35	2	10	171	LB-4
Hose i.D. 19	30-35	43	65	M 8x45	2	10	176	SKA 34
Hose i.D. 19	30-33	64	70	M 10x50	2	1	405	LBU-9
Hose i.D. 19	33-38	70	71	M 10x50	2	1	413	LB-9
Hose i.D. 19	38-43	68	78	M 10x60	2	1	433	LB-10
Hose i.D. 25	34-45	70	85	M 10x50	2	1	500	SKA 10
Hose i.D. 50	63-70	100	120	M 12x80	4	1	1503	LBU-29

Double-Ear Hose Clips

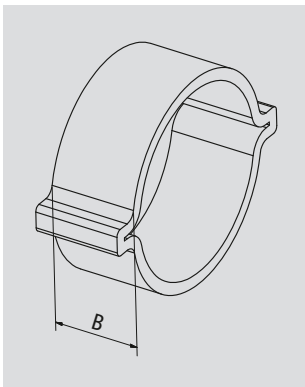
- Clips made of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No risk of injury, closed and unremovable connection
- **Suitable for assembly of many hoses and fittings for use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

Materials

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



100			
Double-Ear Hose Clips			
Hose-o.D./ Range	B	Weight	Type No.
5-7	5.5	1	ZOS 5-7
7-9	6	2	ZOS 7-9
9-11	6	2	ZOS 9-11
11-13	6	3	ZOS 11-13
13-15	7	4	ZOS 13-15
14-17	7.5	4	ZOS 14-17
15-18	8	5	ZOS 15-18
17-20	8	5	ZOS 17-20
19-21	7	5	ZOS 19-21
20-23	9	8	ZOS 20-23
22-25	9	9	ZOS 22-25
23-27	9	9	ZOS 23-27
25-28	9	10	ZOS 25-28
27-31	9	12	ZOS 27-31
31-34	9	13	ZOS 31-34
34-37	9	16	ZOS 34-37
37-40	9	17	ZOS 37-40
40-43	9	18	ZOS 40-43
Special assembly pincer		332	ZOSZ



High-Performance Hose Clips

made of Steel W1 (DIN 3017)

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

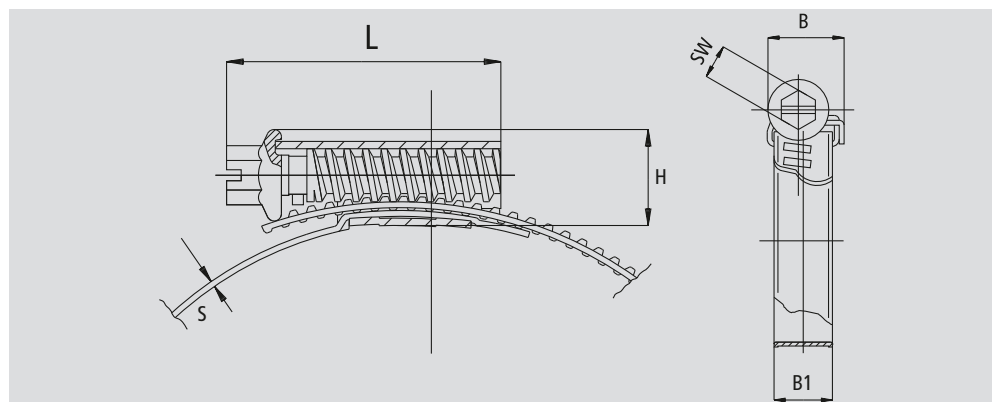
Materials

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

Norm											
DIN 3017											

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

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



High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

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

Materials

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

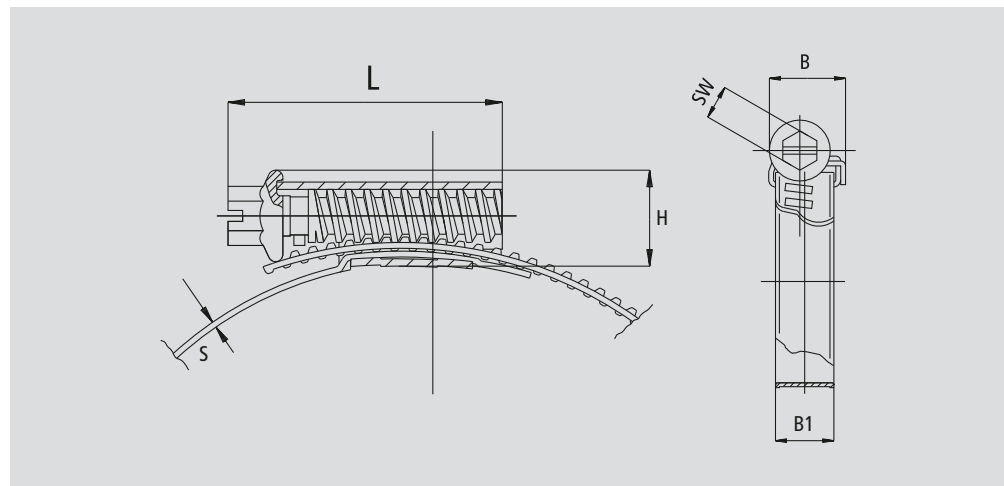
Norm
DIN 3017

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

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



Heavy Duty Clamps

made of Steel (DIN 3017)

NEW!

- 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)

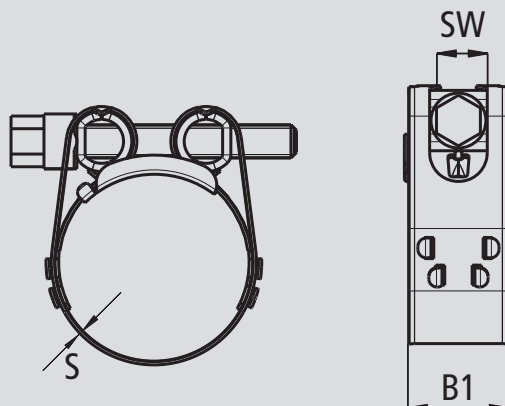
Materials

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

Norm	
DIN 3017	

Heavy Duty Clamps

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

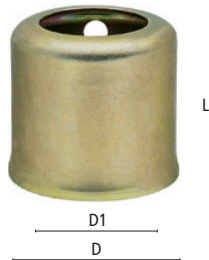


Ferrules for Low Pressure Hose Lines

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

Materials

- Body: redhotted steel, zinc-plated and yellow passivated



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

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

Hand-Operated Assembly Machine for Low Pressure Ferrules

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



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