
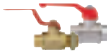































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All prices without VAT. All prices listed are prices per piece. For orders below Euro 50.– net value we charge Euro 6.– minimum order requirement fee. Please note our packing units. We ask for your understanding. New prices valid as from January 2011



Since 1930. The perfect connection.

For more than 80 years we are the competent partner for coupling systems in construction or industry, from our standard program or as special production.

We produce couplings and fittings for various applications in most different branches, distributed world-wide by technical specialized trade partners or used by leading mechanical engineering companies.

The quick connection

We have a quality management system according to ISO 9001-2008 since 1994. Our quality standards find world-wide recognition and meet highest requirements.

We're looking forward to a successful cooperation with you!

LÜDECKE

Since 1930. Coupling Systems Made in Germany



Our sales team provides you with

- technical product advice
- advice for special productions
- application recommendation
- order acceptance
- order processing
- enquiry acceptance

easy by phone, fax or E-mail.



Since 1930. The perfect connection.

Since 1930. The perfect connection.

Founded in **1930** as E.G. Lüdecke KG, the breakthrough for the engineer Emil Georg Lüdecke came with the invention of the today world-wide used claw coupling for compressed air. A simple but brilliant principle of a universal quick coupling system to connect various types of threads or stems through symmetrical coupling heads by turning them 45°.

In **1943** the company at Leipzig was completely destroyed by a bomb attack, the family Lüdecke had to flee to Amberg, where in **1949** they tried a new start. In the beginning production was made in smallest dimensions, but mainly as a result of the fast growing export the production raised rapidly, and so the first plant was built in **1958**. Ten years later this plant was also too small, and so a new plant was built again in...



History

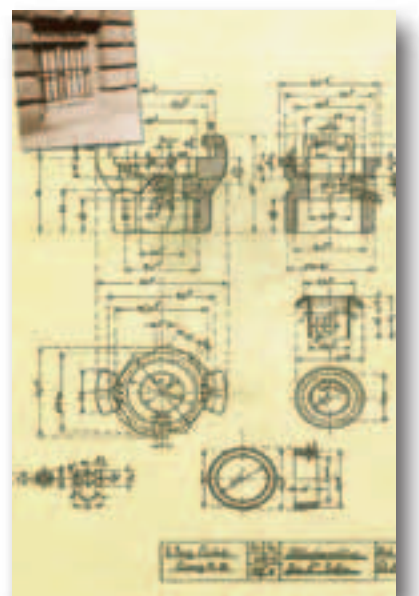
1969, in which, after meanwhile six further extensions, Lüdecke produces and distributes its products today. In **1986** Erwin Bogner, who was the general manager and partly owner since 1955, bought the company completely. Lüdecke is still today a family run company. In **1995** the Lüdecke Armaturen GmbH was founded, which is today responsible for the operative business.

By now, the the production program covers more than 15.000 articles, distributed with more than 200 consignments per day in 120 countries all over the world.

We are the **right contact for coupling-systems** for most different lines of business, media, pressure and temperature areas, for most different applications whether as a standard or special production.



Emil Georg Lüdecke (*01.01.1890 – †31.12.1973)
founder of the Lüdecke Company



Technical drawing
of a Claw coupling in the year 1937

LÜDECKE

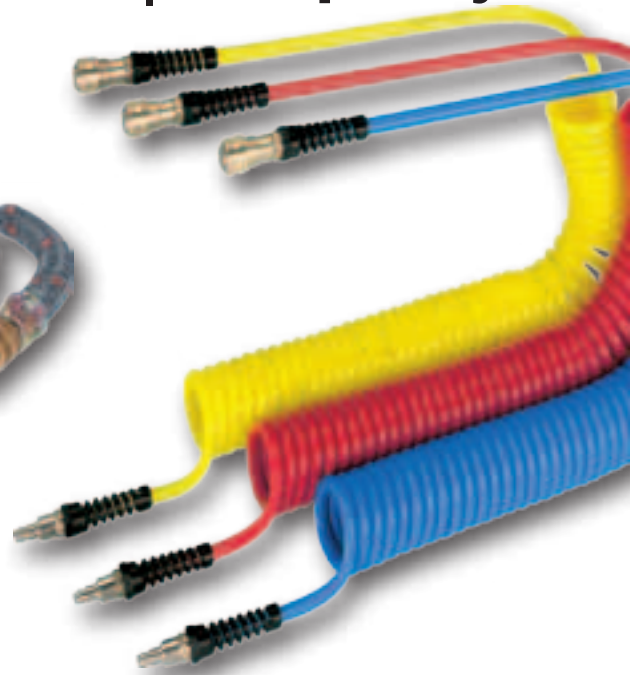
Since 1930. Coupling Systems Made in Germany



LÜDECKE

Continuity as a result of progress and flexibility

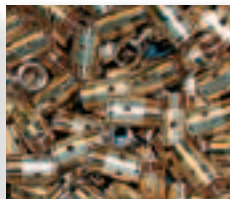
The development | The materials | The quality



The development

Our ideas and our creativity safeguard our lead in the competition. It's our essential aim to develop new products meeting our customers' requirements and to optimize existing products.

We develop coupling systems for most different media, fields of application, temperatures and pressures, such as our new coupling systems for temperature regulation lines.



The materials

High-quality raw materials of reliable suppliers are the basic prerequisite for the production of technically demanding quality products.

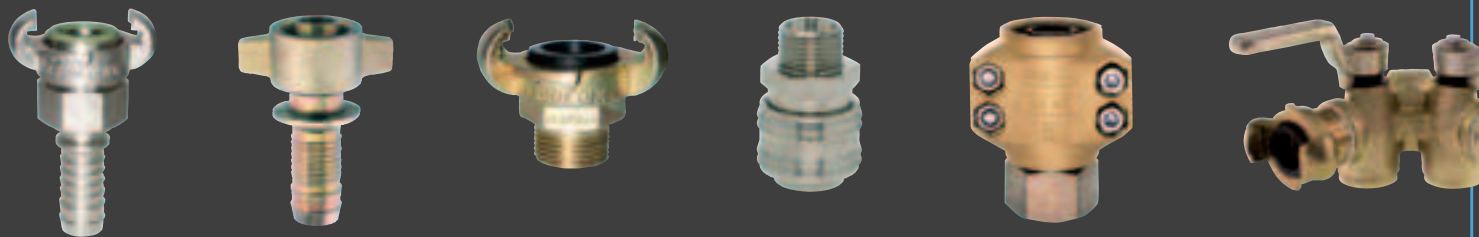
All common metals, such as malleable iron, steel, brass, ECOBRASS®, aluminium or high-grade steels of different qualities are processed as well as polyurethane in our spiral hose production.

The quality

The satisfaction of our customers decides on our future. Our products offer clear advantages and optimum use for the customer, primarily with respect to quality, program breadth, price and delivering ability. Being faster and better has to be proved newly each day. Our quality guidelines guarantee the highest precision, supervised by independent examination institutes.

LÜDECKE

Since 1930. Coupling Systems Made in Germany



Top Quality Made in Germany

Since 1930. Quality as a result of precision.

The production



It requires a high automation level to manufacture competitively in Germany. Computer integrated manufacturing (CIM) from the drawing construction on AutoCAD Inventor 9 up to the automatic quality safeguarding of the CNC production by means of SPC guarantees a maximum amount of productivity – round-the-clock.

All competences in house guarantee speed and flexibility.

Our production disposes about: CNC high-performance turning machines, CNC milling machines, mechanical turning machines, multi spindle chucking automatics, CNC six spindle

Highly qualified and highly motivated employees work with the latest machine technology in our production for a maximum quality level.

turning machines, part washes, electroplating plant, tool engineering, assembly lines, packing machines a.s.o.

A general bar code system from the receipt of raw materials up to the sale of finished goods as well as BDE supervision of all our production stages guarantee a checked and optimized production and material flow.



Logistics System

Perfect service, quick and reliable world-wide

The Logistics

With more than 15.000 sales capable products it can only be ensured to serve our customers reliably, fast and economically by most modern sales- and store software and -technology.

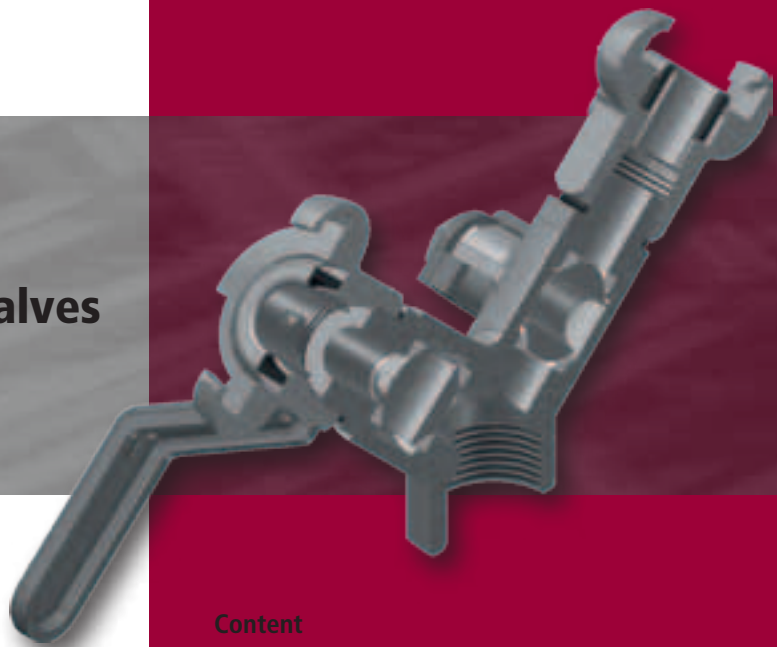


Latest fully automatic high shelf technology, dispatch system integrated, connected directly to company software system guarantees fastest delivery ability.

Exact packing of ordered goods guaranteed by integrated weight control at the predefined part taking. Parallel print and email of all dispatch and delivery papers.



Ball Valves and Throttle Valves



Ball- and Throttle Valves serve as shut-off fittings in pipe-systems for compressed air and other fluids.

Ball valves seal through PTFE-Shells, throttle valves are sealing metal against metal under pressure.

Ball valves are preferred at industrial installations, throttle valves are more suitable under extreme conditions in construction.

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15 Ball Valves

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17 Three-way Ball Valves

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Ball Valves

Heavy design, brass nickel plated

- Ball valves for air, water and many other fluids of high quality and extraordinary standard.
- Maintenance-free operation, long-living, sturdy and reliable, easy switching with full free passage, tested of tightness.

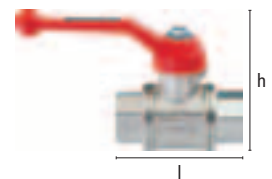
- **For Industry, Construction and civil installations.**

body and sockets:	brass, sandblasted and nickel plated
spindle and nut:	brass
ball:	brass chromed
ball seals:	PTFE
spindle seals:	Viton-O-Ring
handle:	steel resp. aluminium red painted

Max. Working Pressure	Temperature	Material	Sealing Mat.	Medium	Threads	
PN 35 bar	-15°C – +100°C	brass	PTFE / Viton	air, water ...	DIN 2999	1

Ball Valves with female thread DIN 2999

Thread	DN	l	h	Lenght Handle	⊙Hexagon	Weight/pc. g	Type No.
R 1/4"	8	50	78	95	25	296	KM 14 T
R 3/8"	10	60	78	95	25	302	KM 38 T
R 1/2"	15	75	82	95	26	390	KM 12 T
R 3/4"	20	80	90	104	32	682	KM 34 T
R 1"	25	90	97	104	39	876	KM 10 T
R 1 1/4"	32	110	137	161	50	1667	KM 54 T
R 2"	50	140	170	178	70	3700	KM 20 T



Double Ball Valves and Airhammer Ball Valves

- High quality, maintenance free valves of brass, extremely robust.
- With lever stop and exhaust, on request also without exhaust.
- **For compressed air in construction, on compressors and airhammers.**
- **For industrial applications.**

body and threaded ends:	brass
ball seals:	PTFE
spindle seals:	Perbunan
ball:	brass nickel plated
handle:	steel

Max. Working Pressure	Temperature	Material	Mat. Seals	Medium	Threads	
PN 35 bar	-15°C – +100°C	brass	PTFE / Perbunan	compressed air	ISO 228	1

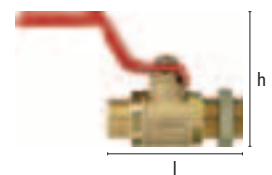
Double Ball Valves

Adjunction	Inlet	DN	l	h	⊙Hexagon	Weight/pc. g	Type No.
2 x G 3/4" male	G 1" female	13	115	105	41	1039	DKH 10
2 x KIGO 34	G 1" female	13	170	130	41	1350	DKH 10 G
2 x KIM 34	G 1" female	13	170	130	41	1435	DKH 10 M
2 x KIG 34-DR	G 1" female	13	215	150	41	1704	DKH 10 DR



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

Adjunction	Inlet	DN	l	h	⊙Hexagon	Weight/pc. g	Type No.
G 3/4" male	G 3/4" male	13	81	82	32	491	BKH 34
KIGO 34	G 3/4" male	13	120	82	32	640	BKH 34 G
KIM 34	G 3/4" male	13	120	82	32	684	BKH 34 M
KIG 34-DR	G 3/4" male	13	135	82	32	823	BKH 34 DR



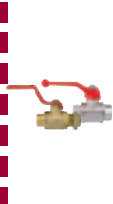
- On request we produce valves according to your drawings or samples with special adjunctions and gaskets.
- Also available with T-Handle up to DN 25, e.g. KM 34 TBG
- Please order ball valves used in inspected plants separately, e.g. KM 12 T-AD

Ball Valves

Light design, brass nickel plated

- Ball Valves with full free passage, reduced dimensions.
- For Construction, Industry, Agriculture and civil installations.

body and sockets:	brass
spindle and nut:	brass
ball:	brass chromed
ball seals:	PTFE
spindle seals:	Viton-O-Ring
handle:	Steel coated with PVC
adhesive:	Loctite AVX 586



Max. Working Pressure	Temperature	Material	Sealing Mat.	Medium	Threads	Port Capacity	Pressure Drop	
⊕ Diagram	-15°C – +120°C	brass	PTFE / Viton	air, water ...	ISO 228	⊕ Diagram	⊕ Diagram	1

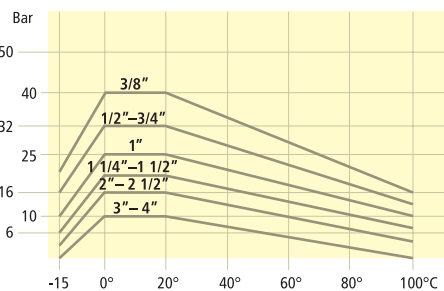
Ball Valves with female thread ISO 228

Thread	DN	l	h	Length handle	∅ Body	Weight/pc. g	Type No.
G 1/4"	8	37	41	85	23	114	K 14 K
G 3/8"	10	42	37	85	24	132	K 38 K
G 1/2"	15	50	40	85	30	180	K 12 K
G 3/4"	20	58	48	105	38	306	K 34 K
G 1"	25	68	52	105	46	470	K 10 K
G 1 1/4"	32	80	63	130	58	813	K 54 K
G 1 1/2"	40	93	69	130	70	1262	K 15 K
G 2"	50	110	83	165	86	2100	K 20 K
G 2 1/2"	65	133	116	260	111	3799	K 25 K
G 3"	80	156	127	260	135	5625	K 30 K



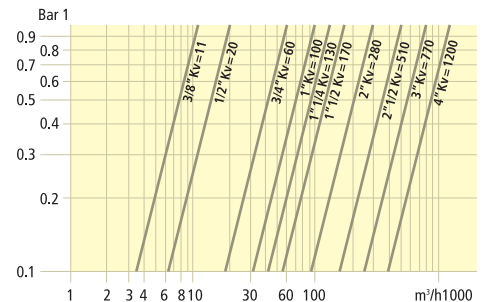
Pressure and temperature diagram

For each size of valve at each pressure level corresponds a specific admissible temperature level and viceversa.



Port capacity and pressure drop diagram

The Kv is the index port capacity, expressed in cubic meters per hour, causing a pressure drop of 1 bar with water at 15°C.



Three Way Ball Valves

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

body: brass, nickel plated
 handle: aluminium
 ball: brass, hard chromed
 ball seals: PTFE
 spindle seals: Viton

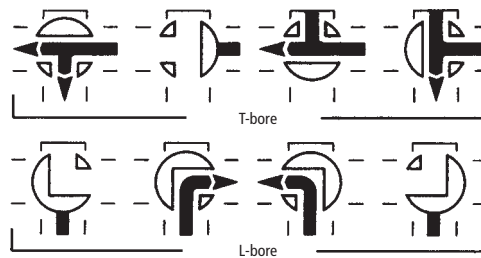
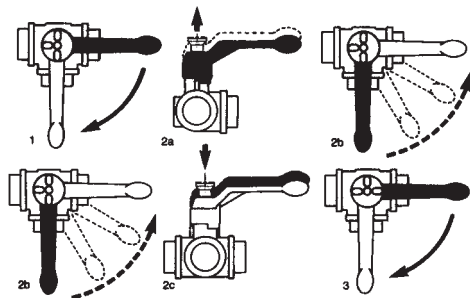
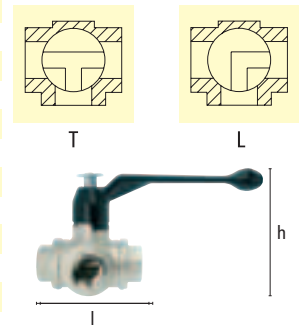


Max. Working Pressure	Temperature	Material	Mat. Seals	Medium	Threads	☞
☉ below	-15°C – +100°C	brass nickel plated	PTFE / Viton	air / water	ISO 228	1

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

Three-way ball valves with 3 x female thread

Thread	DN	PN	l	h	Length		Weight/		Weight/	
					handle	Hexagon	pc. g	Type No./T	pc. g	Type No./L
G 1/4"	10	40	71	96	130	27	713	DWK 14 T	679	DWK 14 L
G 3/8"	13	40	71	96	130	27	662	DWK 38 T	643	DWK 38 L
G 1/2"	13	40	80	96	130	27	653	DWK 12 T	637	DWK 12 L
G 3/4"	18	40	96	113	160	33	1090	DWK 34 T	1100	DWK 34 L
G 1"	23	25	113	122	160	40	1695	DWK 10 T	1710	DWK 10 L
G 1 1/4"	29	16	130	144	195	50	2680	DWK 54 T	2660	DWK 54 L
G 1 1/2"	35	16	147	154	195	57	3660	DWK 15 T	3710	DWK 15 L
G 2"	44	16	169	176	235	70	5820	DWK 20 T	5880	DWK 20 L



Flow direction diagram of T- and L-bore.

Position 1 and 3:
Switching with ball rotation.

Positions 2a – 2b – 2c:
Switching without ball rotation.

Hexagon Ball Valves

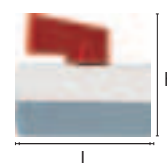
- Miniatur ball valves of brass, nickel plated
- For pneumatic or water installations in industry, construction or civil applications

body: brass, nickel plated
 ball: brass, chromed
 handle: plastic
 seals: PTFE

Max. Working Pressure	Temperature	Material	Mat. Seals	Medium	Threads	☞
PN 10 bar	-10°C – +90°C	brass nickel plated	PTFE	air / water	ISO 228	10

Hexagon Ball Valves with 2 x female thread

Thread	DN	l	h	Hexagon	Weight/pc. g	Type No.
G 1/4"	5.5	36	38	19	71	KM 14 TS
G 3/8"	8	41	38	21	86	KM 38 TS
G 1/2"	10	48	42	25	137	KM 12 TS



Hexagon Ball Valves with female/male thread

Thread	DN	l	h	Hexagon	Weight/pc. g	Type No.
G 1/4"	5.5	36	38	19	61	KMZ 14 TS
G 3/8"	8	41	38	21	83	KMZ 38 TS
G 1/2"	10	48	42	25	130	KMZ 12 TS



Throttle Valves

Standard Execution

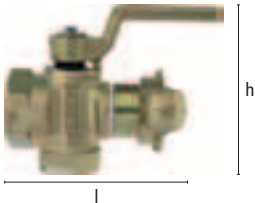
New!

- Extremely robust valves of malleable iron, zinc plated and yellow passivated (free of chromeVI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With threads or claw couplings with rubber or brass seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools

Max. Working Pressure	Temperature	Material	Medium	Threads	Claw Distance	DIN	
PN 10 bar	-15°C – +80°C	malleable iron	compressed air	ISO 228	42 mm	© below	1

Single Valves DIN 3486 with lever stop and exhaust

Inlet	Outlet	DN	h	l	Hexagon	Weight/pc. g	Type No.
1 G 1/2" f	G 3/4" m	15	100	77	41	660	EH 12
1 G 3/4" f	G 3/4" m	17	100	70	41	610	EH 34
1 G 1" f	G 3/4" m	17	100	70	41	565	EH 10
2 G 1/2" f	KIGO 34	15	100	112	41	819	EHG 12
2 G 3/4" f	KIGO 34	17	100	100	41	761	EHG 34
2 G 1" f	KIGO 34	17	100	100	41	726	EHG 10
3 G 1/2" f	KIM 34	15	100	122	41	859	EHM 12
3 G 3/4" f	KIM 34	17	100	115	41	808	EHM 34
3 G 1" f	KIM 34	17	100	115	41	759	EHM 10
swivelling G 3/4" f	KIG 34-DR	17	100	130	41	943	EHG 34-DR



Double Valves DIN 3487 with lever stop and exhaust

Inlet	Outlet	DN	h	l	Hexagon	Weight/pc. g	Type No.
1 G 3/4" f	2 x G 3/4" m	17	100	110	41	1146	DH 34
1 G 1" f	2 x G 3/4" m	17	100	110	41	1100	DH 10
2 G 3/4" f	2 x KIGO 34	17	100	170	41	1466	DHG 34
2 G 1" f	2 x KIGO 34	17	100	170	41	1438	DHG 10
3 G 3/4" f	2 x KIM 34	17	100	180	41	1545	DHM 34
3 G 1" f	2 x KIM 34	17	100	180	41	1503	DHM 10
swivelling G 3/4" f	2 x KIG 34-DR	17	100	225	41	1816	DHG 34-DR



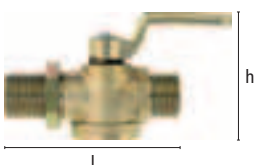
Straight Way Valves without lever stop, without exhaust, on request with exhaust

Inlet	Outlet	DN	h	l	Hexagon	Weight/pc. g	Type No.
G 1/2" f	G 1/2" f	13	96	80	37	700	DU 12
G 3/4" f	G 3/4" f	16	96	92	41	820	DU 34
G 1" f	G 1" f	16	96	92	41	770	DUL 10
G 1" f	G 1" f	20	125	87	43	1012	DUS 10



Airhammer Valves DIN 20030 without lever stop, without exhaust, inlet thread with lock nut

Inlet	Outlet	DN	h	l	Hexagon	Weight/pc. g	Type No.
G 3/4" m	G 3/4" m, Cone 1 : 4	13	85	110	32	632	BH 343
G 3/4" m	Rd 32 x 1/8" m, Cone 1 : 3	13	95	140	32	773	BH 3486
G 1" m	G 1" m, Cone 1 : 3	16	95	120	36	848	BH 106
G 1" m	Rd 32 x 1/8" m, Cone 1 : 3	16	95	120	36	834	BH 326



Throttle Valves

US-Execution

New!

- Extremely robust valves of malleable iron, zinc plated and yellow passivated (free of chromeVI)
- With brass throttle and handle of malleable iron
- Self sealing, under pressure the conical throttle is pressed against the body, so the valve gets tight, therefore no wear of seals
- With NTP-threads or claw couplings US-Type with rubber seal
- When switching off pressure drop through exhaust from outlet side, therefore easy and safe coupling
- For compressed air in construction, on compressors, hose lines and air tools



Max. Working Pressure	Temperature	Material	Medium	Threads	Claw Distance	⊗
PN 10 bar	-15°C – +80°C	malleable iron	compressed air	NPT	41 mm	1

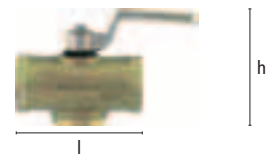
US-Double Valves with lever stop and exhaust

Inlet/female	Outlet/male	DN	h	l	⊙Hexagon	Weight/pc. g	Type No.
① 3/4" f NPT	2 x 3/4" m NPT	17	100	120	41	1170	DHA 34
② 1" f NPT	2 x 3/4" m NPT	17	100	120	41	1130	DHA 10
③ 3/4" f NPT	2 x KIA 34	17	100	205	41	1570	DHGA 34
④ 1" f NPT	2 x KIA 34	17	100	205	41	1530	DHGA 10



US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust

Inlet/female	Outlet/female	DN	h	l	⊙Hexagon	Weight/pc. g	Type No.
1/2" f NPT	1/2" f NPT	13	80	80	32	530	ADI 12
3/4" f NPT	3/4" f NPT	16	96	95	41	905	ADI 34
1" f NPT	1" f NPT	16	96	95	41	850	ADI 10



US-Straight-Way Valves without lever stop, without exhaust, on request with exhaust

Inlet/male	Outlet/male	DN	h	l	⊙Hexagon	Weight/pc. g	Type No.
1/2" m NPT	1/2" m NPT	13	80	85	25	430	ADA 12
3/4" m NPT	3/4" m NPT	16	96	95	37	700	ADA 34
1" m NPT	1" m NPT	16	96	95	37	750	ADA 10



- ① without coupling
- ② with coupling
- ③ coupling with rubber seal
- ④ coupling with brass seal



Claw Couplings are a symmetric quick coupling system with two claws each, which are connected by simultaneously applying force and rotating the two claws to be 45° apart.

All connections and sealing systems have the same head dimensions, therefore all types are always interchangeable.

The recommended combination is a standard coupling with a MODY-coupling as the counter part (easy to couple, 100 % tight, absolutely safe).

It is very important to use always couplings made of malleable iron, which is as a result of its special heat treatment suitable for thin-walled parts and which is the only recommended casting material according to DIN 3489 and 3238

Claw Couplings



Content

- 21 Swivelling Claw Couplings DIN 3489
- 22 Standard Execution Claw Couplings DIN 3489
- 24 MODY-Screwing Claw Couplings DIN 3238
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- 29 Claw Couplings with bore for safety clips
- 30 Left-closing and coloured Claw Couplings
- 31 Claw Couplings of hardened steel
- 32 Claw Couplings of stainless steel 1.4401
DIN 3489 and DIN 3238
- 34 Claw Couplings of brass MS 58
- 35 US-Claw Couplings with bore for safety clips

Swivelling Claw Couplings

DIN 3489

New!

- High quality couplings, head of malleable iron, hose stem of turned steel with special profile, zinc plated and yellow passivated (free of chrome VI)
- 360° swivelling, easy turning under pressure, therefore no hose twist
- 2 parts, sealing through 2 O-Rings, swivelling on 2 teflon-discs, safe and protected
- 100 % tight through machined gasket seat, standard rubber ring can be used
- Full bore for increased flow capacity
- On request with steam resistant rubber ring against extra charge
- 100 % couple test and sight control
- For flexibility of compressed air lines in construction and industry, if used as thread coupling assembled at the tool up to 10 times higher durability compared to rigid standard couplings! The swivel principle absorbs all vibrations!



Max. Working Pressure	Temperature	Material	Mat. Seals	Norm	Medium	Threads	Claw Distance	⊕
PN 16 bar	-40°C – +95°C	malleable iron / steel	Perbunan	DIN 3489	compressed air	ISO 228	42 mm	5

Hose Claw Couplings Standard Execution

Hose i.D.	DN	b	h	stem Length	Weight/pc. g	Type No.
1/2" = 13 mm	10	63	87	41	221	SKG 13-DR
3/4" = 19 mm	15	63	87	41	230	SKG 19-DR
1" = 25 mm	19	63	87	41	260	SKG 25-DR

For hose clamps DIN 20039 A type SL (© catalogue page 47) or crimping sockets type LPH (© catalogue page 51)

Hose Claw Couplings with safety collar

Hose i.D.	DN	b	h	∅ collar	stem Length	Weight/pc. g	Type No.
1/2" = 13 mm	10	63	96	24	41	236	SKB 13-DR
3/4" = 19 mm	15	63	98	34	41	250	SKB 19-DR
1" = 25 mm	19	63	98	39	41	290	SKB 25-DR

For hose clamps DIN 20039 B type SK (© catalogue page 47)

Female Claw Couplings

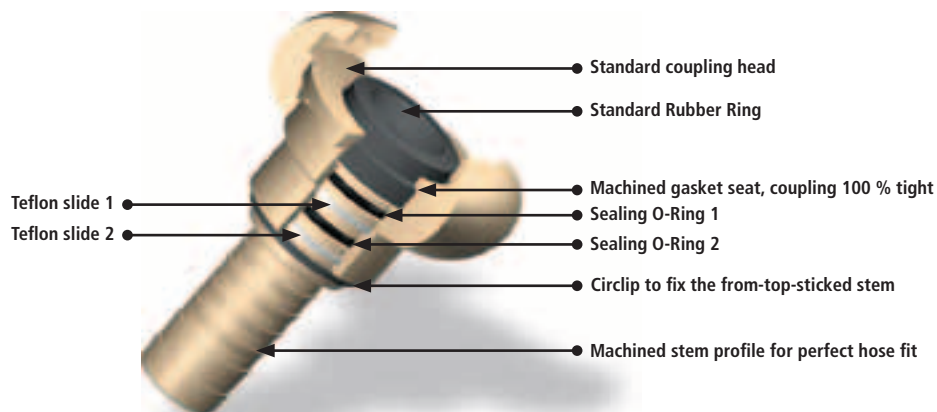
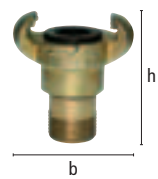
Thread	DN	b	h	Thread Length	Weight/pc. g	Hexagon	Type No.
G 1/2"	17	63	61	15	240	24	KIG 12-DR
G 3/4"	17	63	85	15	330	32	KIG 34-DR
G 1"	17	63	90	15	430	41	KIG 10-DR

Male Claw Couplings

Thread	DN	b	h	Thread Length	Weight/pc. g	Hexagon	Type No.
G 1/2"	13	63	67	14	240	24	KAG 12-DR
G 3/4"	17	63	68	15	236	24	KAG 34-DR
G 1"	19	63	83	15	315	36	KAG 10-DR

Original Rubber Rings

Resistance	Temp.°C	Medium	Material	Colour	Shore hard.	A	∅i	∅a	h	Weight/pc. g	⊕	Type No.
Oil	-40 – +95	compr. air	Perbunan	black	65°		20	34	11	6 g	100	GOER
Steam	-40 – +200	steam	Ohasil	nature	60°		20	33	10	6 g	10	GDOR



Claw Couplings

Standard Execution DIN 3489

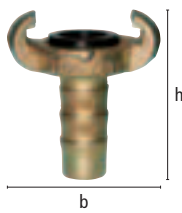
New!

- Robust couplings of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against extra charge
- Universal coupling, world-wide used system for compressed air in construction and industry



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Norm	Mat. Seal	Threads	
PN 10 bar	-40°C – +95°C	malleable iron	compressed air	42 mm	DIN 3489	Perbunan	ISO 228	10

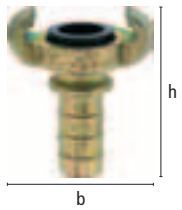
Hose Claw Couplings (formerly DIN 3483)



Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/4" = 6 mm	5	63	70	157	SKG 6
3/8" = 10 mm	7	63	76	150	SKG 10
1/2" = 13 mm	8.5	63	69	141	SKG 13
5/8" = 15 mm	11	63	69	142	SKG 15
3/4" = 19 mm	15	63	69	155	SKG 19
1" = 25 mm	19	63	70	176	SKG 25
1 1/4" = 32 mm	20	63	90	244	SKG 32

For hose clamps DIN 20039 A type SL (☺ catalogue page 47) or crimping sockets type LPH (☺ catalogue page 51)

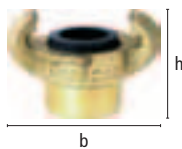
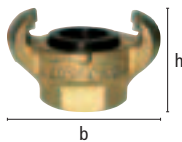
Hose Claw Couplings with safety collar



Hose i.D.	DN	b	h	∅ collar	Weight/pc. g	Type No.
1/2" = 13 mm	8.5	63	75	25	174	SKB 13
5/8" = 15 mm	11	63	75	26	175	SKB 15
3/4" = 19 mm	15	63	75	28.5	182	SKB 19
1" = 25 mm	20	63	75	40	240	SKB 25

For hose clamps DIN 20039 B, type SK (☺ catalogue page 47), safe hose assembly.

Female Claw Couplings (formerly DIN 3482)

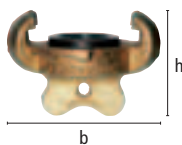


Thread	DN	b	h	∅Hexagon	Weight/pc. g	Type No.
G 1/4"	11	63	36	22	138	KIG 14
G 3/8"	15	63	36	22	135	KIG 38
G 1/2"	19	63	38	27	150	KIG 12
G 1/2"	19	63	41	-	180	KIGO 12**
G 3/4"	20	63	40	32	155	KIG 34*
G 3/4"	20	63	41	-	155	KIGO 34**
G 1"	20	63	40	41	184	KIG 10*
G 1 1/4"	20	63	55	50	297	KIG 54

* against surcharge also available with NPT-Thread

** without Hexagon

Blank Ends (formerly DIN 3484)



Execution	b	h	Weight/pc. g	Type No.
without chain	63	43	130	VKO
with chain	63	43	140	VKM
chain (spare part)			7	VKM-K

Claw Couplings

Standard Execution DIN 3489



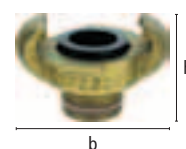
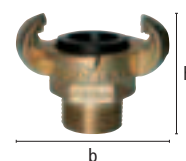
Male Claw Couplings (formerly DIN 3481)

Thread	DN	b	h	Hexagon	Weight/pc. g	Type No.
G 1/4"	6	63	50	22	157	KAG 14
G 3/8"	9	63	52	27	170	KAG 38
G 1/2"	13	63	47	27	162	KAG 12*
G 3/4"	17	63	50	32	175	KAG 34*
G 3/4"	17	63	41	-	150	KAGO 34**
G 1"	20	63	47	40	174	KAG 10*
G 1"	20	63	41	-	165	KAGO 10**
G 1 1/4"	20	63	52	46	230	KAG 54

Easy male thread sealing with PVC-Packing rings type HPD (© below)

* against surcharge also available with NPT-Thread

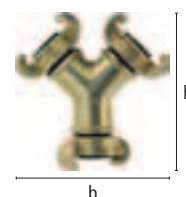
**without Hexagon, with LÜDSY-sealing ring



Max. Working Pressure	Temperature	Material	Medium	Threads	Claw Distance	Mat. Seals	⊕
PN 10 bar	-40°C – +95°C	malleable iron	compressed air	DIN 2999	42 mm	Perbunan	1

Three-way connections with threaded ends or claw couplings (rubber seal)

Connection	DN	b	h	Weight/pc. g	Type No.
3 x R 3/4" f	24	68	68	255	DWS 34
3 x KAGO 34	17	120	120	708	DWSG 34
3 x R 1" f	30	85	85	413	DWS 10
3 x KAGO 10	21	130	135	905	DWSG 10



Original Rubber Rings for Standard Claw Couplings DIN 3489

Resistance	Material	Temp. °C	Medium	Colour	Shore	h. A	⊘i	⊘a	h	Weight/pc. g	⊕	Type No.
Oil	Perbunan	-40 – +95	compr. air	black	65°	20	34	11	6	100		GOER
Steam	Ohasil	-40 – +200	steam	nature	60°	20	33	10	6	10		GDOR
Chemicals	Viton	-40 + 200	chemical	green	60°	20	34	10.5	9	10		GVOR



Hard-PVC-Packing Rings for fast, easy and tight sealing of male threads

For male thread	⊘i	⊘a	h	⊕	Weight/pc. g	Type No.
G 1/8"	10	13	1.5	100	0.13	HPD 18
G 1/4"	13.3	16.4	2	100	0.31	HPD 14
G 3/8"	16.7	21.5	2	100	0.37	HPD 38
G 1/2"	21.5	26	2	100	0.53	HPD 12
G 3/4"	26.5	31.4	2	100	0.73	HPD 34
G 1"	33.5	40	2	100	1.15	HPD 10



Claw Couplings

MODY-Screwing Couplings DIN 3238

- High quality safety coupling, head of malleable iron, hose stem of turned steel with special profile, zinc plated and yellow passivated (free of chrome VI)
- Stronger thread - protective ring and new rubber ring, on both sides led in gasket seat
- With oil resistant rubber ring, on request with steam resistant rubber ring (up to 200°C), against extra charge
- 100 % tight, reduces expensive air consumption
- Easy to couple, secured against accidental opening, just screw ring after coupling!
- 100 % couple test and sight control
- Maximum bore for more flow capacity
- For absolutely safe air lines in construction and industry

New!



Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	DIN	Threads	Claw Distance	⊕
PN 16 bar	-40°C – +95°C	mall. iron / steel	Perbunan	compr. air	DIN 3238	ISO 228	42 mm	5

MODY-Hose Couplings Standard execution

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
3/8" = 10 mm	6.5	63	100	309	SSG 10
1/2" = 13 mm	10	63	100	309	SSG 13
5/8" = 15 mm	11	63	100	316	SSG 15
3/4" = 19 mm	15	63	100	319	SSG 19
1" = 25 mm	18	63	100	346	SSG 25
1 1/4" = 32 mm	18	63	135	464	SSG 32

For hose clamps DIN 20039 A type SL (⊕ catalogue page 47) or crimping sockets type LPH (⊕ catalogue page 51)



MODY-Hose Couplings with safety collar

Hose i.D.	DN	∅collar	b	h	Weight/pc. g	Type No.
3/8" = 10 mm	6.5	21	63	103	323	SSG 10 S
1/2" = 13 mm	10	24	63	110	321	SSG 13 S
5/8" = 15 mm	11	27	63	112	343	SSG 15 S
3/4" = 19 mm	15	32	63	112	350	SSG 19 S
1" = 25 mm	18	39	63	112	386	SSG 25 S

For hose clamps DIN 20039 B type SK (⊕ catalogue page 47)



MODY-Hose Couplings for crimping sockets (hydraulic crimping)

Hose i.D.	DN	∅collar	b	h	Weight/pc. g	Type No.
3/4" = 19 mm	15	24	63	108	359	SSG 19 PH

Crimping with crimping socket PH-19 (⊕ catalogue page 59)

Other sizes on request



MODY-Hose Couplings for Aluminium forged clamps

Hose i.D.	DN	∅collar	b	h	Weight/pc. g	Type No.
3/4" = 19 mm	15	26	63	110	340	SSG 19-KSA

For aluminium forged clamps VG 85 328 type KSA 30-33 (⊕ catalogue page 71)



MODY-Hose Couplings with brass safety clamp for steam applications

For Hose	DN	Mat. sealing ring	b	h	Weight/pc. g	Type No.
13 x 6 (1/2")	10	Ohasil (SDOR-N)	63	113	820	SSG 13 KSM
19 x 7 (3/4")	15	Ohasil (SDOR-N)	63	113	920	SSG 19 KSM
25 x 7.5 (1")	18	Ohasil (SDOR-N)	63	113	1120	SSG 25 KSM

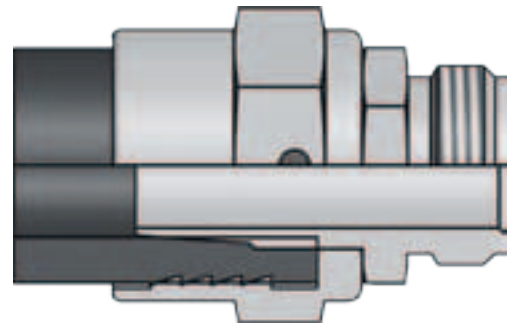


Claw Couplings MODY-Screwing Couplings DIN 3238

New!

- Thread ferrule according to DIN EN 14 424 as the perfect hose connection for optimum security; at any time unlockable and reusable.

Please pay attention to the details for the essential hose wall thickness!

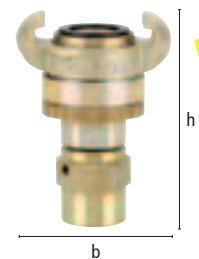


MODY-Hose Couplings with thread ferrule (according to DIN EN 14 424)

Hose Dimension	DN	b	h	∅ferrule	Weight/pc. g	Type No.
1/2" = 13 x 3	11	63	92	27	400	SSG 133 TQ
1/2" = 13 x 5	11	63	92	27	405	SSG 135 TQ
5/8" = 15 x 5	13	63	95	32	415	SSG 155 TQ
3/4" = 19 x 5	16	63	95	32	435	SSG 195 TQ
3/4" = 19 x 6	16	63	95	36	440	SSG 196 TQ
1" = 25 x 5	22	63	105	41	510	SSG 255 TQ
1" = 25 x 7	22	63	105	46	520	SSG 257 TQ

(Size 1" two parts screwed)

Assembly instructions for thread ferrules (© catalogue page 182)

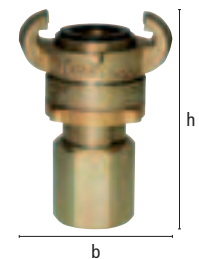


New!

MODY-female Couplings

Thread	DN	b	h	∅Hexagon	Weight/pc. g	Type No.
G 3/8"	13	63	68	24	347	SSGI 38
G 1/2"	17	63	70	24	329	SSGI 12
G 3/4"	17	63	93	32	419	SSGI 34
G 1"	17	63	95	41	516	SSGI 10

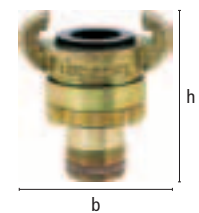
On request also available with NPT thread against extra charge



MODY-Male Couplings with LÜDSY-sealing system

Thread	DN	b	h	∅Hexagon	Weight/pc. g	Type No.
G 3/8"	10	63	72	24	320	SSGA 38
G 1/2"	13	63	73	24	351	SSGA 12
G 3/4"	17	63	73	24	345	SSGA 34
R 1"	17	63	85	36	401	SSGA 10

On request also available with NPT thread against extra charge



Original MODY-Rubber Rings – Standard Execution

Resistance	Material	Temp.°C	Medium	Colour	Shore	h	A	∅i	∅a	h	Weight/pc. g	∅	Type No.
Oil	Perbunan	-40 – +95	compr. air	black	75°	21	30	4	1.7	100	SGOR-N		
Steam	Ohasil	-40 – +200	steam	nature	75°	21	30	4	1.7	10	SDOR-N		



Original MODY-Rubber Rings – Old Execution (Only suitable for MODY-Couplings with old gasket seat!)

Resistance	Material	Temp.°C	Medium	Colour	Shore	h	A	∅i	∅a	h	Weight/pc. g	∅	Type No.
Oil	Perbunan	-40 – +95	compr. air	black	60°	21	33	7	4	100	SGOR		
Steam	Ohasil	-40 – +200	steam	nature	70°	21	33	7	3.5	10	SDOR		



All Types also available coloured (powder-coated) against extra charge.

RAL 5010
 RAL 6029
 RAL 1004
 RAL 2002
 ...Others on request

Ⓢ Attention: At least 100 pc/type necessary!

LUDECKE – Information regarding the new Standards

In exchange for DIN 3238-1, 3238-2 now exists only

DIN
3238 R2,5

This Standard covers:

MODY-Screwing Couplings made of malleable iron / steel:

Sealing rings



New!



MODY-Screwing Couplings made of stainless steel

Sealing ring



DIN
3238



New sealing ring, lead on both sides in new gasket seat

Special requirements

- Threads according to **DIN-ISO 228/1**
- Claw couplings and sealing rings corresponding to this standard **have to be marked with manufacturers name!**
- Working pressure **max. 16 bar**
- **100 % sight control** required
- **100 % couple test** with test gauge required.
- **Certified material:**
Malleable Iron: EN-GJMW-400-5(EN-JM1030) according to DIN EN 1562
M1-Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
Steel: Type to be chosen by manufacturers 11SMnPb30 (1.0718) according to DIN EN 10087 · 11SMnPb30 (1.0718) according to DIN EN 10277-3
X5CrNi Mo 17-12-2 (1.4401) according to DIN EN 10088-1 · G-X5CrNiMo 19-11-2 (1.4408) according to DIN EN 10213-4
G-X5CrNiMoNb 19-11-12 (1.4581) according to DIN EN 10213-4
- New claw dimensions
- New sealing ring
- New gasket seat to lead sealing ring on both sides

Warning!

Compressed air can be a dangerous medium that requires strict safety rules while handling which have to be observed to avoid serious accidents. Today on the coupling market asian low-price copies often appear, made of low-grade and not certified material, in most cases inferior casted and machined. The use of these couplings hides an uncalculable safety risk. No secure hose fit can be guaranteed, as a result of big

tolerances a lot of these couplings are very hard to couple or even can not be coupled, threads are not true to gauge. Very often claws, thread ends and gasket seats are melted out, claw distances are too big or have offset lugs. Moreover these couplings are mainly casted in too hard material and therefore brake under heavy strain. Sealing rings often are not oil resistant.



These couplings appear to be a substantial safety risk and should not be used!
They do not at all correspond to the DIN Standards!

LUDECKE – Information regarding the new Standards

In exchange for DIN 3481 / 3482 / 3483 / 3484 / 3485 now exists only

DIN
3489

This Standard covers:

Standard Claw Couplings made of malleable iron



KAG



KIG



SKG



VKO



GDOR

GOER



Sealing rings

Swivelling Claw Couplings made of malleable iron / steel



KAG-DR



KIG-DR



SKG-DR

Standard Claw Couplings made of stainless steel



EKA



EKI



EKT

Sealing ring



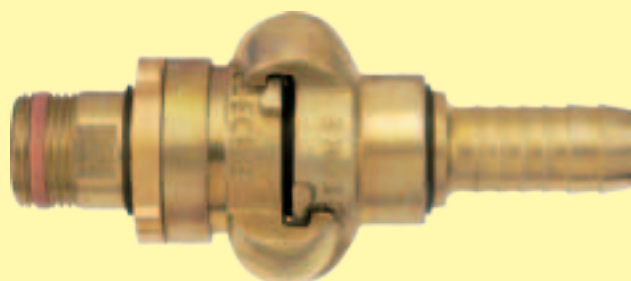
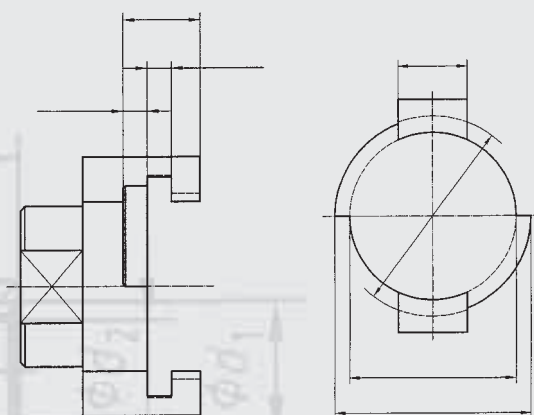
GVOR

DIN
3489

Special requirements

- Threads according to **DIN ISO 228/2**
- Claw couplings and sealing rings corresponding to this standard **have to be marked with manufacturers name!**
- Working pressure **max. 10 bar**
- **100 % sight control** required
- **100 % couple test** with test gauge required.
- **Certified material:**
 Malleable Iron: EN-GJMW-400-5(EN-JM1030) according to DIN EN 1562
 M1-Alloy: Alloy DIN 17660-CuZn39Pb2 (2.0380)
 Steel: Type to be chosen by manufacturer
 11SMnPb30 (1.0718) according to DIN EN 10087
 11SMnPb30 (1.0718) according to DIN EN 10277-3
 X5CrNi Mo 17-12-2 (1.4401) according to DIN EN 10088-1
 G-X5CrNiMo 19-11-2 (1.4408) according to DIN EN 10213-4
 G-X5CrNiMoNb 19-11-12 (1.4581) according to DIN EN 10213-4
- New claw dimensions

Test gauge for claw couplings



We always recommend to use a standard coupling according to DIN 3489 and as the counter coupling a mody screwing coupling according to DIN 3238. This connection is absolutely safe, easy to couple, 100 % tight and secured against unintentional opening. Also for safe hose assembly always use clamps according to DIN 20039. Malleable Iron according to DIN EN 1562 avoids as a result of its toughness and flexibility breaking of the couplings under heavy strain. These characteristics are essential e.g. for the use directly on compressed air hammers and therefore malleable iron is according to DIN 3489 and DIN 3238 the exclusive casting material for claw couplings.

Claw Couplings

with brass seal

New!

- Robust couplings of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- With brass seal, oil-resistant hose ring and zinc plated screw
- Easy to couple, no independent remove of the seal
- Always to be coupled with a standard claw coupling with Perbunan seal!
- **Universal couplings for air lines in construction or industry, mainly used directly on compressor or air tool**



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Threads	
PN 10 bar	-40°C – +95°C	malleable iron	compressed air	42 mm	Brass / Perbunan	ISO 228	10

Hose Claw Couplings with brass seal

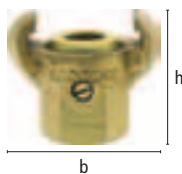


Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	8.5	63	78	212	SKM 13*
5/8" = 15 mm	11	63	88	226	SKM 15*
3/4" = 19 mm	15	63	84	211	SKM 19
1" = 25 mm	19	63	84	225	SKM 25

For hose clamps type SL DIN 20039 A (© catalogue page 47)

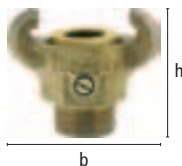
*two parts with thread stem of steel

Female Claw Couplings with brass seal



Thread	DN	b	h	Hexagon	Weight/pc. g	Type No.
G 1/2"	17	63	48	27	181	KIM 12
G 3/4"	17	63	50	32	200	KIM 34
G 1"	17	63	52	41	260	KIM 10

Male Claw Couplings with brass seal



Thread	DN	b	h	Hexagon	Weight/pc. g	Type No.
G 1/2"	11	63	55	27	193	KAM 12
G 3/4"	17	63	51	32	206	KAM 34
G 1"	17	63	48	40	213	KAM 10

Easy male thread sealing with PVC-Packing rings type HPD (© catalogue page 23)

Original spare parts brass seal



Type	∅i	∅a	h	Weight/pc. g		Type No.
Brass sleeve	17	32	21	12.5	100	MOOH
Perbunan hose ring	23	28	12	3.2	100	SOOR
Steel screw M5	-	7	14	2	100	HOOS

Claw Couplings with bore for safety-clips

New!

- Robust couplings of malleable iron, zinc plated and yellow passivated (free of chrome VI)
- 100 % couple-test and sight control
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against extra charge
- To be secured against accidental opening through safety-clips DIN 11024
- Universal coupling, mainly used worldwide in mining or tunneling

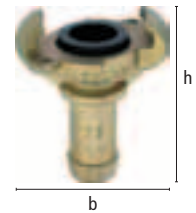


Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Threads	⊠
PN 10 bar	-40°C – +95°C	malleable iron	compressed air	42 mm	Perbunan	ISO 228	10

Hose Claw Couplings with safety collar

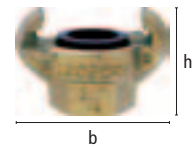
Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	8.5	63	74	167	SKSS 13
3/4" = 19 mm	15	63	75	196	SKSS 19
1" = 25 mm	19	63	75	222	SKSS 25

For hose clamps DIN 20039 B, type SK (⊗ catalogue page 47), safe hose assembly



Female Claw Couplings

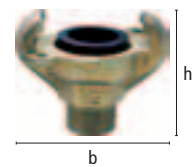
Thread	DN	b	h	⊠Hexagon	Weight/pc. g	Type No.
G 1/2"	18.5	63	37	27	141	KISS 12
G 3/4"	20	63	39	32	145	KISS 34
G 1"	20	63	41	41	182	KISS 10



Male Claw Couplings

Thread	DN	b	h	⊠Hexagon	Weight/pc. g	Type No.
G 1/2"	13	63	49	27	170	KASS 12
G 3/4"	17	63	49	32	182	KASS 34
G 1"	20	63	53	39	199	KASS 10

Easy male thread sealing with PVC-Packing rings type HPD (⊗ catalogue page 23)



Original Rubber Rings

Resistance	Temp.°C	Medium	Material	Colour	Shore h. A	⊘i	⊘a	h	Weight/pc. g	⊠	Type No.
Oil	-40 – +95	compr. air	Perbunan	black	65°	20	34	11	6	100	GOER
Steam	-40 – +200	steam	Ohasil	nature	60°	20	33	10	6	10	GDOR



Universal Safety-Clips DIN 11024

Material	Wire ⊘	b	h	Weight/pc. g	⊠	Type No.
Steel zinc plated	3 mm	63	27	10	50 St.	USC-1



Claw Couplings

Left-closing and coloured

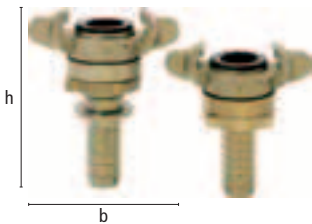
New!

- Robust couplings of malleable iron resp. steel, zinc plated and yellow passivated (free of chrome VI)
- 100 % couple-test and sight control
- With oil-resistant rubber ring SGOR-N, on request with steam-resistant rubber ring SDOR-N (up to 200°C) or with brass seal
- Through left-closing mechanism the couplings can't be connected with standard claw couplings (right-closing), additional warning through ears at the claws or colour
- **Mainly used in chemical and petrochemical plants to avoid connection of different fluids, e.g. compressed air, steam, gas medias, nitrogen...**



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Threads	
PN 10 bar / 16 bar	-40°C – +95°C	malleable iron / steel	various	42 mm	brass / Perbunan	ISO 228	1

Hose Claw Couplings left-closing



Hose i.D.	DN	Type	b	h	Safety collar	Weight/pc. g	Mat. Seal	Type No.
3/4" = 19 mm	16	MODY	85	100	without	340	Perbunan	SSGL 19
3/4" = 19 mm	16	MODY	85	112	with	367	Perbunan	SSGL 19 S
3/4" = 19 mm	16	brass seal	85	84	without	240	Brass	SKML 19

Other sizes on request.

For hose clamps DIN 20039 A resp. B (© catalogue page 47)

Female Claw Couplings left-closing



Thread	DN	Type	b	h	Hexagon	Weight/pc. g	Mat. Seal	Type No.
G 3/4" f	17	brass seal	85	50	32	130	Brass	KIML 34
G 3/4" f	19	MODY	85	93	32	434	Perbunan	SSGIL 34

Other sizes on request.

Male Claw Couplings left-closing



Thread	DN	Type	b	h	Hexagon	Weight/pc. g	Mat. Seal	Type No.
G 3/4" m	19	MODY	85	73	24	339	Perbunan	SSGAL 34

Other sizes on request.

Original MODY-Rubber Rings – Standard Execution

(© catalogue page 25)

Original MODY-Rubber Rings – Old Execution

(© catalogue page 25)

Original Spare Parts Brass Seal



Type	Øi	Øa	h	weight/pc. g		Type No.
Brass sleeve	17	32	21	12.5	100	MOOH
Perbunan hose ring	23	28	12	3.2	100	SOOR
Steel screw M5	-	7	14	2	100	HOOS

All types also available coloured (powder-coated) against extra charge

RAL 5010
 RAL 6029
 RAL 1004
 RAL 2002
 ...others on request.

Ⓜ Attention: At least 100 pc/type necessary!



Claw Couplings

of forged steel, hardened

- Extreme robust, durable coupling of forged steel, hardened, zinc plated and yellow passivated **New!** (free of chrome VI), equivalent to type Atlas Copco
- With oil-resistant rubber ring GOER, on request with steam-resistant rubber ring GDOR (up to 200°C) against extra charge
- Maximum bore for maximum flow capacity to reach full tool performance
- Turned gasket seat, therefore 100 % tight
- Turned stem profile for perfect fit of the hose
- High Quality coupling for compressed air in construction and industry



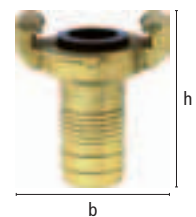
Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Threads	☰
PN 10 bar / 16 bar	-40°C – +95°C	steel hardened	compressed air	42 mm	Perbunan	ISO 228	10

Hose Claw Couplings

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/4" = 6.3 mm	5	62	58	122	ACK 14 T
3/8" = 10 mm	8	62	63	141	ACK 38 T
1/2" = 12.5 mm	10.5	62	63	136	ACK 12 T
5/8" = 16 mm	13.5	62	65	144	ACK 58 T
3/4" = 20 mm	17	62	70	165	ACK 34 T
1" = 25 mm	20	62	73	173	ACK 10 T

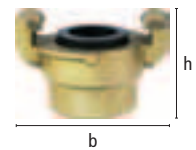
For hose clamps DIN 20039 A, type SL (☺ catalogue page 47)

Swivelling execution (against hose twist) on request.



Female Claw Couplings*

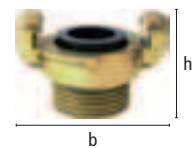
Thread	DN	b	h	Weight/pc. g	Type No.
G 3/8"	15	62	40	182	ACK 38 I
G 1/2"	19	62	40	203	ACK 12 I
G 5/8"	19	62	40	194	ACK 58 I
G 3/4"	20	62	40	176	ACK 34 I
G 1"	20	62	40	160	ACK 10 I



Male Claw Couplings*

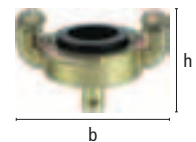
Thread	DN	b	h	Weight/pc. g	Type No.
G 3/8"	11	62	40	142	ACK 38 A
G 1/2"	15	62	40	152	ACK 12 A
G 5/8"	16	62	40	148	ACK 58 A
G 3/4"	19	62	40	148	ACK 34 A
G 1"	20	62	40	152	ACK 10 A

Easy male thread sealing with PVC-Packing rings type HPD (☺ catalogue page 23)



Blank Ends

Execution	b	h	Weight/pc. g	Type No.
without chain	62	40	140	ACKO
with chain	62	40	150	ACKM
chain (spare part)			7	VKM-K



Original Rubber Rings

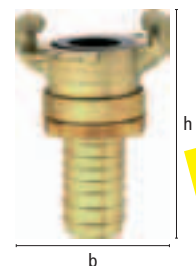
(☺ catalogue page 23)

MODY-Hose Couplings with thread-protective ring and new sealing-ring, on both sides led in gasket seat.

Hose i.D.	DN	b	h	Weight/pc. g	☰	Type No.
1/2" = 12,5 mm	10	62	92	321	5	ACS 13
3/4" = 20 mm	17	62	92	331	5	ACS 19
1" = 25 mm	19	62	92	356	5	ACS 25

For hose clamps DIN 20039 A, type SL (☺ catalogue page 47)

*On request also available with NPT thread against extra charge



Original Rubber Rings for MODY-Screwing Couplings – Standard Execution

(☺ catalogue page 25)

Original Rubber Rings for MODY-Screwing Couplings – Old Execution

(☺ catalogue page 25)

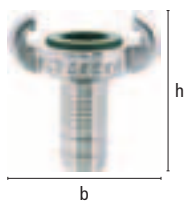
Claw Couplings DIN 3489 / DIN 3238

of stainless steel 1.4401

- High quality couplings of rust- and acid-resistant steel 1.4401
- With acid-resistant rubber ring of viton (caoutchuc), other materials ☹ below
- Couplings investment casted, 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 (according to concentration) in chemical- or petrochemical industry, in tank- or container-construction. For food- or drinking-water applications use rubber ring type GPOR resp. SPOR-N



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Threads	☹
PN 16 bar	-30°C – +200°C	1.4401	chemical medias	42 mm	Viton	ISO 228	1

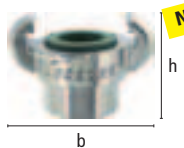


Hose Claw Couplings DIN 3489

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
3/8" = 10 mm	6.5	63	65	125	EKT 10 V
1/2" = 13 mm	9	63	65	129	EKT 13 V
3/4" = 19 mm	15	63	65	142	EKT 19 V
1" = 25 mm	20	63	65	165	EKT 25 V

Swivelling execution on request.

Female Claw Couplings DIN 3489

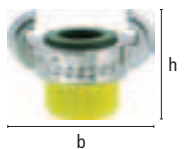


New!

Thread	DN	b	h	Weight/pc. g	Type No.
G 3/8"	15	63	41.5	173	EKI 38 V
G 1/2"	19	63	41.5	163	EKI 12 V
G 3/4"	20	63	41.5	158	EKI 34 V
G 1"	20	63	41.5	160	EKI 10 V

On request also available with NPT thread against extra charge!

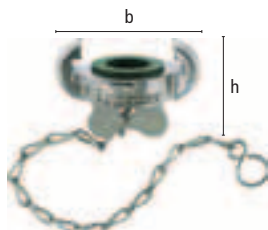
Male Claw Couplings DIN 3489 with thread protective cap



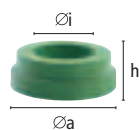
Thread	DN	b	h	Weight/pc. g	Type No.
G 3/8"	10	63	39	148	EKA 38 V
G 1/2"	14	63	39	151	EKA 12 V
G 3/4"	19	63	41.5	155	EKA 34 V
G 1"	20	63	41.5	180	EKA 10 V

On request also available with NPT thread against extra charge!

Blank Ends DIN 3489



Execution	b	h	Material	Weight/pc. g	☼	Type No.
without chain	63	42		144		EKO V
with chain	63	42		136		EKM V
chain (spare part)			1.4301	7	10	EKMV-K



New!

Original Rubber Ring DIN 3489

Resistance	Temp.°C	Material	Colour	Shore	h. A	Øi	Øa	h	Weight/pc. g	☼	Type No.
chem. medias	-30 /+200	Viton	green	50°	20	34	10.5	9	10		GVOR
Steam	-40 /+200	Ohasil	nature	60°	20	33	10	6	10		GDOR
foods	-40 /+130	EPDM	nature	70°	20	34	10.5	9	10		GPOR

- Free of dead space hose assembly for optimum safety- and hygiene-standard, no dirt nests!
- Please note correct hose dimensions!



New!

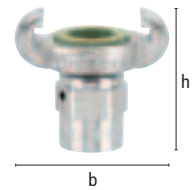


Hose Claw Couplings with thread ferrule (according to DIN EN 14 424)

Hose Dimension	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 x 3	11	63	57	170	EKTQ 133 V
1/2" = 13 x 5	11	63	57	175	EKTQ 135 V
5/8" = 15 x 5	13	63	57	190	EKTQ 155 V
3/4" = 19 x 5	16	63	57	195	EKTQ 195 V
3/4" = 19 x 6	16	63	57	200	EKTQ 196 V
1" = 25 x 5	22	63	62	250	EKTQ 255 V
1" = 25 x 7	22	63	62	260	EKTQ 257 V

(Thread ferrule brass chromed).

Assembly instructions for thread ferrules (© catalogue page 182).



Mody-Hose Claw Couplings DIN 3238

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	9	63	105	337	EKS 13 V
3/4" = 19 mm	15	63	105	350	EKS 19 V
1" = 25 mm	18	63	105	380	EKS 25 V

Other sizes on request.



Mody-Hose Claw Couplings with brass safety clamp for steam applications

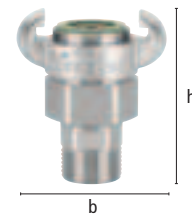
For Hose	DN	Mat. sealing	b	h	Weight/pc. g	Type No.
13 x 6 (1/2")	10	Ohasil (SDOR-N)	63	120	840	EKS 13 KSM
19 x 7 (3/4")	15	Ohasil (SDOR-N)	63	120	940	EKS 19 KSM

For Hose 25 x 7,5 (1") on request



Mody-Male Thread Claw Couplings DIN 3238 with new gasket seat

Thread	DN	b	h	Weight/pc. g	Type No.
G 1/2"	13	63	77	320	EKSA 12 V
G 3/4"	18	63	80	335	EKSA 34 V
G 1"	18	63	82	370	EKSA 10 V



Mody-Female Thread Claw Couplings DIN 3238

Thread	DN	b	h	Weight/pc. g	Type No.
G 1/2"	18	63	80	345	EKSI 12 V
G 3/4"	18	63	95	430	EKSI 34 V
G 1"	18	63	100	530	EKSI 10 V



Original Rubber Ring for MODY-Claw Couplings DIN 3238

Execution	Resistance	Temp. °C	Material	Color	Hardness	∅i	∅a	h	Weight/pc. g	⊠	Type No.
DIN 3238	chem. medias	-30 / +200	Viton	green	60°	21	30	4	2	10	SVOR-N
OLD	chem. medias	-30 / +200	Viton	green	60°	21	32,5	7	5	10	SVOR
DIN 3238	steam	-40 / +200	Ohasil	nature	75°	21	30	4	2	10	SDOR-N
DIN 3238	foods	-40 / +130	EPDM	nature	75°	21	30	4	2	10	SPOR-N



Claw Couplings

of forged brass MS 58

- Universal couplings of forged brass MS 58
- With oil-resistant rubber ring MK 42 ER
- Turned gasket seat, therefore 100 % tight
- For compressed air and water in construction, agriculture and industry



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Thread	
PN 10 bar	-40°C – +95°C	brass MS 58	compressed air	42 mm	Perbunan	ISO 228	10

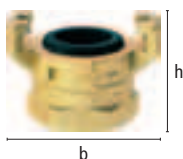
Hose Claw Couplings



Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/4" = 7 mm	6	57	76	115	MKS 42-6
3/8" = 10 mm	8	57	69	120	MKS 42-10
1/2" = 13 mm	10	57	69	130	MKS 42-13
5/8" = 16 mm	12	57	69	131	MKS 42-15
3/4" = 19 mm	15	57	69	155	MKS 42-19
1" = 25 mm	21	57	69	180	MKS 42-25

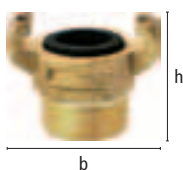
For hose clamps/clips type SL, type HS, ZOS, LPH(© catalogue page 47–50)

Female Claw Couplings



Thread	DN	b	h	Hexagon	Weight/pc. g	Type No.
G 1/4"	8	17	57	38	93	MKI 42-14
G 3/8"	12	21	57	33	97	MKI 42-38
G 1/2"	15	26	57	33	101	MKI 42-12
G 3/4"	21	32	57	36	119	MKI 42-34
G 1"	21	39	57	38	124	MKI 42-10
G 1 1/4"	21	47	57	43	166	MKI 42-54

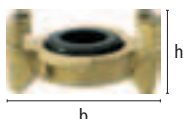
Male Claw Couplings



Thread	DN	b	h	Hexagon	Weight/pc. g	Type No.
G 1/4"	7	17	57	43	104	MKA 42-14
G 3/8"	10	21	57	45	102	MKA 42-38
G 1/2"	14	24	57	42	112	MKA 42-12
G 3/4"	19	30	57	43	135	MKA 42-34
G 1"	21	34	57	43	140	MKA 42-10
G 1 1/4"	21	44	57	46	193	MKA 42-54

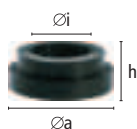
Easy male thread sealing with PVC-Packing rings type HPD (© catalogue page 23)

Blank Ends



Execution	b	h	Weight/pc. g	Type No.
without chain	57	29	93	MKO 42

Original Rubber Ring



Resistance	Temp. °C	Material	Medium	Colour	Shore	h. A	Øi	Øa	h	Weight/pc. g	Type No.
Oil	-40 – +95	Perbunan	air/water	black	55°	21	34.5	10	5	10	MK 42 ER

Claw Couplings

US-Execution with bore for safety-clips

New!

- Robust couplings of malleable iron, US-execution, zinc plated and yellow passivated (free of chrome VI)
- 100 % couple test and sight control
- with oil-resistant rubber ring GOOR
- To be secured against accidental opening through safety-clips DIN 11024
- US-universal coupling, widely spread system for compressed air in construction and industry



Max. Working Pressure	Temperature	Material	Medium	Claw Distance	Mat. Seal	Thread	⊕
PN 10 bar	-40°C – +95°C	malleable iron	compressed air	41 mm	Perbunan	NPT	10

US-Hose Claw Couplings with safety collar

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
3/8" = 10 mm	6	62	75	162	SKA 11*
1/2" = 13 mm	9	62	88	182	SKA 13
3/4" = 19 mm	14	62	105	244	SKA 19
1" = 25 mm	20	62	107	286	SKA 25

For US-hose clamps (⊕ catalogue page 48)

* SKA 11 two parts with thread stem of steel

US-Female Claw Couplings

Thread	DN	b	h	⊕Hexagon	Weight/pc. g	Type No.
3/8"NPT	15	62	57	27	187	KIA 38
1/2"NPT	18	62	57	27	181	KIA 12
3/4"NPT	20	62	57	36	201	KIA 34
1"NPT	20	62	56	42	218	KIA 10

On request also available with thread acc. ISO 228 against surcharge.

US-Male Claw Couplings

Thread	DN	b	h	⊕Hexagon	Weight/pc. g	Type No.
3/8"NPT	9	62	64	29	180	KAA 38
1/2"NPT	12	62	64	29	190	KAA 12
3/4"NPT	17	62	70	34	224	KAA 34
1"NPT	20	62	72	38	260	KAA 10

On request also available with thread acc. ISO 228 against surcharge.

US-Blank End

Execution	b	h	Weight/pc. g	Type No.
without chain	62	55	215	UDM

Original Rubber Ring

Resistance Temp.°C	Medium	Material	Colour	Shore h. A	⊕i	⊕a	h	Weight/pc. g	⊕	Type No.
Oil -40 / +95	compr. air	Perbunan	black	50°	20	34	10,5	6	100	GOOR

Universal Safety Clips DIN 11024

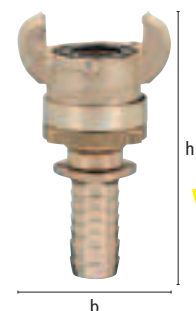
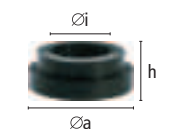
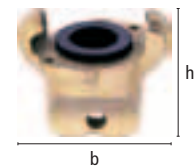
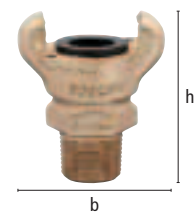
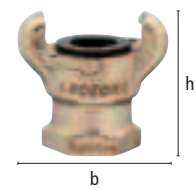
Material	Wire ⌀	b	h	Weight/pc. g	⊕	Type No.
Steel zinc plated	3 mm	63	27	10	50	USC-1

US-MODY-Hose Claw Couplings with safety collar

Hose i.D.	DN	b	h	⊕safety collar	Weight/pc. g	⊕	Type No.
3/8" = 10 mm	6.5	62	111	21	320	5	SSC 10
1/2" = 13 mm	10	62	118	24	360	5	SSC 13
3/4" = 19 mm	15	62	120	34	385	5	SSC 19
1" = 25 mm	18	62	120	39	420	5	SSC 25

For US-hose clamps (⊕ catalogue page 48); on request also available as thread execution.

Original MODY-Rubber Rings SGOR and SDOR (⊕ catalogue page 25)



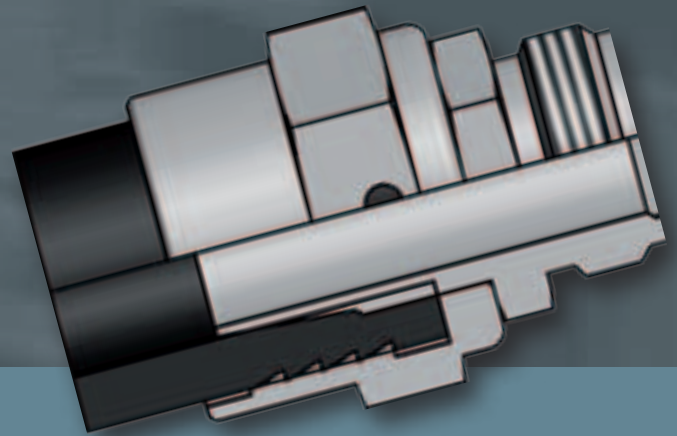
New!



Complete Screwing Sets are extremely robust fittings for construction, tunneling and mining. A tapered stem with connecting nut is screwed with a nipple with cone. Taper and cone are sealing against each other without sealing material.

Thread stems and hose connections serve in various fields for connection or lengthening of hose lines.

Complete Screwing Sets Connecting Nipples Hose Connections



Content

- 37 Complete Screwing Sets DIN 8537/20 033
- 39 Complete Screwing Sets, flat sealing
- 40 Connecting Nuts and Tapered Stems DIN 8537/20 033
- 42 Connecting Nipples with Cone, Hot Tar Screwing
- 44 Thread Stems
- 45 Hose Connections

Complete Screwing Sets

DIN 8537/20 033

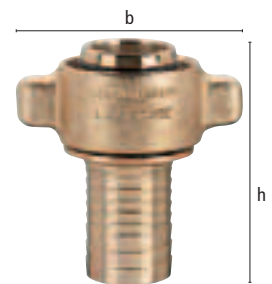
New!

- Complete Screwing Sets of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI) consisting of connecting nut and tapered stem
- Complete Screwing Sets with safety collar and turned stem profile for perfect fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (© catalogue page 42 / 43)
- World-wide used system for compressed air, water... in construction, mining or tunneling.

Max. Working Pressure	Temperature	Material	Medium	Norm	Thread	Cone
PN 16 / 25 bar	- 40°C – + 95°C	malleable iron / steel	compressed air / water	DIN 8537 / 20 033	ISO 228 / DIN 405	1:3 resp. 1:4

Complete Screwing Sets with safety collar

Hose i.D.	Thread	Cone	DN	Ø Safety collar	b	h	Weight/pc. g	⊠	Type No.
3/8" = 10 mm	G 3/4"	1:4	7.5	21	58	70	169	10	34/10 S
1/2" = 13 mm	G 3/4"	1:4	10	21	58	79	166	10	34/13 S
5/8" = 15 mm	G 3/4"	1:4	12	26	58	79	175	10	34/15 S
3/4" = 19 mm	G 3/4"	1:4	13	33	58	80	200	10	34/19 S
3/8" = 10 mm	G 1"	1:3	7.5	21	65	83	218	10	10/10 S
1/2" = 13 mm	G 1"	1:3	10	22	65	85	207	10	10/13 S
5/8" = 15 mm	G 1"	1:3	12	26	65	85	218	10	10/15 S
3/4" = 19 mm	G 1"	1:3	15	33	65	85	244	10	10/19 S
1" = 25 mm	G 1"	1:3	16	38	65	90	290	10	10/25 S
3/8" = 10 mm	Rd 32 x 1/8"	1:3	7.5	21	65	90	221	10	32/10 S
1/2" = 13 mm	Rd 32 x 1/8"	1:3	10	22	65	83	249	10	32/13 S
5/8" = 15 mm	Rd 32 x 1/8"	1:3	12	26	65	85	229	10	32/15 S
3/4" = 19 mm	Rd 32 x 1/8"	1:3	15	33	65	85	251	10	32/19 S
1" = 25 mm	Rd 32 x 1/8"	1:3	16	38	65	90	310	10	32/25 S
1" = 25 mm	Rd 38 x 1/8"	1:3	19	38	76	98	426	5	38/25 S
1 1/4" = 32 mm	Rd 46 x 1/6"	1:3	25	50	86	124	685	1	46/32 S
1 3/8" = 35 mm	Rd 55 x 1/6"	1:3	30	55	95	131	829	1	55/35 S
1 1/2" = 38 mm	Rd 55 x 1/6"	1:3	31	55	95	131	864	1	55/38 S
1 5/8" = 42 mm	Rd 62 x 1/6"	1:3	35	63	105	139	1216	1	62/42 S
1 1/2" = 38 mm	Rd 75 x 1/6"	1:3	31	55	137	140	1420	1	75/38 S
2" = 50 mm	Rd 75 x 1/6"	1:3	45	77	137	149	1725	1	75/50 S
2" = 53 mm	Rd 75 x 1/6"	1:3	45	77	137	149	1848	1	75/53 S
3" = 75 mm	Rd 105 x 1/4"	1:3	67	110	158	206	3974	1	105/75 S



For hose clamps DIN 20039 B, type SK (© catalogue page 47)

For higher temperatures we recommend steam screwings DIN EN 14 423 (© catalogue page 72)

Flat Hose Fittings (on request)

New!

We produce flat hose fittings according to hose samples/dimensions with assembly recommendation for hydraulic crimping with crimping sockets, safety clamps, wire or steel band. Various types on stock!



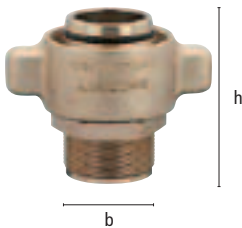
Complete Screwing Sets

DIN 8537/20 033 with male thread

New!

New!

- Screwings with cone made of steel/malleable iron, zinc plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered nipple
- Complete Screwing Set for the direct connection of thread to machine/tool
- Tapered nipple with cone 1:3 generally with additional O-ring sealing
- World-wide used system for compressed air in construction, mining and tunnelling



Max. Working Pressure	Temperature	Material	Medium	Norm	Thread	Cone	⊗
PN 16 / 25 bar	- 40°C – + 95°C	steel / malleable iron	compressed air	DIN 8537 / 20 033	ISO 228 / DIN 405	1:3	1

Complete Screwing Sets with male thread

Male thread	Female thread	Cone	DN	⊞Hexagon	b	h	Weight/pc. g	Type No.
connecting nut								
G 1 1/4"	Rd 55 x 1/6"	1:3	32	50	95	87	890	55/54 A
G 2"	Rd 75 x 1/6"	1:3	45	65	137	115	1850	75/20 A

Other dimensions on request.

Screw Caps for Complete Screwing Sets DIN 8537 / 20 033

Thread	Cone	h	⊞Hexagon	Weight/pc. g	⊞	Type No.
Rd 75 x 1/6"	1:3	65	75	850	5	VS 75

With hexagon to facilitate the assembly.

Other dimensions on request.

Male thread stems with cone

Hose i.D.	Thread	Cone	DN	h	⊞Hex.	Stem l.	Weight/pc. g	⊞	Type No.
1/2" = 13 mm	Rd 32 x 1/8"	1:3	10	75	32	41	150	10	G 32-13 T
5/8" = 16 mm	Rd 32 x 1/8"	1:3	13	75	32	41	154	10	G 32-16 T
3/4" = 19 mm	Rd 32 x 1/8"	1:3	15	75	32	41	156	10	G 32-19 T
1" = 25 mm	Rd 32 x 1/8"	1:3	20	75	32	41	168	10	G 32-25 T
1" = 25 mm	Rd 38 x 1/8"	1:3	20	75	41	41	210	10	G 38-25 T
1 1/2" = 38 mm	Rd 55 x 1/6"	1:3	33	95	55	50	800	1	G 55-38 T*
2" = 50 mm	Rd 75 x 1/6"	1:3	45	117	75	65	1120	1	G 75-50 T*
2" = 53 mm	Rd 75 x 1/6"	1:3	47	117	75	65	1140	1	G 75-53 T*

Suitable for Complete Screwing Sets.

For hose clamps DIN 20039 A, type SL (⊗ catalogue page 47)

Further dimensions on request.

*with safety collar, other types without safety collar

New!

Complete Screwing Sets flat sealing

New!

- Screwings made of steel/malleable iron, zinc plated and yellow passivated (free of chrome VI)
- Consisting of connecting nut and flat sealing hose stem with O-ring
- Complete Screwing Sets with turned stem profile for perfect fit of the hose
- Further hose assembly methods, for example with crimping sockets or safety clamps, and also other dimensions on request
- Popular screwing system for compressed air in mining and tunnelling

Max. Working Pressure	Temperature	Material	Medium	Thread	
PN 16 / 25 bar	- 40°C – + 95°C	malleable iron/steel	compressed air	DIN 405	1

Complete Screwing Sets with safety collar, flat sealing

Hose i.D.	Thread	DN	h	b	Weight/pc. g	Type No.
2" = 50 mm	RD 65 x 1/6"	45	166	105	1300	65/50 FL
2" = 53 mm	RD 65 x 1/6"	47	166	105	1320	65/53 FL

For hose clamps DIN 20 039 A, type SL (☺ catalogue page 47)

Single Connecting Nuts

Thread	Bore	h	b	Weight/pc. g	Type No.
Rd 65 x 1/6"	56,5	36	105	555	UM 65

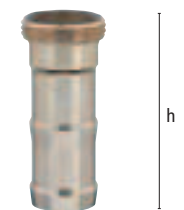
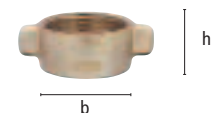
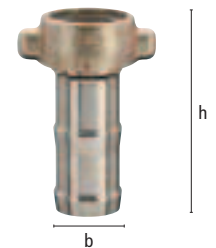
Single Hose stems, flat sealing

Hose i.D.	DN	h	Weight/pc. g	Type No.
2" = 50 mm	45	166	745	FT 50 L
2" = 53 mm	48	166	765	FT 53 L

For hose clamps DIN 20 039 A, type SL (☺ catalogue page 47)

Rubber rings for flat sealing hose stems

Resistance	Temp. °C	Medium	Material	Shore h. A	∅A	Weight/pc. g	Type No.
Oil	-40°C - +95°C	compressed air	Perbunan	65 °	54,5	2	ED 50 L



New!

Double Nipples flat sealing

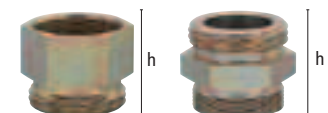
New!

- Nipples made of steel, zinc plated and yellow passivated (free of chrome VI)
- Suitable for flat sealing Complete Screwings(☺ above)
- For the direct connection of fitting to machine/tool for compressed air in mining and tunnelling

Max. Working Pressure	Temperature	Material	Medium	Thread	
PN 25 bar	- 40°C – + 95°C	steel	compressed air	ISO 228 / DIN 405	1

Double nipples, flat sealing, male/male resp. male/female

Inlet thread	outlet thread	∅Hexagon	h	Weight/pc. g	Type No.
G 1 1/4" male	RD 65 x 1/6" male	65	58	665	N 6554 A
G 1 1/2" male	RD 65 x 1/6" male	65	58	675	N 6515 A
G 2" male	RD 65 x 1/6" male	65	58	680	N 6520 A
G 2" female	RD 65 x 1/6" male	65	55	650	N 6520 I
RD 75 x 1/6" male	RD 65 x 1/6" male	75	77	1192	N 6575 A

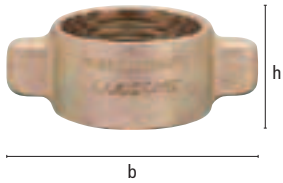


Connecting Nuts and Tapered Stems


DIN 8537/20 033

New!

- Screwings with cone of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI), consisting of connecting nut and tapered stem
- Turned stem profile for perfect fit of the hose
- Tapered stems with cone 1:3 generally with additional O-ring sealing
- Suitable for connecting nipples (© catalogue page 42 / 43)
- World-wide used system for compressed air, water... in construction, mining or tunneling.



Connecting Nuts of malleable iron corresponding to →

Thread	Bore	b	h	Weight/pc. g		Type No.
G 3/4"	21.5	58	23	92	10	UM 34
G 3/4"						
G 3/4"						
G 3/4"						
G 1"	23	65	28	133	10	UM 10
G 1"						
G 1"						
G 1"						
G 1"						
Rd 32 x 1/8"	23	65	28	139	10	UM 32
Rd 32 x 1/8"						
Rd 32 x 1/8"						
Rd 32 x 1/8"						
Rd 32 x 1/8"						
Rd 32 x 1/8"	27.5	65	28	129	10	UM 32/2
G1"	27.5	65	28	124	10	UM 10/2
Rd 38 x 1/8"	29	76	33	234	10	UM 38
Rd 46 x 1/6"	35	86	36	301	1	UM 46
Rd 55 x 1/6"	42	95	38	378	1	UM 55
Rd 55 x 1/6"						
Rd 62 x 1/6"	49	105	44	555	1	UM 62
Rd 75 x 1/6"	61	137	50	797	1	UM 75
Rd 75 x 1/6"						
Rd 105 x 1/4"		158	60	1545	1	UM 105



tapered stems of steel

Hose i.D.	Cone	b	h	Weight/pc. g	☞	Type No.
3/8" = 10 mm	1:4	24	70	67	10	T 10 B
1/2" = 13 mm	1:4	24	79	74	10	T 13 B
5/8" = 15 mm	1:4	24	79	72	10	T 15 B
3/4" = 19 mm	1:4	24	80	94	10	T 19 B
3/8" = 10 mm	1:3	28	78	85	10	ST 10 B
1/2" = 13 mm	1:3	28	80	104	10	ST 13 B
5/8" = 15 mm	1:3	28	80	83	10	ST 15 B
3/4" = 19 mm	1:3	28	80	100	10	ST 19 B
3/4" = 19 mm	1:3	28	80	109	10	ST 19 B-PH*
3/8" = 10 mm	1:3	28	78	85	10	ST 10 B
1/2" = 13 mm	1:3	28	80	104	10	ST 13 B
5/8" = 15 mm	1:3	28	80	83	10	ST 15 B
3/4" = 19 mm	1:3	28	80	100	10	ST 19 B
3/4" = 19 mm	1:3	28	80	109	10	ST 19 B-PH*
1" = 25 mm	1:3	29	85	163	10	ST 25 B/3
1" = 25 mm	1:3	30	85	148	10	ST 25 B/2
1" = 25 mm	1:3	33	90	164	10	ST 25 B
1 1/4" = 32 mm	1:3	40	120	355	1	ST 32 B
1 3/8" = 35 mm	1:3	48	125	390	1	ST 35 B
1 1/2" = 38 mm	1:3	48	125	465	1	ST 38 B
1 5/8" = 42 mm	1:3	57	130	558	1	ST 42 B
2" = 50 mm	1:3	68	140	896	1	ST 50 B
2" = 53 mm	1:3	68	140	947	1	ST 53 B
3" = 75 mm	1:3	98	189	1990	1	ST 75 B

For hose clamps DIN 20039 A, type SL (☞ catalogue page 47)

*ST 19 B-PH for hydraulic crimping with socket PH-19 (☞ catalogue page 59)
other types also available on request!

Connecting Nipples with cone

New!

- Nipples of steel, zinc plated and yellow passivated (free of chrome VI)
- Suitable for screwings (☉ catalogue page 37–41) DIN 8537/20033
- Worldwide used system for compressed air, water... in construction, mining and tunneling



Max. Working Pressure	Material	Medium	Norm	Thread	Cone
PN 25 bar	steel	compressed air / water	☉ below	ISO 228 / DIN 405	1:3 resp.1:4

Double Nipples DIN 8537/20 036

Male Thread	Cone	Hexagon	h	Weight/pc. g	Weight/pc. g	Type No.
2 x G 3/4"	2 x 1:4	27	47	107	10	V 34 N
2 x G 3/4"	2 x 1:4	32	47	125	10	V 34-32 N
2 x G 1"	2 x 1:3	36	55	197	10	V 10 N
2 x Rd 32 x 1/8"	2 x 1:3	32	55	163	10	V 32 N
2 x Rd 38 x 1/8"	2 x 1:3	41	62	283	10	V 38 N
2 x Rd 46 x 1/6"	2 x 1:3	46	70	410	1	V 46 N
2 x Rd 55 x 1/6"	2 x 1:3	55	78	648	1	V 55 N
2 x Rd 62 x 1/6"	2 x 1:3	65	88	869	1	V 62 N
2 x Rd 75 x 1/6"	2 x 1:3	75	100	1490	1	V 75 N
2 x Rd 105 x 1/4"	2 x 1:3	105	122	2990	1	V 105 N

Sieve Nipples DIN 20 037

Inlet thread	Sieve	Outlet thread	with Cone	Hexagon	h	Weight/pc. g	Weight/pc. g	Type No.
G 3/8"	inner	G 3/4"	1:4	27	38	84	10	N 38 IS
G 1/2"	inner	G 3/4"	1:4	27	40	85	10	N 23 IS
G 1/2"	inner	Rd 32 x 1/8"	1:3	32	44	126	10	N 82 IS
G 3/4"	inner	G 3/4"	1:4	27	44	104	10	N 34 IS
G 3/4"	inner	G 3/4"	1:4	32	44	120	10	N 34-32 IS
G 3/4"	inner	Rd 32 x 1/8"	1:3	32	48	135	10	N 32 IS
G 3/4"	inner	G 1"	1:3	36	48	173	10	N 341 IS
G 3/4"	outer	G 3/4"	1:4	27	44	100	10	N 34 AS
G 3/4"	outer	G 3/4"	1:4	32	44	120	10	N 34-32 AS
G 3/4"	outer	Rd 32 x 1/8"	1:3	32	48	130	10	N 32 AS
G 3/4"	without	Rd 32 x 1/8"	1:3	32	48	142	10	N 32 OS
G 1"	inner	Rd 32 x 1/8"	1:3	36	49	193	10	N 132 IS
G 1"	without	Rd 38 x 1/8"	1:3	41	54	252	10	N 18 OS
G 1"	without	Rd 46 x 1/6"	1:3	46	58	345	1	N 46-10 OS
G 1 1/4"	without	Rd 46 x 1/6"	1:3	46	58	331	1	N 46-54 OS
G 1 1/2"	without	Rd 46 x 1/6"	1:3	50	63	445	1	N 46 OS
G 1 1/4"	without	Rd 55 x 1/6"	1:3	55	63	536	1	N 55-54 OS
G 1 1/2"	without	Rd 55 x 1/6"	1:3	55	68	529	1	N 55 OS
G 2"	without	Rd 55 x 1/6"	1:3	65	70	860	1	N 55-20 OS
G 1 1/2"	without	Rd 62 x 1/6"	1:3	65	75	764	1	N 62 OS
G 2"	without	Rd 62 x 1/6"	1:3	65	75	820	1	N 62-20 OS
G 1 1/2"	without	Rd 75 x 1/6"	1:3	75	80	1220	1	N 75-15 OS
G 2"	without	Rd 75 x 1/6"	1:3	75	85	1196	1	N 75 OS
G 2 1/2"	without	Rd 75 x 1/6"	1:3	75	85	1387	1	N 75-25 OS
G 3"	without	Rd 105 x 1/4"	1:3	105	100	2290	1	N 105 OS

New!

New!



Connecting Nipples

Female thread	Male thread	with Cone	Hexagon	h	Weight/pc. g	Weight/pc. g	Type No.
G 3/4"	G 3/4"	1:4	32	44	126	10	A 34 N
G 3/4"	G 1"	1:3	36	48	200	10	A 3410 N
G 3/4"	Rd 32 x 1/8"	1:3	32	47	136	10	A 32 N
G 3/4"	Rd 38 x 1/8"	1:3	41	48	270	10	A 38 N
G 1"	Rd 32 x 1/8"	1:3	41	50	206	10	A 1032 N
G 1"	Rd 38 x 1/8"	1:3	41	52	239	10	A 10 N

Connecting Nipples with cone

Self-locking Nipple with brass valve

Connecting thread	Thread to hose with Cone	Hexagon	h	Weight/pc. g	Type No.
G 3/4"	Rd 32 x 1/8" 1:3	32	49	153	10 SN 32 ST



Combination Nipple

Thread with Cone	Thread with Cone	Hexagon	h	Weight/pc. g	Type No.
G 1" 1:3	G 3/4" 1:4	36	51	179	10 V 1034 N



Hot Tar Screwing

New!

- Hot tar screwing of steel/malleable iron, zinc plated and yellow passivated (free of chrome VI)
- Easy to screw through wing nut; tapered stem with safety collar
- For hose connection on hot tar spraying devices, hot tar lances a.o.

Max. Working Pressure	Material	Medium	Thread	Cone	Hexagon
PN 25 bar	malleable iron / steel	hot tar	ISO 228	1:3	1

Hot Tar Screwing

Type	Connection	DN	Weight/pc. g	Type No.
hot tar screwing complete	Hose i.D. 3/4" = 19 mm x G 3/4" female	15	506	HTV-SB
tapered stem	Hose i.D. 3/4" = 19 mm, Cone 1:3	15	200	HTVT-SB
wing nut	G 1 1/4" female	-	207	HTVM
nipple	G 3/4" female x G 1 1/4" male, Cone 1:3	-	99	HTVET

For hose clamps DIN 20039 B, type SK 34 (© catalogue page 47)
Other sizes on request.



Thread Stems

New!

- Thread stems of steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in construction, industry or plant engineering.



Max. Working Pressure	Material	Medium	Thread
PN 16 / 25 bar	steel	compressed air, a.o.	ISO 228 / DIN 405

Male thread stems without safety collar

Hose i.D.	Thread	DN	h	Hexagon	Stem Length	Thread Length	Weight/pc. g	Type No.
3/8" = 9 mm	G 1/4"	6	44	14	28	9	22	G 14-9 T
3/8" = 10 mm	G 3/8"	7	45	19	28	10	31	G 38-10 T
1/2" = 13 mm	G 1/4"	8.5	44	17	28	9	35	G 14-13 T
1/2" = 13 mm	G 3/8"	10	45	19	28	10	35	G 38-13 T
1/2" = 13 mm	G 1/2"	10	65	22	41	15	60	G 12-13 T
1/2" = 13 mm	G 3/4"	10	65	27	41	16	85	G 34-13 T
5/8" = 15 mm	G 3/8"	10	48	22	41	10	45	G 38-15 T
5/8" = 15 mm	G 1/2"	12	65	22	41	15	62	G 12-15 T
5/8" = 15 mm	G 3/4"	12	65	27	41	16	92	G 34-15 T
3/4" = 19 mm	G 1/2"	14	65	22	41	15	82	G 12-19 T
3/4" = 19 mm	G 3/4"	15	65	27	41	16	99	G 34-19 T
1" = 25 mm	G 3/4"	19	65	27	39	16	118	G 34-25 T

For hose clamps DIN 20039 A, type SL (© catalogue page 47)



Male thread stems with safety collar

Hose i.D.	Thread	DN	h	Hexag.	Stem Length	Thread Length	Safety collar	Weight/pc. g	Type No.
1/2" = 13 mm	G 1/2"	10	73	22	40	15	22	75	G 12-13 TB
3/4" = 19 mm	G 3/4"	15	72	32	40	15	32	142	G 34-19 TB
3/4" = 19 mm	G 1"	15	74	36	40	17	32	175	G 10-19 T
1" = 25 mm	G 1"	20	80	36	41	17	36	220	G 10-25 T
1" = 25 mm	G 1 1/4"	20	90	46	48	18	39	321	G 54-25 T
1 1/4" = 32 mm	G 1 1/4"	25	92	46	48	20	45	406	G 54-32 T
1 1/2" = 38 mm	G 1 1/2"	33	100	55	51	22	53	532	G 15-38 T
1 5/8" = 42 mm	G 1 1/2"	35	100	55	51	22	54	571	G 15-42 T
2" = 50 mm	G 2"	42	125	65	72	25	64	943	G 20-50 T
2" = 53 mm	G 2"	44	125	75	72	25	74	1123	G 20-53 T
3" = 75 mm	G 3"	68	185	90	120	30	95	2033	G 30-75 T

For hose clamps DIN 20039 B, type SK (© catalogue page 47)



Female thread stems with safety collar

Hose i.D.	Thread	DN	h	Hexag.	Stem Length	Thread Length	Safety collar	Weight/pc. g	Type No.
3/4" = 19 mm	G 3/4"	15	71	32	40	19	32	134	G 34-19 TI
3/4" = 19 mm	G 1"	15	73	41	40	20	32	197	G 10-19 TI
1" = 25 mm	G 1"	20	75	41	41	20	36	227	G 10-25 TI
1" = 25 mm	G 1 1/4"	20	80	50	41	23	36	323	G 54-25 TI
1 1/4" = 32 mm	G 1 1/4"	25	86	50	48	23	45	390	G 54-32 TI

For hose clamps DIN 20039 B, type SK (© catalogue page 47)

Hose Connections

New!

- Hose menders and -grips of steel, zinc plated and yellow passivated (free of chrome VI)
- Simple and safe hose connection with turned stem profile
- Male thread nipples with thread ferrule reusable!
- Maximum bore for maximum flow capacity
- Suitable for compressed air and other fluids in various fields

Max. Working Pressure	Material	Medium	Norm
PN 16 / 25 bar	steel	compressed air a.o.	© below

Hose Menders DIN 20038 without safety collar

Hose i.D.	DN	h	b	Weight/pc. g	⊠	Type No.
3/8" = 10 mm	8	75	11	25	10	SV 10 R
1/2" = 13 mm	9	80	13.5	44	10	SV 13 R
5/8" = 15 mm	12.5	105	17	73	10	SV 15 R
3/4" = 19 mm	16	105	21	93	10	SV 19 R
1" = 25 mm	22	160	26.5	166	10	SV 25 R
1 1/4" = 32 mm	27	175	33.5	351	5	SV 32 R
1 1/2" = 38 mm	33	215	40	430	5	SV 38 R
2" = 50 mm	45	225	51	670	1	SV 50 R
2" = 53 mm	46	225	54	960	1	SV 53 R

For hose clamps DIN 20039 A, type SL (© catalogue page 47)



Hose Menders DIN 20038 with safety collar

Hose i.D.	DN	h	b	∅Safety collar	Weight/pc. g	⊠	Type No.
1/2" = 13 mm	9	80	13.5	25	48	10	SV 13 R/S
5/8" = 15 mm	12.5	105	17	30	77	10	SV 15 R/S
3/4" = 19 mm	16	105	21	34	107	10	SV 19 R/S
1" = 25 mm	22	160	26.5	42	170	10	SV 25 R/S
1 1/4" = 32 mm	27	175	33.5	50	382	5	SV 32 R/S
1 1/2" = 38 mm	33	215	40	56	490	5	SV 38 R/S
2" = 50 mm	45	225	51	78	870	1	SV 50 R/S
2" = 53 mm	46	225	54	78	1126	1	SV 53 R/S
3" = 75 mm	68	250	76	110	1811	1	SV 75 R/S

For hose clamps DIN 20039 B, type SK (© catalogue page 47)



Male thread nipples with thread ferrule (according to DIN EN 14424)

For Hose	Thread	DN	h	Stem		Thread	Weight/pc. g	⊠	Type No.
				Hexagon	Length				
1/2" = 13 x 3	G 1/2"	11	50	22	27	12	102	10	G 12-133 TQ
1/2" = 13 x 5	G 1/2"	11	50	22	27	12	104	10	G 12-135 TQ
5/8" = 15 x 5	G 3/4"	13	52	27	30	13	140	10	G 34-155 TQ
3/4" = 19 x 5	G 3/4"	17	52	27	30	13	170	10	G 34-195 TQ
3/4" = 19 x 6	G 3/4"	17	52	27	30	13	180	10	G 34-196 TQ
1" = 25 x 5	G 1"	22	58	36	36	14	220	10	G 10-255 TQ
1" = 25 x 7	G 1"	22	58	36	36	14	230	10	G 10-257 TQ

Assembly instructions for thread ferrules (© catalogue page 182)

Other sizes on request



New!



Hose Clamps and Clips
High Performance Hose Clips
Sockets
Crimping Machine



For hose assembly of fittings different assembly methods from strong clamps to light clips or sockets can be used according to application, medium, pressure or hose material.

The necessary method depends on criterions like safety instructions, removable or not, quickness, necessary devices (e.g. crimping machine), or no danger of hurt (e.g. by overstanding screws).



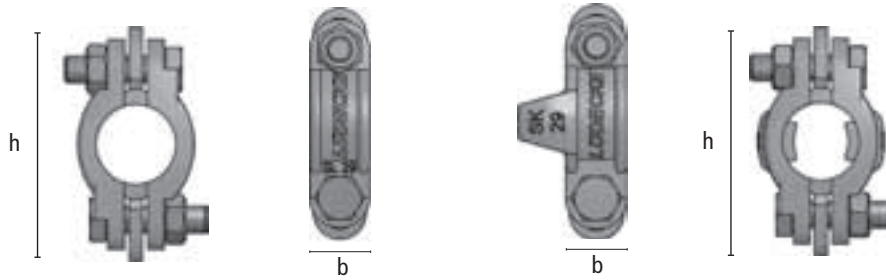
Content

- 47 **Hose Clamps of malleable iron**
- 48 **US-Hose Clamps of malleable iron**
- 48 **Two-Ear-Hose Clips**
- 49 **High Performance Hose Clips:**
- 49 **DIN 3017 of Steel W1**
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Hose Clamps

New!

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



Max. Working Pressure	Material	Material Screws	Norm
PN 16 / 25 bar	malleable iron	DIN 933-8.8 VG	☺ below

Hose Clamps, two parts with overlapping cast-on-saddles

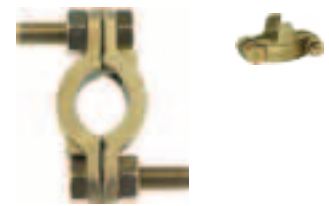
For hose i.D.	Hose o.D./Range	b	h	PN	Weight/pc. g	☰	Type No.
1/2" = 13 mm	17–22 mm	17	60	16	95	10	S 22
3/4" = 19 mm	27–32 mm	17	70.5	16	105	10	S 34

Hose Clamps DIN 20039 A*, two parts with loose saddles

For hose i.D.	Hose o.D./Range	b	h	PN	Weight/pc. g	☰	Type No.
1/2" = 13 mm	22–29	18	63	16	128	10	SL 29*
3/4" = 19 mm	28–34	18	71	16	134	10	SL 34*
1" = 25 mm	32–40	18	81	16	188	10	SL 40*
1 1/4" = 32 mm	39–49	20	91	16	244	10	SL 49*
1 1/2" = 38 mm	48–60	24	108	16	297	5	SL 60*
2" = 50 mm	56–72	25	116	16	340	5	SL 72
2" = 50 mm	60–76	25	127	16	405	5	SL 76*
2 1/2" = 63 mm	77–94	30	146	16	556	5	SL 94*
3" = 75 mm	89–101	25	139	16	665	1	SL 400
3" = 75 mm	94–115	35	176	16	739	1	SL 115
3 1/2" = 89 mm	113–127	27	170	16	890	1	SL 525
3 1/2" = 89 mm	115–145	38	198	16	1046	1	SL 145
4" = 100 mm	127–140	28	178	16	972	1	SL 550
4" = 100 mm	135–155	27	194	16	984	1	SL 600
5" = 125 mm	155–175	30	217	16	1130	1	SL 675
6" = 150 mm	175–195	30	244	16	1445	1	SL 769
7" = 175 mm	210–225	35	280	16	2163	1	SL 875
8" = 200 mm	227–250	35	312	16	2610	1	SL 988

Hose Clamps DIN 20039 B, two parts with loose saddles and safety claws

For hose i.D.	Hose o.D./Range	b	h	PN	Weight/pc. g	☰	Type No.
1/2" = 13 mm	22–29	18	63	25	142	10	SK 29
3/4" = 19 mm	28–32	21	77	25	220	10	SK 34
1" = 25 mm	35–42	22	90	25	272	10	SK 39
1 7/64" = 28 mm	42–45	24	98	25	340	5	SK 44
1 3/8" = 35 mm	45–53	25	108	25	380	5	SK 51
1 5/8" = 42 mm	55–60	26	119	25	416	1	SK 60
2" = 50 mm	60–73	30	132	25	637	1	SK 73
3" = 75 mm	86–102	28	160	25	860	1	SK 75



US-Hose Clamps

New!

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



Max. Working Pressure	Material screws	Material
PN 25 bar	DIN 933-8.8 VG	malleable iron

US-Hose Clamps, two parts with safety claws

For hose i.D	Screws	Hose o.D./Range	b	h	PN	Weight/pc. g	⊞	Type No.
1/2" = 13 mm	2	21–27	55	45	25	171	10	LB-4
3/4" = 19 mm	2	30–35	65	43	25	176	10	SKA 34
3/4" = 19 mm	2	30–33	70	64	25	405	1	LBU-9
3/4" = 19 mm	2	33–38	71	70	25	413	1	LB-9
3/4" = 19 mm	2	38–43	78	68	25	433	1	LB-10
1" = 25 mm	2	35–45	85	70	25	500	1	SKA 10
2" = 50 mm	4	63–70	120	100	25	1503	1	LBU-29

Two-Ear Hose Clips

New!

- Profile according to DIN 2393 C
- Clips of special reliable steel, zinc plated and blue chromated (free of chrome VI)
- Easy and fast assembly with pincer
- Concentric and strong clamp-effect, safe and unremovable
- No danger of hurt during assembly or work
- Suitable for various hoses and fittings for different fluids

Material	Medium	⊞
special reliable steel	various	100

Two-Ear-Hose Clips



Hose o.D./Range	band-width	Weight/pc. g	Type No.
5–7 mm	5.5 mm	1	ZOS 5-7
7–9 mm	6 mm	2	ZOS 7-9
9–11 mm	6 mm	2	ZOS 9-11
11–13 mm	6 mm	3	ZOS 11-13
13–15 mm	7 mm	4	ZOS 13-15
14–17 mm	7.5 mm	4	ZOS 14-17
15–18 mm	8 mm	5	ZOS 15-18
17–20 mm	8 mm	5	ZOS 17-20
19–21 mm	7 mm	5	ZOS 19-21
20–23 mm	9 mm	8	ZOS 20-23
22–25 mm	9 mm	9	ZOS 22-25
23–27 mm	9 mm	9	ZOS 23-27
25–28 mm	9 mm	10	ZOS 25-28
27–31 mm	9 mm	12	ZOS 27-31
31–34 mm	9 mm	13	ZOS 31-34
34–37 mm	9 mm	16	ZOS 34-37
37–40 mm	9 mm	17	ZOS 37-40
40–43 mm	9 mm	18	ZOS 40-43

Special assembly pincer	332	ZOSZ
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High-Performance Hose Clips

DIN 3017 of Steel W1

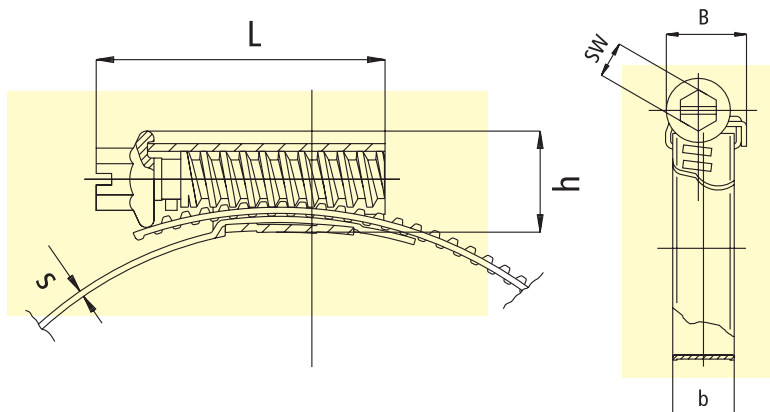
Improved Execution!

- Hose clips of steel W1, chrome-VI-free zinc plated and 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 on loose
- For safe, fast and removable use on various hoses and fittings for different fluids

Material	Norm	Medium	Hexagon
W 1	DIN 3017	various	SW 7

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

Range mm	inch	torque		B	h	L	Weight/pc. g	Type No.		
		Band-width b	Band-thickness s							
8-12	5/18"-1/2"	9	2 + 0.5	0.7	14	11.5	20.5	12	100	HS 12
10-16	5/18"-5/8"	9	2 + 0.5	0.8	14	11.5	20.5	13	100	HS 16
12-22	1/2"-3/4"	9	3 + 0.5	0.8	14	11.5	24	16	100	HS 20
16-27	5/8"-1"	9	5 + 0.5	0.8	16	13	31	17	100	HS 25
20-32	3/4"-1 1/4"	12	5 + 0.5	0.8	16	13	31	27	50	HS 32
25-40	1"-1 5/8"	12	5 + 0.5	1.0	16	13	31	32	50	HS 40
30-45	1 3/8"-1 3/4"	12	5 + 0.5	1.0	16	13	31	33	50	HS 45
35-50	1 1/4"-2"	12	5 + 0.5	1.0	16	13	31	35	50	HS 50
40-60	1 5/8"-2 3/8"	12	5 + 0.5	1.0	16	13	31	39	25	HS 60
50-70	2"-2 3/4"	12	5 + 0.5	1.0	16	13	31	43	25	HS 70
60-80	2 3/8"-3 1/8"	12	5 + 0.5	1.0	16	13	31	45	25	HS 80
70-90	2 3/4"-3 1/2"	12	5 + 0.5	1.0	16	13	37	52	25	HS 90
80-100	3 1/8"-4"	12	5 + 0.5	1.0	16	13	37	53	10	HS 100
90-110	3 1/2"-4 3/8"	12	5 + 0.5	1.0	16	13	37	53	10	HS 110
100-120	4"-4 3/4"	12	5 + 0.5	1.0	16	13	37	58	10	HS 120
110-130	4 3/8"-5 1/8"	12	5 + 0.5	1.0	16	13	37	60	10	HS 130
120-140	4 3/4"-5 1/2"	12	5 + 0.5	1.0	16	13	37	63	10	HS 140
130-150	5 1/8"-5 7/8"	12	5 + 0.5	1.0	16	13	37	69	5	HS 150
140-160	5 1/2"-6 1/4"	12	5 + 0.5	1.0	16	13	37	71	5	HS 160
150-170	5 7/8"-6 5/8"	12	5 + 0.5	1.0	16	13	37	74	5	HS 170
160-180	6 1/4"-7"	12	5 + 0.5	1.0	16	13	37	77	5	HS 180
170-190	6 1/2"-7 1/2"	12	5 + 0.5	1.0	16	13	37	79	1	HS 190
180-200	7 1/8"-8"	12	5 + 0.5	1.0	16	13	37	81	1	HS 200
190-210	7 1/2"-8 1/4"	12	5 + 0.5	1.0	16	13	37	86	1	HS 210
200-220	8"-8 3/4"	12	5 + 0.5	1.0	16	13	37	92	1	HS 220
210-230	8 1/8"-9"	12	5 + 0.5	1.0	16	13	37	98	1	HS 230
220-240	8 3/4"-9 3/8"	12	5 + 0.5	1.0	16	13	37	101	1	HS 240
230-250	9"-9 3/4"	12	5 + 0.5	1.0	16	13	37	105	1	HS 250
240-260	9 3/8"-10 1/4"	12	5 + 0.5	1.0	16	13	37	108	1	HS 260
250-270	9 3/4"-10 1/2"	12	5 + 0.5	1.0	16	13	37	112	1	HS 270
260-280	10 1/4"-11"	12	5 + 0.5	1.0	16	13	37	116	1	HS 280



High-Performance Hose Clips

DIN 3017 of Stainless Steel W5

Improved Execution!

- Hose clips of stainless steel W5
- Optimum sealing through high band tension – maximum strip-safety
- Hose-protective through rounded edges
- Thinner screw body with new position, therefore improved torque
- Material and clamp 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 different fluids

Material	Norm	Medium	Hexagon
W 5	DIN 3017	aggressive	SW 7*

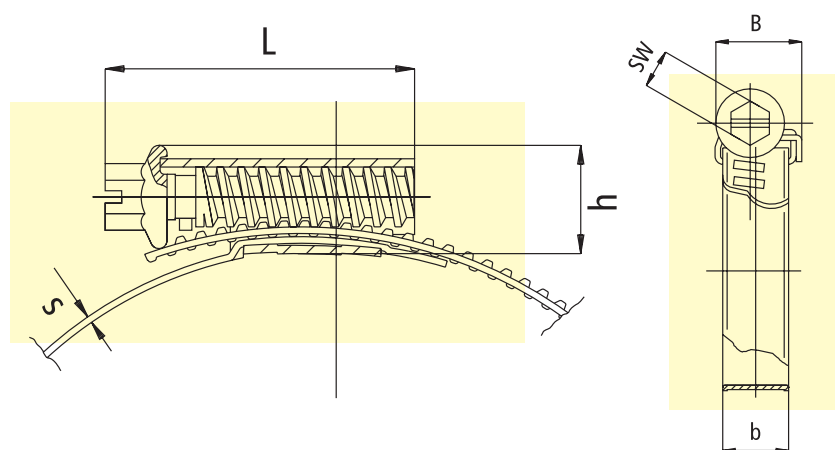
High-Performance Hose Clips, band and lock stainless steel W 5

Range	mm	inch	torque		B	h	L	Weight/pc. g	Type No.		
			Band-width	Band-thickness							
			b	max Nm	s						
8–12		5/18"–1/2"	8	1.5	0.7	10.5	9.5	17	6	100	HSE 12*
8–16		5/18"–5/8"	9	2 + 0.5	0.8	14	14.5	21	11	100	HSE 16
12–20		1/2"–3/4"	9	2 + 0.5	0.8	14	14.5	24	13	100	HSE 20
16–25		5/8"–1"	9	3 + 0.5	0.8	14	14.5	24	14	100	HSE 25
20–32		3/4"–1 1/4"	9	3 + 0.5	0.8	14	14.5	24	15	100	HSE 32
25–40		1"–1 5/8"	9	3 + 0.5	0.8	14	14.5	26	18	50	HSE 40
32–50		1 1/4"–2"	9	3 + 0.5	0.8	14	14.5	26	18	50	HSE 50
40–60		1 5/8"–2 3/8"	9	3 + 0.5	1.0	14	14.5	26	20	25	HSE 60
50–70		2"–2 3/4"	9	3 + 0.5	1.0	14	14.5	26	21	25	HSE 70
60–80		2 3/8"–3 1/8"	9	3 + 0.5	1.0	14	14.5	26	23	25	HSE 80
70–90		2 3/4"–3 1/2"	9	3 + 0.5	1.0	14	14.5	26	25	25	HSE 90
80–100		3 1/8"–4"	9	3 + 0.5	1.0	14	14.5	26	28	10	HSE 100

*HSE 12 Hexagon 6 mm


Special Screw Driver hexagon, SW 7, with plastic handle

Type	Material	Weight/pc. g	Type No.
Rigid	steel chromated	89	SR STARR
Flexible	steel chromated	134	SR FLEX.

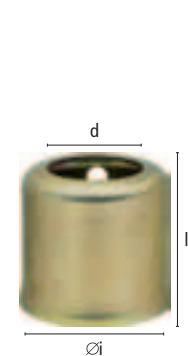


Sockets for Low Pressure Hose Lines

- Sockets 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 danger of hurt, closed and unremovable connection
- For crimping of various hoses and fittings for different fluids

Max. Working Pressure		Material		Medium					
PN 16 bar		red hotted steel		various					
For hoses									
Ø Inside	DIN 20018	Water	PVC	Assembly-		Weight/pc.			Type No.
				Machine	l	d	g		
12.5				SPR 333	17	8.5	3	100	LPH-12,5
13.5			6 x 3	SPR 333	20	9.3	5	100	LPH-13,5
14.5	6 x 3.5			SPR 333	17	10	5	100	LPH-14,5
16			8 x 3	SPR 333	17	11.5	5	100	LPH-16
18	9 x 3.5		10 x 3	SPR 333	20	13.5	7	100	LPH-18
19			12 x 3	SPR 333	20	13.9	9	100	LPH-19
19.5				SPR 333	26	14.5	10	100	LPH-19,5
22				SPR 333	32	17	16	100	LPH-22
23		13 x 3		SPR 333	32	17	18	100	LPH-23
25	13 x 5				32	17	19	100	LPH-25
28	15 x 6				32	20.5	22	100	LPH-28
30.5		19 x 4			33	24.3	24	100	LPH-30
33	19 x 6				35	24.8	40	100	LPH-33
38		25 x 4.5			35	28	47	25	LPH-38
41	25 x 7				40	30	64	25	LPH-41

For higher Working Pressure we recommend hydraulic crimping with turned steel-sockets type PH (☺ catalogue page 59) or on request.



Hand-operated Assembly Machine for low pressure sockets

- 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 socket through centric crimping of the socket
- **Cheap:** Fast assembling at reasonable costs
- **Safe:** Improved safety through perfect fit
- **Elegant:** Reduced danger of hurt
- With two crimping-jaw sets for crimping range from 3 to 20 mm and from 10 to 20 mm,
- **Flexible:** For mobile use

For hoses					
Hose i.D.	Hose o.D.	Suitable socket	e.g. for fitting	Weight/pc. kg	Type No.
3–20 mm	10–22 mm	LPH 12,5-23	Pneumatic-Connect., Quick-Couplings	12,2	SPR-333





The principle of the Mortar Coupling is similar to Kamlok Couplings, but both are not interchangeable.

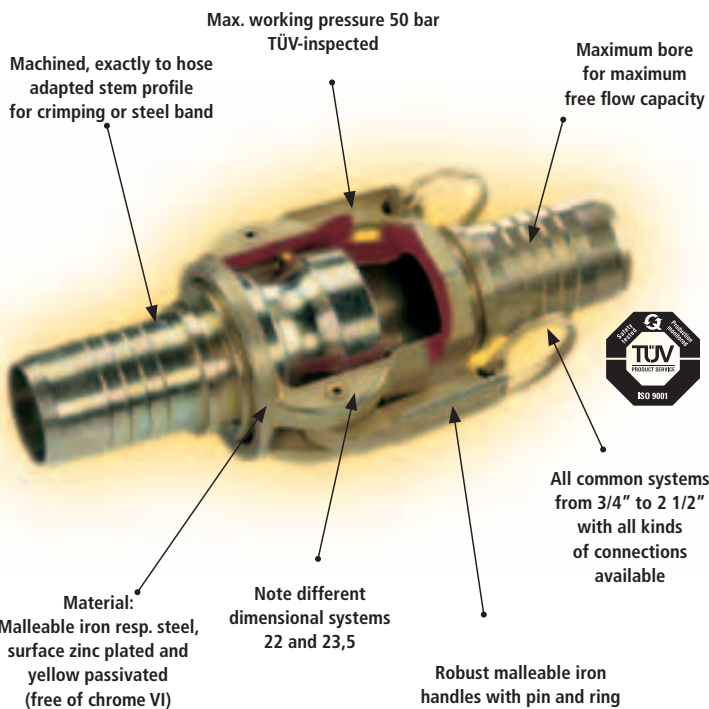
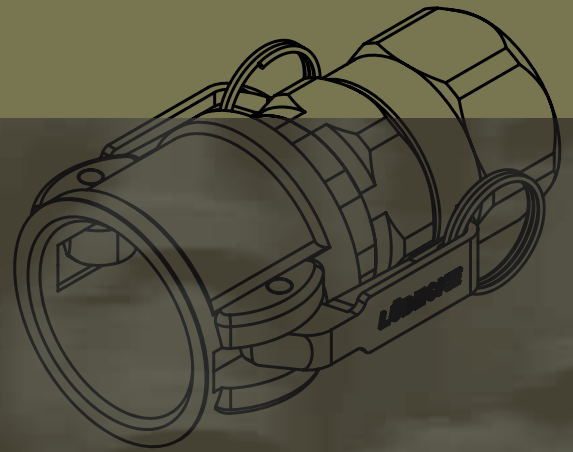
Asymmetrical female and male parts made of malleable iron or steel are locked by two handles. Please note the two different systems used in the market!

At a working pressure of 50 bar exact hose assembly with precisely machined hose stems is absolutely necessary. For safety reasons we recommend to use hydraulic crimping sockets.

To ease daily work one part of the coupling system should be a swivelling type to avoid hose twist of the rigid mortar hoses

Mortar Couplings

Mortar Plugs



Content

- 53 Mortar Couplings – of Aluminium
- 53 Mortar Couplings - System "Mai"
- 54 Standard Mortar Couplings of malleable iron / steel
- 56 Standard Mortar Plugs of malleable iron / steel
- 58 Mortar Hose Couplings and Plugs for hydraulic crimping



Mortar Couplings of Aluminium

Type Size X25, rigid and swivelling

New!

- Mainly used directly at the spraying nozzle, 60 % weight reduction compared with steel execution, therefore essentially easier application
- Swivelling execution three parts, lead in teflon slide, therefore extremely robust and tight
- Swivelling principle avoids hose twist of the rigid mortar hoses for much easier application

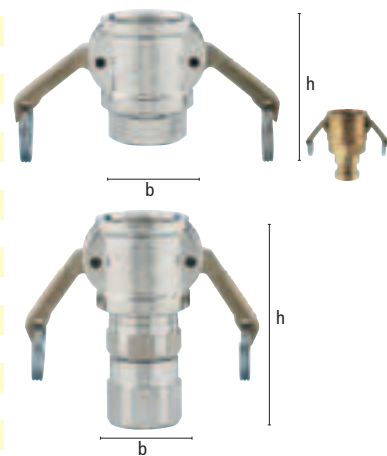
Max. Working Pressure	Material	Medium	Mat. Seal	Thread	System	
PN 40 bar	Aluminium	mortar / Concrete	Perbunan/Teflon	ISO 228	X25 (22)	1

Coupling with female thread

Thread	b	h	System	Type-Size	Ident-Size	Weight/pc. g	Type No.
G 1"	70	72	rigid	X25	42	290	MIG 10-X25 A
G 1"	70	120	swivelling	X25	42	405	MIG 10-X25 ADR

*Rubber rings Type No. MDR-X25 and handles Type No. MNH-630 (© catalogue page 55)

*Female thread sealing ring material polyurethane



Mortar Couplings

interchangeable with system "Mai"

New!

Max. Working Pressure	Material	Medium	Mat. Seal	Threads	
PN 50 bar	mall. iron / steel	mortar / concrete	Perbunan	ISO 228	1

Coupling with female thread and 1 handle

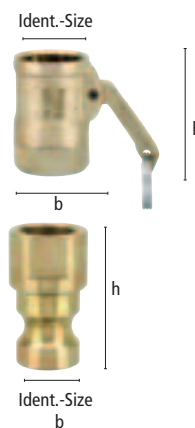
Thread	h	b	Ident-Size	Weight/pc. g	Type No.
G 1"	70	55	38	375	MIG 10-MA

Rubber rings, type no. EDR-100-BU (© catalogue page 68)

Plug with female thread

Thread	h	b	Ident-Size	Weight/pc. g	Type No.
G 1"	80	46	37.5	405	VIG 10-MA

For hose connection use screwing stems for steel band (© catalogue page 57) or crimping sockets (© catalogue page 59)



Standard-Mortar Couplings

of malleable iron / steel, rigid and swivelling



New!

- Swivelling execution three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application



- Couplings of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- TÜV-inspected
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying-devices, plastering machines a.o.
- Other swivelling types on request!

New!



System 22
(for all type-sizes)



System 23.5
(only type-sizes 35 and 50!)

Max. Working Pressure	Material	Medium	Mat. Seal	Threads	TÜV-Inspected	
PN 50 bar	malleable iron / steel	mortar / concrete	Perbunan	ISO 228	all types	1

System 22 System 23.5

Couplings with hose stem (full passage)

Hose i.D.	b	h	Type-Size	Ident.-Size	Weight/pc. g	Type No.	Type No.
25 mm	55	120	25	35.5	477	MST 25**	same dimension
25 mm	74	138	X25	42	778	MST-X25	same dimension
35 mm	77	132	35	51	795	MST 35	MST 35-N
35 mm	77	152	35	51	970	MST 35-DR	MST 35-N-DR
38 mm	77	146	35	51	903	MST 38/35	MST 38/35-N
42 mm	84	144	42	54	960	MST 42	same dimension
50 mm	94	140	50	64	1195	MST 50	MST 50-N
65 mm	105	185	65	74	2172	MST 65*	same dimension

Couplings with hose stem (reduced passage)

Hose i.D.	b	h	Type-Size	Ident.-Size	Weight/pc. g	Type No.	Type No.
19 mm	55	122	25	35.5	512	MST 25/19 R**	same dimension
19 mm	74	125	X25	42	760	MST-X25/19 R	same dimension
25 mm	77	138	35	51	783	MST 35/25 R	MST 35/25 R-N
35 mm	94	160	50	64	1495	MST 50/35 R	MST 50/35 R-N
42 mm	94	160	50	64	1510	MST 50/42 R	MST 50/42 R-N

Couplings with female thread

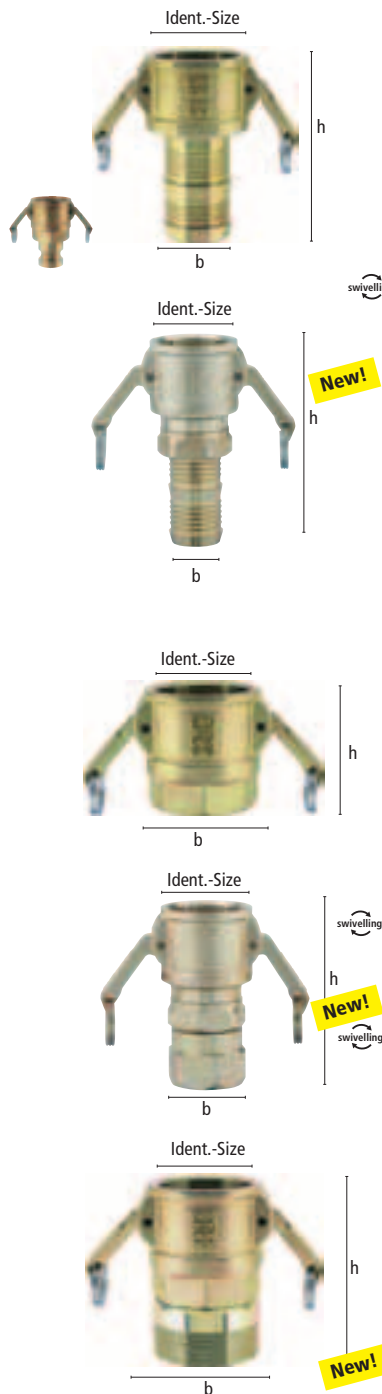
Thread	b	h	Type-Size	Ident.-Size	Weight/pc. g	Type No.	Type No.
G 1"	55	70	25	35.5	652	MIG 10/25**	same dimension
G 1"	74	73.5	X25	42	652	MIG 10-X25	same dimension
G 1"	77	74	35	51	770	MIG 10/35	MIG 10/35-N
G 1 1/4"	77	74	35	51	648	MIG 54/35	MIG 54/35-N
G 1 1/4"	77	125	35	51	1170	MIG 54/35-DR	MIG 54/35-N-DR
G 1 1/2"	77	74	35	51	766	MIG 15/35	MIG 15/35-N
G 1 1/2"	84	66	42	54	730	MIG 15/42	same dimension
G 2"	94	79	50	64	990	MIG 20/50	MIG 20/50-N
G 2"	94	135	50	64	1550	MIG 20/50-DR	MIG 20/50-N-DR
G 2 1/2"	105	81	65	74	1027	MIG 25/65*	same dimension

Couplings with male thread

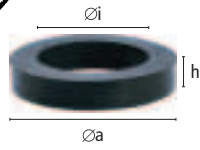
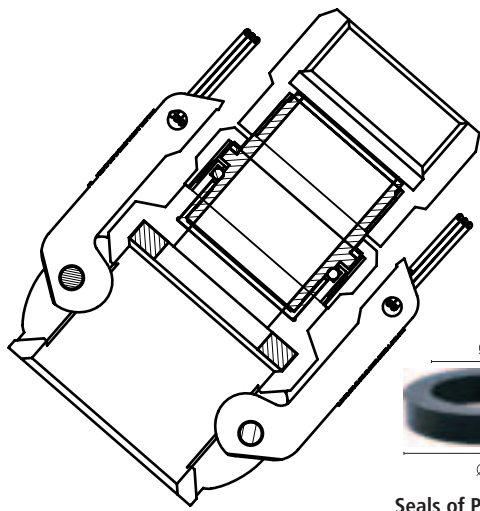
Thread	b	h	Type-Size	Ident.-Size	Weight/pc. g	Type No.	Type No.
G 1"	55	91	25	35.5	485	MAG 10/25**	same dimension
G 1"	74	90	X25	42	735	MAG 10-X25	same dimension
G 1 1/4"	77	93	35	51	793	MAG 54/35	MAG 54/35-N
G 1 1/2"	84	98	42	54	935	MAG 15/42	same dimension
G 2"	94	113	50	64	1420	MAG 20/50	MAG 20/50-N
G 2 1/2"	94	119	50	64	1620	MAG 25/50	MAG 25/50-N

* max. working pressure for type-size 65 PN 25 bar

** type-size 25 with one handle



Mortar Couplings



Seals of Perbunan
55° Shore A



Handle with safety-ring and
slotted pin of steel

Suitable spare parts
(Packing Unit: 10 pcs.)

Øa	Øi	h	Type No.	E	Type No.
36	24.5	6	MDR 25		MNH-628
43.5	28.5	6	MDR-X25		MNH-630
53.5	36.5	6	MDR 35		MNH-628
53.5	36.5	6	MDR 35		MNH-628
53.5	36.5	6	MDR 35		MNH-628
55	41	6.5	MDR 42		MNH-628
67	51	6	MDR 50		MNH-636
76	61	6.3	MDR 65		MNH-636

Øa	Øi	h	Type No.	Type No.
36	24.5	6	MDR 25	MNH-628
43.5	28.5	6	MDR-X25	MNH-630
53.5	36.5	6	MDR 35	MNH-628
67	51	6	MDR 50	MNH-636
67	51	6	MDR 50	MNH-636

Øa	Øi	h	Type No.	Type No.
36	24.5	6	MDR 25	MNH-628
43.5	28.5	6	MDR-X25	MNH-630
53.5	36.5	6	MDR 35	MNH-628
53.5	36.5	6	MDR 35	MNH-628
53.5	36.5	6	MDR 35	MNH-628
53.5	36.5	6	MDR 35	MNH-628
55	41	6.5	MDR 42	MNH-628
67	51	6	MDR 50	MNH-636
67	51	6	MDR 50	MNH-636
76	61	6.3	MDR 65	MNH-636

Øa	Øi	h	Type No.	Type No.
36	24.5	6	MDR 25	MNH-628
43.5	28.5	6	MDR-X25	MNH-630
53.5	36.5	6	MDR 35	MNH-628
55	41	6.5	MDR 42	MNH-628
67	51	6	MDR 50	MNH-636
67	51	6	MDR 50	MNH-636



Standard-Mortar Plugs

of malleable iron / steel, rigid and swivelling



- Plugs of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI) **New!**
- Turned stem profile for perfect fit of the hose (On request according to drawing or hose sample)
- TÜV-inspected
- Attention: Only same type-size and same system interchangeable!
- For mortar and concrete lines on pumps, spraying-devices, plastering machines a.o.



System 22
(for all type-sizes)



System 23.5
(only type-sizes 35 and 50!)

Max. Working Pressure	Material	Medium	Threads	TÜV-Inspected	
PN 50 bar	malleable iron / steel	mortar / concrete	ISO 228	all types	1

Ident.-Size



Plugs with hose stem (full passage)

Hose i.D.	Type-Size	h	Ident.-Size	Weight/pc. g	System 22		System 23.5	
					Type No.	Type No.		
25 mm	25	110	35	270	VST 25	same dimension		
25 mm	X25	120	41	385	VST-X25	same dimension		
35 mm	X25	125	41	420	VST-X25-DR	same dimension		
35 mm	35	120	49.5	515	VST 35	VST 35-N		
35 mm	35	146	49.5	740	VST 35-DR	VST 35-N-DR		
38 mm	35	120	49.5	470	VST 38/35	VST 38/35-N		
42 mm	42	120	53	450	VST 42	same dimension		
50 mm	50	140	63	925	VST 50	VST 50-N		
50 mm	50	170	63	1230	VST 50-DR	VST 50-N-DR		
65 mm	65	156	73	1352	VST 65*	same dimension		

New!

Plugs with hose stem (reduced passage)

Hose i.D.	Type-Size	h	Ident.-Size	Weight/pc. g	Type No.	Type No.
19 mm	X25	100	41	325	VST-X25/19 R	same dimension
25 mm	35	115	49.5	545	VST 35/25 R	VST 35/25 R-N
35 mm	50	121	63	830	VST 50/35 R	VST 50/35 R-N
42 mm	50	121	63	757	VST 50/42 R	VST 50/42 R-N

Plugs with female thread

Ident.-Size



Thread	Hexagon	Type-Size	h	Ident.-Size	Weight/pc. g	Type No.	Type No.
G 1"	41	25	67	35	280	VIG 10/25	same dimension
G 1"	41	X25	67	41	345	VIG 10-X25	same dimension
G 1"	41	X25	106	41	610	VIG 10-X25-DR	same dimension
G 1 1/4"	50	X25	67	41	386	VIG 54-X25	same dimension
G 1"	50	35	63	49.5	521	VIG 10/35	VIG 10/35-N
G 1 1/4"	50	35	68	49.5	461	VIG 54/35	VIG 54/35-N
G 1 1/4"	50	35	120	49.5	840	VIG 54/35-DR	VIG 54/35-N-DR
G 1 1/2"	55	35	68	49.5	453	VIG 15/35	VIG 15/35-N
G 2"	70	35	74	49.5	665	VIG 20/35	VIG 20/35-N
G 1 1/2"	55	42	62	53	420	VIG 15/42	same dimension
G 1 1/4"	65	50	64	63	820	VIG 54/50	VIG 54/50-N
G 1 1/2"	65	50	64	63	678	VIG 15/50	VIG 15/50-N
G 2"	70	50	71	63	620	VIG 20/50	VIG 20/50-N
G 2"	70	50	130	63	1040	VIG 20/50-DR	VIG 20/50-N-DR
G 2 1/2"	85	50	78	63	960	VIG 25/50	VIG 25/50-N
G 2 1/2"	85	65	78	73	999	VIG 25/65*	same dimension

*max. working pressure for type-size 65 PN 25 bar

Other swivelling types on request

Ident.-Size



New!



New!

Mortar Plugs

- Swivelling execution three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application

						System 22	System 23.5
Plugs with male thread							
Thread	Hexagon	Type-Size	h	Ident.-Size	Weight/pc. g	Type No.	Type No.
G 1"	41	25	76	35	356	VAG 10/25	same dimension
G 1"	41	X25	76	41	382	VAG 10-X25	same dimension
G 1 1/4"	50	35	83	49.5	527	VAG 54/35	VAG 54/35-N
G 1 1/2"	55	42	77	53	525	VAG 15/42	same dimension
G 2"	65	50	90	63	950	VAG 20/50	VAG 20/50-N



Plugs on both sides – system-reducing plug								
Type-Size	with Ident.-Size	to Type-Size	with Ident.-Size	h	Weight/pc. g	Type No.	Type No.	
X25	41	25	35	90	448	VR X25/25	same dimension	
35	49.5	25	35	97	654	VR 35/25	VR 35-N/25	
35	49.5	X25	41	100	690	VR 35/X25	VR 35-N/X25	
42	53	X25	41	90	620	VR 42/X25	same dimension	
42	53	35	49.5	90	650	VR 42/35	VR 42/35-N	
50	63	X25	41	100	955	VR 50/X25	VR 50-N/X25	
50	63	35	49.5	100	955	VR 50/35	VR 50-N/35-N	
50	63	42	53	95	983	VR 50/42	VR 50-N/42	



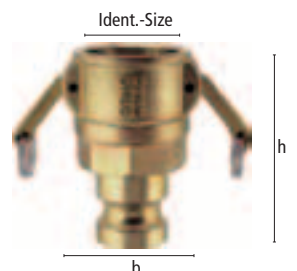
Screwing stems for female thread couplings and plugs

Hose i.D.	Male Thread	h	Weight/pc. g	Type No.
19 mm	G 1"	70	106	MST-X25/19 T
25 mm	G 1"	83.5	128	MST-X25 T
35 mm	G 1 1/4"	91	236	MST 35 T
38 mm	G 1 1/4"	91	210	MST 38/35 T
35 mm	G 2"	107	506	MST 50/35 T
42 mm	G 1 1/2"	97	259	MST 42 T
42 mm	G 2"	106	428	MST 50/42 T
50 mm	G 2"	110	510	MST 50 T
65 mm	G 2 1/2"	130	1145	MST 65 T*



New!

Couplings with plug – system-reducing-adaptors									
Type-Size	with Ident.-Size	Type-Size	with Ident.-Size	b	h	g	Type No.	Type No.	
X25	42	25	35.5	74	132	993	MSA-X25/25	same dimension	
35	51	X25	42	77	133	1154	MSA 35/X25	MSA 35-N/X25	
42	54	35	51	84	135	1270	MSA 42/35	MSA 42/35-N	
50	64	35	51	94	133	1580	MSA 50/35	MSA 50-N/35-N	
50	64	42	54	94	133	1585	MSA 50/42	MSA 50-N/42	



Handles and seals as spare parts (☹ catalogue page 55)

Mortar Hose Couplings and Plugs

of malleable iron / steel for hydraulic hose crimping, rigid and swivelling



- For hydraulic crimping with turned steel sockets
- Safe, closed and unremovable connection of hose and fitting
- Couplings and Plugs of malleable iron / steel, zinc plated and yellow passivated (free of chrome VI)
- Turned stem profile for exact fit of the hose
- Stem-profiles, Sockets and crimping dimensions for special hoses on request according to drawings or hose samples

New!



System 22
(for all type-sizes)



System 23.5
(only type-sizes 35 and 50!)

Max. Working Pressure	Material	Medium	Mat. Seal	Crimping Dimensions	TÜV-Inspected	
PN 50 bar	malleable iron / steel	mortar / concrete	Perbunan	on request	all types	1

								System 22	System 23.5
Couplings with hose stem (full passage)									
For Hose	Type-Size	b	Ident.-Size	h	Suit. Socket	Weight/pc. g	Type No.	Type No.	
25 x 7 mm	25	55	35.5	125	PH-X25	540	MSTP 25*	same dimension	
25 x 7 mm	X25	74	42	128	PH-X25	780	MSTP-X25	same dimension	
35 x 7 mm	35	77	51	135	PH-35	910	MSTP 35	MSTP 35-N	
38 x 7 mm	35	77	51	135	PH-38	910	MSTP 38/35	MSTP 38/35-N	
42 x 7 mm	42	84	54	127	PH-42	974	MSTP 42	same dimension	
50 x 9 mm	50	94	64	145	PH-50	1480	MSTP 50	MSTP 50-N	

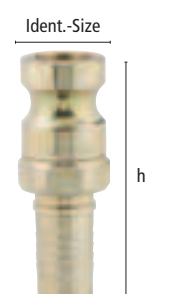
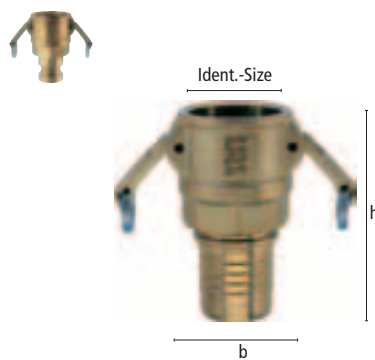
Couplings with hose stem (reduced passage)									
For Hose	Type-Size	b	Ident.-Size	h	Suit. Socket	Weight/pc. g	Type No.	Type No.	
19 x 6 mm	X25	74	42	125	PH-19	780	MSTP-X25/19 R	same dimension	
25 x 7 mm	35	77	51	129	PH-X25	870	MSTP 35/25 R	MSTP 35/25 R-N	
35 x 7 mm	50	94	64	140	PH-35	1480	MSTP 50/35 R	MSTP 50/35 R-N	

Plugs with hose stem (full passage)									
For Hose	Type-Size	Ident.-Size	h	Suit. Socket	Weight/pc. g	Type No.	Type No.		
25 x 7 mm	25	35,5	100	PH-X25	305	VSTP 25	same dimension		
25 x 7 mm	X25	41	104	PH-X25	339	VSTP-X25	same dimension		
25 x 7 mm	X25	41	115	PH-X25 DR	380	VSTP-X25-DR	same dimension		
35 x 7 mm	35	49,5	107	PH-35	522	VSTP 35	VSTP 35-N		
35 x 7 mm	35	49,5	135	PH-35 DR	740	VSTP 35-DR	VSTP 35-N-DR		
38 x 7 mm	35	49,5	107	PH-38	472	VSTP 38/35	VSTP 38/35-N		
42 x 7 mm	42	54	106	PH-42	475	VSTP 42	same dimension		
50 x 9 mm	50	63	113	PH-50	758	VSTP 50	VSTP 50-N		
50 x 9 mm	50	63	145	PH-50 DR	1020	VSTP 50-DR	VSTP 50-N-DR		

Plugs with hose stem (reduced passage)									
For Hose	Type-Size	Ident.-Size	h	Suit. Socket	Weight/pc. g	Type No.	Type No.		
19 x 6 mm	25	35.5	95	PH-19	238	VSTP 25/19 R	same dimension		
19 x 6 mm	X25	41	100	PH-19	345	VSTP-X25/19 R	same dimension		
25 x 7 mm	35	49.5	102	PH-X25	490	VSTP 35/25 R	VSTP 35/25 R-N		
35 x 7 mm	50	63	107	PH-35	820	VSTP 50/35 R	VSTP 50/35 R-N		
42 x 7 mm	50	63	108	PH-42	741	VSTP 50/42 R	VSTP 50/42 R-N		

Other swivelling types on request

* type-size 25 with one handle

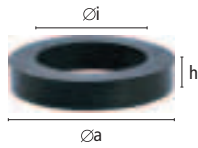


Mortar Hose Couplings and Plugs



New!

- Swivelling execution three parts, lead in teflon slide, extremely robust and tight
- Avoids hose twist of the rigid mortar hoses for much easier application



Seals of Perbunan
55° Shore A



Handle with safety-ring and
slotted pin of steel

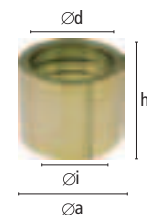
Suitable spare parts
(packing Unit: 10 pcs.)

Øa	Øi	h	Type No.	Type No.
36	24.5	6	MDR 25	MNH-628
43.5	28.5	6	MDR-X25	MNH-630
53.5	36.5	6	MDR 35	MNH-628
53.5	36.5	6	MDR 35	MNH-628
55	41	6.5	MDR 42	MNH-628
67	51	6	MDR 50	MNH-636

Øa	Øi	h	Type No.	Type No.
43.5	28.5	6	MDR-X25	MNH-630
53.5	36.5	6	MDR 35	MNH-628
67	51	6	MDR 50	MNH-636

Crimping Sockets of turned steel for hydraulic crimping (inner profile exactly suitable to hose stem profile)

For Hose	Type-Size	h	Øi	Øa	Weight/pc. g	Type No.
19 x 6 mm	19/25	40	31,5	24,5 38	102	PH-19
25 x 7 mm	X25	50	41	33 50	218	PH-X25
25 x 7 mm	X25	50	41	31,3 50	220	PH-X25 DR
35 x 7 mm	35	55	49	42,5 58	275	PH-35
35 x 7 mm	35	55	49	41 58	280	PH-35 DR
38 x 7 mm	35	55	53	45,5 61	259	PH-38
42 x 7 mm	42	55	56	50,5 65	313	PH-42
50 x 9 mm	50	60	68,5	59,5 75	302	PH-50
50 x 9 mm	50	60	68,5	57 75	310	PH-50 DR



Screwing Stems for hydraulic crimping

For Hose	Male Thread	Suitable Socket	b	h	Weight/pc. g	Type No.
19 x 6 mm	G 1"	PH-19	24	69.5	125	MSTP-X25/19 T
25 x 7 mm	G 1"	PH-X25	32.5	73.5	120	MSTP-X25 T
35 x 7 mm	G 1 1/4"	PH-35	42	80	218	MSTP-35 T
38 x 7 mm	G 1 1/4"	PH-38	45	80	223	MSTP-38/35 T
35 x 7 mm	G 2"	PH-35	42	86	526	MSTP-50/35 T
42 x 7 mm	G 1 1/2"	PH-42	50	80	246	MSTP-42 T
42 x 7 mm	G 2"	PH-42	50	87	452	MSTP-50/42 T
50 x 9 mm	G 2"	PH-50	59	91	497	MSTP-50 T



A coupling system related to claw couplings, always identical head dimensions and therefore always interchangeable.

Couplings of malleable iron are very robust, couplings of nylon are mainly used because of weight reasons.

We generally recommend to use always safety clips or system DSR to avoid accidental opening.

Hose assembly is completed inside the coupling (hose against seal), the hose is then fixed by screws from outside!

Sandblast Couplings

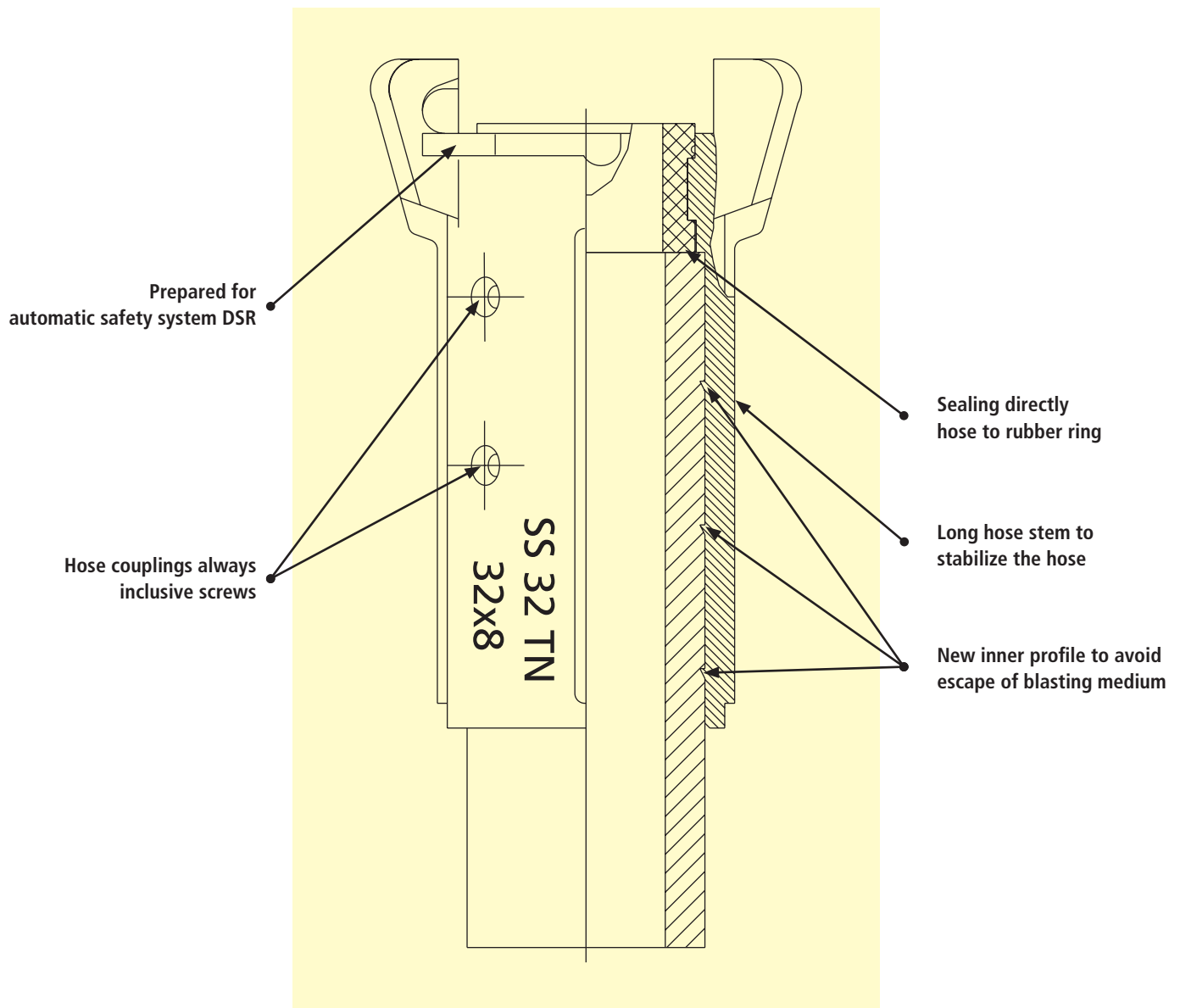


Content

- 61 Advantages of the new type TN
- 62 Sandblast Couplings and Nozzle Holders of malleable iron / aluminium
- 63 Sandblast Couplings and Nozzle Holders of Nylon

Sandblast Couplings and Nozzle Holders

Advantages of the new type "TN"



Sandblast Couplings and Nozzle Holders

New!

- Couplings of malleable iron, zinc plated and yellow passivated (free of chrome VI) resp. of nylon
- Nozzle holders of aluminium resp. nylon
- Hose couplings and nozzle holders generally with screws
- We recommend in all cases to use our safety-clip USC-1 and for all types 'TN' to use the automatic safety system DSR (for nylon couplings always inclusive) for your own security
- Types 'TN' with direct sealing hose to gasket and extended stem with new inner profile to avoid escape of blasting medium
- To be used on all stationary and mobile blasting machines and plants

Max. Working Pressure	Material	Mat. Seal	Medium	Threads	Claw Distance	☒
PN 12 bar	malleable iron / aluminium / nylon	Perbunan	blasting media	ISO 228 / coarse thread	58 mm	1

Hose Couplings of malleable iron

For Hose	h	b	Weight/pc. g	Type No.
19 x 6 mm	100	63	900	SS 19 T*
25 x 7 mm	93	87	481	SS 25 T
32 x 8 mm	135	87	827	SS 32 TN
32 x 8 mm	92	87	570	SS 32 T
38 x 9 mm	129	87	784	SS 38 T
40 x 10 mm	150	87	893	SS 40 T

*KIG 54 (claw distance 42 mm) with screwed-in steel pipe

Female thread Couplings of malleable iron

Thread	h	b	Weight/pc. g	Type No.
G 1 1/4"	62	87	509	SK 38 TN
G 1 1/4"	55	87	392	SK 38 T
G 1 1/2"	62	87	464	SK 38/15 TN
G 1 1/2"	55	87	340	SK 38/15 T
Coarse thread 50 mm	62	87	448	SK 50 TN
Coarse thread 50 mm	55	87	324	SK 50 T
G 2"	84	87	550	SK60 T

Original Rubber Ring for couplings of malleable iron

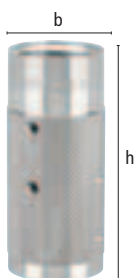
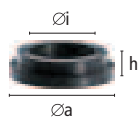
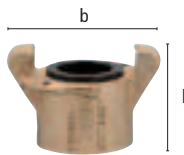
For Type	Material	Colour	Shore h. A	∅ i	∅ a	h	Weight/pc. g	☒	Type No.
...T	Perbunan	black	60°	31	48.5	10.5	11	10	SKD
...TN	Perbunan	black	60°	31	44	27	20	10	SKD-1

Nozzle Holders of aluminium with female thread

For Hose	Thread	l	b	Weight/pc. g	Type No.
32 x 8	G 1 1/4"	130	57	248	SD 32-32 A
32 x 8	Coarse thread 50 mm	130	57	231	SD 50-32 A

Original Spare Parts for couplings and nozzle holders

Type	Material	Characteristic	Weight/pc. g	☒	Type No.
Screws	steel zinc plated	recessed head 4.2 x 13	1	50	SHS
Safety Clip DIN 11024	steel zinc plated	wire ∅ 3 mm	10	50	USC-1
Autom. Safety System	steel zinc plated	wire ∅ 2 mm	6	10	DSR



Sandblast Couplings and Nozzle Holders

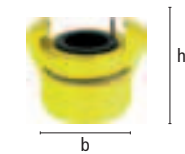
Hose Couplings of Nylon

For Hose	h	b	Weight/pc. g	Type No.
19 x 7 mm	110	51	193	CQP-3/4
25 x 7 mm	110	51	165	CQP-1
32 x 8 mm	136	60	222	CQP-2
38 x 9 mm	136	67	244	CQP-3
42 x 9/40 x 10 mm	136	71	215	CQP-4



Female thread Couplings of Nylon

Thread	h	b	Weight/pc. g	Type No.
G 1 1/4"	63	61	126	CFP
Coarse thread 50 mm	63	61	107	CPF-50



Original Rubber Ring for couplings of Nylon

For Coupling	Material	Colour	Shore h. A	∅i	∅a	h	Weight/pc. g	⊠	Type No.
CQP-3/4	Perbunan	black	60°	19	44	27	20	5	SDR-1
CQP-1	Perbunan	black	60°	25	44	27	17	5	SDR-2
All other types	Perbunan	black	60°	31.5	44	27	18	5	SDR-3



Nozzle Holders of Nylon with female thread

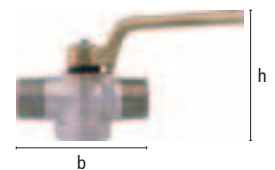
For Hose	Thread	h	b	Weight/pc. g	Type No.
19 x 7 mm	Coarse thread 50 mm	100	49	115	NHP-34
25 x 7 mm	Coarse thread 50 mm	100	51	93	NHP-1
32 x 8 mm	Coarse thread 50 mm	120	59	150	NHP-2
38 x 9 mm	Coarse thread 50 mm	128	66	156	NHP-3
19 x 7 mm	G 1 1/4"	100	51	109	HEP-34
25 x 7 mm	G 1 1/4"	100	51	102	HEP-1
32 x 8 mm	G 1 1/4"	128	59	154	HEP-2
38 x 9 mm	G 1 1/4"	128	66	166	HEP-3



Sandblast Throttle Valve with lever stop, without exhaust, both sides male thread

- Extreme reliable execution with throttle of steel

Inlet	Outlet	DN	h	b	Hexag.	Weight/pc. g	Type No.
1" NPT	1" NPT	16	96	100	37	741	ADA 10 SK





Industrial Couplings and Fittings

Content

- 65 **Kamlok Hose-Quick Couplings and Plugs**
DIN EN 14 420-7 of stainless steel 1.4401 electro polished
- 66 **Kamlok Quick Couplings** of stainless steel
1.4401 DIN EN 14 420-7/MIL-NORM
- 67 **Kamlok Quick Plugs** of stainless steel 1.4401
DIN EN 14 420-7/MIL-NORM
- 68 **Spare Parts for Kamlok Quick Couplings**
- 70 **Thread Stems** DIN EN 14 420-5
of stainless steel 1.4401 electro polished

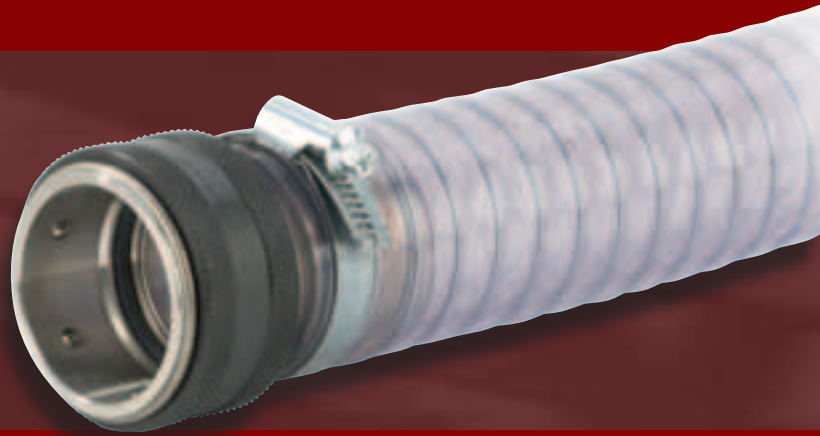
Kamlok Quick Couplings: An asymmetrical coupling system, male and female parts are locked by two handles. Hose assembly for MIL-Norm couplings with standard clamps, for DIN EN 14 420-7 couplings with forged clamps VG 85328.

Thread Stems DIN EN 14 420-5: Universal fittings for connecting hoses, hose assembly with forged clamps.

Forged Clamps VG 85328: Very safe, removable hose assembly method, but only suitable for special adapted fittings and couplings.

Steam Screwings DIN EN 14 423 Universal and absolutely safe assembly of hoses for steam and hot water. One unit of thread stem and robust brass clamp.

Suction Hose Couplings are mainly used for bulk material, f. e. vacuum-conveying of granulate material in the Plastics Industry



- 71 **Forged Safety Clamps** DIN EN 14 420-3 of aluminium
- 71 **Thread Stems** DIN EN 14 420-5 of brass
- 72 **Steam Screwings** DIN EN 14 423
- 75 **Hose Assembly of Steam Screwings**
- 75 **Suction Hose Coupling Systems**
- 76 **SoftFlow Suction Hose Quick Coupling System**

Kamlok Quick Couplings and Plugs

DIN EN 14 420-7 (formerly DIN 2828) of stainless steel 1.4401 electro polished

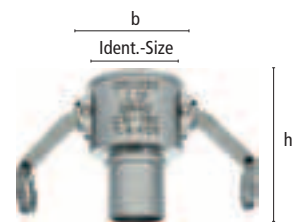
- High quality, robust couplings acc. to DIN EN 14 420-7 for aluminium clamps
- Interchangeable with world-wide used types
- Surface electro polished, Couplings generally with handle securing and safety clips
- Rubber Rings of Perbunan, Hypalon, EPDM and FPM and handles as spare parts available (© catalogue page 68 / 69)
- Hose stem machined
- Attention: only same type-size interchangeable!
- Universal coupling for aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel-, food plants, medicine technique, off-shore or agriculture. EPDM sealing ring with approval for edibles/foods

Max. Working Pressure	Material	Mat. Handle	Mat. Seal	Medium	Norm	Temperature	
PN 16 bar	1.4401	1.4401	Perbunan	aggressive	DIN DN 14 420-7	-40°C – +95°C	1

Couplings with hose stem according DIN EN 14 420-7 Form CC for aluminium clamps

Type-Size	For Hose	DN	b	Ident.-Size	h	For Clamp	Weight/pc. g	Type No.
75 = 3/4"	19 x 6	20	60	32.4	77	KSA 30-33	254	75-CG-SS-BU
100 = 1"	25 x 6	25	66	37.3	83	KSA 36-39	335	100-CG-SS-BU
125 = 1 1/4"	32 x 6	32	77	46	89	KSA 43-46	570	125-CG-SS-BU
150 = 1 1/2"	38 x 6.5	40	82	54	91	KSA 50-53	653	150-CG-SS-BU
200 = 2"	50 x 8	50	95	63.8	103	KSA 63-67	894	200-CG-SS-BU
250 = 2 1/2"	63 x 8	65	107	76.5	120	KSA 78-82	1273	250-CG-SS-BU
300 = 3"	75 x 8	80	132	92.2	127	KSA 89-93	1645	300-CG-SS-BU

Aluminium Clamps (© catalogue page 71)



Plugs with hose stem according DIN EN 14 420-7 Form EC for aluminium clamps

Type-Size	For Hose	DN	Ident.-Size	h	For Clamp	Weight/pc. g	Type No.
75 = 3/4"	19 x 6	20	32.1	70	KSA 30-33	120	75-EG-SS
100 = 1"	25 x 6	25	36.7	78	KSA 36-39	190	100-EG-SS
125 = 1 1/4"	32 x 6	32	45.5	84	KSA 43-46	323	125-EG-SS
150 = 1 1/2"	38 x 6.5	40	53.4	85	KSA 50-53	400	150-EG-SS
200 = 2"	50 x 8	50	63	100	KSA 63-67	586	200-EG-SS
250 = 2 1/2"	63 x 8	65	75.8	113	KSA 78-82	882	250-EG-SS
300 = 3"	75 x 8	80	91.5	120	KSA 89-93	1122	300-EG-SS

Aluminium Clamps (© catalogue page 71)



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 resp. application limit of used pipes or hose lines
- The transition period for the new standard defaults amounts to 3 years

New!



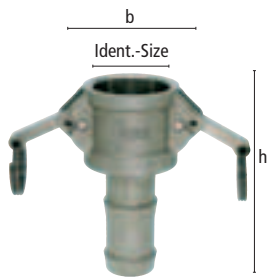
Kamlok Quick Couplings

of stainless steel 1.4401

New!

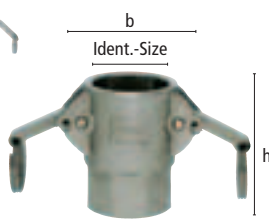
- High quality, robust couplings acc. to US-Mil.-Standard (MIL-C-27487) resp. DIN EN 14 420-7 (formerly DIN 2828)
- Interchangeable with world-wide used types
- Couplings generally with handle securing and safety clips (steel, zinc plated)
- Female threads with thread sealing ring of PTFE
- Seals of Perbunan, Hypalon, EPDM and FPM and handles as spare parts (☺ catalogue page 68 / 69)
- **Universal coupling for aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel-, food plants, medicine technique, off-shore or agriculture**
- **Current information about standards for DIN EN 14 420-7 (☺ catalogue page 65)**

Max. Working Pressure	Material	Mat. Handle	Mat. Seal	Medium	Norm	Threads	Temperature	☺
PN 10 / 16 bar	1.4401	1.4401	Perbunan	aggressiv	MIL / DIN EN	ISO 228 / DIN 2999	-40°C – +95°C	1



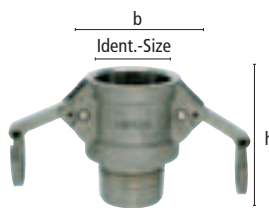
Couplings with hose stem according to US-MIL-Norm

Type-Size	Hose i.D.	b	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	13 mm	40	15	86	24.5	150	50-C-SS-BU *
75 = 3/4"	19 mm	63	20	82	32.4	238	75-C-SS-BU
100 = 1"	25 mm	72	25	97	37.3	358	100-C-SS-BU
125 = 1 1/4"	32 mm	83	32	108	46	600	125-C-SS-BU
150 = 1 1/2"	38/40 mm	90	40	112	54	723	150-C-SS-BU
200 = 2"	50 mm	102	50	130	63.8	846	200-C-SS-BU
250 = 2 1/2"	63 mm	119	65	136	76.5	1214	250-C-SS-BU
300 = 3"	75 mm	135	80	162	92.2	1834	300-C-SS-BU
400 = 4"	100 mm	174	100	163	120.3	3045	400-C-SS-BU



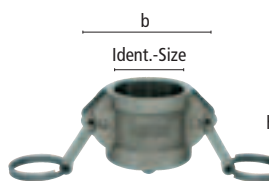
Couplings with female thread DIN EN 14 420-7 form DF and thread sealing ring

Type-Size	Thread	b	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	G 1/2"	40	15	45	24.5	147	50-D-SS-BU *
75 = 3/4"	G 3/4"	63	20	51	32.4	265	75-D-SS-BU
100 = 1"	G 1"	72	25	62	37.3	398	100-D-SS-BU
125 = 1 1/4"	G 1 1/4"	83	32	70	46	773	125-D-SS-BU
150 = 1 1/2"	G 1 1/2"	90	40	71	54	817	150-D-SS-BU
200 = 2"	G 2"	102	50	78	63.8	880	200-D-SS-BU
250 = 2 1/2"	G 2 1/2"	119	65	77	76.5	1221	250-D-SS-BU
300 = 3"	G 3"	135	80	91	92.2	1802	300-D-SS-BU
400 = 4"	G 4"	174	100	85	120.3	2354	400-D-SS-BU



Couplings with male thread DIN EN 14 420-7 form BF

Type-Size	Thread	b	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	R 1/2"	40	15	47	24.5	130	50-B-SS-BU *
75 = 3/4"	R 3/4"	63	20	54	32.4	233	75-B-SS-BU
100 = 1"	R 1"	72	25	64	37.3	343	100-B-SS-BU
125 = 1 1/4"	R 1 1/4"	83	32	70	46	592	125-B-SS-BU
150 = 1 1/2"	R 1 1/2"	90	40	71	54	694	150-B-SS-BU
200 = 2"	R 2"	102	50	77	63.8	708	200-B-SS-BU
250 = 2 1/2"	R 2 1/2"	119	65	85	76.5	1007	250-B-SS-BU
300 = 3"	R 3"	135	80	95	92.2	1438	300-B-SS-BU
400 = 4"	R 4"	174	100	90	120.3	1988	400-B-SS-BU



Dust Caps EN 14 420-7 form DC

Type-Size	b	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	40	15	42	24.5	123	50-DC-SS-BU *
75 = 3/4"	63	20	42	32.4	183	75-DC-SS-BU
100 = 1"	72	25	49	37.3	274	100-DC-SS-BU
125 = 1 1/4"	83	32	57	46	493	125-DC-SS-BU
150 = 1 1/2"	90	40	59	54	559	150-DC-SS-BU
200 = 2"	102	50	63	63.8	756	200-DC-SS-BU
250 = 2 1/2"	119	65	67	76.5	897	250-DC-SS-BU
300 = 3"	135	80	70	92.2	1296	300-DC-SS-BU
400 = 4"	174	100	70	120.3	1898	400-DC-SS-BU

* Type-Size 50 = 1/2" with one handle and without handle securing

Kamlok Quick Plugs

of stainless steel 1.4401

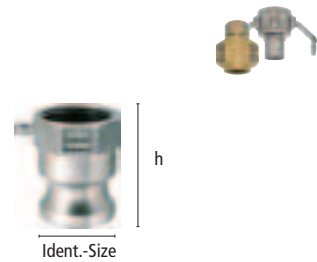
Plugs with hose stem according to US-MIL-Norm

Type-Size	Hose i.D.	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	13 mm	15	87	24	120	50-E-SS
75 = 3/4"	19 mm	20	88	32.1	171	75-E-SS
100 = 1"	25 mm	25	103	36.7	284	100-E-SS
125 = 1 1/4"	32 mm	32	110	45.5	442	125-E-SS
150 = 1 1/2"	38/40 mm	40	116	53.4	563	150-E-SS
200 = 2"	50 mm	50	146	63	812	200-E-SS
250 = 2 1/2"	63 mm	65	148	75.8	1186	250-E-SS
300 = 3"	75 mm	80	167	91.5	1815	300-E-SS
400 = 4"	100 mm	100	175	119.5	2945	400-E-SS



Plugs with female thread DIN EN 14 420-7 form AF and thread sealing ring

Type-Size	Thread	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	G 1/2"	15	41	24	76	50-A-SS
75 = 3/4"	G 3/4"	20	42	32.1	171	75-A-SS
100 = 1"	G 1"	25	52	36.7	222	100-A-SS
125 = 1 1/4"	G 1 1/4"	32	58	45.5	386	125-A-SS
150 = 1 1/2"	G 1 1/2"	40	62	53.4	493	150-A-SS
200 = 2"	G 2"	50	71	63	644	200-A-SS
250 = 2 1/2"	G 2 1/2"	65	75	75.8	945	250-A-SS
300 = 3"	G 3"	80	79	91.5	1320	300-A-SS
400 = 4"	G 4"	100	81	119.5	2118	400-A-SS



Plugs with male thread DIN EN 14 420-7 form FF

Type-Size	Thread	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	R 1/2"	15	49	24	103	50-F-SS
75 = 3/4"	R 3/4"	20	64	32.1	185	75-F-SS
100 = 1"	R 1"	25	72	36.7	258	100-F-SS
125 = 1 1/4"	R 1 1/4"	32	81	45.5	477	125-F-SS
150 = 1 1/2"	R 1 1/2"	40	82	53.4	565	150-F-SS
200 = 2"	R 2"	50	90	63	650	200-F-SS
250 = 2 1/2"	R 2 1/2"	65	105	75.8	1317	250-F-SS
300 = 3"	R 3"	80	104	91.5	1766	300-F-SS
400 = 4"	R 4"	100	114	119.5	2804	400-F-SS



Dust Plugs DIN EN 14 420-7 form DP

Type-Size	DN	h	Ident.-Size	Weight/pc. g	Type No.
50 = 1/2"	15	36	24	73	50-DP-SS
75 = 3/4"	20	39	32.1	93	75-DP-SS
100 = 1"	25	46	36.7	139	100-DP-SS
125 = 1 1/4"	32	55	45.5	260	125-DP-SS
150 = 1 1/2"	40	57	53.4	335	150-DP-SS
200 = 2"	50	60	63	441	200-DP-SS
250 = 2 1/2"	65	66	75.8	657	250-DP-SS
300 = 3"	80	66	91.5	804	300-DP-SS
400 = 4"	100	68	119.5	1525	400-DP-SS

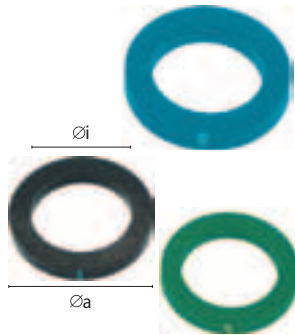


Spare Parts for Kamlok Quick Couplings

according to DIN EN 14 420-7 resp. US MIL-Norm C 27487

Sealing Rings for Kamlok-Couplings

Table of Resistance (© catalogue page 184 / 185)



Material: Perbunan

Colour: black

Type-Size	DN	Øi	Øa	h	⊠	Type No.
50 = 1/2"	15	17.5	27	4	10	EDR-50-BU
75 = 3/4"	20	22	35	5.5	10	EDR-75-BU
100 = 1"	25	27	39	6.5	10	EDR-100-BU
125 = 1 1/4"	32	34.5	49	6.5	10	EDR-125-BU
150 = 1 1/2"	40	41	55	6.5	10	EDR-150-BU
200 = 2"	50	51	66	6.5	10	EDR-200-BU
250 = 2 1/2"	65	60	79	6.5	10	EDR-250-BU
300 = 3"	80	76	95	6.5	10	EDR-300-BU
400 = 4"	100	101	124	6.5	10	EDR-400-BU

Thread Sealing Rings for female thread parts according to DIN EN 14 420-5 resp. 14 420-7

Material: PTFE

Type-Size	Øi	Øa	h	⊠	Type No.
50 = 1/2"	15	21	2	10	GDR-50-PTFE
75 = 3/4"	18	26	2	10	GDR-75-PTFE
100 = 1"	23	33	2	10	GDR-100-PTFE
125 = 1 1/4"	32	42	2	10	GDR-125-PTFE
150 = 1 1/2"	38	48	2	10	GDR-150-PTFE
200 = 2"	49	60	2	10	GDR-200-PTFE
250 = 2 1/2"	63	76	2	10	GDR-250-PTFE
300 = 3"	77	88	3	10	GDR-300-PTFE
400 = 4"	100	114	3	10	GDR-400-PTFE

Sealing Rings of PTFE for female thread fittings of stainless steel

Sealing Rings of PUR for female thread fittings of brass

Cam Lever complete with safety ring and slotted pin for stainless steel Kamlok-Couplings



Type-Size	Weight/pc. g	Material	⊠	Type No.
50 + 75	19	1.4401	10	KAH 1
100	29	1.4401	10	KAH 2
125, 150, 200, 250	68	1.4401	10	KAH 3
300, 400	110	1.4401	10	KAH 4

Chain of stainless steel for Dust Caps and -Plugs



Length	Weight/pc. g	Material	⊠	Type No.
20cm	7	1.4301	10	EKMV-K

New!

Hypalon		EPDM		FPM		PTFE-packed (U-Form) with EPDM-core	
Colour:	blue*	Colour:	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
		with approval for edibles/foods					

New!

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	

*Sizes 50, 250-400 black with colour marking



Thread Stems DIN EN 14 420-5

(formerly DIN 2817) of stainless steel 1.4401 electro polished

- High quality, robust female- and male-thread hose stems according to DIN EN 14 420-5
- Surface electro polished
- Plain hose stem with safety collar for aluminium forged clamps type KSA
- Female threads flat sealing with thread-sealing ring of PTFE (☉ catalogue page 68)
- For direct connection or as adaptor for Kamlok-couplings, tank truck couplings...
- For aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel- or food-plants, medicine technique, off-shore or agriculture

Max. Working Pressure	Material	Mat. Seal	Medium	Norm	Threads	Temperature	☉
PN 25 bar	1.4401	PTFE	aggressive	DIN EN 14 420-5	ISO 228	-40°C – +95°C	1

Male thread stems for safety clamps type KSA

For Hose	Thread	DN	Hexagon	h	Suitable Clamp	Weight/pc. g	Type No.
19 x 6	G 3/4"	20	27	62	KSA 30-33	99	GTA 34-19 SS
25 x 6	G 1"	25	36	63	KSA 36-39	148	GTA 10-25 SS
32 x 6	G 1 1/4"	32	46	63.5	KSA 43-46	210	GTA 54-32 SS
38 x 6.5	G 1 1/2"	40	55	66.5	KSA 50-53	290	GTA 15-38 SS
50 x 8	G 2"	50	*	75.5	KSA 63-67	395	GTA 20-50 SS
63 x 8	G 2 1/2"	65	*	94.5	KSA 78-82	655	GTA 25-63 SS
75 x 8	G 3"	80	*	97.5	KSA 89-93	775	GTA 30-75 SS

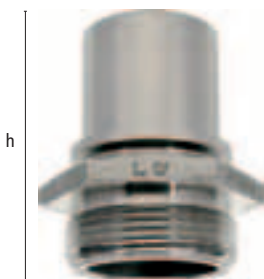
* For hookring according to DIN 1810

Female thread stems for safety clamps type KSA (two parts swivelling)

For Hose	Thread	DN	Hexagon	h	Suitable Clamp	Weight/pc. g	Type No.
19 x 6	G 3/4"	20	30	60	KSA 30-33	92	GTI 34-19 SS
25 x 6	G 1"	25	36	62	KSA 36-39	126	GTI 10-25 SS
32 x 6	G 1 1/4"	32	46	64	KSA 43-46	190	GTI 54-32 SS
38 x 6.5	G 1 1/2"	40	55	67	KSA 50-53	322	GTI 15-38 SS
50 x 8	G 2"	50	65	77	KSA 63-67	440	GTI 20-50 SS
63 x 8	G 2 1/2"	65	85	91	KSA 78-82	837	GTI 25-63 SS
75 x 8	G 3"	80	100	100	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 resp. application limit of used hose lines
- The transition period for new standard defaults amounts to 3 years



New!



Forged Safety Clamps DIN EN 14 420-3 of aluminium

- High quality, robust clamps of forged aluminium
- Easy, safe and removable hose assembly
- Packed loose incl. screws and nuts

Max. Working Pressure	Material	Norm	Material screws	
PN 25 bar	Aluminium	DIN EN 14 420-3	DIN 912-8.8	1

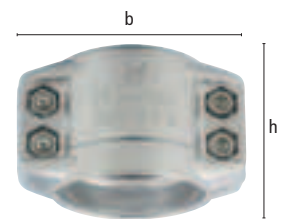
Safety Clamps

For Hose	Hose o.D./Range	b	DN	h	Screws	Weight/pc. g	Type No.
19 x 6	30-33 mm	63	20	50	M 6 x 20	142	KSA 30-33
25 x 6	36-39 mm	69	25	50	M 6 x 20	151	KSA 36-39
32 x 6	43-46 mm	76	32	50	M 6 x 20	162	KSA 43-46
38 x 6.5	50-53 mm	83	40	50	M 6 x 20	167	KSA 50-53
50 x 8	63-67 mm	102	50	56	M 8 x 25	310	KSA 63-67
63 x 8	78-82 mm	120	65	74	M 8 x 25	454	KSA 78-82
75 x 8	89-93 mm	132	80	76	M 8 x 25	486	KSA 89-93
75 x 10	94-97 mm	140	80	76	M 8 x 25	580	KSA 94-97

Other sizes on request.

Hose assembly of forged 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 vic
3. 4 Screws are fixed regularly (rightly dimensioned hoses keep a small slit between clamp halves)



New!



Thread Stems DIN EN 14 420-5 (formerly DIN 2817) of brass MS 58

- High quality, robust male thread hose stems
- Lightly grooved hose stem with safety collar for aluminium forged clamps
- For direct connection or as adaptor for Kamlok-couplings, tank truck couplings.
- To be used for aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel- or food-plants, medicine technique, off-shore or agriculture

Max. Working Pressure	Material	Medium	Norm	Threads	Temperature	
PN 25 bar	MS 58	various	DIN EN 14420-5	ISO 228	-40°C – +95°C	1

Male thread stems for safety clamps type KSA

For Hose	Thread	DN	h	Hexagon	Suitable Clamp	Weight/pc. g	Type No.
13 x 5	G 1/2"	15	62	22	–	70	GTA 12-13 MS
19 x 6	G 3/4"	20	63.5	27	KSA 30-33	105	GTA 34-19 MS
25 x 6	G 1"	25	65	36	KSA 36-39	168	GTA 10-25 MS
32 x 6	G 1 1/4"	32	66	46	KSA 43-46	215	GTA 54-32 MS
38 x 6.5	G 1 1/2"	40	73.5	55	KSA 50-53	382	GTA 15-38 MS
50 x 8	G 2"	50	80	65	KSA 63-67	537	GTA 20-50 MS



Steam Screwings DIN EN 14 423

(formerly DIN 2826)

- Heavy, extreme robust female- and male thread screwings of zinc plated steel, stainless steel 1.4305 or brass MS58
incl. forged safety clamps of brass for steam hoses
- 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)
- Pressure-temperature table saturated steam (☉ catalogue page 187)
- To be used for saturated steam up to +210°C, resp. hot water up to +120°C and up to 18 bar working pressure

Max. Working Pressure	Mat. Screwing	Mat. Clamp	Mat. Seal	Medium	Norm	Threads	Temperature
PN 18 bar	Steel / MS 58 / 1.4305	MS 58	Frenzelit Novatec Spez.	steam / hot water	DIN EN 14423	ISO 228/DIN 2999	up to 210 / 120 °C 1

Male thread screwings of steel (zinc plated and yellow passivated, free of chrome VI) with safty clamp of brass

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	R 1/2"	53	15	95	22	447	DAK 12-13 ST
19 x 7	R 3/4"	68	20	95	27	700	DAK 34-19 ST
25 x 7,5	R 1"	77	25	100	36	933	DAK 10-25 ST
38 x 8	R 1 1/2"	101	40	125	50	1940	DAK 15-38 ST
50 x 9	R 2"	111	50	140	60	2631	DAK 20-50 ST

Male thread screwings of brass MS 58 with safety clamp of brass

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	R 1/2"	53	15	95	22	447	DAK 12-13 MS
19 x 7	R 3/4"	68	20	95	27	700	DAK 34-19 MS
25 x 7,5	R 1"	77	25	100	36	940	DAK 10-25 MS
38 x 8	R 1 1/2"	101	40	125	50	1940	DAK 15-38 MS
50 x 9	R 2"	111	50	140	60	2631	DAK 20-50 MS

Male thread screwings of stainless steel 1.4305 with safety clamps of brass

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	R 1/2"	53	15	95	22	460	DAK 12-13 SS
19 x 7	R 3/4"	68	20	95	27	530	DAK 34-19 SS
25 x 7,5	R 1"	77	25	100	36	670	DAK 10-25 SS

Female thread screwings of steel (zinc plated and yellow passivated, free of chrome VI) with safety clamp of brass

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	G 1/2"	53	15	88	27	480	DIK 12-13 ST
19 x 7	G 3/4"	68	20	92	32	680	DIK 34-19 ST
25 x 7,5	G 1"	77	25	93	41	1022	DIK 10-25 ST
38 x 8	G 1 1/2"	101	40	120	55	1930	DIK 15-38 ST
50 x 9	G 2"	111	50	131	70	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

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	G 1/2"	53	15	88	27	480	DIK 12-13 MS
19 x 7	G 3/4"	68	20	92	32	680	DIK 34-19 MS
25 x 7,5	G 1"	77	25	93	41	1022	DIK 10-25 MS
38 x 8	G 1 1/2"	101	40	120	55	1930	DIK 15-38 MS
50 x 9	G 2"	111	50	131	70	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

For Hose	Thread	b	DN	h	Hexagon	Weight/pc. g	Type No.
13 x 6	G 1/2"	53	15	88	27	530	DIK 12-13 SS
19 x 7	G 3/4"	68	20	92	32	700	DIK 34-19 SS
25 x 7,5	G 1"	77	25	93	41	950	DIK 10-25 SS



b

h



b

h

New!

Steam Screwings DIN EN 14 423

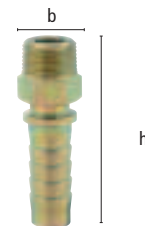
(formerly DIN 2826)

Male and female thread stems

Max. Working Pressure	Mat. Screwing	Mat. Seal	Medium	Norm	Threads	Temperature
PN 18 bar	steel / MS 58/1.4305	Frenzelit Novatec Spez.	steam / hot water	DIN EN 14423	ISO 228/DIN 2999	up to 210 / 120 °C

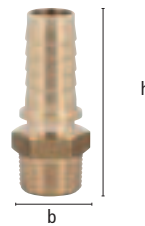
Male thread stems of steel (zinc plated and yellow passivated, free of chrome VI)

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	R 1/2"	15	90	22	KSM 12 D	110	DA 12-13 ST
19 x 7	R 3/4"	20	91	27	KSM 34 D	170	DA 34-19 ST
25 x 7,5	R 1"	25	95	36	KSM 10 D	270	DA 10-25 ST
38 x 8	R 1 1/2"	40	118	50	KSM 15 D	510	DA 15-38 ST
50 x 9	R 2"	50	131	60	KSM 20 D	830	DA 20-50 ST



Male thread stems of brass MS 58

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	R 1/2"	15	90	22	KSM 12 D	120	DA 12-13 MS
19 x 7	R 3/4"	20	91	27	KSM 34 D	185	DA 34-19 MS
25 x 7,5	R 1"	25	95	36	KSM 10 D	280	DA 10-25 MS
38 x 8	R 1 1/2"	40	118	50	KSM 15 D	550	DA 15-38 MS
50 x 9	R 2"	50	131	60	KSM 20 D	900	DA 20-50 MS



Male thread stems of stainless steel 1.4305

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	R 1/2"	15	90	22	KSM 12 D	115	DA 12-13 SS
19 x 7	R 3/4"	20	91	27	KSM 34 D	175	DA 34-19 SS
25 x 7,5	R 1"	25	95	36	KSM 10 D	270	DA 10-25 SS

Other dimensions on request



Female thread stems of steel (zinc plated and yellow passivated, free of chrome VI)

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	G 1/2"	15	82.5	27	KSM 12 D	125	DI 12-13 ST
19 x 7	G 3/4"	20	86.5	32	KSM 34 D	180	DI 34-19 ST
25 x 7,5	G 1"	25	87.5	41	KSM 10 D	280	DI 10-25 ST
38 x 8	G 1 1/2"	40	111.5	55	KSM 15 D	515	DI 15-38 ST
50 x 9	G 2"	50	119.5	70	KSM 20 D	810	DI 20-50 ST



Female thread stems of brass MS 58

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	G 1/2"	15	82.5	27	KSM 12 D	130	DI 12-13 MS
19 x 7	G 3/4"	20	86.5	32	KSM 34 D	200	DI 34-19 MS
25 x 7,5	G 1"	25	87.5	41	KSM 10 D	320	DI 10-25 MS
38 x 8	G 1 1/2"	40	111.5	55	KSM 15 D	570	DI 15-38 MS
50 x 9	G 2"	50	119.5	70	KSM 20 D	890	DI 20-50 MS



Female thread stems of stainless steel 1.4305

For Hose	Thread	DN	h	Hex.	For safety clamp	Weight/pc. g	Type No
13 x 6	G 1/2"	15	82.5	27	KSM 12 D	155	DI 12-13 SS
19 x 7	G 3/4"	20	86.5	32	KSM 34 D	185	DI 34-19 SS
25 x 7,5	G 1"	25	87.5	41	KSM 10 D	265	DI 10-25 SS

Other dimensions on request

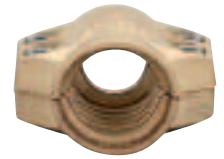


Steam Screwings DIN EN 14 423

(formerly DIN 2826)

Safety Clamps and sealing rings

New!



Max. Working Pressure	Mat. Clamp	Mat. Screws	Medium	Norm	Temperature	
PN 18 bar	MS 58	DIN 912-12.9	satur.steam / hot water	DIN EN 14423	up to 210 / 120 °C	1

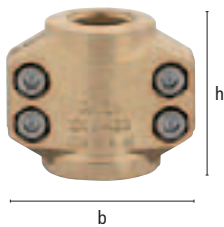
Safety clamps of brass MS 58 (screws DIN 912-12.9 - Dacro 500 A coated)

For hose	b	DN	h	Screws	Weight/pc. g	Type No.
13 x 6	53	15	65	M 6 x 20	336	KSM 12 D
19 x 7	68	20	65	M 8 x 25	499	KSM 34 D
25 x 7,5	77	25	65	M 8 x 25	742	KSM 10 D
38 x 8	101	40	90	M 10 x 40	1430	KSM 15 D
50 x 9	111	50	100	M 10 x 40	1756	KSM 20 D

Suitable for male and female thread stems DIN 14 423 (© catalogue page 73)

Original sealing rings Frenzelit Novatec Spezial for female threads

Thread	Øi	Øa	h		Type No.
1/2"	13	20	2	10	DGI 12
3/4"	18	26	2	10	DGI 34
1"	23	33	2	10	DGI 10
1 1/2"	38	48	2	10	DGI 15
2"	49	60	2	10	DGI 20



Hose assembly of hose lines according to DIN EN 14 423

1. Hose stem (brushed with lubricant if needed)

At hoses with marking M the metallic conductor has to be connected with the screwing.
There should be a short distance between safety collar and hose end to take hose material compressed during assembly.

2. Clamp halves are put in safety collar around the hose and fixed over cross with assembly-help screws.

3. Put in clamp screws and fix over cross.

4. A small, parallel slit should remain between clamp halves.

5. After putting the hose into operation the screws should be fixed again.



Current information about standards:

- DIN 2826 is replaced by DIN EN 14 423.
- The form markings on the parts are adapted accordingly.
- All types are checked using defined test criteria.
- Producer should be certified according to DIN EN ISO 9001 : 2000.
- The transition period for new standard defaults amounts to 3 years.

New!

Suction / Conveying Hose Couplings

We produce exactly measured coupling systems for vacuum or pressure conveyance of different fluids or solids (granulates etc.) using spiral hoses of different makes for interior and external binding. Additionally as pipe connection or as bulkhead fitting (e.g. for distribution devices).

Material: aluminium, stainless steel, steel



Details on request

Measures: 1" to 4"

Mostly with male thread for screwing on of coupling systems Storz, Guillemin or tank truck couplings resp. with direct coupling adaptor system Kamlok

- Our adaptor systems are used successfully mainly in the plastics industry and in agriculture.



SoftFlow Suction Hose Quick Couplings

of stainless steel 1.4305, DN 41

New!

- High quality quick coupling system for pressure-resp. vacuum-conveying of bulk material or liquids, f. e. for vacuum-conveying of granulate materials in the plastics industry
- Stainless Steel for less abrasion
- Coupling sleeve, plug and cap aluminium (hard coated)
- Full free passage
- 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, for other hose dimensions on request
- Plugs for pipe connection with double O-ring sealing and fixing with screw



Max. working pressure	Vacuum	Material	Mat. seals	Temperature	DN	
PN 10 bar	Vacuum	St. steel/aluminium	Perbunan	-15°/+95° C	41	1

SoftFlow Coupling with hose stem

Hose i. D.	l	d	Stem length	Passage	Weight/pc. g	Type No.
38 mm	82	65	45	34	340	GRK 38 T
40 mm	82	65	45	36	340	GRK 40 T
45 mm	82	65	45	41	340	GRK 45 T

For hose clips type HS (© catalogue page 49 / 50)

SoftFlow Coupling with female thread (with thread sealing ring)

Thread	l	d	Passage	Weight/pc. g	Type No.
G 1 1/2"	68	65	41	320	GRK 15 I

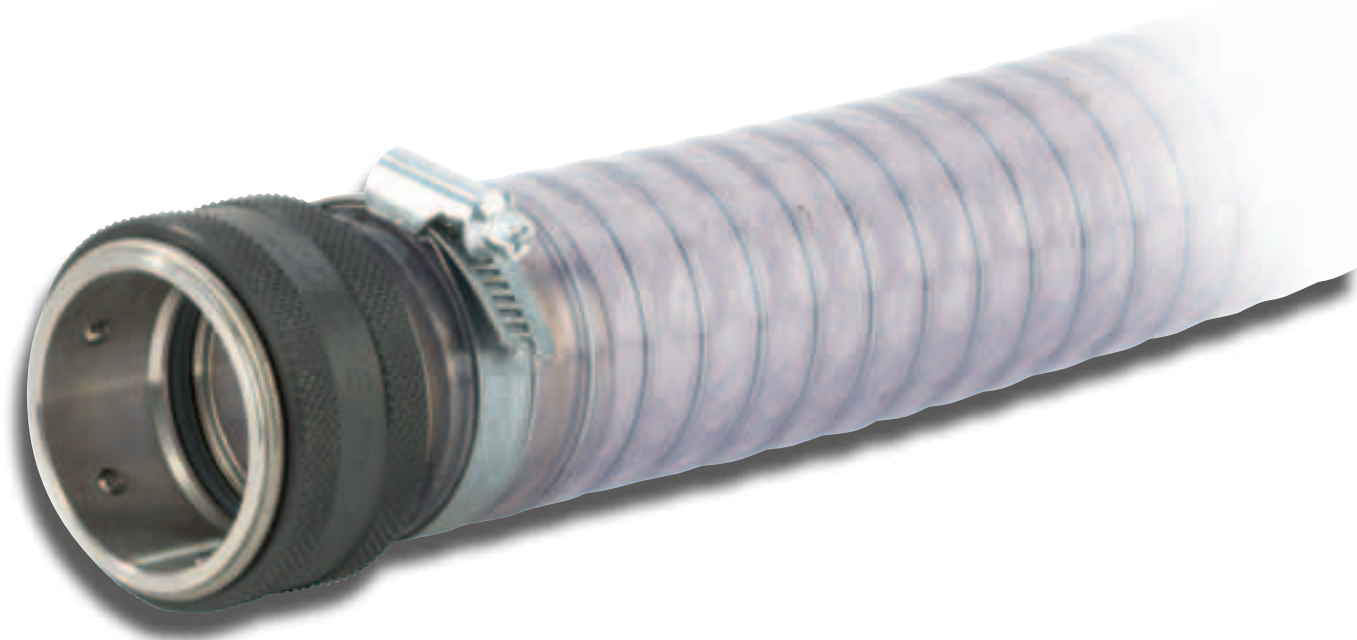
SoftFlow Cap Coupling with chain

l	d	Material chain	Length chain	Weight/pc. g	Type No.
48	58	stainless steel	170	320	GRK-V

Original Sealing Ring for couplings

Type/Size	Material	Weight/pc. g		Type No.
O-Ring 45 x 5 mm	Perbunan	6	10	GRK-D

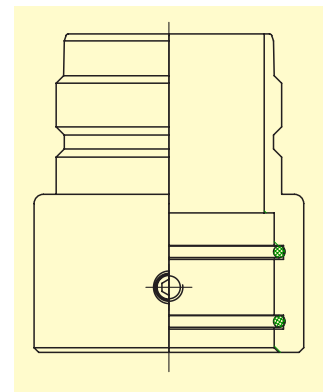
Adapted hose stems for other hose dimensions/ types on request



Materials:

- Coupling body, plugs: Stainless Steel 1.4305
- Coupling sleeve, Cap Coupling and plugs: Aluminium (hard coated)
- Spring, balls, chain, screws: Stainless steel
- Sealing ring: O-Ring Perbunan (Buna-N)

New!



SoftFlow Plug with hose stem

Hose i. D.	l	d	Stem length	Passage	Weight/pc. g	Type No.
38 mm	83	55	45	34	310	GRS 38 T
40 mm	83	55	45	36	315	GRS 40 T
45 mm	83	55	45	41	330	GRS 45 T

SoftFlow Vacuum-Plug for pipe connection*

for Pipe o. D.	l	d	Passage	Weight/pc. g	Type No.
45 mm	68,5	58	41	385	GRS 45 R

Attention: Only suitable for vacuum applications, sealing with O-Ring, fixing with screw

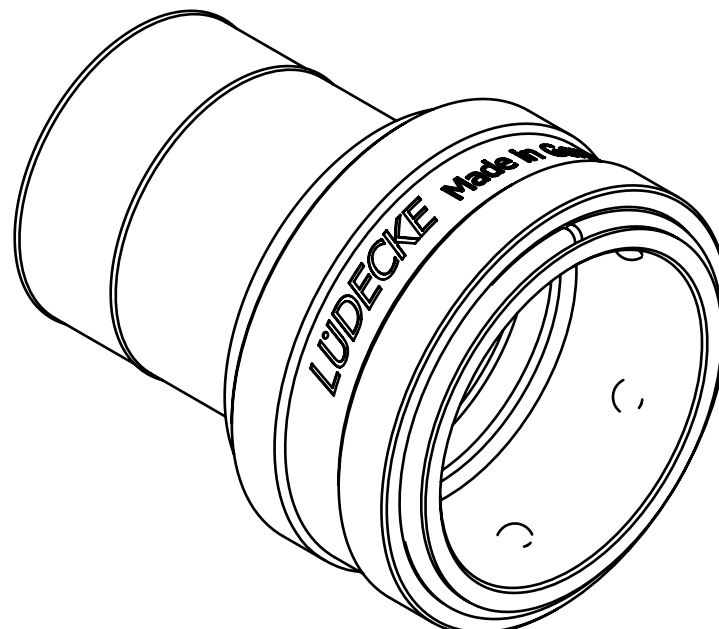
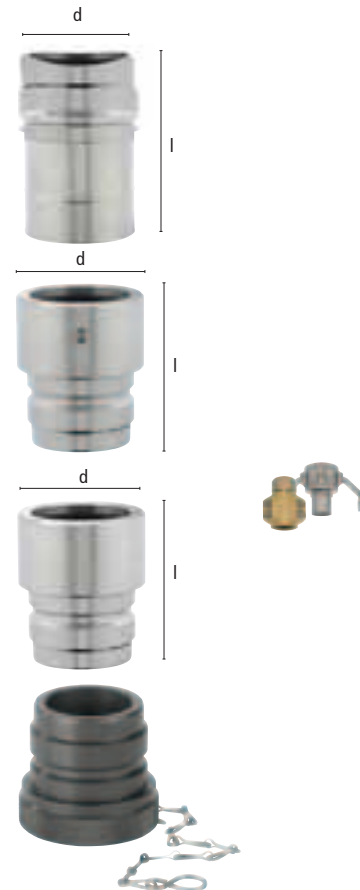
SoftFlow Plug with female thread (with thread sealing ring)

Thread	l	d	Passage	Weight/pc. g	Type No.
G 1 1/2"	65	59	41	350	GRS 15 I

SoftFlow Cap Plug with chain

l	d	Material chain	Length chain	Weight/pc. g	Type No.
60	58	stainless steel	170	195	GRS-V

* Special types/executions, f. e. with bulkhead-screwing, plug- or colour-codings, other sizes on request



LÜDECKE

let it snow !

***SNOW MASTER* High-Pressure Quick Couplings**

Special Coupling System "Kamlok" to be used on snow pump installations or other high pressure applications with working pressure up to PN 60 bar

Content

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SNOW MASTER

High-Pressure Coupling Systems for Snow Pump Installations

Hose Connections

Exact list of available hose types and crimping sockets on request!

Optimized stem outlines for different hose assembly methods



Stem outline for hose assembly with forged safety clamps type KSA (☺ catalogue page 80)
Attention: Not possible for each flat hose, usually a cover hose is required!
No TÜV-inspection for this assembly method!



Stem outline for hydraulic hose crimping with turned steel crimping sockets type PH (☺ catalogue page 80)



Stem outline for steel band



Stem outline for steel wire

Our stem outlines are exactly adapted to different hose types and are developed for different assembly methods. They are tested by our quality department on our inspection devices and are working with perfect results in practice since years.

Our coupling systems guarantee best safety at work for snow making equipment under extreme environmental conditions (snow, ice, sun, huge temperature variation) and offer best protection against accidents at high-pressure applications.

For each order the exact hose type and chosen assembly method has to be notified to choose the suitable hose stem execution!

High-Pressure Quick Couplings of stainless steel 1.4401 – System Kamlok PN 60 bar

New Types!



- High-Pressure type, coupling dimensions according to US-Mil-Norm (C-27487) resp. DIN 2828
- Essentially stronger housing
- Handle securing with robust chain and safety clip
- Investment casted handle with high-pressure pins crimped on both sides
- 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**

Max. Working Pressure	Material	Mat. Handle	Mat. Seal	Medium	Norm	Threads	Temperature	
PN 60 bar **	1.4401	1.4401	Perbunan	liquids	MIL / DIN	ISO 228 / DIN 2999	-40°C – +95°C	1

Couplings with hose stem for flat hoses or rubber hoses

Type-Size	Hose i. D.	DN	Ident-Size	Weight/pc. g	Type No.
100 = 1"	25-28 mm	25	37.3	380	SKK 100-T
150 = 1 1/2"	38-40 mm	40	54	635	SKK 150-T
200 = 2"	50-54 mm	50	63.8	990	SKK 200-T
200 = 2"	38-40 mm	40	63.8	1360	SKK 200/150-T *
250 = 2 1/2"	63-67 mm	65	76.5	2800	SKK 250-T **

Plugs with hose stem for flat hoses or rubber hoses

Type-Size	Hose i. D.	DN	Ident-Size	Weight/pc. g	Type No.
100 = 1"	25-28 mm	25	36.7	230	SKS 100-T
150 = 1 1/2"	38-40 mm	40	53.4	425	SKS 150-T
200 = 2"	50-54 mm	50	63	740	SKS 200-T
200 = 2"	38-40 mm	40	63	1080	SKS 200/150-T *
250 = 2 1/2"	63-67 mm	65	75.8	2450	SKS 250-T **

Attention: For 1 1/2" and 2" hose connection each 9 different stem outline types and sizes are available as standard execution! 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 execution! For new stem outlines: minimum quantity is 50 sets.

Hose assembly methods:

Crimping sockets of steel (zinc plated) for hydraulic crimping

For Type-Size	Hose Type	Weight/pc. g	Type No.
1"	flat hose	180	PH-100-S F
1"	rubber hose	215	PH-100-S G
1 1/2"	flat hose	219	PH-150-S F
1 1/2"	rubber hose	333	PH-150-S G
2"	flat hose	240	PH-200-S F
2"	rubber hose	360	PH-200-S G
2 1/2"	flat hose	370	PH-250-S F
2 1/2"	rubber hose	450	PH-250-S G

Attention: Notify exact hose type and -size!

Forged Safety Clamps (Aluminium) DIN EN 14 420-3

For Type-Size	Material screws	Weight/pc. g	Type No.
1"	DIN 912-8.8	151	KSA 36-39
1 1/2"	DIN 912-8.8	167	KSA 50-53
2"	DIN 912-8.8	310	KSA 63-67
2 1/2"	DIN 912-8.8	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.

(*screwed with thread stem of steel)

(** Type-Size 250 max. Working Pressure 40 bar)

Optional Stem-Types

for steelband for crimping socket

New!

New!

New!

New!

for wire

for safety clamp



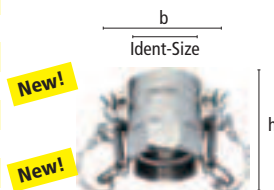
High-Pressure Quick Couplings



crimping socket safety clamp assembly wire

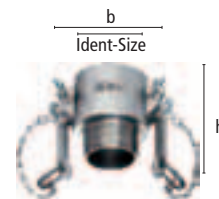
Couplings with female thread and thread sealing ring

Type-Size	Thread	DN	b	Ident.-Size	h	Weight/pc. g	Type No.
100 = 1"	G 1	25	70	37.3	63	450	SKK 100 I
150 = 1 1/2"	G 1 1/2"	40	93	54	73	850	SKK 150 I
200 = 2"	G 2"	50	102	63.8	78	920	SKK 200 I
250 = 2 1/2"	G 2 1/2"	65	110	76.5	78	1300	SKK 250 I**



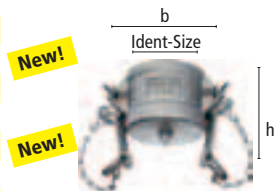
Couplings with male thread

Type-Size	Thread	DN	b	Ident.-Size	h	Weight/pc. g	Type No.
150 = 1 1/2"	R 1 1/2"	40	93	54	67	740	SKK 150 A
200 = 2"	R 2"	50	102	63.8	79	944	SKK 200 A



Dust Caps

Type-Size	DN	b	Ident.-Size	h	Weight/pc. g	Type No.
100 = 1"	25	70	37.3	49	390	SKK 100 DC
150 = 1 1/2"	40	93	54	59	480	SKK 150 DC
200 = 2"	50	102	63.8	63	680	SKK 200 DC
250 = 2 1/2"	65	110	76.5	67	920	SKK 250 DC**



Plugs with female thread and thread sealing ring

Type-Size	Thread	DN	Ident.-Size	h	Weight/pc. g	Type No.
100 = 1"	G 1"	25	36.7	52	222	100-A-SS
150 = 1 1/2"	G 1 1/2"	40	53.4	62	493	150-A-SS
200 = 2"	G 2"	50	63	71	644	200-A-SS
250 = 2 1/2"	G 2 1/2"	65	75.8	75	945	250-A-SS**



Plugs with male thread

Type-Size	Thread	DN	Ident.-Size	h	Weight/pc. g	Type No.
100 = 1"	R 1	25	36.7	72	258	100-F-SS
150 = 1 1/2"	R 1 1/2"	40	53.4	82	565	150-F-SS
200 = 2"	R 2"	50	63	90	650	200-F-SS
250 = 2 1/2"	R 2 1/2"	65	75.8	105	1317	250-F-SS**



Dust Plugs

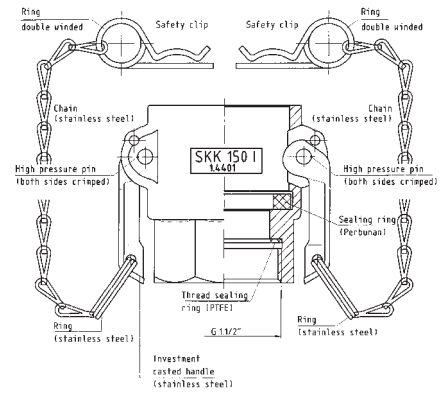
Type-Size	DN	Ident.-Size	h	Weight/pc. g	Type No.
100 = 1"	25	36.7	46	139	100-DP-SS
150 = 1 1/2"	40	53.4	57	335	150-DP-SS
200 = 2"	50	63	60	441	200-DP-SS
250 = 2 1/2"	65	75.8	66	657	250-DP-SS**



Handle with chain, ring, safety clip and High-Pressure pin

Type-Size	Weight/pc. g	Type No.
1" + 1 1/2" + 2" + 2 1/2"	89	SKH 1





Drain Adaptor

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



Drain-Adaptor with 3 Automatic-Run-Out-Valves 3/4"

Type-Size	Connection	DN	Ident-Size	Weight/pc. g	Type No.
150 = 1 1/2"	Coupling / Plug	40	54 / 53.4	2870	SKK 150 EA
200 = 2"	Coupling / Plug	50	63.8 / 63	4039	SKK 200 EA
Automatic-Run-Out-Valves also available separately (7 bores)				160	EWV 34
Automatic-Run-Out-Valves also available separately (1 bore)				170	EWV 341

Opening pressure of valves approx. 1 bar!

Drains the lines automatically when installation is switched off and pressure drops to avoid frost damages.

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.

SNOW MASTER

High-Pressure Screwings

of zinc plated steel

New!



- Thread Stems for long-term steady installations of pipe and hose lines, extreme robust execution
- Female thread stems with swivelling nut, flat sealing with thread sealing ring
- Appropriate safety clamps and crimping sockets (☺ catalogue page 80)

Max. Working Pressure	Material	Medium	Threads	Temperature	☺
PN 60 bar	steel (zinc plated)	liquids	ISO 228 / DIN 2999	-40°C – +95°C	1

Male thread screwings for flat hoses or rubber hoses

Thread	Hose i.D.	∅SW	DN	Weight/pc. g	Type No.
R1"	25-28 mm	36	20	220	SGA 100-T
R 1 1/2 "	38-40 mm	50	40	372	SGA 150-T
R 2 "	38-40 mm	60	40	210	SGA 200/150-T
R 2 "	50-54 mm	60	50	620	SGA 200-T

Female thread screwings for flat hoses or rubber hoses (with screwing nut)

Thread	Hose i.D.	∅SW	DN	Weight/pc. g	Type No.
G1"	25-28 mm	41	20	250	SGI 100-T
G 1 1/2 "	38-40 mm	55	40	390	SGI 150-T
G 2 "	50-54 mm	70	50	640	SGI 200-T

Attention: For 1 1/2" and 2" hose connection each 9 different stem outline types and sizes are available as standard execution! 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 execution! For new stem outlines: minimum quantity is 50 sets.

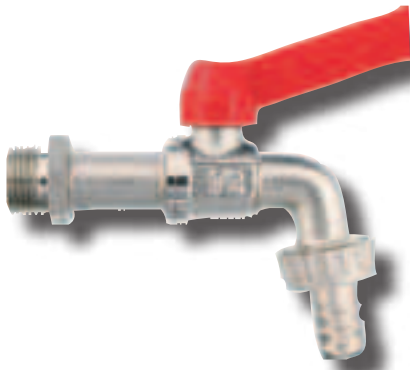
Other sizes on request!



LÜDECKE

Coupling Systems Made in Germany

Lüdecke **SNOW MASTER** coupling systems, TÜV-certified and recommended for "safer snow".



High quality original GEKA plus claw couplings, connection similar to compressed air claw couplings, but not interchangeable.

Additional fittings for water lines in various fields with spray nozzles, standard fittings, valves and taps.

Water Couplings and Fittings



Content

- 85 Swivelling- and MODY-Claw Couplings of brass
- 86 Original GEKA plus Claw Couplings of brass
- 87 Original GEKA Spray Nozzles of brass
- 88 Original GEKA X-plus Claw Couplings
- 88 Male thread nipples with thread ferrule of brass
- 89 Original GEKA plus Claw Couplings of stainless steel
- 90 Fittings und Ball Valve Taps
- 91 Check Valves and Foot Valves with Strainer




Swivelling- and MODY-Claw Couplings of brass for water

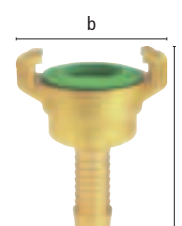
- High quality couplings of forged brass MS 58
- Universal couplings for water lines in industry, construction, garages, agriculture or civil installations

Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	Claw Distance	
PN 10 bar	up to +95°C	MS 58	NBR	water	40 mm	5

Original GEKA swivelling hose claw couplings with straight stem, 360° axial swivelling




Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	11	58	68.5	180	GSK 13-DR
3/4" = 19 mm	16	58	68.5	170	GSK 19-DR
1" = 25 mm	21	58	75	192	GSK 25-DR

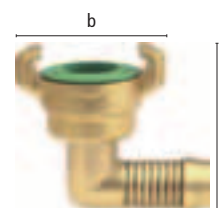
For hose clips type HS () catalogue page 49 / 50), type ZOS () catalogue page 48)
or crimping sockets type LPH () catalogue page 52)




Original GEKA swivelling hose claw couplings with elbow stem, 360° axial swivelling

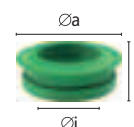
Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	11	58	60	200	GSKW 13-DR
3/4" = 19 mm	15	58	66	210	GSKW 19-DR
1" = 25 mm	21	58	70	300	GSKW 25-DR

For hose clips type HS () catalogue page 49 / 50), type ZOS () catalogue page 48)
or crimping sockets type LPH () catalogue page 52)






Original Rubber Ring for swivelling GEKA-Claw Couplings

Material	Colour	Shore h. A	Øi	Øa	h	Weight/pc. g		Type No.
NBR	green	60°	22	38	11.5	6	10	GKOR-DR



MODY-Screwing-Hose Claw Couplings


Hose i.D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	10	58	77	205	GSSG 13
3/4" = 19 mm	15	58	82	230	GSSG 19
1" = 25 mm	20	58	86	270	GSSG 25
1 1/4" = 32 mm	27	58	96	340	GSSG 32

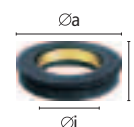
For hose clips type HS () catalogue page 49 / 50), type ZOS () catalogue page 48)
or crimping sockets type LPH () catalogue page 52)

Thread types on request (GSSGA34 available from stock)



Original Rubber Ring with support ring of brass for MODY-Screwing Couplings of brass

Material	Colour	Shore h. A	Øi	Øa	h	Weight/pc. g		Type No.
NBR/MS	black	65°	21.5	33.5	7	6	10	GSGOR-Set



Original GEKA plus-Claw Couplings

of brass for water

- High quality couplings of forged brass MS 58
- Easy to couple, high pressure- and vakuüm-spectrum
- Maximum bore at optimum wall thickness, safe and hose protecting stem profile
- Ergonomic formed claws, optimum security against accidental opening
- Patented special rubber ring of NBR with optimum elasticity
- **Universal coupling (interchangeable with world-wide used types) for water lines in industry, construction, garages, agriculture or civil installations**
- **For applications with drinking water just replace standard rubber ring GKOR with rubber ring GKOR-KTW (☺ catalogue page 87)**

Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	Threads	Claw Distance	☺
PN 50 bar	up to +95°C	MS 58	NBR	water	ISO 228	40 mm	10

Hose Claw Couplings GEKA plus

Hose i.D.	DN	b	h	Weight/pc. g	Type No.
3/8" = 10 mm	7.5	53.5	50	93	GSK 10
1/2" = 13 mm	10	53.5	50	94	GSK 13
5/8" = 16 mm	13.5	53.5	54	102	GSK 16
3/4" = 19 mm	17	53.5	54	102	GSK 19
1" = 25 mm	21.5	53.5	60	123	GSK 25
1 1/4" = 32 mm	28	53.5	70	176	GSK 32
1 1/2" = 38 mm	34	53.5	73	206	GSK 38

For hose clips type HS (☺ catalogue page 49 / 50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 52)

Female Claw Couplings GEKA plus with thread sealing ring

Thread	DN	b	h	Weight/pc. g	Type No.
G 1/4"	7	53.5	30	86	GKI 14
G 3/8"	11	53.5	31	92	GKI 38
G 1/2"	14	53.5	31	94	GKI 12
G 3/4"	19	53.5	32	96	GKI 34
G 1"	23	53.5	33	100	GKI 10
G 1 1/4"	23	53.5	38	128	GKI 54
G 1 1/2"	23	53.5	39	135	GKI 15

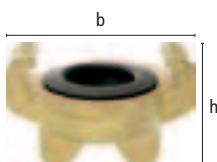
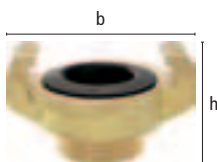
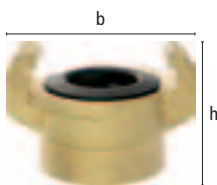
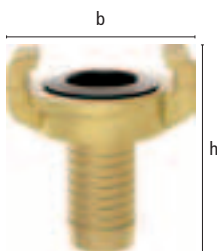
Male Claw Couplings GEKA plus

Thread	DN	b	h	Weight/pc. g	Type No.
G 1/4"	8	53.5	32	89	GKA 14
G 3/8"	11.5	53.5	32	83	GKA 38
G 1/2"	15	53.5	32	88	GKA 12
G 3/4"	20	53.5	32	90	GKA 34
G 1"	23	53.5	32	92	GKA 10
G 1 1/4"	23	53.5	36	110	GKA 54
G 1 1/2"	23	53.5	36	135	GKA 15

Male thread sealing with sealing ring type HPD (☺ catalogue page 23)

Blank End Claw Coupling GEKA plus

Execution	b	h	Weight/pc. g	Type No.
Without Chain	53.5	37	103	GKO



Original GEKA-Spray Nozzles of brass for water

- Adjustable, fine rain to water jet, lockable

Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	Claw Distance	
PN 10 bar	up to +95°C	MS 58	NBR	water	40 mm	1

Heavy execution – conical sealing brass to brass

Connection	Nozzle bore	Weight/pc. g	Type No.
Stem Hose i.D. 1/2" = 13 mm	5 mm	130	SDT 13
Stem Hose i.D. 3/4" = 19 mm	7 mm	230	SDT 19
Stem Hose i.D. 1" = 25 mm	8 mm	405	SDT 25
Stem Hose i.D. 1 1/4" = 32 mm	8 mm	500	SDT 32


GEKA-Coupling	5 mm for hose 1/2"	220	SDK 12
GEKA-Coupling	7 mm for hose 3/4"	290	SDK 34
GEKA-Coupling	8 mm for hose 1"	445	SDK 10

Light execution – sealing disc of polyurethane


Connection	Nozzle bore	Weight/pc. g	Type No.
Stem Hose i.D. 1/2" = 13 mm	5 mm	65	GSDT 13
Stem Hose i.D. 3/4" = 19 mm	7 mm	110	GSDT 19

GEKA-Coupling	5 mm for hose 1/2"	155	GSDK 12
GEKA-Coupling	7 mm for hose 3/4"	190	GSDK 34


Original Rubber Ring for GEKA plus-Couplings

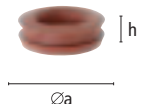
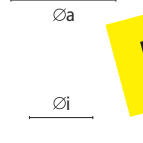
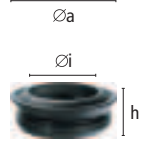
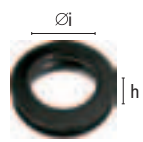
Material	Colour	Shore h. A	Øi	Øa	h	Weight/pc. g		Type No.
NBR	black	65°	20.5	33.5	10.8	4	100	GKOR-N
Viton	green	65°	20.5	33.5	10.8	5	10	GKVR-N

Original Rubber Ring for water claw couplings– Old execution (Not suitable for GEKA-Plus!)

Material	Colour	Shore h. A	Øi	Øa	h	Weight/pc. g		Type No.
NBR	black	50°	22	38	11.5	6	100	GKOR
Viton	green	65°	22	38	11.5	6	10	GKVR

Original Rubber Ring for GEKA plus-couplings for drinking water according to DIN 50930/6

Material	Colour	Shore h. A	Øi	Øa	h	Weight/pc. g		Type No.
NBR	brown	50°	20.5	33.5	10.8	5	10	GKOR-KTW



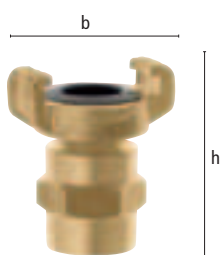
New!

Original GEKA Xplus - Claw Couplings

of brass for water for perfect hose assembly

New!

- All advantages of the GEKA plus claw coupling (☺ catalogue page 86)
- Easy hose assembly with thread ferrule, always reusable
- Hose assembly free of dead space for optimum safety- and hygiene-standard
- Please note correct hose dimensions!
- No dirt nests between hose and hose stem



Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	Claw Distance	☺
PN 25 bar	up to +95°C	MS 58	NBR	water	40 mm	10

Hose claw couplings GEKA Xplus with thread ferrule*

Hose Dimension	DN	Hexagon	b	h	Weight/pc. g	Type No.
1/2" = 13 x 3.0-3.8 mm	10	24	53.5	56	96	GSK 13 X
3/4" = 19 x 3.8-4.2 mm	17	32	53.5	57	102	GSK 19 X
1" = 25 x 4.4-5.0 mm	21.5	41	53.5	61	124	GSK 25 X



In combination with sealing ring GKOR-KTW (☺ catalogue page 87) the perfect connection for drinking water hose lines according to DIN 50 930/6

Male Thread Nipples with Thread Ferrule

of brass for water for perfect hose assembly

New!

- Easy hose assembly with thread ferrule, always reusable
- Hose assembly free of dead space for optimum safety- and hygiene-standard
- Please note correct hose dimensions!
- No dirt nests between hose and hose stem
- Execution according to DIN EN 14 424



Max. Working Pressure	Temperature	Material	Medium	Threads	☺
PN 25 bar	up to +95°C	MS 58	water	ISO 228	10

Male Thread Nipples with thread ferrule*

Hose Dimension	Threads	DN	Hexagon	h	Weight/pc. g	Type No.
1/2" = 13 x 3.0-3.8 mm	G1/2"	10	22	52	113	GSA 12-13
3/4" = 19 x 3.8-4.2 mm	G3/4"	17	27	55	180	GSA 34-19
1" = 25 x 4.4-5.0 mm	G1"	22	36	60	230	GSA 10-25

* Assembly instructions for thread ferrules (☺ catalogue page 182)

Original GEKA plus Claw Couplings of stainless steel with Viton High Performance Sealing Ring

- High quality coupling of stainless steel 1.4571
- Easy to couple, high pressure- and vakuu-spectrum
- Maximum bore at optimum wall thickness, safe and hose protecting stem profile
- Ergonomic formed claws, optimum security against accidental opening
- Patented special rubber ring of NBR with optimum elasticity
- **Universal coupling for applications in chemical industry, food or drinking industry of pharmacy for water or aggressive media, in combination with sealing ring GKOR-KTW (☺ catalogue page 87) the perfect coupling for drinking water lines**

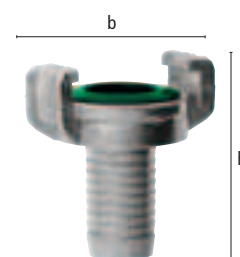
New!

Max. Working Pressure	Temperature	Material	Mat. Seal	Medium	Threads	Claw Distance	☺
PN 40 bar	-20 bis +200°C	stainless steel	Viton	water / chemicals	ISO 228	40 mm	5

Hose Claw Couplings GEKA plus

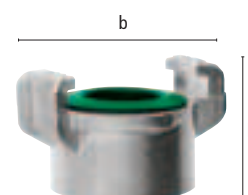
Hose i. D.	DN	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	10	53.5	50	94	GSK 13 SS
3/4" = 19 mm	17	53.5	54	110	GSK 19 SS
1" = 25 mm	21.5	53.5	60	123	GSK 25 SS

For hose clips type HS (☺ catalogue page 49 / 50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 52)



Female Claw Couplings GEKA plus with thread sealing ring

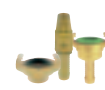
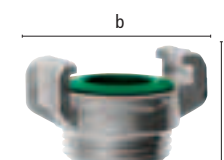
Thread	DN	b	h	Weight/pc. g	Type No.
G 1/2"	14	53.5	31	100	GKI 12 SS
G 3/4"	19	53.5	32	90	GKI 34 SS
G 1"	23	53.5	33	100	GKI 10 SS



Male Claw Couplings GEKA plus

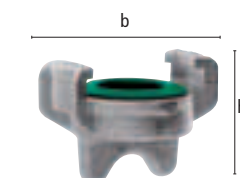
Thread	DN	b	h	Weight/pc. g	Type No.
G 1/2"	15	53.5	32	100	GKA 12 SS
G 3/4"	20	53.5	32	100	GKA 34 SS
G 1"	23	53.5	32	100	GKA 10 SS

Male thread sealing with sealing ring type HPD (☺ catalogue page 23)



Blank End Claw Coupling GEKA plus

Execution	b	h	Weight/pc. g	Type No.
Without Chain	53.5	37	90	GKO SS



Original Rubber Ring for GEKA plus-Couplings of stainless steel

Material	color	Shore A	Øi	Øa	h	Weight/pc. g	☺	Type No.
Viton (FPM)	green	65°	20.5	33.5	10.8	5	10	GKVR-N



Fittings- and Ball Valve Taps

of brass for water

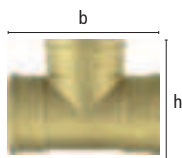
- for water lines in industry, construction, garages, agriculture or civil installations

Max. Working Pressure	Material	Medium	Threads
PN 10 bar	MS 58	water	ISO 228



2-way Distributor

Inlet	Outlet	DN	Weight/pc. g	☐	Type No.
G 3/4" f	2 x G 3/4" m	15	110	5	DWS 34 Y



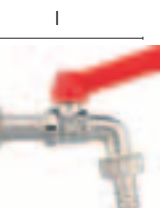
T-Connector with female thread

Connection	b	h	Weight/pc. g	☐	Type No.
3 x G 1/2"	54	41	110	5	TSM 12
3 x G 3/4"	60	47	160	5	TSM 34
3 x G 1"	78	54	300	5	TSM 10



Elbow-Connector with female thread

Connection	l	Weight/pc. g	☐	Type No.
2 x G 1/2"	25	90	5	WSM 12
2 x G 3/4"	30	123	5	WSM 34
2 x G 1"	35	195	5	WSM 10



Ball Valve Taps, brass nickel plated with assembled hose screwing, handle aluminium red

Inlet	Outlet	Hose i. D.	a	Length handle	Weight/pc. g	☐	Type No.
G 1/2" m	G 3/4" m	1/2" = 13 mm	105	55	205	1	WKH 12
G 3/4" m	G 1" m	3/4" = 19 mm	120	55	340	1	WKH 34

Check Valves and Foot Valves with strainer

- Perfect tight also at very low pressure through nitrile rubber packing
- Hostaform-wedge with double central slide
- Applications: For water, gas, petrol, various oils, air

Max. Working Pressure	Temperature	Material body	Mat. Spring	Opening Pressure	Mat. Strainer	Threads
PN 16 bar	up to +100°C	MS 58	stainless steel	appr. 0.02 bar	Stainless steel / Nylon	ISO 228 1

Check Valves with female thread

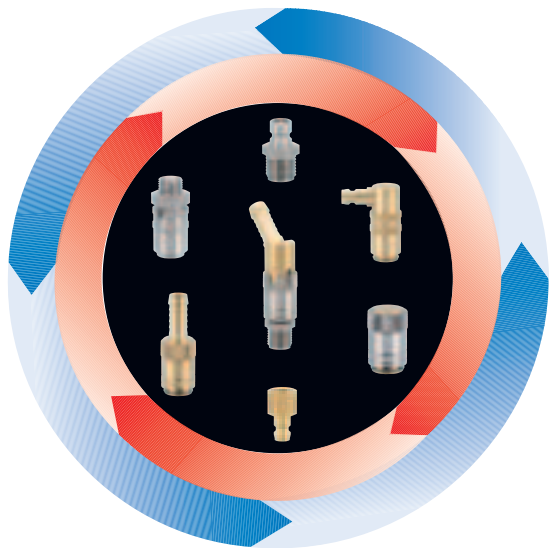
Thread	h	b	Weight/pc. g	Type No.
G 1/4"	45	26.5	105	RSV 14
G 3/8"	46	26.5	91	RSV 38
G 1/2"	48	30	100	RSV 12
G 3/4"	52	37	150	RSV 34
G 1"	58	44.5	235	RSV 10
G 1 1/4"	66	56	335	RSV 54
G 1 1/2"	70	63	450	RSV 15
G 2"	79	78	730	RSV 20



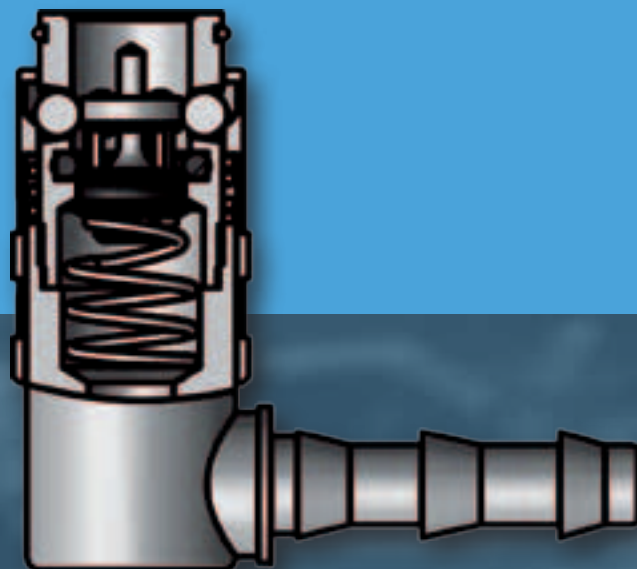
Foot Valves-Inlet with strainer, outlet with female thread

Thread	h	b	Weight/pc. g	Type No.
G 3/8"	80	26.5	90	FVMF 38
G 1/2"	87	30	115	FVMF 12
G 3/4"	101	37	165	FVMF 34
G 1"	115	44.5	245	FVMF 10
G 1 1/4"	128	56	379	FVMF 54
G 1 1/2"	142	63	520	FVMF 15
G 2"	165	78	810	FVMF 20





Quick Disconnect Coupling Systems and Screwings for temperature-regulation applications, plug profiles interchangeable with coupling types Hasco Z 8 and DME



Temperature-Regulation Quick Coupling Systems

Content

- 93 **General technical information**
- 94 **The quick-fit hose stem-principle and the module system**
- 95 **The disconnect protection safety system**
- 95 **Port capacity diagram of temperature regulation coupling systems**
- 96 **Temperature-regulation Quick Coupling-System DN 2,7 (brass) - Type ESHMC**
- 98 **Temperature-regulation Quick Coupling-System DN 6 (brass) - Type ESHM**
- 102 **Temperature-regulation Quick Coupling-System DN 9 (brass) - Type ESH**
- 106 **Temperature-regulation Quick Coupling-System DN 13 (brass) - Type ESHG**
- 109 **Distribution Unit System for temperature regulation lines**

- 110 **Colour coding system for temperature regulation Quick Couplings**
- 110 **Swivelling temperature regulation Quick Couplings**
- 111 **Special high performance sealing rings for temperature regulation Quick Couplings**
- 112 **Temperature regulation Quick Coupling System DN 6 (stainless steel) - Type ESHME**
- 114 **Temperature regulation Quick Coupling System DN 9 (stainless steel) - Type ESHE**
- 116 **Temperature regulation Quick Coupling System DN 6 (brass) - Type ESDM**
- 120 **Temperature regulation Quick Coupling System DN 9 (brass) - Type ESD**
- 124 **Screwings and combination parts (brass)**

Safe and quick connections for temperature-regulation applications

Easy handling, safe and quick connection and disconnection, secure operation, robust and reliable for rapid installation and optimum process safety.

The new O-ring generation – much more resistant and long lasting

- ❶ Viton-O-Rings generally PTFE-(Teflon-) coated, thus much more resistant against a multitude of aggressive temperature-regulation media
- ❷ High resilience (no tearing) according to DIN 53504
- ❸ High abrasion resistance of O-Ring according to DIN 54021
- ❹ Agglutination of O-Ring with plug nipple is prevented at high-temperature applications
- ❺ Noticeably increased durability of couplings
- ❻ Special high performance sealing rings for special applications

(☺ catalogue page 111)

New!



Technical Information:

- Quick Disconnect Coupling Systems DN 6, DN 9, DN 13 and tapered screwings (interchangeable with System Hasco Z 8 and DME).
- Depending on importance of full flow capacity or possible liquid loss while disconnecting with free passage, one-way or two-way shut off.
- For visual distinction of threads acc. to DIN 13 or ISO 228 all ISO 228 show a small shoulder.
- Optimum flow capacity at smallest dimensions.
- All couplings with viton-O-Ring-sealing PTFE coated (Up to max. 200°C – depends on medium and working pressure!).
- For permanent operation over 160°C the necessary type has to be clarified separately.
Special sealing ring (☺ catalogue page 111)
- Plugs with inch-threads generally nickel plated for simple distinction
- Optional all coupling types can be equipped with the new disconnect protection (Information ☺ page 95).
- Colour coding systems (☺ catalogue page 109)
- Hose stems with profile for standard hoses or for quick fit hoses available (quick fit for types ESDM and ESD on request).
- Couplings with extra long sleeve for problem-free connecting of plugs counter-sunk in the mould.
- Sleeves on couplings with free passage nickel plated for easy distinction.
- Additional types, special sizes or sealing materials on request.
- All couplings with valve are generally suitable for connection with plugs with valve.
- Please note max. temperature of 100°C for quick-fit-hose applications.
- For problem-free connection of temperature-regulation lines as well as compressed air or vacuum lines.
- All coupling types with one-hand operation.

Type:	→	Interchangeable with System:	Page
ESHMC DN 2,7	→	Hasco Z 8 →	96
ESHM DN 6	→	Hasco Z 8 →	98
ESH DN 9	→	Hasco Z 8 →	102
ESHG DN 13	→	Hasco Z 8 →	106
ESHME DN 6	→	Hasco Z 8 →	112
ESHE DN 9	→	Hasco Z 8 →	114
ESDM DN 6	→	DME 1/4" →	116
ESD DN 9	→	DME 3/8" →	120

Materials

- Connections, Sleeve, Valve body, Valve: MS 58 (2.0401) resp. stainless steel (1.4305)
- Spring, Retaining Ring, Balls: Stainless Steel
- O-Rings: Viton (Teflon-PTFE coated)
- Plugs, Screwings, Combination parts: MS 58 (2.0401) resp. stainless steel (1.4305)

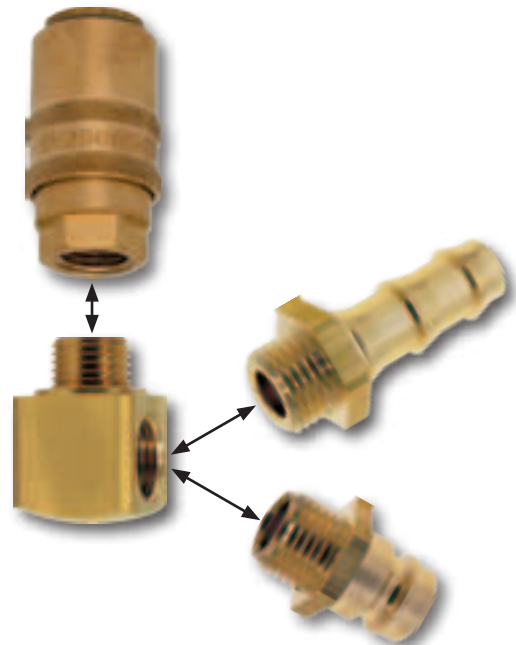
Whole range silicon-free!

The anchor principle of the quick-fit hose stems

quick · safe · reliable

The module system

Just assemble according to your needs.



The anchor principle

Safest hose fit through quick-fit stem profile

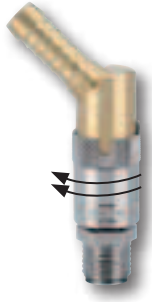


JUST SIMPLE!

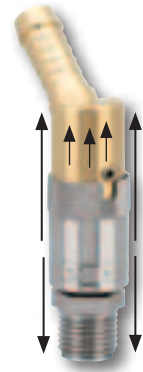
- No tools or hose clamps necessary to assemble the hose!
- The anchor principle guarantees safest hose fit without additional clamp assembly and provides an absolutely tight and secure connection of quick-fit hose and quick-fit coupling or -plug.
- The coloured marking-rings assure an easy and clear marking of same-coloured quick-fit hoses to distinguish different heating- or cooling circulations.
- Suitable quick-fit hoses (e.g. Parker Push-Lock or Gates Lock-on) are available at most hose distributors. On request we are pleased to help you.
- The module system allows various combination possibilities according to your needs. (© catalogue page 124–126)
- Special executions or other sizes/types on request.

The Disconnect Protection

Safety for man and machine



Easy and effective protection against unintentional disconnection through simply turning the coupling sleeve.



Safety not only for high-temperature applications

The disconnect protection for all coupling types.

Available for all couplings against surcharge of Euro 1.79 gross price

When ordering simply add on standard type no. "S" (e.g. ESD 13 TLABS or ESHM 9 TLS).

- For the protection of man and environment against unintentional escape of temperature-regulation fluids.
- To avoid fluid- or pressure-loss in circulations during operation and therefore to secure running production and to avoid damages on mould and machine.

Disconnection only possible at exact fit of the safety pin into sleeve slit.



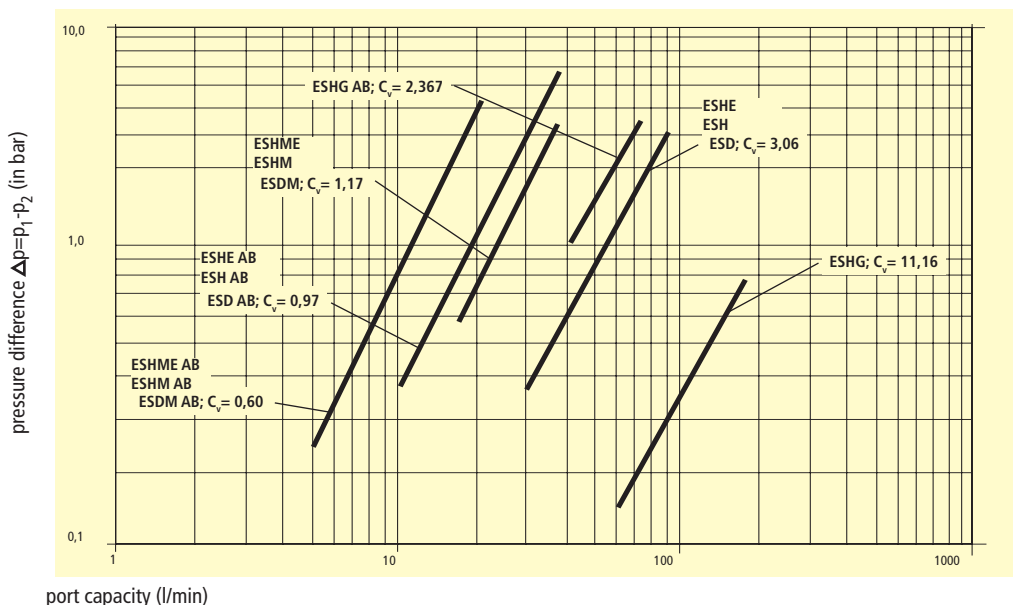
Other safety systems for disconnect protection an request!

For special applications with temperatures up to 300 °C or with special aggressive temperature regulation oils we produce on basis of the stainless steel types ESHME DN 6 resp. ESHE DN 9 special coupling types with extremely reliable high-quality O-rings on request! (© catalogue page 111)

Port Capacity Diagram

LUDECKE temperature-regulation quick couplings DN 6, 9 and 13

Performance diagram: medium water at 20°C, both couplings and plugs free passage resp. 2-way shut-off (AB)



Temperature-regulation quick coupling system DN 2,7

Range ESHMC – plug size 5 mm – material brass 2.0401

New!

Interchangeable
with
Hasco Z 8

- For temperature regulation applications with hot or cold water resp. oil
- Optional with free passage, one-way or two-way shut-off
- Extra long sleeves for problem-free connection of plugs counter-sunk in the mould, angle-connections avoid the kinking of thin-walled hoses
- **The new range DN 2,7 is especially suitable for the connection of temperature regulation lines on small tools in the plastics industry for the production of micro-parts**

Materials

- Connections, sleeve, valve body, valve, plug: MS 58 (2.0401)
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated)
- Plugs: MS 58 (2.0401)

Max. Working pressure	Temperature	Medium	DN	Thread	One-Hand	Shutt-off	
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	2,7	DIN 13, DIN 158	yes	free/1way/2-way	coupl. 5 / plugs. 10

Couplings with straight standard hose stem without / with valve

Hose i. D.	Connection	l	d	Stem Length	d1	Passage	Weight/pc g	Type No. w/o valve	Type No. w. valve
5 mm	straight	35	10	13,5	5	3,5	10	ESHMC 5 TL	ESHMC 5 TLAB

Couplings with 45° standard hose stem without / with valve

Hose i. D.	Connection	l	d	Stem Length	d1	Passage	Weight/pc g	Type No. w/o valve	Type No. w. valve
5 mm	45°	41	10	13,5	5	3,5	8	ESHMC 5 TL-45	ESHMC 5 TL-45AB

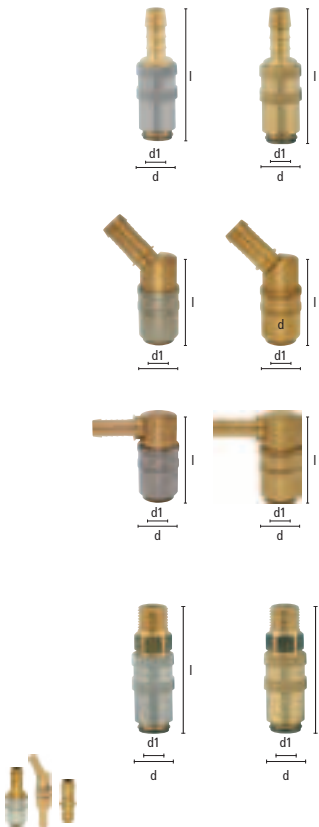
Couplings with 90° standard hose stem without / with valve

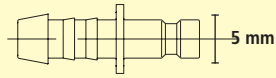
Hose i. D.	Connection	l	d	Stem Length	d1	Passage	Weight/pc g	Type No. w/o valve	Type No. w. valve
5 mm	90°	41	10	13,5	5	3,5	8	ESHMC 5 TL-90	ESHMC 5 TL-90AB

Couplings with straight male thread without / with valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc g	Type No. w/o valve	Type No. w. valve
M 5 x 0,5	9	26	5	5	3,5	9	ESHMC 505 A	ESHMC 505 AAB
M 8 x 0,75	9	28	7	5	3,5	10	ESHMC 875 A	ESHMC 875 AAB

Suitable hose clips for hose couplings (☺ catalogue page 48 – 50)





Plug Profile (original size)

New!

Plugs with straight standard hose stem without valve

Hose i. D.	l	d	Stem Length	d1	Passage	Weight/pc g	Type No.
5 mm	25	5	13,5	5	2,7	3	ESHMC 5 SL

Plugs with straight male thread without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc g	Type No.
M 5 x 0,5	7	18	5	5	2,7	3	ESHMC 505 NA
M 8 x 0,75	9	20	7	5	2,7	4	ESHMC 875 NA

Plugs with straight male thread with valve

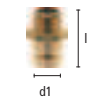
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc g	Type No.
M 5 x 0,5	9	28	5	5	2,7	7	ESHMC 505 NAAB
M 8 x 0,75	9	30	7	5	2,7	7	ESHMC 875 NAAB

Plugs with 90° male thread without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc g	Type No
M 5 x 0,5	9	15,5	5	5	2,7	9	ESHMC 505-NA-90
M 8 x 0,75	9	17,5	7	5	2,7	11	ESHMC 875-NA-90

System-Adaptors

System	l1	l2	l	d1	D2	Passage	Weight/pc g	Type No
DN 2,7-DN 2,7	10	10	22	5	5	2,7	3	ESHMC-ESHMC
DN 2,7-DN 6	10	14	26,5	5	9	2,7	9	ESHMC-ESHM



Temperature-regulation quick coupling system DN 6

Range ESHM – plug size 9 mm – material brass 2.0401

- For temperature-regulation applications with hot or cold water resp. oil.
- Optional with free passage, one-way or two-way shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses.
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information (☺ catalogue page 93)

Materials

- Connections, sleeve, valve body, valve, plug: MS 58 (2.0401)
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated) • Plugs: MS 58 (2.0401)

Interchangeable
with
Hasco Z 8

New!

Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	6	ISO 228 / DIN 13/DIN 158	yes	free, 1-way, 2-way	couplings 5 / plugs 10

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	53	17	22.5	9	5	40	ESHM 6 TL	ESHM 6 TLAB
9 mm	53	17	22.5	9	6	45		ESHM 9 TLAB
9 mm	53	17	22.5	9	6	45	ESHM 9 TL	
13 mm	55	17	25	9	6	54	ESHM 13 TL	ESHM 13 TLAB

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	58.5	17	28	9	5	42	ESHM 6 T	ESHM 6 TAB
10 mm	58.5	17	28	9	6	49	ESHM 10 T	ESHM 10 TAB

Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	St.gew. g	Type No. w/o valve	Type No. with valve
6 mm	42.5	17	25.5	9	5	58	ESHM 6 TL-45	ESHM 6 TL-45AB
9 mm	42.5	17	25.5	9	6	62	ESHM 9 TL-45	ESHM 9 TL-45AB

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	42.5	17	33	9	5	59	ESHM 6 T-45	ESHM 6 T-45AB
10 mm	42.5	17	33	9	6	68	ESHM 10 T-45	ESHM 10 T-45AB

Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	42.5	17	25.5	9	5	58	ESHM 6 TL-90	ESHM 6 TL-90AB
9 mm	42.5	17	25.5	9	6	62	ESHM 9 TL-90	ESHM 9 TL-90AB

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	42.5	17	33	9	5	59	ESHM 6 T-90	ESHM 6 T-90AB
10 mm	42.5	17	33	9	6	68	ESHM 10 T-90	ESHM 10 T-90AB

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

For hose i.D.	Colour	d	☺	Weight/pc. g	Type No.
6	blue	14	50	0.3	AR-BL 6
6	red	14	50	0.3	AR-RO 6
6	yellow	14	50	0.3	AR-GE 6
10	blue	17	50	0.5	AR-BL 10
10	red	17	50	0.5	AR-RO 10
10	yellow	17	50	0.5	AR-GE 10

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

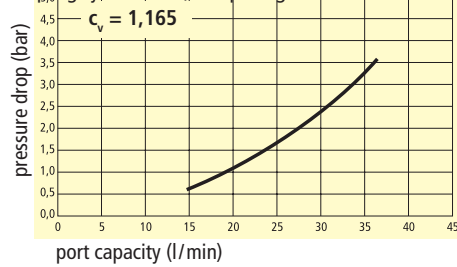
Suitable hose clips, two-ear clips or crimping sockets for standard hoses – ☺ catalogue page 48–52

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!

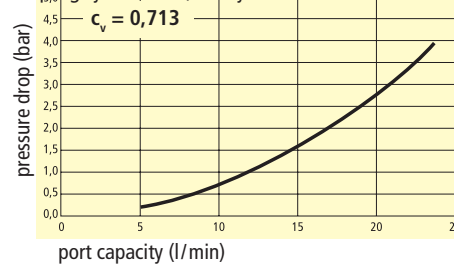
Temperature-regulation quick coupling system DN 6

Range ESHM – plug size 9 mm – material brass 2.0401

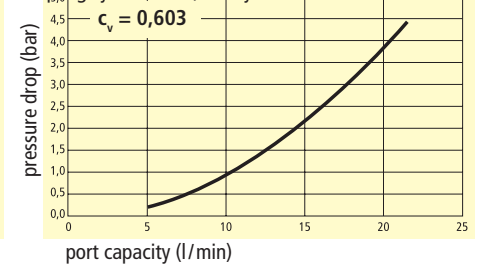
Pressure Drop Diagram Water
coupling system DN 6, free passage



Pressure Drop Diagram Water
coupling system DN 6, 1-way shut-off



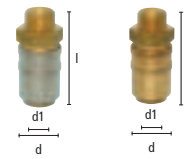
Pressure Drop Diagram Water
coupling system DN 6, 2-way shut-off



Couplings with thread connection

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

Thread	Hexag. l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	48	17	9	9	6	ESHM 14 A	ESHM 14 AAB
G 3/8"	19	48	17	9	9	6	ESHM 38 A	ESHM 38 AAB
M 10 x 1	17	46	17	7	9	6	ESHM 101 A	ESHM 101 AAB
M 14 x 1.5	17	48	17	9	9	6	ESHM 1415 A	ESHM 1415 AAB
M 16 x 1.5	19	48	17	9	9	6	ESHM 1615 A	ESHM 1615 AAB
G 1/4 "	17	52	17	13	9	6	ESHM 14 AL*	ESHM 14 ALAB*
G 3/8 "	19	52	17	13	9	6	ESHM 38 AL*	ESHM 38 ALAB*
M14 x 1,5	17	52	17	13	9	6	ESHM 1415 AL*	ESHM 1415 ALAB*



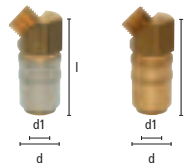
Couplings with straight male thread (short execution) with valve

Thread	Hexag. l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. with valve
G 1/4"	17	38	17	9	9	6	ESHM 14 AKAB



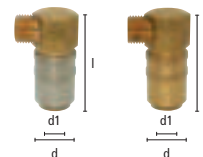
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread	Hexag. l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	47	17	9	9	6	ESHM 14 A-45	ESHM 14 A-45AB
G 3/8"	19	47	17	10	9	6	ESHM 38 A-45	ESHM 38 A-45AB
M 10 x 1	17	47	17	7	9	6	ESHM 101 A-45	ESHM 101 A-45AB
M 14 x 1.5	17	47	17	9	9	6	ESHM 1415 A-45	ESHM 1415 A-45AB
M 16 x 1.5	19	47	17	9	9	6	ESHM 1615 A-45	ESHM 1615 A-45AB
G 3/8"	19	47	17	13	9	6	ESHM 38 AL-45*	ESHM 38 AL-45AB*



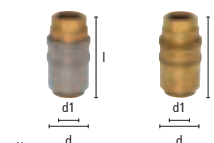
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread	Hexag. l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	47	17	9	9	6	ESHM 14 A-90	ESHM 14 A-90AB
G 3/8"	19	47	17	9	9	6	ESHM 38 A-90	ESHM 38 A-90AB
M 10 x 1	17	47	17	7	9	6	ESHM 101 A-90	ESHM 101 A-90AB
M 14 x 1.5	17	47	17	9	9	6	ESHM 1415 A-90	ESHM 1415 A-90AB
M 16 x 1.5	19	47	17	9	9	6	ESHM 1615 A-90	ESHM 1615 A-90AB
G 3/8"	19	47	17	13	9	6	ESHM 38 AL-90*	ESHM 38 AL-90AB*



Couplings with straight female thread without/with valve

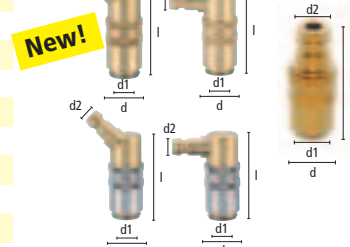
Thread	Hexag. l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	41.5	17	9	9	6	ESHM 14 I	ESHM 14 IAB
G 3/8	21	42	17	9	9	6	ESHM 38 I	ESHM 38 IAB
M 10 x 1	17	41,5	17	9	9	6	ESHM 101 I	ESHM 101 IAB
M 14 x 1.5	17	41.5	17	9	9	6	ESHM 1415 I	ESHM 1415 IAB



Couplings DN 6 with plug DN 9 - System Adaptors.

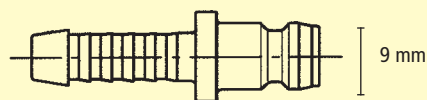
DN coupling	l	d	d2	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	52	17	13	9	6	75	ESHMK-ESHS	ESHMK-ESHS-AB
6 mm	49	17	13	9	6	80	ESHMK-ESHS-45	ESHMK-ESHS-45 AB
6 mm	47	17	13	9	6	80	ESHMK-ESHS-90	ESHMK-ESHS-90 AB
6 mm	52	17	9,4	9	6	70	ESHMK-ESDMS	ESHMK-ESDMS-AB
6 mm	52	17	13,5	9	6	75	ESHMK-ESDS	ESHMK-ESDS-AB

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



Temperature-regulation quick coupling system DN 6

Range ESHM – plug size 9 mm – material brass 2.0401



Plug Profile (original size)

Pipe for diversion couplings (temperature-regulation pipe), hardened brass

Pipe o.D./i.D.	l	Passage	Weight/pc. g	Type No.
8/6	250	6	45	TR 250-8
8/6	500	6	93	TR 500-8



Blank End Coupling

Connection	l	d	d1	Weight/pc. g	Type No.
closed	30	17	9	37	ESHM-B



Plugs

Plugs with standard hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
6 mm	39.5	22.5	9	5	9	ESHM 6 SL
9 mm	39.5	22.5	9	6	13	ESHM 9 SL
13 mm	39.5	22.5	9	6	17	ESHM 13 SL



New!

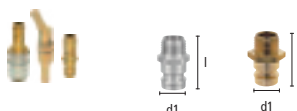
Plugs with quick-fit hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
6 mm	44	28	9	5	11	ESHM 6 S
10 mm	44	28	9	6	18	ESHM 10 S



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

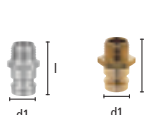
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	11	24	7	9	6	10	ESHM 18 NA*
G 1/4"	15	26	9	9	6	14	ESHM 14 NA*
G 3/8"	17	27	9	9	6	18	ESHM 38 NA*
M 8 x 0.75	11	24	7	9	4.5	9	ESHM 875 NA
M 10 x 1	11	24	7	9	6	8	ESHM 101 NA
M 14 x 1.5	15	26	9	9	6	14	ESHM 1415 NA
M 16 x 1.5	17	26	9	9	6	18	ESHM 1615 NA



Plugs with straight male thread and inner hexagon without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Inner Hexag	Type No.
G 1/8"	11	24	7	9	6	10	SW5, 19mm depth	ESHM 18 NAIB*
G 1/4"	15	26	9	9	6	14	SW5, 19mm depth	ESHM 14 NAIB*
M10 x 1	11	24	7	9	6	8	SW5, 19mm depth	ESHM 101 NAIB
M14 x 1,5	15	26	9	9	6	14	SW5, 19mm depth	ESHM 1415 NAIB

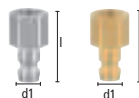
New!



For easy assembly with allen key countersunk in the tool

Plugs with straight female thread without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	14	27	9	9	6	15	ESHM 18 NI*
G 1/4"	17	27	9	9	6	19	ESHM 14 NI*
G 3/8 "	19	27	10	9	6	25	ESHM 38 NI*



*Plugs with inch-thread nickel plated for simple distinction

Temperature-regulation quick coupling system DN 6

Range ESHM – plug size 9 mm – material brass 2.0401

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

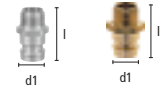
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
R 1/8"	15	27	9	9	6	35	ESHM 18 NA-90*
R 1/4"	15	29	11	9	6	40	ESHM 14 NA-90*
R 3/8"	17	30	12	9	6	44	ESHM 38 NA-90*
M 8 x 0.75	15	27	9	9	4.5	38	ESHM 875 NA-90
M 10 x 1	15	27	9	9	6	38	ESHM 101 NA-90
M 14 x 1.5	15	29	11	9	6	40	ESHM 1415 NA-90



Plugs with straight male thread with valve

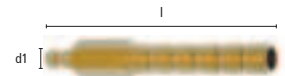
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	15	26	8	9	6	13	ESHM 18 NAAB*
G 1/4"	15	29	12	9	6	14	ESHM 14 NAAB*
G 3/8"	17	30	12	9	6	22	ESHM 38 NAAB*
M 14 x 1.5	15	29	12	9	6	15	ESHM 1415 NAAB

New!



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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	11	100	(6x10) 60	9	6	36	ESHM 18-60 NA
G 1/4"	14	100	(6x10) 60	9	6	58	ESHM 14-60 NA
G 3/8"	17	100	(6x10) 60	9	6	90	ESHM 38-60 NA
M 10 x 1	11	100	(6x10) 60	9	6	36	ESHM 101-60 NA
M 14 x 1.5	14	100	(6x10) 60	9	6	61	ESHM 1415-60 NA



Plug Pipes for countersunk mould threads

Pipe Ø	Hexagon	l	l1	d1	Passage	Weight/pc. g	Type No.
8 mm	9 mm	63	21	9	6	14	ESHM 68 R
8 mm	9 mm	100	21	9	6	20	ESHM 100 R
10 mm	11 mm	63	21	9	6	20	ESHM 68 R10
10 mm	11 mm	100	21	9	6	58	ESHM 100 R10
10 mm	11 mm	120	21	9	6	49	ESHM 120 R
10 mm	11 mm	240	21	9	6	103	ESHM 240 R
10 mm	11 mm	360	21	9	6	157	ESHM 360 R



System-Adaptors

System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6 – DN 6	34	14	14	9	6	9	14	ESHM-ESHM
DN 6 – DN 9	34	14	14	9	6	13	18	ESH-ESHM
Protection cap (plastic) for plug profile ESHM							100	ESHM-K



*Plugs with inch-thread nickel plated for simple distinction

Temperature-regulation quick coupling system DN 9

Range ESH – plug size 13 mm – material brass 2.0401

- For temperature-regulation applications with hot or cold water resp. oil.
- Optional with free passage, one-way or two-way shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses.
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.!)!
- Detailed Information ☺ catalogue page 93

Materials

- Connections, sleeve, valve body, valve, plugs: MS 58 (2.0401)
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated) • Plugs: MS 58 (2.0401)

Interchangeable
with
Hasco Z 8

New!

Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	9	ISO 228 / DIN 13	yes	free, 1-way, 2-way	couplings 5 / plugs 10

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	61.5	22	25	13	7	72	ESH 9 TL	ESH 9 TLAB
13 mm	61.5	22	25	13	9	81		ESH 13 TLAB
13 mm	61.5	22	25	13	9	81	ESH 13 TL	

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
10 mm	64.5	22	28	13	7	76	ESH 10 T	ESH 10 TAB
13 mm	64.5	22	28	13	9	84	ESH 13 T	ESH 13 TAB

Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	St.gew. g	Type No. w/o valve	Type No. with valve
9 mm	51	22	30	13	7	103	ESH 9 TL-45	ESH 9 TL-45AB
13 mm	51	22	30	13	9	109	ESH 13 TL-45	ESH 13 TL-45AB

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
10 mm	51	22	33	13	7	108	ESH 10 T-45	ESH 10 T-45AB
13 mm	51	22	33	13	9	111	ESH 13 T-45	ESH 13 T-45AB

Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	51	22	30	13	7	105	ESH 9 TL-90	ESH 9 TL-90AB
13 mm	51	22	30	13	9	111	ESH 13 TL-90	ESH 13 TL-90AB

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

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
10 mm	51	22	33	13	7	110	ESH 10 T-90	ESH 10 T-90AB
13 mm	51	22	33	13	9	113	ESH 13 T-90	ESH 13 T-90AB

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

For hose i.D.	Colour	d	☺	Weight/pc. g	Type No.
10 mm	blue	17	50	0.5	AR-BL 10
10 mm	red	17	50	0.5	AR-RO 10
10 mm	yellow	17	50	0.5	AR-GE 10
13 mm	blue	20	50	0.7	AR-BL 13
13 mm	red	20	50	0.7	AR-RO 13
13 mm	yellow	20	50	0.7	AR-GE 13

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

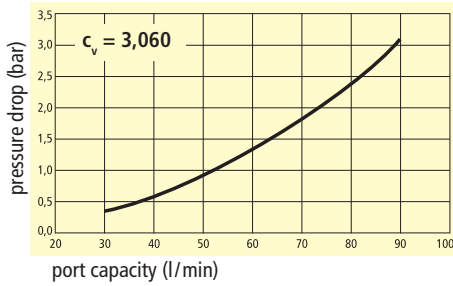
Suitable hose clips, two-ear clips or crimping sockets for standard hoses – ☺ catalogue page 48–52

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!

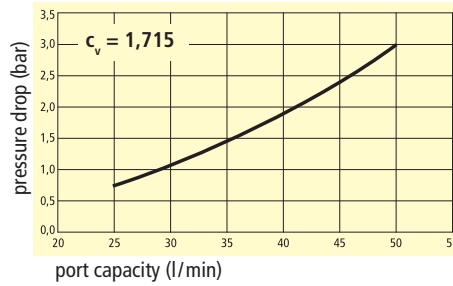
Temperature-regulation quick coupling system DN 9

Range ESH – plug size 13 mm – material brass 2.0401

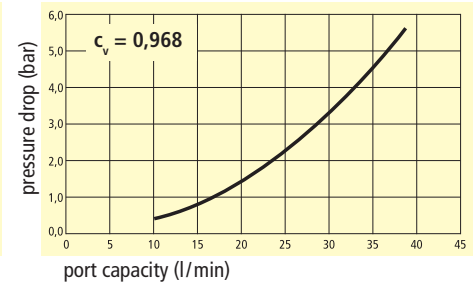
Pressure Drop Diagram Water
coupling system DN 9, free passage



Pressure Drop Diagram Water
coupling system DN 9, 1-way shut-off



Pressure Drop Diagram Water
coupling system DN 9, 2-way shut-off



Couplings with thread connection

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

Thread	Hexag. I	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	22	52	22	9	13	9	ESH 14 A	ESH 14 AAB
G 3/8"	22	52	22	9	13	9	ESH 38 A	ESH 38 AAB
M 16 x 1.5	22	52	22	9	13	9	ESH 1615 A	ESH 1615 AAB
G 1/2"	24	53	22	10	13	9	ESH 12 A	ESH 12 AAB
G 3/8"	22	56	22	13	13	9	ESH 38 AL*	ESH 38 ALAB*
G 1/2"	24	57	22	14	13	9	ESH 12 AL*	ESH 12 ALAB*
M 16 x 1,5	22	56	22	13	13	9	ESH 1615 AL*	ESH 1615 ALAB*

Couplings with straight male thread (short execution) with valve

Thread	Hexag. I	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	38	22	9	13	9	ESH 38 AK	ESH 38 AKAB

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

Thread	Hexag. I	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13	9	ESH 38 A-45	ESH 38 A-45AB
M 16 x 1.5	22	54	22	9	13	9	ESH 1615 A-45	ESH 1615 A-45AB
G 3/8"	22	58	22	13	13	9	ESH 38 AL-45*	ESH 38 AL-45AB*

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

Thread	Hexag. I	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13	9	ESH 38 A-90	ESH 38 A-90AB
M 16 x 1.5	22	54	22	9	13	9	ESH 1615 A-90	ESH 1615 A-90AB
G 3/8"	22	58	22	13	13	9	ESH 38 AL-90*	ESH 38 AL-90AB*

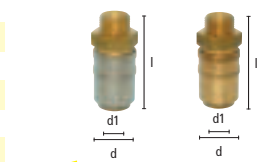
Couplings with straight female thread without/with valve

Thread	Hexag. I	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	44.5	22	9	13	9	ESH 14 I	ESH 14 IAB
G 3/8"	22	46	22	9	13	9	ESH 38 I	ESH 38 IAB
G 1/2"	24	49	22	12	13	9	ESH 12 I	ESH 12 IAB

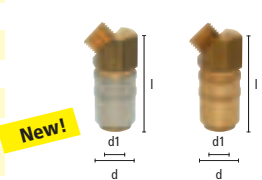
Couplings DN 9 - ESHM - System Adaptor and ESH-ESD System Adaptor

DN coupling	I	d	d2	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	51	22	9	13	6	100	ESHK-ESHMS	ESHK-ESHMS-AB
9 mm	51	22	9	13	6	100	ESHK-ESHMS-45	ESHK-ESHMS-45AB
9 mm	51	22	9	13	6	100	ESHK-ESHMS-90	ESHK-ESHMS-90AB
9 mm	51	22	9,4	13	6	85	ESHK-ESDMS	ESHK-ESDMS-AB
9 mm	51	22	13,5	13	9	100	ESHK-ESDS	ESHK-ESDS-AB

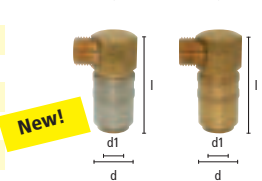
*Execution AL with longer male thread mainly used for assembly with Ermeto-screwings



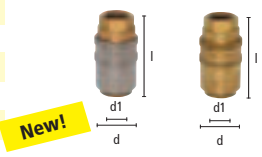
New!



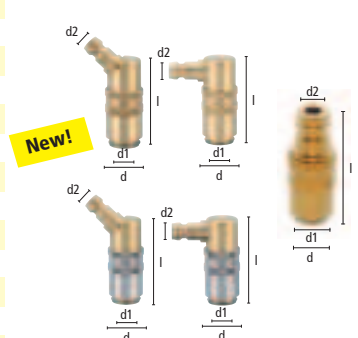
New!



New!



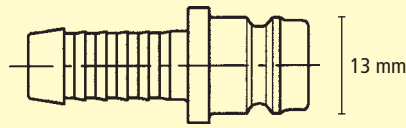
New!



New!

Temperature-regulation quick coupling system DN 9

Range ESH – plug size 13 mm – material brass 2.0401



Plug Profile (original size)

Pipe for diversion couplings (temperature-regulation pipe), hardened brass

Pipe o.D./i.D.	l	Passage	Weight/pc. g	Type No.
10/8	500	8	120	TR 500-10
10/8	250	8	60	TR 250-10



Blank End Coupling

Connection	l	d	d1	Weight/pc. g	Type No.
closed	37	22	13	67	ESH-B



Plugs

Plugs with standard hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
9 mm	39.5	22.5	13	7	23	ESH 9 SL
13 mm	39.5	25	13	9	25	ESH 13 SL



Plugs with quick-fit hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
10 mm	43.5	28	13	7	24	ESH 10 S
13 mm	43.5	28	13	9	26	ESH 13 S



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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	15	24	7	13	6	16	ESH 18 NA*
G 1/4"	15	26	9	13	9	17	ESH 14 NA*
G 3/8"	17	26	9	13	9	22	ESH 38 NA*
G 1/2"	22	31	12	13	9	42	ESH 12 NA*
G 3/4"	27	35	16	13	9	110	ESH 34 NA*
M 10 x 1	15	24	7	13	6.5	14	ESH 101 NA
M 14 x 1.5	15	26	9	13	9	16	ESH 1415 NA
M 16 x 1.5	17	26	9	13	9	20	ESH 1615 NA

Plugs with straight male thread with inner Hexagon without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	inner hexagon	Type No
G 1/4"	15	26	9	13	9	17	SW8,17mm depth	ESH 14 NAIB*
M14 x 1,5	15	26	9	13	9	16	SW8,17mm depth	ESH 1415 NAIB

For easy assembly with allen with key countersunk in the tool

Plugs with straight female thread without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 3/8 "	19	33	10	13	9	42	ESH 38 NI*
G 1/2 "	24	35	12	13	9	55	ESH 12 NI*

*Plugs with inch-thread nickel plated for simple distinction

New!



Temperature-regulation quick coupling system DN 9

Range ESH – plug size 13 mm – material brass 2.0401

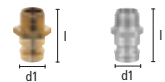
Plugs with 90° male thread without valve (metrical thread DIN 158/conical thread DIN 2999)

Thread	Hexagon l	Thread Length l2	d1	Passage	Weight/pc. g	Type No.
R 1/4"	17 34	11 25	13	9	45	ESH 14 NA-90*
M 14 x 1.5	17 34	11 25	13	9	7	ESH 1415 NA-90
R 3/8"	17 35	12 25	13	9	5	ESH 38 NA-90*



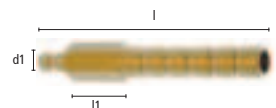
Plugs with straight male thread with valve

Thread	Hexagon l	Thread Length d1	Passage	Weight/pc. g	Type No.
G 1/4"	15 30	11 13	6	24	ESH 14 NAAB*
G 3/8"	17 31	12 13	9	28	ESH 38 NAAB*
G 1/2"	22 31	12 13	9	48	ESH 12 NAAB*
M 14 x 1.5	15 30	11 13	6	26	ESH 1415 NAAB
M 16 x 1.5	17 31	12 13	9	28	ESH 1615 NAAB



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

Thread	Hexagon l	Thread Length	d1 l1	Passage	Weight/pc. g	Type No.
G 1/4"	14 100	(6x10) 60	13 26	9	60	ESH 14-60 NA
G 1/4"	15 57	16	13 18	9	38	ESH 14 NAL 18
G 1/4"	15 110	16	13 71	9	75	ESH 14 NAL 71
G 3/8"	17 100	(6x10) 60	13 26	9	91	ESH 38-60 NA
M 14 x 1.5	14 100	(6x10) 60	13 26	9	55	ESH 1415-60 NA
M 16 x 1.5	17 100	(6x10) 60	13 26	9	93	ESH 1615-60 NA



Plug Pipes for countersunk mould threads

Pipe Ø	Hexagon l	l1	d1	Passage	Weight/pc. g	Type No.
14 mm	15 150	23	13	9	114	ESH 150 R
14 mm	15 300	23	13	9	210	ESH 300 R



System-Adaptors

System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6 – DN 9	34	14	14	9	6	13	18	ESH-ESHM
DN 9 – DN 9	34	14	14	13	9	13	24	ESH-ESH



Plugs with counterpart system "ARBURG" – system adaptors

System	Thread	l	Thread Length	Hexagon d1	d2	Passage	Weight/pc. g	Type No.
ESH-Arburg		64		13	14.8	9	77	ESH-ARB
Arburg	G 1/4"	62	9	17	14.8	9	85	ARB 14 NI
Arburg	G 3/8"	62	9	17	14.8	9	84	ARB 38 NI



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

*Plugs with inch-thread nickel plated for simple distinction

Temperature-regulation quick coupling system DN 13

Range ESHG – plug size 19 mm – material brass 2.0401

- For temperature-regulation applications with hot or cold water resp. oil.
- Optional with free passage, one-way or two-way shut-off
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses.
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information ☺ catalogue page 93

Materials

- Connections, sleeve, valve body, valve: MS 58 (2.0401)
- O-Rings: Viton (PTFE-coated)
- Spring, retaining ring, balls: stainless steel
- Plugs: MS 58 (2.0401)

Interchangeable
with
Hasco Z 8

New!

Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	13	ISO 228 / DIN 13	Yes	free, 1-way, 2-way	couplings1 / plugs 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
19 mm	92	31	34	19	13	222	ESHG 19 TL	ESHG 19 TLAB

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

Hose i.D.	45°	l	d	Stem Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
16 mm	straight	96	31	38	19	13	222	ESHG 16 T	ESHG 16 TAB
16 mm	45°	82	31	38	19	13	320	ESHG 16 T-45	ESHG 16 T-45AB
16 mm	90°	82	31	38	19	13	320	ESHG 16 T-90	ESHG 16 T-90AB
19 mm	straight	96	31	38	19	13	240	ESHG 19 T	ESHG 19 TAB

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

Hose i.D.	Stem Type	l	d	Stem Length	d1	Passage	Weight/pc. g	Type No. w/o valve
16 mm	quick-fit	75	31	38	19	13	163	ESHG 16 TK
19 mm	quick-fit	75	31	38	19	13	180	ESHG 19 TK
19 mm	standard	71	31	34	19	13	170	ESHG 19 TLK

Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
19 mm	78	31	36	19	13	305	ESHG 19 TL-45	ESHG 19 TL-45AB

Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
19 mm	78	31	34	19	13	310	ESHG 19 TL-90	ESHG 19 TL-90AB

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

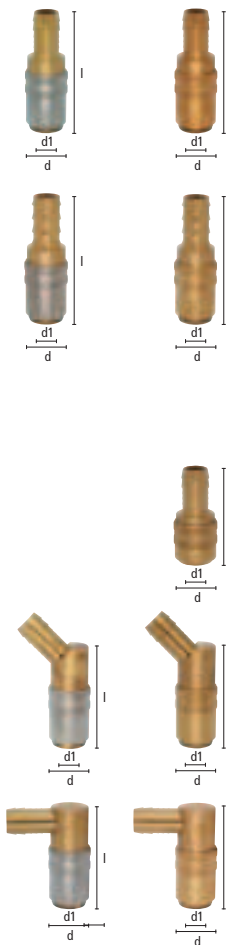
For hose i.D.	Colour	d	☺	Weight/pc. g	Type No.
16 mm	blue	25	50	10	AR-BL 16
16 mm	red	25	50	10	AR-RO 16
16 mm	yellow	25	50	10	AR-GE 16

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

Suitable hose clips, two-ear clips or crimping sockets for standard hoses – ☺ catalogue page 48–52

Further coupling types on request.

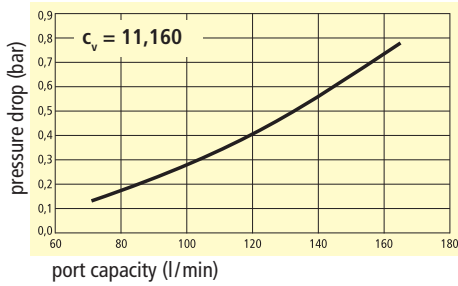
Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!



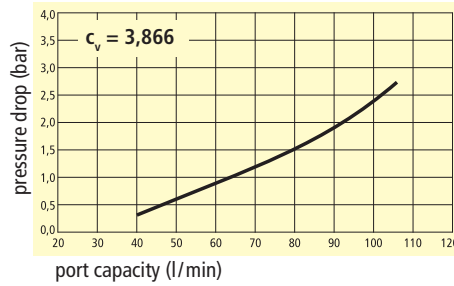
Temperature-regulation quick coupling system DN 13

Range ESHG – plug size 19 mm – material brass 2.0401

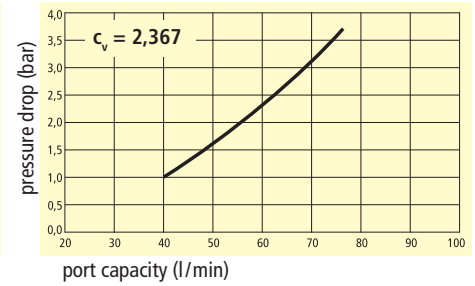
Pressure Drop Diagram Water
coupling system DN 13, free passage



Pressure Drop Diagram Water
coupling system DN 13, 1-way-shut-off



Pressure Drop Diagram Water
coupling system DN 13, 2-way-shut-off



Couplings with thread connection

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

Thread	Hexagon	l	d	Thread Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/2"	30	74	31	12	19	13	228	ESHG 12 A	ESHG 12 AAB
M 24 x 1.5	30	78	31	16	19	13	250	ESHG 2415 A	ESHG 2415 AAB
G 3/4"	30	78	31	16	19	13	250	ESHG 34 A	ESHG 34 AAB

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

Thread	Hexagon	l	d	Thread Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
M 24 x 1.5	30	80	31	18	19	13	328	ESHG 2415 A-45	ESHG 2415 A-45AB

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

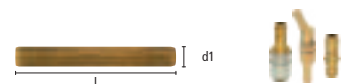
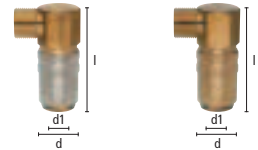
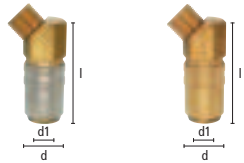
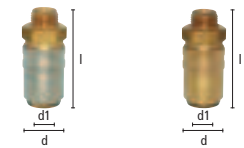
Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
M 24 x 1.5	30	80	31	18	19	13	338	ESHG 2415 A-90	ESHG 2415 A-90AB

Couplings with straight female thread without/with valve

Thread	Hexagon	l	d	Thread Length	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/4"	33	78	31	16	19	13	270	ESHG 34 I	ESHG 34 IAB

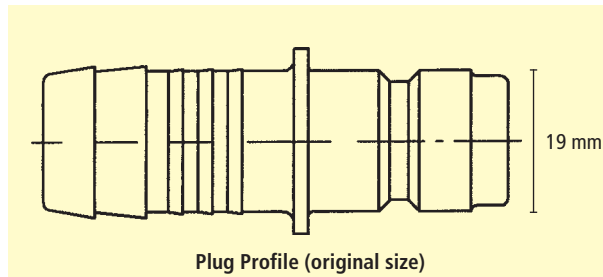
Pipe for diversion couplings (temperature-regulation pipe), hardened brass

Pipe o.D./i.D.	l	d1	Passage	Weight/pc. g	Type No.
14/12	500	14	12	170	TR 500-14



Temperature-regulation quick coupling system DN 13

Range ESHG – plug size 19 mm – material brass 2.0401



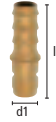
Plugs

Plugs with standard hose stem without valve



Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
13 mm	54	25	19	9	52	ESHG 13 SL
19 mm	63	34	19	13	81	ESHG 19 SL

Plugs with quick-fit hose stem without valve



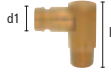
Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
16 mm	67	38	19	13	63	ESHG 16 S
19 mm	67	38	19	13	93	ESHG 19 S

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



Thread	Hexag.	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/2"	22	47	12	19	13	64	ESHG 12 NA
G 3/4"	27	51	16	19	13	107	ESHG 34 NA
M 24 x 1.5	27	51	16	19	13	97	ESHG 2415 NA

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



Thread	Hexag.	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
R 1/2"	24	47	16	19	13	100	ESHG 12 NA-90
M 24 x 1.5	24	47	16	19	13	105	ESHG 2415 NA-90

Plugs with straight male thread with valve



Thread	Hexag.	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/2"	22	47	12	19	13	84	ESHG 12 NAAB
G 3/4"	27	51	16	19	13	90	ESHG 34 NAAB
M 24 x 1.5	27	51	16	19	13	86	ESHG 2415 NAAB

Protection cap (plastic) for plug profile ESHG	100	ESHG-K
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Distribution Unit System for temperature-regulation lines

made of aluminium (anodised)

New!

- Blue and red anodised blocks for a clearly arranged composition of flow and reflux as close as possible to the moulding tool, for a direct assembly to the machine
- A central inflow from and outflow to the temperature-regulation tool, as many outlets as necessary to the moulding tool because of the modular construction and different lengths
- Aluminium profile can be extended or combined as often as desired due to the bar connector system
- 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 medium into the machine
- Lateral inlet thread G 3/4", above outlet thread 1/4" for coupling series DN 6 and DN 9
- Other types / executions on request

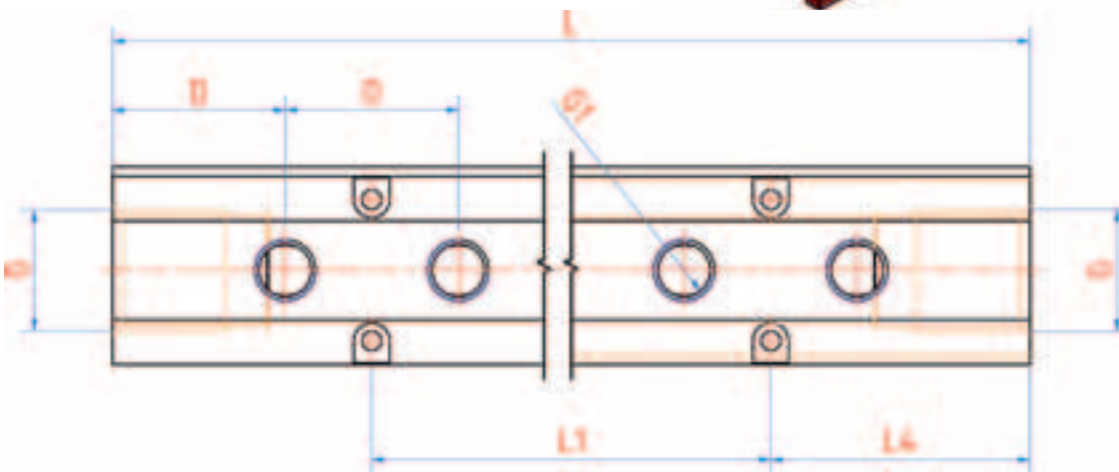
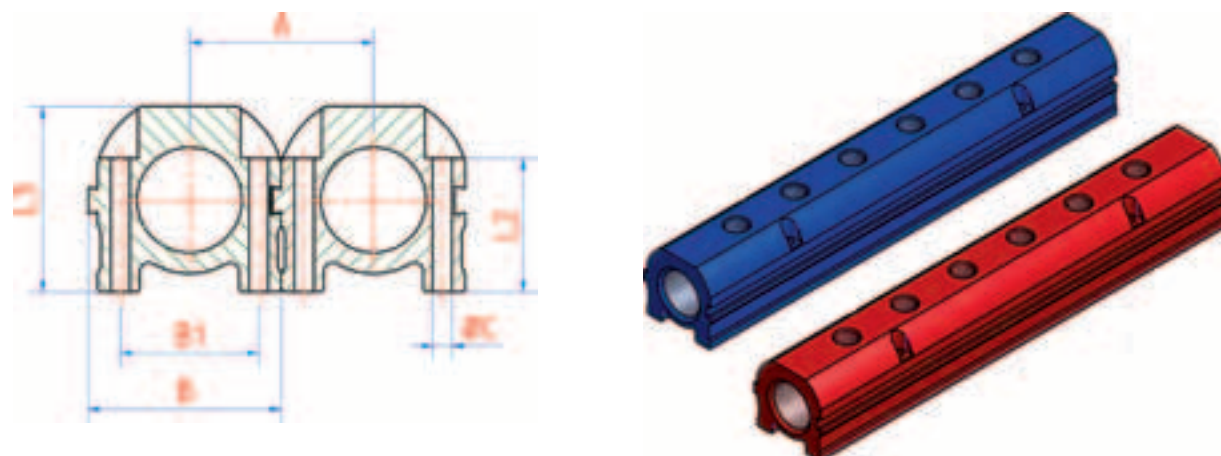
Max. work. pressure	Temperature	Material	Threads	Medium	⊗
PN 15 bar	-20°C – +200°C	Aluminium anodised	ISO 228	water / oil / air / vacuum	1

Distribution Blocks

		Outlet Inlet		Thread Thread		Total												
Outlets	Colour	G1	G	Lenght	B	L1	L2	L3	L4	∅C	A	D	B1	Weight/pc. g	Type No.			
4	blue	G 1/4"	G 3/4"	190	43,5	114	30	41,5	38	4,3	41,3	38	31	500	VB 34144-190 B			
4	red	G 1/4"	G 3/4"	190	43,5	114	30	41,5	38	4,3	41,3	38	31	500	VB 34144-190 R			
6	blue	G 1/4"	G 3/4"	266	43,5	190	30	41,5	38	4,3	41,3	38	31	700	VB 34146-266 B			
6	red	G 1/4"	G 3/4"	266	43,5	190	30	41,5	38	4,3	41,3	38	31	700	VB 34146-266 R			
8	blue	G 1/4"	G 3/4"	342	43,5	266	30	41,5	38	4,3	41,3	38	31	900	VB 34148-342 B			
8	red	G 1/4"	G 3/4"	342	43,5	266	30	41,5	38	4,3	41,3	38	31	900	VB 34148-342 R			
10	blue	G 1/4"	G 3/4"	418	43,5	342	30	41,5	38	4,3	41,3	38	31	1100	VB 341410-418 B			
10	red	G 1/4"	G 3/4"	418	43,5	342	30	41,5	38	4,3	41,3	38	31	1100	VB 341410-418 R			

Blank End Plug for Distribution Blocks

Male Thread	Inner Hexagon	Material	Weight/pc. g	⊗	Type No.
G 3/4"	SW 12	MS 58	80	5	VBS-34



Colour coding of couplings for flow and reflux

New!

For the easy distinction and identification of flow and reflux lines of the temperature regulation circuit the series ESHM, ESHME and ESH, ESHE can be ordered with a red resp. blue anodised aluminium ring as marking on the sleeve against a surcharge
Please pay attention to our minimum order quantity of 20 pcs./type.

Simply put the affix -R or -B at the end of our standard article numbers when ordering (e.g. ESHM 9 TLABR resp. ESHM 9 TLABB).



The aluminium rings can also be ordered as a spare part for self-assembly. Simply put the ring on the coupling sleeve!

Marking rings for temperature regulation couplings

For coupling type	Color	∅	Material	St.gew. g	Art.Nr.
ESHME, ESHM/DN6	red	17	Aluminium anodised	1	ESHM-CR-R
ESHME, ESHM/DN6	blue	17	Aluminium anodised	1	ESHM-CR-B
ESHE, ESH/DN9	red	22	Aluminium anodised	2	ESH-CR-R
ESHE, ESH/DN9	blue	22	Aluminium anodised	2	ESH-CR-B

For other coupling series also available on demand.

Swivelling couplings and plugs

New!

- Hose stem and male thread couplings of the series ESHM and ESH can be ordered optionally with a swivelling connection using a high-quality ball-and-socket joint with double o-ring sealing against a surcharge
- In case of an order simply put the affix -DR at the end of our standard article numbers (e.g. ESHM 9 TLABDR). Please pay attention to our minimum order quantity of 20 pcs./type.
- The swivel joint absorbs the pulling and rotary motion especially when opening and closing the tool in the machine. Thus a fast abrasion of the o-ring inside the coupling can be avoided through the permanent turning of the plug. Leaks in the temperature-regulation circuit are prevented in this way. Furthermore, the swivel joint helps the hoses of the tool not to kink.



For other coupling series also available on demand.

High-performance special gaskets for temperature-regulation couplings

New in our program: High-performance gaskets of Hitec-Viton and Hitec-EPDM for the coupling series ESHM, ESHME and ESH, ESHE against a surcharge of 2.76 gross/pc. Please pay attention to our minimum order quantity of 20 pcs./type.

New!

The HITEC®-FKM (Viton) o-ring features a high heat resistance until 200°C of permanent temperature and also a high resistance against synthetic oils, very good chemical resistance, resistant against aliphatic hydrocarbons (fuels)

180°C of permanent temperature and also a high resistance against hot water and steam
-also resistant to age and weather,
KTW approval for drinking water in Germany

The coupling sleeve is marked with a green anodised aluminium ring for an easy distinction towards standard couplings.
Simply put the affix -HV at the end of our standard article numbers when ordering (e.g. ESHM 9 TLABHV).

Attention: this ring is not resistant to mineral oil and grease!

The coupling sleeve is marked with a black anodised aluminium ring for an easy distinction towards standard couplings.
Simply put the affix -HE at the end of our standard article numbers when ordering (e.g. ESHM 9 TLABHE).

The HITEC®-EPDM o-ring features a high heat resistance until



For other coupling series also available on demand.

Temperature-regulation quick coupling system DN 6

Range ESHME – plug size 9 mm – material stainless steel 1.4305

- For temperature-regulation applications with hot or cold water resp. oil e.g. in clean room production
- Optional with free passage, one-way or two-way shut-off
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information (☺ catalogue page 93)



Materials

- Connections, sleeve, valve body, valve, plug: stainless steel 1.4305
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated)

New!

Interchangeable
with
Hasco Z 8



Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	6	ISO 228 / DIN 13	yes	free, 1-way, 2-way	couplings 1 / plugs 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	53	17	22.5	9	6	45	ESHME 9 TL	ESHME 9 TLAB

Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	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 i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	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)

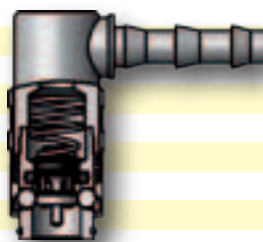
Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	48	17	9	9	6	60	ESHME 14 A	ESHME 14 AAB
M 14 x 1.5	17	48	17	9	9	6	60	ESHME 1415 A	ESHME 1415 AAB

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

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	47	17	9	9	6	65	ESHME 14 A-45	ESHME 14 A-45AB
M 14 x 1.5	17	47	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	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	47	17	9	9	6	75	ESHME 14 A-90	ESHME 14 A-90AB
M 14 x 1.5	17	47	17	9	9	6	75	ESHME 1415 A-90	ESHME 1415 A-90AB



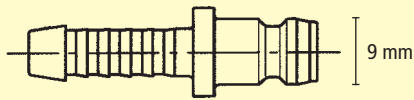
Safe connection of individual coupling parts due to special glue and supplementary Viton-O-Ring sealing.

Other types / measures on demand!

Suitable hose clips, two-ear clips or crimping sockets for standard hoses – (☺ catalogue page 48–52)

Temperature-regulation quick coupling system DN 6

Range ESHME – plug size 9 mm – material stainless steel 1.4305

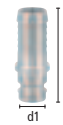


Plug Profile (original size)

Plugs

Plugs with standard hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
9 mm	39.5	22.5	9	6	13	ESHME 9 SL



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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	11	24	7	9	6	10	ESHME 18 NA
G 1/4"	15	26	9	9	6	14	ESHME 14 NA
M 8 x 0.75	11	24	7	9	4.5	9	ESHME 875 NA
M 10 x 1	11	24	7	9	6	8	ESHME 101 NA
M 14 x 1.5	15	26	9	9	6	14	ESHME 1415 NA



Plugs with straight male thread with valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/4"	15	29	12	9	6	14	ESHME 14 NAAB
M 14 x 1.5	15	29	12	9	6	15	ESHME 1415 NAAB

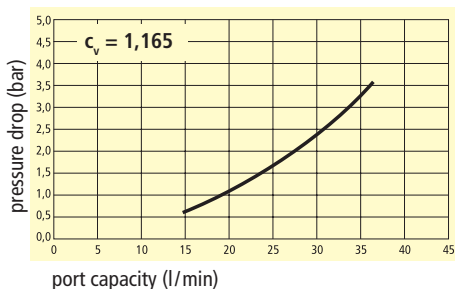


System-Adaptors

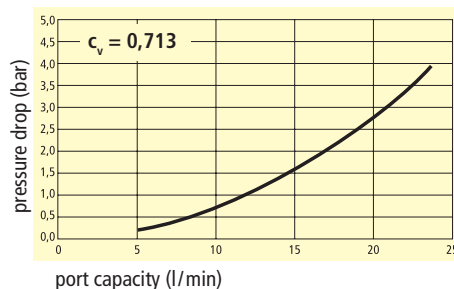
System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6 – DN 6	34	14	14	9	6	9	15	ESHME-ESHME
DN 6 – DN 9	34	14	14	9	6	13	19	ESHME-ESHE



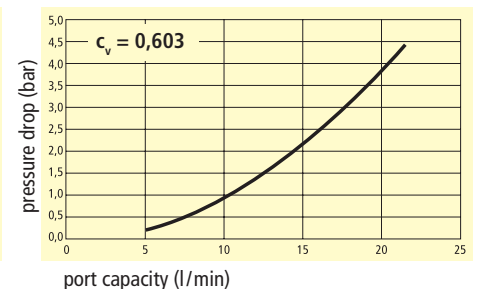
Pressure Drop Diagram Water coupling system DN 6, free passage



Pressure Drop Diagram Water coupling system DN 6, 1-way shut-off



Pressure Drop Diagram Water coupling system DN 6, 2-way shut-off



Temperature-regulation quick coupling system DN 9

Range ESHE – plug size 13 mm – material stainless steel 1.4305

- For temperature-regulation applications with hot or cold water resp. oil e.g. in clean room production
- Optional with free passage, one-way or two-way shut-off
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information (☺ catalogue page 93)

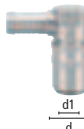
Materials

- Connections, sleeve, valve body, valve, plug: stainless steel 1.4305
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated)

New!



Interchangeable
with
Hasco Z 8



Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	9	ISO 228 / DIN 13	yes	free, 1-way, 2-way	couplings 1 / plugs 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
13 mm	61.5	22	25	13	9	81	ESHE 13 TL	ESHE 13 TLAB

Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
13 mm	51	22	30	13	9	109	ESHE 13 TL-45	ESHE 13 TL-45AB

Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
13 mm	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)

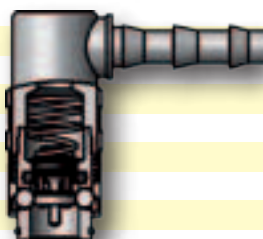
Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	52	22	9	13	9	94	ESHE 38 A	ESHE 38 AAB
M 16 x 1.5	22	52	22	9	13	9	93	ESHE 1615 A	ESHE 1615 AAB

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

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13	9	114	ESHE 38 A-45	ESHE 38 A-45AB
M 16 x 1.5	22	54	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	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13	9	126	ESHE 38 A-90	ESHE 38 A-90AB
M 16 x 1.5	22	54	22	9	13	9	126	ESHE 1615 A-90	ESHE 1615 A-90AB



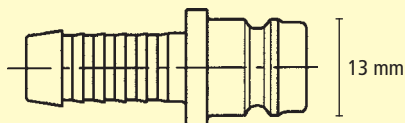
Safe connection of individual coupling parts due to special glue and supplementary Viton-O-Ring sealing.

Other types / measures on demand!

Suitable hose clips, two-ear clips or crimping sockets for standard hoses – (☺ catalogue page 48–52)

Temperature-regulation quick coupling system DN 9

Range ESHE – plug size 13 mm – material stainless steel 1.4305

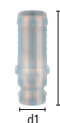


Plug Profile (original size)

Plugs

Plugs with standard hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
13 mm	39.5	25	13	9	25	ESHE 13 SL



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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/4"	15	26	9	13	9	17	ESHE 14 NA
G 3/8"	17	26	9	13	9	22	ESHE 38 NA
G 1/2"	22	31	12	13	9	22	ESHE 12 NA
M 14 x 1.5	15	26	9	13	9	16	ESHE 1415 NA
M 16 x 1.5	17	26	9	13	9	20	ESHE 1615 NA



Plugs with straight male thread with valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 3/8"	17	29	12	13	9	23.5	ESHE 38 NAAB
M 16 x 1.5	17	29	12	13	9	23	ESHE 1615 NAAB

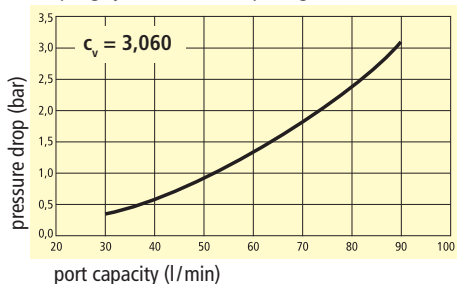


System-Adaptors

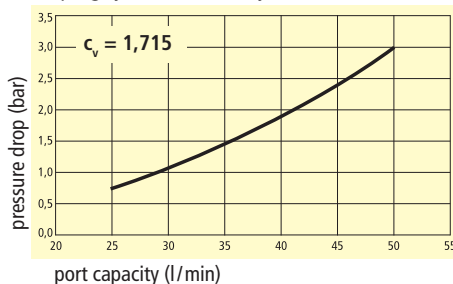
System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6 – DN9	34	14	14	9	6	13	19	ESHME-ESHE
DN 9 – DN 9	34	14	14	13	9	13	25	ESHE-ESHE



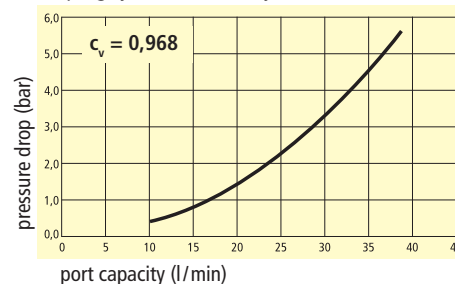
Pressure Drop Diagram Water coupling system DN 9, free passage



Pressure Drop Diagram Water coupling system DN 9, 1-way shut-off



Pressure Drop Diagram Water coupling system DN 9, 2-way shut-off



Temperature-regulation quick coupling system DN 6

Range ESDM – plug size 9,4 mm – material brass 2.0401

- For temperature-regulation applications with hot or cold water resp. oil.
- Optional with free passage, one-way or two-way shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request).
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information (☺ catalogue page 93)

Materials

- Connections, sleeve, valve body, valve, plug: MS 58 (2.0401)
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated) • Plugs: MS 58 (2.0401)

Interchangeable
with
DME 1/4"

New!

Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	6	ISO 228 / DIN 13	yes	free, 1-way, 2-way	couplings 5 / plugs 10

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	51	17	22.5	9.4	5	40	ESDM 6 TL	ESDM 6 TLAB
9 mm	51	17	22.5	9.4	6	45	ESDM 9 TL	ESDM 9 TLAB
13 mm	55	17	25	9.4	6	54	ESDM 13 TL	ESDM 13 TLAB

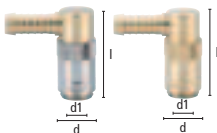
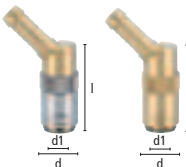
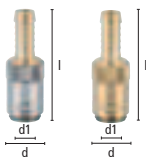
Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	St.gew. g	Type No. w/o valve	Type No. with valve
6 mm	40.5	17	25.5	9.4	5	58	ESDM 6 TL-45	ESDM 6 TL-45AB
9 mm	40.5	17	25.5	9.4	6	62	ESDM 9 TL-45	ESDM 9 TL-45AB

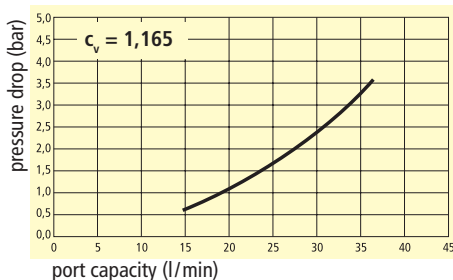
Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	40.5	17	25.5	9.4	5	58	ESDM 6 TL-90	ESDM 6 TL-90AB
9 mm	40.5	17	25.5	9.4	6	62	ESDM 9 TL-90	ESDM 9 TL-90AB

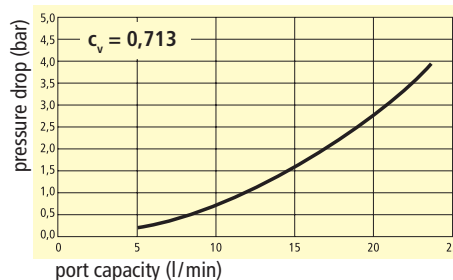
Suitable hose clips, two-ear clips or crimping sockets for standard hoses – (☺ catalogue page 48–52)



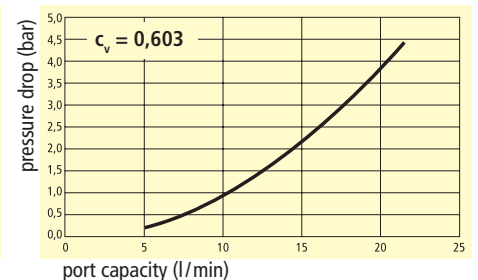
Pressure Drop Diagram Water
coupling system DN 6, free passage



Pressure Drop Diagram Water
coupling system DN 6, 1-way shut-off



Pressure Drop Diagram Water
coupling system DN 6, 2-way shut-off



Temperature-regulation quick coupling system DN 6

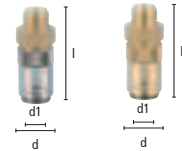
Range ESDM – plug size 9,4 mm – material brass 2.0401

Couplings with thread connection

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

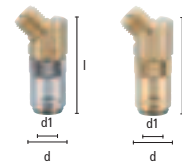
Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	46	17	9	9.4	6	60	ESDM 14 A	ESDM 14 AAB
G 3/8"	19	46	17	9	9.4	6	70	ESDM 38 A	ESDM 38 AAB
M 10 x 1	17	44	17	7	9.4	6	60	ESDM 101 A	ESDM 101 AAB
M 14 x 1.5	17	46	17	9	9.4	6	60	ESDM 1415 A	ESDM 1415 AAB
M 16 x 1.5	19	46	17	9	9.4	6	70	ESDM 1615 A	ESDM 1615 AAB
G 1/4 "	17	50	17	13	9.4	6	61	ESDM 14 AL	ESDM 14 ALAB
G 3/8 "	19	50	17	13	9.4	6	75	ESDM 38 AL	ESDM 38 ALAB
M14 x 1.5	17	50	17	13	9.4	6	65	ESDM 1415 AL	ESDM 1415 ALAB

Execution AL with longer male thread mainly used for assembly with Ermeto screwings.



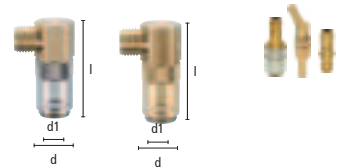
Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	45	17	9	9.4	6	65	ESDM 14 A-45	ESDM 14 A-45AB
G 3/8"	19	45	17	9	9.4	6	75	ESDM 38 A-45	ESDM 38 A-45AB
M 10 x 1	17	45	17	7	9.4	6	65	ESDM 101 A-45	ESDM 101 A-45AB
M 14 x 1.5	17	45	17	9	9.4	6	65	ESDM 1415 A-45	ESDM 1415 A-45AB
M 16 x 1.5	19	45	17	9	9.4	6	75	ESDM 1615 A-45	ESDM 1615 A-45AB



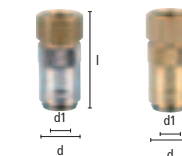
Couplings with 90° male thread without/with valve (inner cone DIN 3863)

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	45	17	9	9.4	6	75	ESDM 14 A-90	ESDM 14 A-90AB
G 3/8"	19	45	17	9	9.4	6	85	ESDM 38 A-90	ESDM 38 A-90AB
M 10 x 1	17	45	17	7	9.4	6	75	ESDM 101 A-90	ESDM 101 A-90AB
M 14 x 1.5	17	45	17	9	9.4	6	75	ESDM 1415 A-90	ESDM 1415 A-90AB
M 16 x 1.5	19	45	17	9	9.4	6	85	ESDM 1615 A-90	ESDM 1615 A-90AB



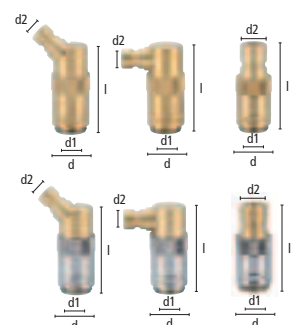
Couplings with straight female thread without/with valve

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	40	17	9	9.4	6	50	ESDM 14 I	ESDM 14 IAB
G 3/8	21	40	17	9	9.4	6	54	ESDM 38 I	ESDM 38 IAB
M 10 x 1	17	40	17	9	9.4	6	50	ESDM 101 I	ESDM 101 IAB
M 14 x 1.5	17	40	17	9	9.4	6	50	ESDM 1415 I	ESDM 1415 IAB



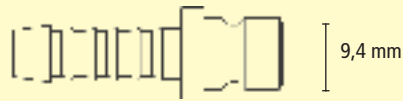
Couplings DN 6 with plug nipple DN 9 - System Adaptors

DN coupling	l	d	d2	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
6 mm	50.5	17	13.5	9.4	6	75	ESDMK-ESDS	ESDMK-ESDS-AB
6 mm	45	17	13.5	9.4	6	80	ESDMK-ESDS-45	ESDMK-ESDS-45 AB
6 mm	45	17	13.5	9.4	6	80	ESDMK-ESDS-90	ESDMK-ESDS-90 AB
6 mm	50	17	9	9.4	6	70	ESDMK-ESHMS	ESDMK-ESHMS-AB
6 mm	50	17	13.4	9.4	6	75	ESDMK-ESHS	ESDMK-ESHS-AB



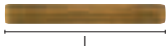
Temperature-regulation quick coupling system DN 6

Range ESDM – plug size 9,4 mm – material brass 2.0401



Plug Profile (original size)

Pipe for diversion couplings (temperature-regulation pipe), hardened brass



Pipe o.D./i.D.	l	Passage	Weight/pc. g	Type No.
8/6	500	6	93	TR 500-8
8/6	250	6	45	TR 250-8

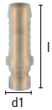
Blank End Coupling



Connection	l	d	d1	Weight/pc. g	Type No.
closed	30	17	9.4	37	ESDM-B

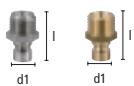
Plugs

Plugs with standard hose stem without valve



Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
6 mm	39.5	22.5	9.4	5	9	ESDM 6 SL
9 mm	39.5	22.5	9.4	6	13	ESDM 9 SL
13 mm	39.5	22.5	9.4	6	17	ESDM 13 SL

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

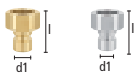


New!

New!

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	11	22	8	9,4	6	10	ESDM 18 NA*
R 1/8"	11	25	11	9,4	6	12	ESDM 18 NAR*
G 1/4"	14	23	9	9,4	6	14	ESDM 14 NA*
R 1/4"	14	26	12	9,4	6	16	ESDM 14 NAR*
G 3/8"	17	23,5	9	9,4	6	18	ESDM 38 NA*
M 8 x 0,75	11	20,5	7	9,4	4,5	9	ESDM 875 NA
M 10 x 1	11	22	7	9,4	6	8	ESDM 101 NA
M 14 x 1,5	14	23	9	9,4	6	10	ESDM 1415 NA
M 16 x 1,5	17	23	9	9,4	6	18	ESDM 1615 NA

Plugs with straight female thread without valve



Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	14	22	9	9.4	6	15	ESDM 18 NI*
G 1/4"	17	23	9	9.4	6	19	ESDM 14 NI*
G 3/8"	19	23	10	9.4	6	19	ESDM 38 NI*

*Plugs with inch-thread nickel plated for simple distinction

Temperature-regulation quick coupling system DN 6

Range ESDM – plug size 9,4 mm – material brass 2.0401

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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
R 1/8"	15	27	9	9.4	6	35	ESDM 18 NA-90*
R 1/4"	15	29	11	9.4	6	35	ESDM 14 NA-90*
R 3/8"	17	30	12	9.4	6	35	ESDM 38 NA-90*
M 8 x 0.75	15	27	9	9.4	4.5	38	ESDM 875 NA-90
M 10 x 1	15	27	9	9.4	6	38	ESDM 101 NA-90
M 14 x 1.5	15	29	11	9.4	6	40	ESDM 1415 NA-90



Plugs with straight male thread with valve

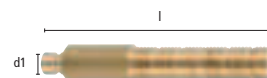
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/4"	14	25,5	11	9,4	6	14	ESDM 14 NAAB*
R 1/4"	14	28,5	14	9,4	6	18	ESDM 14 NARAB*
G 3/8"	17	26,5	11	9,4	6	22	ESDM 38 NAAB*
M 14 x 1,5	15	25,5	11	9,4	6	15	ESDM 1415 NAAB

New!



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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	11	100	(6x10) 60	9.4	6	36	ESDM 18-60 NA
G 1/4"	14	100	(6x10) 60	9.4	6	58	ESDM 14-60 NA
G 3/8"	17	100	(6x10) 60	9.4	6	90	ESDM 38-60 NA
M 10 x 1	11	100	(6x10) 60	9.4	6	36	ESDM 101-60 NA
M 14 x 1.5	14	100	(6x10) 60	9.4	6	61	ESDM 1415-60 NA



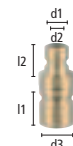
Plug Pipes for countersunk mould threads

Pipe Ø	Hexagon	l	l1	d1	Passage	Weight/pc. g	Type No.
8 mm	11 mm	63	21	9.4	6	14	ESDM 68 R
8 mm	11 mm	100	21	9.4	6	20	ESDM100 R
10 mm	11 mm	63	21	9.4	6	20	ESDM 68 R10
10 mm	11 mm	100	21	9.4	6	38	ESDM 100 R10
10 mm	11 mm	120	21	9.4	6	49	ESDM 120 R



System-Adaptors

System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6 – DN 6	27	10.5	10.5	9.4	6	9.4	14	ESDM-ESDM
DN 6 – DN 9	31	15.5	10.5	9.4	6	13.5	18	ESD-ESDM
DN 6 – DN 6	31	10	10.5	9.4	6	9	14	ESDM-ESHM
DN 6 – DN 9	31	14	10.5	9.4	6	13	18	ESDM-ESH
Protection cap (plastic) for plug profile ESDM							100	ESDM-K



*Plugs with inch-thread nickel plated for simple distinction

Temperature-regulation quick coupling system DN 9

Range ESD – plug size 13,5 mm – material brass 2.0401

- For temperature-regulation applications with hot or cold water resp. oil.
- Optional with free passage, one-way or two-way shut-off
- Hose couplings available with standard stem profile for standard hoses (quick-fit profile for quick-fit hoses on request).
- All couplings available with disconnect-protection against surcharge (just add „S“ on Type No.)!
- Detailed Information (☺ catalogue page 93)

Materials

- Connections, sleeve, valve body, valve, plugs: MS 58 (2.0401)
- Spring, retaining ring, balls: stainless steel
- O-Rings: Viton (PTFE-coated) • Plugs: MS 58 (2.0401)

Interchangeable
with
DME 3/8

New!

Max. Working Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-off	☺
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	9	ISO 228 / DIN 13	yes	free, 1-way, 2-way	couplings 5 / plugs 10

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	61.5	22	25	13.5	7	72	ESD 9 TL	ESD 9 TLAB
13 mm	61.5	22	25	13.5	9	81	ESD 13 TL	ESD 13 TLAB

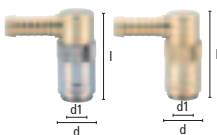
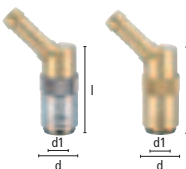
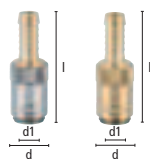
Couplings with 45° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	St.gew. g	Type No. w/o valve	Type No. with valve
9 mm	51	22	30	13.5	7	103	ESD 9 TL-45	ESD 9 TL-45AB
13 mm	51	22	30	13.5	9	109	ESD 13 TL-45	ESD 13 TL-45AB

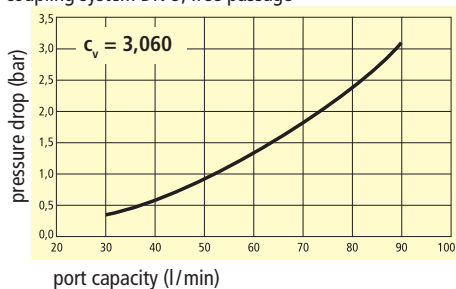
Couplings with 90° standard hose stem without/with valve

Hose i.D.	l	d	Stem Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	51	22	30	13.5	7	105	ESD 9 TL-90	ESD 9 TL-90AB
13 mm	51	22	30	13.5	9	111	ESD 13 TL-90	ESD 13 TL-90AB

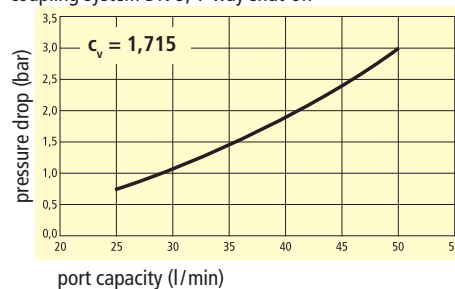
Suitable hose clips, two-ear clips or crimping sockets for standard hoses – (☺ catalogue page 48–52)



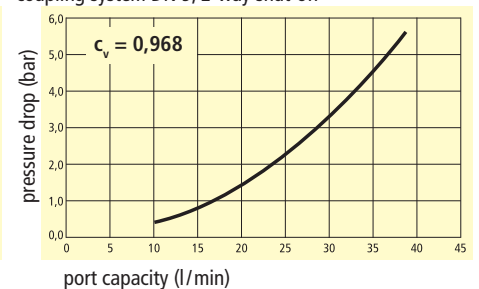
Pressure Drop Diagram Water
coupling system DN 9, free passage



Pressure Drop Diagram Water
coupling system DN 9, 1-way shut-off



Pressure Drop Diagram Water
coupling system DN 9, 2-way shut-off



Temperature-regulation quick coupling system DN 9

Range ESD – plug size 13.5 mm – material brass 2.0401

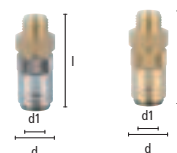
Couplings with thread connection

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

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	22	52	22	9	13.5	9	90	ESD 14 A	ESD 14 AAB
G 3/8"	22	52	22	9	13.5	9	94	ESD 38 A	ESD 38 AAB
M 16 x 1.5	22	52	22	9	13.5	9	93	ESD 1615 A	ESD 1615 AAB
G 1/2"	24	53	22	10	13.5	9	95	ESD 12 A	ESD 12 AAB
G 3/8"	22	52	22	11	13.5	9	94	ESD 38 AL	ESD 38 ALAB
M 16 x 1.5	22	52	22	11	13.5	9	105	ESD 1615 AL	ESD 1615 ALAB
G 1/2"	24	54,5	22	12	13.5	9	110	ESD 12 AL	ESD 12 ALAB

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

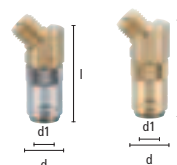
New!



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

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13.5	9	114	ESD 38 A-45	ESD 38 A-45AB
M 16 x 1.5	22	54	22	9	13.5	9	114	ESD 1615 A-45	ESD 1615 A-45AB
G 3/8"	22	54	22	11	13.5	9	125	ESD 38 AL-45	ESD 38 AL-45AB

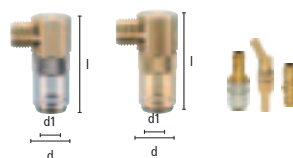
Execution AL with longer male thread mainly used for assembly with Ermeto-screwings.



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

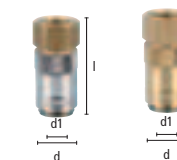
Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 3/8"	22	54	22	9	13.5	9	126	ESD 38 A-90	ESD 38 A-90AB
M 16 x 1.5	22	54	22	9	13.5	9	126	ESD 1615 A-90	ESD 1615 A-90AB
G 3/8"	22	54	22	11	13.5	9	125	ESD 38 AL-90	ESD 38 AL-90AB

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



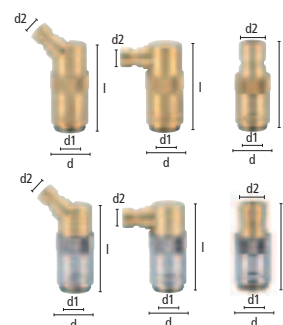
Couplings with straight female thread without/with valve

Thread	Hexag.	l	d	Thread Leng.	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
G 1/4"	17	44,5	22	9	13.5	9	75	ESD 14 I	ESD 14 IAB
G 3/8"	22	46	22	9	13.5	9	84	ESD 38 I	ESD 38 IAB
G 1/2"	24	49	22	12	13.5	9	110	ESD 12 I	ESD 12 IAB



Couplings DN 9 with plug DN 6 - ESHM - System Adaptor and ESH-ESD System Adaptor

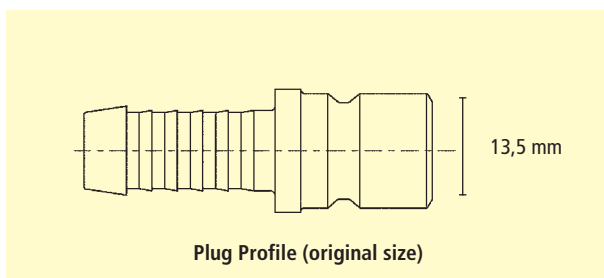
DN coupling	l	d	d2	d1	Passage	Weight/pc. g	Type No. w/o valve	Type No. with valve
9 mm	48	22	9,4	13,5	6	85	ESDK-ESDMS	ESDK-ESDMS-AB
9 mm	54	22	9,4	13,5	6	100	ESDK-ESDMS-45	ESDK-ESDMS-45AB
9 mm	54	22	9,4	13,5	6	100	ESDK-ESDMS-90	ESDK-ESDMS-90AB
9 mm	51	22	9	13,5	6	85	ESDK-ESHMS	ESDK-ESHMS-AB
9 mm	51	22	13	13,5	9	100	ESDK-ESHS	ESDK-ESHS-AB



New!

Temperature-regulation quick coupling system DN 9

Range ESD – plug size 13.5 mm – material brass 2.0401



Pipe for diversion couplings (temperature-regulation pipe), hardened brass

Pipe o.D./i.D.	l	Passage	Weight/pc. g	Type No.
10/8	500	8	120	TR 500-10
10/8	250	8	60	TR 250-10

Blank End Coupling

Connection	l	d	d1	Weight/pc. g	Type No.
closed	37	22	13.5	67	ESD-B

Plugs

Plugs with standard hose stem without valve

Hose i.D.	l	Stem Length	d1	Passage	Weight/pc. g	Type No.
6 mm	41	22,5	13,5	5	20	ESD 6 SL
9 mm	41	22,5	13,5	7	23	ESD 9 SL
13 mm	43,5	25	13,5	9	25	ESD 13 SL

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

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/8"	15	27	7	13,5	6	16	ESD 18 NA*
G 1/4"	15	29	9	13,5	9	17	ESD 14 NA*
R 1/4"	15	32	12	13,5	9	21	ESD 14 NAR*
G 3/8"	17	29	9	13,5	9	22	ESD 38 NA*
R 3/8"	17	32	12	13,5	9	26	ESD 38 NAR*
G 1/2"	22	32	12	13,5	9	42	ESD 12 NA*
G 3/4"	27	36,5	16	13,5	9	77	ESD 34 NA*
M 10 x 1	15	27	7	13,5	6,5	14	ESD 101 NA
M 14 x 1,5	15	29	9	13,5	9	16	ESD 1415 NA
M 16 x 1,5	17	29	9	13,5	9	20	ESD 1615 NA

Plugs with straight female thread without valve

Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/4"	17	27	9	13.5	9	21	ESD 14 NI*
G 3/8"	22	27.5	10	13.5	9	32	ESD 38 NI*
G 1/2"	24	29.5	12	13.5	9	55	ESD 12 Ni*

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

Thread	Hexagon	l	Thread Length	l2	d1	Passage	Weight/pc. g	Type No.
R 1/4"	17	35.5	11	26.5	13.5	9	45	ESD 14 NA-90*
M 14 x 1.5	17	35.5	11	26.5	13.5	9	47	ESD 1415 NA-90
R 3/8"	17	35.5	12	26.5	13.5	9	45	ESD 38 NA-90*

*Plugs with inch-thread nickel plated for simple distinction

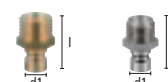
Temperature-regulation quick coupling system DN 9

Range ESD – plug size 13.5 mm – material brass 2.0401

Plugs with straight male thread with valve

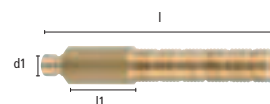
Thread	Hexagon	l	Thread Length	d1	Passage	Weight/pc. g	Type No.
G 1/4"	15	30	9,5	13,5	6	24	ESD 14 NAAB*
G 3/8"	17	31	10,5	13,5	9	28	ESD 38 NAAB*
R 3/8"	17	34	13,5	13,5	9	32	ESD 38 NARAB*
M 14 x 1,5	15	30	9,5	13,5	6	26	ESD 1415 NAAB
M 16 x 1,5	17	31	10,5	13,5	9	28	ESD 1615 NAAB

New!



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

Thread	Hexagon	l	Thread Length	l1	d1	Passage	Weight/pc. g	Type No.
G 1/4"	14	100	(6x10) 60	26	13.5	9	60	ESD 14-60 NA
G 1/4"	15	57	16	18	13.5	9	38	ESD 14 NAL 18
G 1/4"	15	110	16	71	13.5	9	75	ESD 14 NAL 71
G 3/8"	17	100	(6x10) 60	26	13.5	9	91	ESD 38-60 NA
M 14 x 1.5	14	100	(6x10) 60	26	13.5	9	55	ESD 1415-60 NA
M 16 x 1.5	17	100	(6x10) 60	26	13.5	9	93	ESD 1615-60 NA



Plug Pipes for countersunk mould threads

Pipe	Hexagon	l	l1	d1	Passage	Weight/pc. g	Type No.
14 mm	15	150	23	13.5	9	114	ESD 150 R

System-Adaptors

System	l	l1	l2	d1	d2	d3	Weight/pc. g	Type No.
DN 6-DN 9	31	14	14	9.4	6	13.5	18	ESD-ESDM
DN 9-DN 9	34	14	14	13.5	9	13.5	24	ESD-ESD
DN 9-DN9	34	14	14	13	9	13.5	24	ESH-ESD



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

*Plugs with inch-thread nickel plated for simple distinction

Screwings and combination parts

material brass 2.0401

- For temperature-regulation applications with hot- or cold water resp. oil
- Hose connections available with standard hose stem for standard hoses or quick-fit stem profile for quick-fit hoses
- Detailed information (☺ catalogue page 93)
- Material: brass MS 58 (2.0401)

Max. Working Pressure	Temperature	Medium	Threads	Material	Inner Cone
PN 15 bar	-20°C – +200°C	air / water / oil / vacuum	ISO 228 / DIN 13	MS 58	DIN 3863

Standard hose stem pipes for counter-sunk mould threads

Hose i.D.	○Hexag.	l	Stem Length	Pipe∅	Passage	Weight/pc. g	☒	Type No.
9 mm	11	120	29,5	10	6	50	1	ESHM 120 RS
13 mm	15	150	35	14	9	114	1	ESH 150 RS

Female thread pipes for counter-sunk mould threads

Thread	○Hexag.	l	Thread Length	Pipe∅	Passage	Weight/pc. g	☒	Type No.
M 14 x 1,5	17	120	12	10	6	60	1	ESHM 120 RI
M 16 x 1,5	22	150	12	14	9	130	1	ESH 150 RI

New!

Standard hose stems with outer cone DIN 3863 and hexagon nut, straight, 45° angle and 90° angle

Nut Thread	Hose i.D.	○Hexag.	l	Stem Length	Connect.	Passage	Weight/pc. g	☒	Type No.
G 1/4"	9 mm	17	40	23,5	straight	6	31	10	ST 149 MHL
G 1/4"	9 mm	17	52	22,5	45°	6	60	10	ST 149 MHL-45
G 1/4"	9 mm	17	34	22,5	90°	6	60	10	ST 149 MHL-90
G 3/8"	13 mm	22	41	27	straight	9	50	10	ST 3813 MHL
G 3/8"	13 mm	22	56	22,5	45°	9	80	10	ST 3813 MHL-45
G 3/8"	13 mm	22	40	22,5	90°	9	80	10	ST 3813 MHL-90
G 3/4"	19 mm	32	52	32	straight	13	130	10	ST 3419 MHL
M 14 x 1,5	9 mm	17	40	23,5	straight	6	33	10	ST 14159 MHL
M 14 x 1,5	9 mm	17	52	22,5	45°	6	60	10	ST 14159 MHL-45
M 14 x 1,5	9 mm	17	34	22,5	90°	6	60	10	ST 14159 MHL-90
M 16 x 1,5	13 mm	22	41	27	straight	9	50	10	ST 161513 MHL
M 16 x 1,5	13 mm	22	56	22,5	45°	9	80	10	ST 161513 MHL-45
M 16 x 1,5	13 mm	22	40	22,5	90°	9	80	10	ST 161513 MHL-90
M 24 x 1,5	19 mm	30	52	32	straight	13	132	10	ST 241519 MHL

Male thread connection nipples with inner cone DIN 3863

Thread	○Hexagon	l	l1	l2	Passage	Weight/pc. g	☒	Type No.
2 x G 1/4"	17	23	9	9	6	21	10	D 14 MH
2 x G 3/8"	19	23	9	9	9	39	10	D 38 MH
2 x G 1/2"	22	30	12	12	13	46	10	D 12 MH
2 x G 3/4"	27	40	16	16	13	125	10	D 34 MH
G 1/4" / M 14 x 1,5	17	23	9	9	6	23	10	D 14-1415 MH
G 3/8" / M 16 x 1,5	19	23	9	9	9	39	10	D 38-1615 MH
G 1/2" / M 14 x 1,5	22	30	12	9	6	55	10	D 12-1415 MH
G 1/2" / M 16 x 1,5	22	30	12	9	9	55	10	D 12-1615 MH
G 1/2" / M 24 x 1,5	27	36	16	12	13	114	10	D 12-2415 MH
G 3/4" / M 24 x 1,5	27	40	16	16	13	105	10	D 34-2415 MH
2 x M 14 x 1,5	17	23	9	9	6	30	10	D 1415 MH
2 x M 16 x 1,5	19	23	9	9	9	26	10	D 1615 MH
2 x M 24 x 1,5	27	40	16	16	13	125	10	D 2415 MH



Screwings and combination parts

material brass 2.0401

Female thread standard hose stems

Thread	Hose i.D.○Hexag.l	Thread Leng.	Stem Leng.	Passage	Weight/pc. g	☒	Type No.
M 14 x 1.5	9 mm 17	37.5	12	22.5	6	20	10 TI 14159 MHL
M 16 x 1.5	13 mm 22	40	12	25	9	45	10 TI 161513 MHL
M 24 x 1.5	19 mm 30	55	18	35	13	108	10 TI 241519 MHL



Male thread standard hose stems with inner cone DIN 3863

Thread	Hose i.D.○Hexag.l	Thread Leng.	Stem Leng.	Passage	Weight/pc. g	☒	Type No.
M 8 x 0,75	6 mm 11	33,5	7	22,5	4,5	13	10 G 875-6 THL
M 8 x 0,75	9 mm 11	33,5	7	22,5	4,5	19	10 G 875-9 THL
M 10 x 1	9 mm 11	33,5	7	22,5	6	20	10 G 101-9 THL
G 1/8"	9 mm 11	33,5	7	22,5	6	20	10 G 18-9 THL
G 1/4"	9 mm 15	37,5	9	22,5	6	21	10 G 14-9 THL
G 1/4"	13 mm 15	40	9	25	8	34	10 G 14-13 THL
M 12 x 1.5	13 mm 15	40	9	25	7	35	10 G 1215-13 THL
M 14 x 1.5	13 mm 15	40	9	25	9	36	10 G 1415-13 THL
G 3/8"	9 mm 17	37,5	9	22,5	6	27	10 G 38-9 THL
G 3/8"	13 mm 17	40	9	25	9	36	10 G 38-13 THL
M 16 x 1.5	13 mm 17	40	9	25	9	36	10 G 1615-13 THL
G 1/2"	19 mm 22	50	12	35	13	73	10 G12-19 THL
M 24 x 1.5	19 mm 27	56	16	35	13	114	10 G 2415-19 THL
G 3/4"	19 mm 27	56	16	35	13	125	10 G 34-19 THL



Male thread standard hose stems 90° (metric threads acc. DIN 158/R-threads acc. DIN 2999)

Thread	Hose i.D.○Hexag.l	Thread Leng.	Stem Leng.	Passage	Weight/pc. g	☒	Type No.
M 5 x 0,5	5 9	15,5	5	18	2,7	9	10 ESHMC 505-5SL-90
M 8 x 0,75	5 9	17,5	5	20	2,7	11	10 ESHMC 875-5SL-90
M 8 x 0,75	9 15	27	9	20	4,5	35	10 ESHM 875-9SL-90
M 10 x 1	9 15	27	9	20	6	38	10 ESHM 101- 9SL-90
R 1/8"	9 15	27	9	20	6	38	10 ESHM 18-9SL-90
M 14 x 1,5	13 17	34	11	24	9	47	10 ESH 1415-13SL-90
R 1/4"	13 17	34	11	24	9	48	10 ESH 14-13 SL-90
R 1/2"	19 24	47	16	32	13	158	10 ESHG 12-19SL-90
M 24 x 1,5	19 24	47	16	32	13	165	10 ESHG2415-19SL-90



Suitable hose clips, two-ear clips or crimping sockets for standard hoses (☒ catalogue page 48 – 52)

Male thread quick-fit hose stems

Thread	Hose i.D.○Hexag.l	Thread Leng.	Stem Leng.	Passage	Weight/pc. g	☒	Type No.
M 10 x 1	6 mm 11	41	9	28	6	20	10 G 101-6 TH
G 1/8"	6 mm 14	39	7	28	4	16	10 G 18-6 TH
G 1/4"	6 mm 17	39	7	28	4	19	10 G 14-6 TH
G 1/8"	10 mm 14	39	7	28	5	21	10 G 18-10 TH
G 1/4"	10 mm 17	39	7	28	7	23	10 G 14-10 TH
G 1/4"	13 mm 17	39	7	28	9	28	10 G 14-13 TH
M14 x 1.5	10 mm 15	42	9	28	7	26	10 G 1415-10 TH
G 3/8"	10 mm 17	43	10	28	7	32	10 G 38-10 TH
G 3/8"	13 mm 17	43	10	28	9	36	10 G 38-13 TH
G 1/2"	10 mm 22	43	10	28	7	41	10 G 12-10 TH
G 1/2"	13 mm 22	43	10	28	9	41.5	10 G 12-13 TH
G 1/2"	16 mm 22	58	12	38	13	70	10 G 12-16 TH
G 3/4"	16 mm 27	62	16	38	13	120	10 G 34-16 TH
G 3/4"	19 mm 27	62	16	38	14	135	10 G 34-19 TH



Quick-fit hose menders with / without safety collar

Hose I.D.	Safety collar	DN	I	Weight/pc. g	☒	Type No.
13 mm	with	10	58	24	10	SV 13 R-TH
13 mm	without	10	47	26	10	SV 13 R-THO
16 mm	without	13	47	39	10	SV 16 R-THO

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses!

Coloured marking rings (☒ catalogue page 102 / 106)



Screwings and combination parts

material brass 2.0401

Angle screwings for 45° or 90° connections



Angle°	○Hexagon	Male thread	Female thread	l	Weight/pc. g	☒	Type No.
45°	20	G 1/4"	G 1/4"	29 mm	42	10	W 14 IA-45
90°	20	G 1/4"	G 1/4"	29 mm	53	10	W 14 IA-90

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

Swivel head screwing for trimming of blow nozzles



Connection Thread	Nozzle Thread	Displacement	○Hexagon	l	d	Weight/pc. g	☒	Type No.
G 1/4" male	G 1/4" IG	ca. 47°	22	53	27	104	10	KGV 14

(Temperature -20°C/+100°C)

Male thread- / Female thread-reducing nipples



Male thread	Female thread	○Hexagon	l	l1	Weight/pc. g	☒	Type No.
M 14 x 1.5	M 10 x1	17	11	7	10	10	R 1415-101 NH
M 18 x 1.5	M 14 x 1.5	22	14	9	15	10	R 1815-1415 NH
G 1/4"	G 1/8"	17	11	7	10	10	R 14-18 NH
G 3/8"	G 1/4"	19	13	9	15	10	R 38-14 NH
G 1/2"	G 3/8"	24	18	12	19	10	R 12-38 NH
M 24 x 1.5	M 16 x 1.5	27	24	16	58	10	R 2415-1615 NH
G 3/4"	G 1/2"	27	24	16	55	10	R 34-12 NH

Locking screws with inner hexagon DIN 906 with tapered male thread



Male thread	○Hexagon	l	Weight/pc. g	☒	Type No.
M 8 x 0.75	4	8	3	10	VS 875
M 10 x 1	5	8	3.5	10	VS 101
M 12 x 1.5	6	8	6	10	VS 1215
M 14 x 1.5	7	10	11	10	VS 1415
R 1/8"	5	8	7.5	10	VS 18
R 1/4"	7	10	11	10	VS 14
R 3/8"	8	10	13	10	VS 38
R 1/2"	10	10	18	10	VS 12

Locking screws with inner hexagon DIN 906 with parallel male thread



Male thread	○Hexagon	l	Weight/pc. g	☒	Type No.
M 8 x 0,75	4	8	3	10	VS 875 ZY
M 10 x 1	5	8	3,5	10	VS 101 ZY
M 12 x 1,5	6	8	6	10	VS 1215 ZY
M 14 x 1,5	7	10	11	10	VS 1415 ZY
G 1/8"	5	8	7,5	10	VS 18 ZY
G 1/4"	7	10	11	10	VS 14 ZY
G 3/8"	8	10	13	10	VS 38 ZY
G 1/2"	10	10	18	10	VS 12 ZY

Female thread combination nipples



Thread	○Hexagon	l	l1	Weight/pc. g	☒	Type No.
2 x G 1/4"	17	26	12	21	10	U 14 NH
G 1/2" / M 14 x 1.5	27	24	12	45	10	U 12-1415 NH
G 1/2" / M 16 x 1.5	27	24	12	46	10	U 12-1615 NH
G 3/4" / M 14 x 1.5	32	28	16	75	10	U 34-1415 NH
G 3/4" / M 16 x 1.5	32	28	16	77	10	U 34-1615 NH

Screwings and combination parts

material brass 2.0401

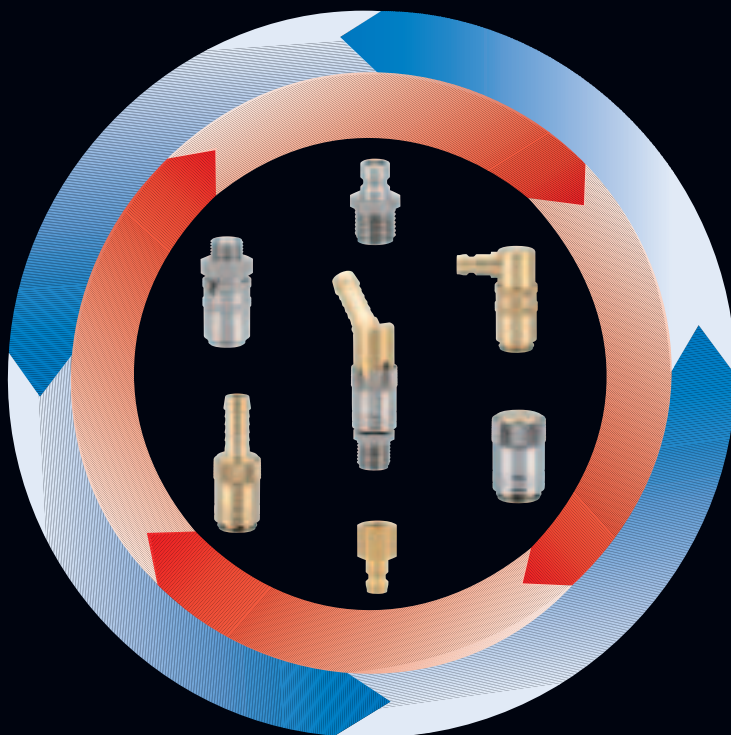
Male thread standard hose stems with collar

Thread	Hose i. D.	Hexag.	l	thread	Collar	stem	Passage	Weight/pc. g	⊞	Type No.
G 1/8"	9	11	40	7	7	22,5	6	15	10	G 189 TA
G 1/4"	13	15	47	9	7	25	9	33	10	G 1413 TA
G 1/2"	19	22	62	12	10	32	13	100	5	G 1219 TA
G 3/4"	19	27	62	12	10	32	13	150	5	G 3419 TA
M 10 x 1	9	11	40	7	7	22,5	6	15	10	G 1019 TA
M 12 x 1,5	13	15	47	9	7	25	8	33	10	G 121513 TA
M 14 x 1,5	13	15	47	9	7	25	9	33	10	G 141513 TA
M 24 x 1,5	19	27	62	12	10	32	13	140	5	G 241519 TA



LÜDECKE

Seit 1930. The perfekt connection.



Quick Coupling Systems and screwings
for temperature-regulation applications

NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++ NEW ++

8 Quick coupling systems with standard plug profiles and screwings for each application in perfect lüdecke quality.

"MADE IN GERMANY"



NEW
expanded program

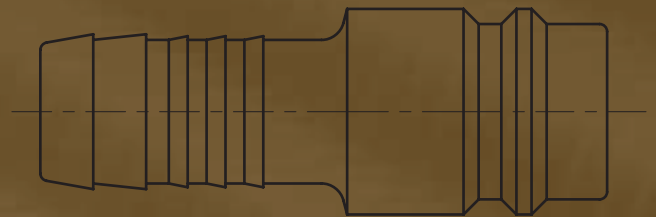




For quick, easy to handle and safe connection of tools or hoses for compressed air and other fluids quick disconnect couplings in different dimensions (according to requirements) are used.

This system consists of coupling and plug, where all connections in one dimensional system are interchangeable. Simple pulling-in of the plug connects, removing of the plug by pulling the coupling sleeve back (with automatic locking of the coupling).

Quick-Disconnect Couplings



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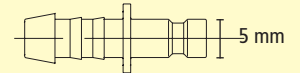
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Micro Quick-Disconnect Couplings DN 2,7

one-way shut-off

New!

- High quality couplings with smallest dimensions of brass nickel plated
- On request also available with red or blue anodised aluminium sleeve
- Multiple applications in pneumatic-, measure-, control- and regulation technique



Plug profile original size

Materials

- Connections, Sleeve, Valve body, Valve: MS 58 nickel plated, ball holder: chemically nickel-plated
- Spring, Retaining ring, Balls: stainless steel
- O-Rings: Perbunan
- Plugs: MS 58 nickel plated



Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	2,7	160 L/min	yes	1-way	air a.o.	Europe	10

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
M 5	9	26	10	5	9	ESMC 5 A
G 1/8"	11	28	10	7	12	ESMC 18 A



Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
M 5	9	26	10	5	10	ESMC 5 I
G 1/8"	12	28	10	7	14	ESMC 18 I



Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
3 mm	35	10	13	9	ESMC 3 T
4 mm	35	10	13	10	ESMC 4 T
5 mm	35	10	13	10	ESMC 5 T

For hose clips type ZOS (© catalogue page 48) or type HS (© catalogue page 49/50)



Couplings with squeeze nut

For Hose	Hexagon	l	d	Weight/pc. g	Type No.
3 x 4	9	33	10	15	ESMC 34 TQ
3 x 5	9	33	10	15	ESMC 3 TQ
4 x 6	9	32	10	15	ESMC 4 TQ

New!



Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	7	18	5	10	3	ESMC 5 NA
G 1/8"	11	20	7	10	6	ESMC 18 NA



Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
M 5	7	17	5	10	3	ESMC 5 NI
G 1/8"	12	19	7	10	6	ESMC 18 NI



Plugs with hose stem

Hose i.D.	l	d	Stem Length	Plug Length	Weight/pc. g	Type No.
3 mm	24	7	13	10	2	ESMC 3 S
4 mm	24	7	13	10	3	ESMC 4 S
5 mm	24	9	13	10	3	ESMC 5 S

For hose clips type ZOS (© catalogue page 48) or type HS (© catalogue page 49/50)



Plugs with squeeze nut

For Hose	Hexagon	l	Plug Length	Weight/pc. g	Type No.
3 x 4	7	25	10	12	ESMC 34 SQ
3 x 5	7	25	10	12	ESMC 3 SQ
4 x 6	7	25	10	12	ESMC 4 SQ

New!



Special executions (© catalogue page 157) on request.

Mini Quick-Disconnect Couplings DN 5

one-way shut-off



- Miniatur Couplings with small dimensions of brass blank or nickel plated
- Other sealing material on request
- Multiple applications in pneumatic, compressed air lines, measure-, control- and regulation technique

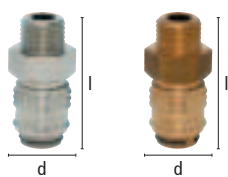
Materials

- Connections, Sleeve, Valve body, Valve: MS 58 resp. M58 nickel-plated
- Spring, Retaining ring, Balls: stainless steel
- O-Rings: Perbunan
- Plugs: MS 58 resp. steel zinc plated and yellow passivated (free of chrome VI)
- Coloured and anodised aluminium sleeves on request

New!

Max. Working Pressure	Temperature	Threads	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	5	560 L/min	yes	1-way	air a.o.	Europe	10

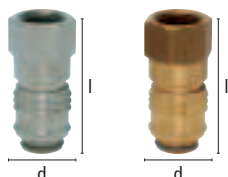
Couplings with male thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
G 1/8"	14	37	17	7	27	ESMN 18 A	ESM 18 A
G 1/4"	17	38	17	9	36	ESMN 14 A	ESM 14 A
G 3/8"	19	38	17	9	43	ESMN 38 A	ESM 38 A
M 10 x 1	14	37	17	7	35	ESMN 101 A	ESM 101 A
M 12 x 1.5	17	39	17	10	37	ESMN 121 A	ESM 121 A
M 14 x 1.5	17	39	17	10	37	ESMN 141 A	ESM 141 A

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

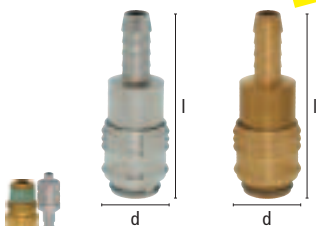
Couplings with female thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
G 1/8"	14	37	17	9	32	ESMN 18 I	ESM 18 I
G 1/4"	17	38	17	9	38	ESMN 14 I	ESM 14 I
G 3/8"	19	47	17	10.5	39	ESMN 38 I	ESM 38 I
M 10 x 1	14	38	17	9	36	ESMN 101 I	ESM 101 I
M 12 x 1.5	17	38	17	9	39	ESMN 121 I	ESM 121 I
M 14 x 1.5	17	38	17	9	37	ESMN 141 I	ESM 141 I

Couplings with hose stem

New!

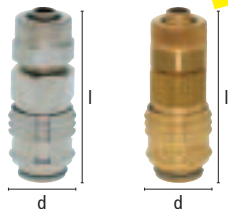


Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No. nickel plated	Type No. MS blank
4 mm	47	17	17	27	ESMN 4 T	ESM 4 T
5 mm	46	17	17	27	ESMN 5 T	ESM 5 T
6 mm	46	17	17	27	ESMN 6 T	ESM 6 T
8 mm	46	17	17	29	ESMN 8 T	ESM 8 T
9 mm	46	17	17	29	ESMN 9 T	ESM 9 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 54)

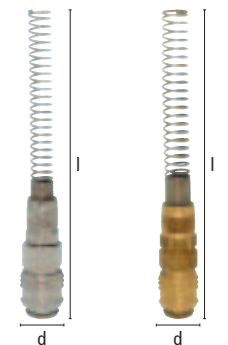
Couplings with squeeze nut, rigid and swivelling

New!



For Hose	Hexagon	l	d	Weight/pc. g	Type No. nickel plated	Type No. MS blank	
3 x 5 mm	14	42	17	rigid	30	ESMN 35 TQ	ESM 35 TQ
4 x 6 mm	14	42	17	rigid	32	ESMN 4 TQ	ESM 4 TQ
4 x 6 mm	14	60	17	swivelling	40	ESMN 4 TQDR	ESM 4 TQDR
6 x 8 mm	14	42	17	rigid	34	ESMN 6 TQ	ESM 6 TQ
6 x 8 mm	14	60	17	swivelling	42	ESMN 6 TQDR	ESM 6 TQDR

Couplings with squeeze nut and spring guard, rigid and swivelling

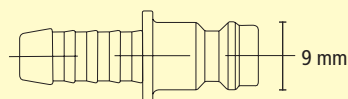


For Hose	Hexagon	l	d	Weight/pc. g	Type No. nickel plated	Type No. MS blank	
3 x 5 mm	14	120	17	rigid	35	ESMN 35 TQF	ESM 35 TQF
4 x 6 mm	14	120	17	rigid	39	ESMN 4 TQF	ESM 4 TQF
4 x 6 mm	14	144	17	swivelling	48	ESMN 4 TQFDR	ESM 4 TQFDR
6 x 8 mm	14	120	17	rigid	44	ESMN 6 TQF	ESM 6 TQF
6 x 8 mm	14	144	17	swivelling	55	ESMN 6 TQFDR	ESM 6 TQFDR

Special executions (☺ catalogue page 157) on request.

New!

Mini Quick-Disconnect Couplings DN 5 one-way shut-off



Plug Profile (original size)

All couplings also available with free passage against a surcharge of Euro 0.80/pc.
Simply add on standard type number the affix -O- (f. e. ESM 6 TO).
Minimum quantity 50 pc/type

Bulkhead couplings

Hose i.D. \ominus Hex.	l	d	Stem Length	Thread	Thread Length	\ominus Hex.	b	Weight/pc. g	Type No.
4 mm	14	60	17	M 10 x 1	14	14	4	40	ESM 4 TSV
6 mm	17	60	17	M 12 x 1	14	17	4	45	ESM 6 TSV
9 mm	17	60	17	M 14 x 1	14	19	4	47	ESM 9 TSV

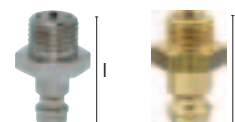
For hose clips type HS (catalogue page 49/50), type ZOS (catalogue page 48)
or crimping sockets type LPH (catalogue page 51)



Plugs with male thread

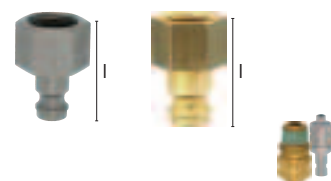
Thread	\ominus Hexagon l	Thread L	Plug L	Material	Weight/pc. g	Type No. nick. plat.	Type No. blank
G 1/8"	13	25	7	MS 58	11	ESMN 18 NA	ESM 18 NA
G 1/4"	17	27.5	9	MS 58	18	ESMN 14 NA	ESM 14 NA
G 3/8"	19	27.5	9	MS 58	21	ESMN 38 NA	ESM 38 NA
M 10 x 1	13	26	8	MS 58	11	ESMN 101 NA	ESM 101 NA
M 12 x 1,5	17	28.5	10	MS 58	18	ESMN 121 NA	ESM 121 NA
M 14 x 1,5	17	28.5	10	MS 58	19	ESMN 141 NA	ESM 141 NA
G 1/8"	13	25	7	steel	10		ESM 18 NAS
G 1/4"	17	27.5	9	steel	16		ESM 14 NAS

Male thread sealing with PVC-packing rings type HPD (catalogue page 23)



Plugs with female thread

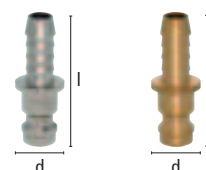
Thread	\ominus Hexagon l	Thread L	Plug L	Material	Weight/pc. g	Type No. nick. plat.	Type No. blank
G 1/8"	13	25	9	MS 58	12	ESMN 18 NI	ESM 18 NI
G 1/4"	17	26	10	MS 58	18	ESMN 14 NI	ESM 14 NI
G 3/8"	19	26.5	10,5	MS 58	22	ESMN 38 NI	ESM 38 NI
M 6	12	22.5	8	MS 58	11	ESMN 6 NI	ESM 6 NI
M 8	12	24	10	MS 58	11	ESMN 8 NI	ESM 8 NI
M 10 x 1	13	22.5	7	MS 58	10	ESMN 101 NI	ESM 101 NI
M 12 x 1,5	17	25	9	MS 58	19	ESMN 121 NI	ESM 121 NI
M 14 x 1,5	17	25	9	MS 58	17	ESMN 141 NI	ESM 141 NI
G 1/8"	13	25	9	steel	11		ESM 18 NIS
G 1/4"	17	26	10	steel	17		ESM 14 NIS



Plugs with hose stem

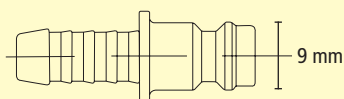
Hose i.D.	l	d	Stem Length	Plug L.	Material	Weight/pc. g	Type No. nick. plat..	Type No. blank
4 mm	32	9	16.5	13.5	MS 58	7	ESMN 4 S	ESM 4 S
5 mm	32	12	16.5	13.5	MS 58	8	ESMN 5 S	ESM 5 S
6 mm	32	12	16.5	13.5	MS 58	8	ESMN 6 S	ESM 6 S
8 mm	32	12	16.5	13.5	MS 58	12	ESMN 8 S	ESM 8 S
9 mm	38	12	23	13.5	MS 58	11	ESMN 9 S	ESM 9 S
4 mm	32	9	16.5	13.5	steel	6		ESM 4 SS
6 mm	32	12	16.5	13.5	steel	7		ESM 6 SS

For hose clips type HS (catalogue page 49/50), type ZOS (catalogue page 48)
or crimping sockets type LPH (catalogue page 51)



Mini Quick-Disconnect Couplings DN 5

one-way shut-off



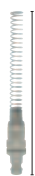
Plug Profile (original size)



New!

Plugs with squeeze nut

for Hose i. D	Stem L.	l	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Type No. blank
3 x 5 mm	12	32	13,5	MS 58	14	ESMN 35 SQ	ESM 35 SQ
4 x 6 mm	12	32	13,5	MS 58	16	ESMN 4 SQ	ESM 4 SQ
6 x 8 mm	14	32	13,5	MS 58	23	ESMN 6 SQ	ESM 6 SQ



New!

Plugs with squeeze nut and spring guard

for Hose	Hex.	l	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Type No. blank
3 x 5 mm	12	110	13,5	MS 58	24	ESMN 35 SQF	ESM 35 SQF
4 x 6 mm	12	110	13,5	MS 58	26	ESMN 4 SQF	ESM 4 SQF
6 x 8 mm	14	110	13,5	MS 58	29	ESMN 6 SQF	ESM 6 SQF



New!

Bulkhead plugs

for Hose i. D	Hex.	l	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
						Hex.	b		
4 mm	14	50	17	M 10 x 1	14	14	4	20	ESM 4 SSV
6 mm	14	50	17	M 12 x 1	14	17	4	25	ESM 6 SSV
9 mm	17	50	17	M 14 x 1	14	19	4	30	ESM 9 SSV

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)



New!

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

Mini-Quick Disconnect Couplings DN 5

with plug and colour codification

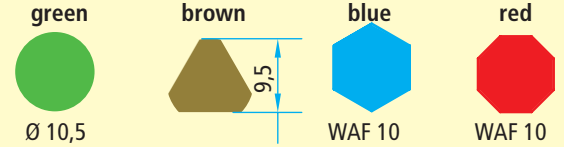
New!

- Mini Quick-Disconnect Couplings of brass MS 58
- For the optical distinction of different medium circulations with coloured and anodised aluminium sleeve on the coupling and coloured and anodised aluminium ring on the plug
- For the absolute avoidance of wrong coupling operations when using different mediums with supplementary plug codification. Only the same-coloured couplings and plugs can be connected.

Materials

- Connections, valve body, valve: brass MS 58
- Sleeve: aluminium anodised
- Springs, retaining rings, balls: stainless steel
- O-Rings: Perbunan, others on request
- Plugs: brass MS 58 with anodised aluminium ring

Plug and colour codification in original size



WAF = width across flat

Max. Working Pressure	Temperature	Thread	DN	Flow Capacity	One Hand	Shut-off	Medium	Area	Ø
PN 35 bar	-20°C – +100°C	ISO 228	5	560 L/min	yes	1-way	divers.	Europe	10

Couplings with male thread

Thread	Hexag.	l	d	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	14	47	16	7	35	ESMK18AG	ESMK18ABR	ESMK18ABL	ESMK18AR
G 1/4"	17	49	16	9	44	ESMK14AG	ESMK14ABR	ESMK14ABL	ESMK14AR

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Couplings with female thread

Thread	Hexag.	l	d	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	14	47	16	7	40	ESMK18IG	ESMK18IBR	ESMK18IBL	ESMK18IR
G 1/4"	17	49	16	9	46	ESMK14IG	ESMK14IBR	ESMK14IBL	ESMK14IR

Couplings with hose stem

Hose i.D.	Hexag.	l	d	Stem L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
6 mm	14	69	16	17	35	ESMK6TG	ESMK6TBR	ESMK6TBL	ESMK6TR
9 mm	14	69	16	17	37	ESMK9TG	ESMK9TBR	ESMK9TBL	ESMK9TR

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Plugs with male thread

Thread	Hexag.	l	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	17	39	7	15	ESMK18NAG	ESMK18NABR	ESMK18NABL	ESMK18NAR
G 1/4"	17	41	9	25	ESMK14NAG	ESMK14NABR	ESMK14NABL	ESMK14NAR

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Plugs with female thread

Thread	Hexag.	l	Thread L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
G 1/8"	17	38	5	15	ESMK18NIG	ESMK18NIBR	ESMK18NIBL	ESMK18NIR
G 1/4"	17	40	7	25	ESMK14NIG	ESMK14NIBR	ESMK14NIBL	ESMK14NIR

Plugs with hose stem

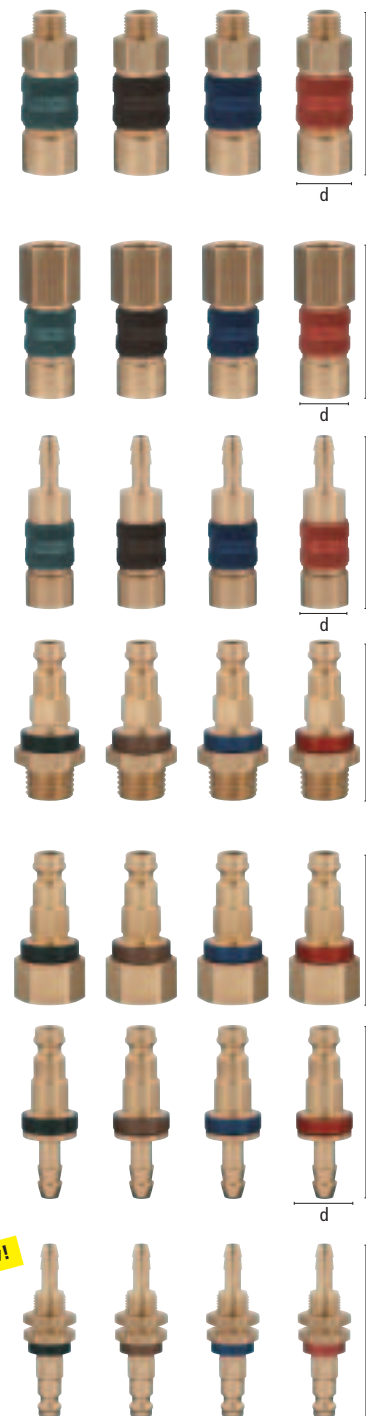
Hose i.D.	l	d	Stem L.	Weight/pc. g	Type No.	Type No.	Type No.	Type No.
6 mm	47	15	17	12	ESMK6SG	ESMK6SBR	ESMK6SBL	ESMK6SR
9 mm	47	15	17	15	ESMK9SG	ESMK9SBR	ESMK9SBL	ESMK9SR

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Bulkhead plugs

Hose i.D.	Hex	l	Stem L.	Thread.	Thread L.	Weight/pc. g	nut	ØSW	b
6 mm	17	63	17	M 12 x 1	14	40	17	4	
					Type No.	Type No.	Type No.	Type No.	
					ESMK6SSVG	ESMK6SSVBR	ESMK6SSVBL	ESMK6SSVR	

Extra charge for coupling's sealing ring of : EPDM
Viton



New!

Mini Quick-Disconnect Couplings DN 5

two-way shut-off

New!

- Mini Quick-Disconnect Couplings of brass MS 58
- 2-way shut-off to avoid the escape of medium when disconnecting. Robust, safe and reliable
- **Attention: Couplings can be connected with non-shut-off plugs DN 5, but shut-off plugs cannot be connected with standard couplings DN 5!**
- Several fields of application, above all for liquid mediums in construction, control technology switchboard cooling etc.

Materials

- Connections, Sleeves, Valve body, Valves, Plugs: brass MS 58
- Spring, Retaining rings, Balls: stainless steel
- O-Rings: Perbunan

Extra charge for sealing rings of: EPDM 0.33 Euro, Viton 0.78 Euro

Max. Working Pressure	Temperature	Thread	DN	Flow Capacity	One-Hand	Shut-Off	Medium	Area	
PN 35 bar	-20°C – +100°C	ISO 228 / DIN 13	5	450 L/min	yes	2-way	divers	Europe	10

Couplings with male thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	37	17	7	27	ESM 18 AAB
G 1/4"	17	38	17	9	36	ESM 14 AAB
G 3/8"	19	38	17	9	43	ESM 38 AAB
M 10 x 1	14	37	17	7	35	ESM 101 AAB
M 12 x 1,5	17	39	17	10	37	ESM 121 AAB
M 14 x 1,5	17	39	17	10	37	ESM 141 AAB

Male thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Couplings with female thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	37	17	9	32	ESM 18 IAB
G 1/4"	17	38	17	9	38	ESM 14 IAB
G 3/8"	19	47	17	10.5	39	ESM 38 IAB
M 10 x 1	14	38	17	9	34	ESM 101 IAB
M 12 x 1,5	17	38	17	9	39	ESM 121 IAB
M 14 x 1,5	17	38	17	9	37	ESM 141 IAB

Couplings with hose stem



Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No.
4 mm	47	17	17	27	ESM 4 TAB
5 mm	46	17	17	27	ESM 5 TAB
6 mm	46	17	17	27	ESM 6 TAB
8 mm	46	17	17	29	ESM 8 TAB
9 mm	46	17	17	29	ESM 9 TAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Couplings with squeeze nut



for hose	Hexagon	l	d	Weight/pc. g	Type No.
4 x 6 mm	14	42	17	32	ESM 4 TQAB
6 x 8 mm	14	42	17	34	ESM 6 TQAB

Couplings with squeeze nut and spring guard



for hose	Hexagon	l	d	Weight/pc. g	Type No.
4 x 6 mm	14	120	17	39	ESM 4 TQFAB
6 x 8 mm	14	120	17	44	ESM 6 TQFAB

Bulkhead Couplings

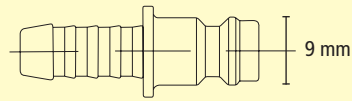


Hose i. D.	Hex.	l	d	Stem length	Thread	Thread length	nut		Weight/pc. g	Type No.
							Hex.	b		
4 mm	14	60	17	17	M 10 x 1	14	14	4	40	ESM 4 TSVAB
6 mm	17	60	17	17	M 12 x 1	14	17	4	45	ESM 6 TSVAB
9 mm	17	60	17	17	M 14 x 1	14	19	4	47	ESM 9 TSVAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51), special executions on request.

Mini Quick-Disconnect Couplings DN 5

2-way shut-off



Plug Profile (original size)

New!

Plugs with male thread

Thread	Hexagon	I	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	40	7	13.5	26	ESM 18 NAAB
G 1/4"	17	42	9	13.5	35	ESM 14 NAAB
G 3/8"	19	42	9	13.5	42	ESM 38 NAAB
M 12 x 1,5	17	44	10	13.5	35	ESM 121 NAAB
M 14 x 1,5	17	44	10	13.5	36	ESM 141 NAAB

Thread sealing with PVC-packing rings type HPD (☺ catalogue page 23)

Plugs with female thread

Thread	Hexagon	I	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	42	9	13.5	28	ESM 18 NIAB
G 1/4"	17	42	10	13.5	38	ESM 14 NIAB
G 3/8"	19	43.5	10.5	13.5	38	ESM 38 NIAB
M 12 x 1,5	17	42	9	13.5	37	ESM 121 NIAB
M 14 x 1,5	17	42	9	13.5	38	ESM 141 NIAB

Plugs with hose stem

For hose	I	d	Stem Length	Plug Length	Weight/pc. g	Type No.
4 mm	50	9	17	13.5	23	ESM 4 SAB
6 mm	50	12	17	13.5	23	ESM 6 SAB
8 mm	50	12	17	13.5	25	ESM 8 SAB
9 mm	50	12	17	13.5	25	ESM 9 SAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Plugs with squeeze nut

For hose	Hexagon	I	Plug Length	Weight/pc. g	Type No.
4 x 6 mm	14	47	13.5	32	ESM 4 SQAB
6 x 8 mm	14	47	13.5	32	ESM 6 SQAB

Plugs with squeeze nut and spring guard

For hose	Hexagon	I	Plug Length	Weight/pc. g	Type No.
4 x 6 mm	14	135	13.5	40	ESM 4 SQFAB
6 x 8 mm	14	135	13.5	42	ESM 6 SQFAB

Bulkhead plugs

Hose i. D.	Hexagon	I	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
						Hex	b		
4 mm	14	64	17	M 10 x 1	14	14	4	45	ESM 4 SSVAB
6 mm	14	64	17	M 12 x 1	14	17	4	45	ESM 6 SSVAB
9 mm	14	64	17	M 12 x 1	14	19	4	45	ESM 9 SSVAB

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)



Standard Quick-Disconnect Couplings DN 7,2

one-way shut-off

- Universal Quick Disconnect Couplings of brass blank or nickel plated
- New stem profile for safe fit of the hose and easy assembly
- Closed Sleeve protects the coupling from dirt
- **Application: For compressed air lines in industry, garages, construction. For water and other fluids**

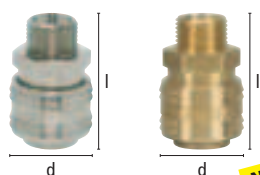
Materials

- Connections, Sleeve, Valve body, Valve: MS 58, resp. MS 58 nickel-plated
- Spring, Retaining rings, Pins: stainless steel
- O-Rings: Perbunan
- Plugs: MS 58 resp. steel zinc plated and yellow passivated (free of chrome VI)

New!

Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	air a.o.	7,2	ISO 228/DIN 2999/DIN 13	1100 L/min	yes	1-way	Eur. Standard	world-wide	10

Couplings with male thread



New!

Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
G 1/8"	22	38	27	7	70	ESN 18 A	ES 18 A
G 1/4"	22	40	27	9	73	ESN 14 A	ES 14 A
G 3/8"	22	41	27	9	76	ESN 38 A	ES 38 A
G 1/2"	24	41	27	10	87	ESN 12 A	ES 12 A
M 14 x 1,5	22	40	27	9	75	ESN 1415 A	ES 1415 A
M 16 x 1,5	22	40	27	9	75	ESN 1615 A	ES 1615 A
M 18 x 1,5	22	40	27	10	78	ESN 1815 A	ES 1815 A

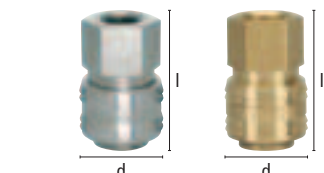
Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Couplings with male thread (tapered), Loctite-laminated



Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
R 1/4"	22	42	27	11	76		ES 14 AB
R 3/8"	22	44	27	12	79		ES 38 AB
G 1/2"	22	45	27	15	96		ES 12 AB

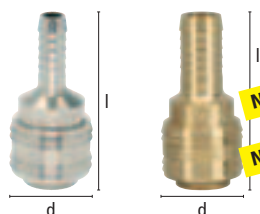
Couplings with female thread



New!

Thread	Hexag.	l	d	Thread Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
G 1/8"	22	39	27	9	90	ESN 18 I	ES 18 I
G 1/4"	22	41	27	10.5	92	ESN 14 I	ES 14 I
G 3/8"	22	41	27	10.5	85	ESN 38 I	ES 38 I
G 1/2"	24	42.5	27	12	87	ESN 12 I	ES 12 I
G 3/4"	32	42.5	34	13	110	ESN 34 I	ES 34 I
M 14 x 1,5	22	41.5	27	11	90	ESN 1415 I	ES 1415 I
M 16 x 1,5	22	41.5	27	11	84	ESN 1615 I	ES 1615 I
M 18 x 1,5	22	41.5	27	12	80	ESN 1815 I	ES 1815 I

Couplings with hose stem



New!

New!

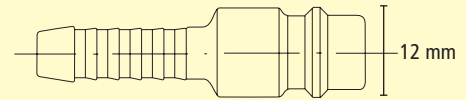
Hose i.D.	l	d	Stem Leng.	Weight/pc g	Type No. nickel plated	Type No. blank
6 mm	55	27	25	64	ESN 6 T	ES 6 T
8 mm	55	27	25	67	ESN 8 T	ES 8 T
9 mm	55	27	25	68	ESN 9 T	ES 9 T
10 mm	58	27	28	70		ES 10 TH*
10 mm	55	27	25	70	ESN 10 T	ES 10 T
13 mm	58	27	28	75		ES 13 TH*
13 mm	55	27	25	75	ESN 13 T	ES 13 T

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48) or crimping sockets type LPH (© catalogue page 51)

*ES10TH and ES13TH for the use of quick-fit hoses (e.g. Parker Push-lock, Gates Lock-on)

Standard Quick-Disconnect Couplings DN 7,2

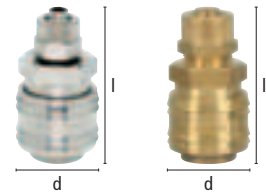
one-way shut-off



Plug profile original size

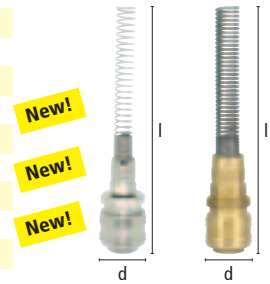
Couplings with squeeze nut

For Hose	Hexagon	l	d	Weight/pc g	Type No. nickel plated	Type No. blank
4 x 6 mm	22	44	27	73	ESN 4 TQ	ES 4 TQ
6 x 8 mm	22	44	27	78	ESN 6 TQ	ES 6 TQ
8 x 10 mm	22	48	27	83	ESN 8 TQ	ES 8 TQ
9 x 12 mm	22	48	27	85	ESN 9 TQ	ES 9 TQ



Couplings with squeeze nut and spring guard

For Hose	Hexagon	l	d	Weight/pc g	Type No. nickel plated	Type No. blank
4 x 6 mm	22	130	27	85	ESN 4 TQF	ES 4 TQF
5 x 8 mm	22	130	27	88		ES 58 TQF
6 x 8 mm	22	130	27	90	ESN 6 TQF	ES 6 TQF
6.5 x 10 mm	22	130	27	95		ES 6510 TQF
8 x 10 mm	22	140	27	120	ESN 8 TQF	ES 8 TQF
8 x 12 mm	22	140	27	130		ES 812 TQF
9 x 12 mm	22	140	27	141	ESN 9 TQF	ES 9 TQF



Bulkhead couplings

Hose i. D.	Hexagon	l	d	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
							Hex	b		
6 mm	22	62	27	17	M 12 x 1	14	17	4		ES 6 TSV
8 mm	22	62	27	17	M 12 x 1	14	17	4		ES 8 TSV
10 mm	22	70	27	25	M 14 x 1	14	19	4		ES 10 TSV

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

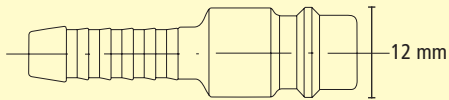
Extra charge for coupling's sealing ring of : **EPDM** Euro
Viton Euro

Special executions (☺ catalogue page 157) on request.

New!



Standard Quick-Disconnect Couplings DN 7,2



Plug profile original size

Plugs with male thread

Thread	Hex. I	Thread L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Typ No. blank
G 1/8"	13 31	7	20	MS 58	17	ESN 18 NA	ES 18 NA
G 1/4"	17 33	9	20	MS 58	21	ESN 14 NA	ES 14 NA
G 3/8"	19 33	9	20	MS 58	26	ESN 38 NA	ES 38 NA
G 1/2"	24 35	10	20	MS 58	41	ESN 12 NA	ES 12 NA
M 14 x 1.5	17 33	9	20	MS 58	26		ES 1415 NA
M 16 x 1.5	19 33	9	20	MS 58	32		ES 1615 NA
M 18 x 1.5	22 34	10	20	MS 58	36		ES 1815 NA
G 1/8"	13 31	7	20	steel	15		ES 18 NAS
G 1/4"	17 33	9	20	steel	19		ES 14 NAS
G 3/8"	19 33	9	20	steel	24		ES 38 NAS
G 1/2"	24 36	10	20	steel	39		ES 12 NAS

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Plugs with female thread

Thread	Hex. I	Thread L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Typ No blank
G 1/8"	13 31	9	20	MS 58	16	ESN 18 NI	ES 18 NI
G 1/4"	17 33	10	20	MS 58	24	ESN 14 NI	ES 14 NI
G 3/8"	19 33	10	20	MS 58	23	ESN 38 NI	ES 38 NI
G 1/2"	24 35	12	20	MS 58	38	ESN 12 NI	ES 12 NI
M 14 x 1.5	17 33	11	20	MS 58	25		ES 1415 NI
M 16 x 1.5	19 33	11	20	MS 58	36		ES 1615 NI
M 18 x 1.5	22 35	12	20	MS 58	43		ES 1815 NI
G 1/8"	13 31	9	20	steel	15		ES 18 NIS
G 1/4"	17 33	10	20	steel	22		ES 14 NIS
G 3/8"	19 33	10	20	steel	21		ES 38 NIS
G 1/2"	24 35	12	20	steel	35		ES 12 NIS

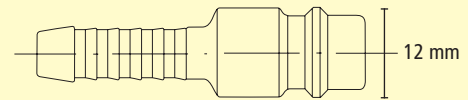
Plugs with hose stem

Hose i.D.	I	d	Stem L.	Plug L.	Material	Weight/pc. g	Type No. nickel plated	Typ No blank
4 mm	44	12	22,5	20	MS 58	10	ESN 4 S	ES 4 S
6 mm	44	12	24	20	MS 58	14	ESN 6 S	ES 6 S
8 mm	44	12	24	20	MS 58	18	ESN 8 S	ES 8 S
9 mm	44	12	24	20	MS 58	17	ESN 9 S	ES 9 S
10 mm	47	12	26	20	MS 58	21		ES 10 SH*
10 mm	44	12	23	20	MS 58	19	ESN 10 S	ES 10 S
13 mm	47	15	26	20	MS 58	26		ES 13 SH*
13 mm	44	15	23	20	MS 58	24	ESN 13 S	ES 13 S
6 mm	44	12	24	20	steel	13		ES 6 SS
8 mm	44	12	24	20	steel	18		ES 8 SS
9 mm	44	12	24	20	steel	16		ES 9 SS
13 mm	44	15	23	20	steel	26		ES 13 SS

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48) or crimping sockets type LPH (© catalogue page 51)

*ES10TH and ES13TH for the use of quick-fit hoses (e.g. Parker Push-lock, Gates Lock-on)

Standard Quick-Disconnect Couplings DN 7,2



Plug profile original size

Plugs with squeeze nut

For Hose	Hexagon	l	Plug L.	Material	Weight/pc. g	Typ No nickel plated.	Typ No blank
4 x 6 mm	-	34	20	MS 58	18	ESN 4 SQ	ES 4 SQ
6 x 8 mm	-	34	20	MS 58	19	ESN 6 SQ	ES 6 SQ
8 x 10 mm	17	43	20	MS 58	38	ESN 8 SQ	ES 8 SQ
9 x 12 mm	17	43	20	MS 58	36	ESN 9 SQ	ES 9 SQ

Plugs with squeeze nut and spring guard

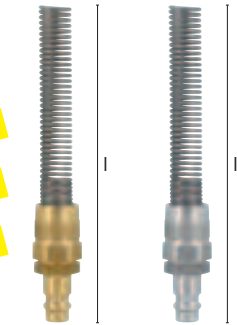
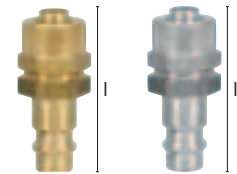
For Hose	Hexagon	l	Plug L.	Material	Weight/pc. g	Typ No nickel plated.	Typ No blank
4 x 6 mm	-	115	20	MS 58	30	ESN 4 SQF	ES 4 SQF
5 x 8 mm	17	115	20	MS 58	34		ES 58 SQF
6 x 8 mm	-	115	20	MS 58	37	ESN 6 SQF	ES 6 SQF
6.5 x 10 mm	17	115	20	MS 58	48		ES 6510 SQF
8 x 10 mm	17	132	20	MS 58	83	ESN 8 SQF	ES 8 SQF
8 x 12 mm	17	132	20	MS 58	84		ES 812 SQF
9 x 12 mm	17	132	20	MS 58	86	ESN 9 SQF	ES 9 SQF

Bulkhead plugs

Hose i. D.	Hexagon	l	d	Stem Length	Thread	Thread Length	nut		Weight/pc. g	Type No.
							Hex	b		
6 mm	14	56	17	17	M 12 x 1	14	17	4	30	ES 6 SSV
8 mm	17	56	17	17	M 12 x 1	14	17	4	35	ES 8 SSV
10 mm	17	56	17	17	M 14 x 1	14	19	4	42	ES 10 SSV

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48) or crimping sockets type LPH (© catalogue page 51)

Special executions on request.

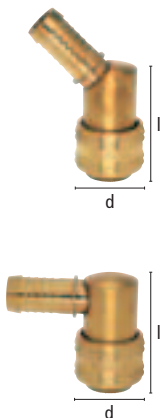


New!

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

Standard Quick-Disconnect Couplings DN 7,2

with angle hose stem, one-way shut-off



Couplings with hose stem 45°

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	44	27	27	100	ES 6 T-45
9 mm	44	27	27	100	ES 9 T-45
13 mm	44	27	30	110	ES 13 T-45

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Couplings with hose stem 90°

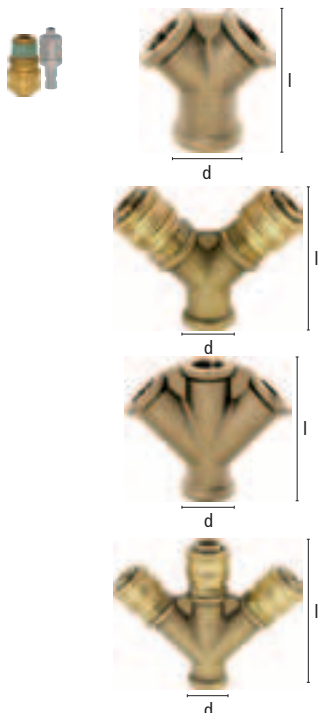
Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	44	27	26	105	ES 6 T-90
9 mm	44	27	26	105	ES 9 T-90
13 mm	44	27	28	115	ES 13 T-90

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Angle-Thread Couplings available on request.

Distributors for Quick-Disconnect Couplings

of brass MS 58, for compressed air distribution on central places



3-Way-Distributors with female thread

Thread	DN	l	d	Weight/pc. g	☺	Type No.
3 x G 3/8"	15	46	26	93	5	DWS 38
3 x G 1/2"	19	50	27.5	100	5	DWS 12

3-Way-Distributors with quick disconnect couplings DN 7,2 assembled

Inlet	Outlet	DN	l	d	Weight/pc. g	☺	Type No.
G 3/8" female	2 x ES 38 A	7.2	67	26	241	1	DWS 38 ES
G 1/2" female	2 x ES 12 A	7.2	69	27.5	275	1	DWS 12 ES

4-Way-Distributors with female thread

Thread	DN	l	d	Weight/pc. g	☺	Type No.
4 x G 3/8"	15	61	26	191	5	VWS 38
4 x G 1/2"	19	59.5	27.5	170	5	VWS 12

4-Way-Distributors with quick disconnect couplings DN 7,2 assembled

Inlet	Outlet	DN	l	d	Weight/pc. g	☺	Type No.
G 3/8" female	3 x ES 38 A	7.2	92	26	417	1	VWS 38 ES
G 1/2" female	3 x ES 12 A	7.2	91	27.5	435	1	VWS 12 ES

Standard Quick-Disconnect Couplings DN 7,2

with free passage (without valve)

- To be coupled with standard plugs DN 7,2 (☹ catalogue page 138/139)
- 2-way free passage for optimum flow capacity, particularly for the application of water or other liquids

New!

Max. Working Pressure	Temperature	Medium	DN	Thread	Flow Capacity	One-Hand	Shut-Off	Norm	Area	☹
PN 35 bar	-20°C – +100°C	liquids	7,2	ISO 228	1500 L/min	yes	no	Eur.Standard	world-wide	10

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. blank
G 1/4"	22	40	27	9	73	ESN 14 AO	ES 14 AO
G 3/8"	22	41	27	9	76	ESN 38 AO	ES 38 AO
G 1/2"	24	41	27	10	87	ESN 12 AO	ES 12 AO

Male thread sealing with PVC-packing rings type HPD (☹ catalogue page 23)

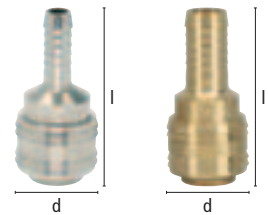
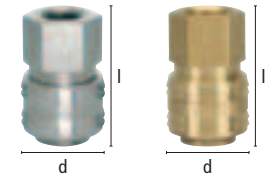
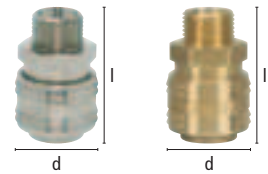
Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No. nickel plated	Type No. blank
G 1/4"	22	41	27	10,5	92	ESN 14 IO	ES 14 IO
G 3/8"	22	41	27	10,5	85	ESN 38 IO	ES 38 IO
G 1/2"	24	42,5	27	12	87	ESN 12 IO	ES 12 IO

Couplings with hose stem

Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No. nickel plated	Type No. blank
6 mm	55	27	25	64	ESN 6 TO	ES 6 TO
9 mm	55	27	25	68	ESN 9 TO	ES 9 TO
13 mm	55	27	25	75	ESN 13 TO	ES 13 TO

For hose clips type HS (☹ catalogue page 49/50), type ZOS (☹ catalogue page 48) or crimping sockets type LPH (☹ catalogue page 51)



Standard Quick-Disconnect Couplings DN 7,2

2-way shut off

New!

- Universal Quick-Disconnect Couplings of brass MS 58
- 2-way shut-off to avoid the escape of medium when disconnecting. Robust, safe and reliable
- **Attention: Couplings can be connected with non-shut-off plugs DN 7,2, but shut-off plugs cannot be connected with standard couplings DN 7,2!**
- Several fields of application, above all for liquid mediums in construction, control technology, switchboard cooling etc

Materials

- Connections, Sleeve, Valve body, Valve, Plugs: brass MS 58
- Springs, Retaining rings, Pins: stainless steel
- O-Rings: Perbunan

Extra charge for sealing rings of: EPDM 0.33 Euro, Viton 0.78 Euro

Max. Working Pressure	Temperature	Medium	DN	Thread	Norm	Fl. capacity	One-Hand	Shut-off	Area	
PN 35 bar	-20°C – +100°C	divers	7,2	ISO228 / DIN 13	EU Standard	800 L/min	yes	2-way	worldwide	10

Couplings with male Thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	40	27	9	73	ES 14 AAB
G 3/8"	22	41	27	9	76	ES 38 AAB
G 1/2"	24	41	27	10	87	ES 12 AAB
M 16 x 1,5	22	40	27	9	78	ES 1615 AAB
M 18 x 1,5	22	41	27	10	82	ES 1815 AAB

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Couplings with female Thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	41	27	10.5	92	ES 14 IAB
G 3/8"	22	41	27	10.5	85	ES 38 IAB
G 1/2"	24	42.5	27	12	87	ES 12 IAB
M 16 x 1,5	22	41.5	27	11	85	ES 1615 IAB
M 18 x 1,5	22	42.5	27	12	86	ES 1815 IAB

Couplings with hose stem



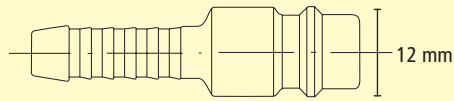
Hose i. D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	55	27	25	64	ES 6 TAB
9 mm	55	27	25	98	ES 9 TAB
13 mm	55	27	25	75	ES 13 TAB

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)

Standard Quick-Disconnect Couplings DN 7,2

2-way shut-off



Plug profile original size

New!

Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	22	43	9	20	45	ES 14 NAAB
G 3/8"	22	44	10	20	48	ES 38 NAAB
G 1/2"	24	44	10	20	60	ES 12 NAAB
M 16 x 1.5	22	43	9	20	46	ES 1615 NAAB
M 18 x 1.5	22	44	10	20	47	ES 1815 NAAB

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Plugs with female thread

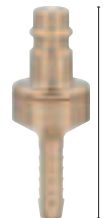
Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	22	44	10.5	20	64	ES 14 NIAB
G 3/8"	22	44	10.5	20	57	ES 38 NIAB
G 1/2"	24	44.5	12	20	62	ES 12 NIAB
M 16 x 1.5	22	43.5	11	20	60	ES 1615 NIAB
M 18 x 1.5	22	44.5	12	20	60	ES 1815 NIAB



Plugs with hose stem

Hose i. D.	Hexagon	l	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	22	58	25	20	34	ES 6 SAB
9 mm	22	58	25	20	38	ES 9 SAB
13 mm	24	58	25	20	44	ES 13 SAB

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)



Further dimensions on request!

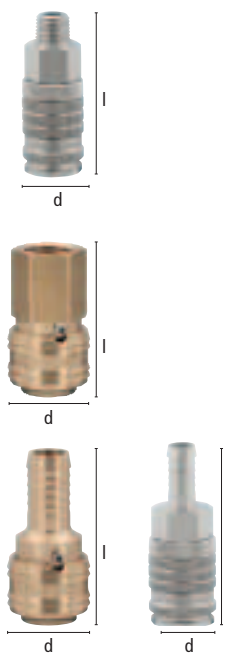


Quick-Disconnect Couplings DN 7,2 and DN 7,8

with disconnect protection, one-way shut-off

New!

- Simple and effective protection against accidental disconnection by swivelling the sleeve for DN 7,2 and screwing a lock nut for DN 7,8
- Disconnecting is only possible when the locking pin exactly snaps in the sleeve's cutout for DN 7,2 or by opening the lock nut for DN 7,8
- To be coupled with standard plugs DN 7,2 (☉ catalogue page 138 / 139) and DN 7,8 (☉ catalogue page 145)
- For the application of compressed air or liquid mediums, e.g. for drane clean-up and renovation



Max. Working Pressure	Temperature	Medium	DN	Thread	Flow Capacity	One-Hand	Shut-Off	Norm	Area	☉
PN 35 bar	-20°C – +100°C	air etc.	7,2+7,8	ISO 228/DIN ISO 2999	1100/1800 L/min	yes	1-way	Eur.Standard	world-wide	10/5

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	DN	Weight/pc. g	☉	Type No.
G 1/4"	22	40	27	9	7,2	73	10	ES 14 AS
R 1/4"	19	60	23	11	7,8	98	5	ESI 14 AM

Couplings with female thread

Thread	Hexagon	l	d	Thread Length	DN	Weight/pc. g	☉	Type No.
G 1/4"	22	40	27	9	7,2	94	10	ES 14 IS

Couplings with hose stem

Hose i. D	Hexagon	l	d	Stem Length	DN	Weight/pc. g	☉	Type No.
9 mm	19	73	23	25	7,8	98	5	ESI 9 TM
13 mm	without	55	27	25	7,2	77	10	ES 13 TS

For hose clips type HS (☉ catalogue page 49/50), type ZOS (☉ catalogue page 48) or crimping sockets type LPH (☉ catalogue page 51)
Special executions on request.

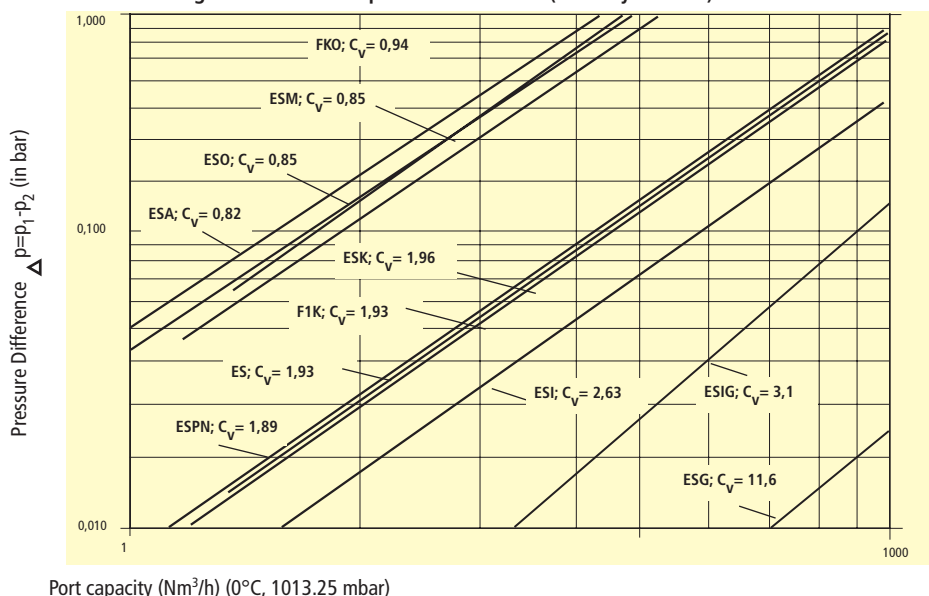
Flow-Capacity Diagram

LUDECKE Quick-Disconnect Couplings

one-way shut-off



Performance Diagram: Medium Compressed Air at 6 bar (one way shut-off)



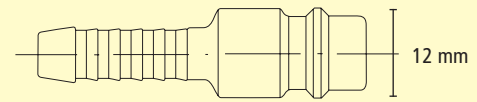
Industry Universal Quick-Disconnect Couplings DN 7,8

New Execution!

- High quality, extreme robust couplings with optimum sealing
- High flow capacity at low pressure drop because of stream favourable valve
- Special executions (☺ catalogue page 157) on request
- For compressed air lines in industry or garages, especially recommended directly at compressed air tools
- Universal principle – also interchangeable with plug profile ESA DN 5, ESO DN 5,5, ES DN7,2, ESPN DN 7,4 a.o.

Materials

- Connections, Valve body: MS 58 nickel plated
- Sleeve: Hardened steel nickel plated
- O-Rings: Perbunan
- Springs, Retaining ring, balls: stainless steel
- Plugs: Hardened steel nickel plated



Plug profile original size

Max. Work. Pressure	Temperature	Medium	DN	Threads	Norm	Flow Capacity	One-Hand	Shut-Off	Area	☺
PN 35 bar	-20°C – +100°C	compr. air	7,8	ISO228 / DIN2999	EU Standard	1800 L/min	yes	1-way	Europe	Coupl. 5 / Plug 10

Couplings with male thread tapered

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
R 1/4"	19	60	23	11	98	ESI 14 A
R 3/8"	19	61	23	12	97	ESI 38 A
R 1/2"	22	64	23	15	114	ESI 12 A



Couplings with female thread parallel

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	19	56	23	10	99	ESI 14 I
G 3/8"	19	56	23	10	92	ESI 38 I
G 1/2"	24	58	23	12	125	ESI 12 I



Couplings with hose stem

Hose i.D.	Hexagon	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	19	73	23	25	95	ESI 6 T
8 mm	19	73	23	25	97	ESI 8 T
9 mm	19	73	23	25	98	ESI 9 T
10 mm	19	73	23	25	97	ESI 10 T
13 mm	19	73	23	25	101	ESI 13 T



For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Plugs with male thread parallel

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	33	9	20	14	ESI 18 NAS
G 1/4"	14	35	11	20	18	ESI 14 NAS
G 3/8"	17	36	12	20	23	ESI 38 NAS
G 1/2"	22	40	15	20	47	ESI 12 NAS



Plugs with female thread parallel

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	32	9	20	16	ESI 18 NIS
G 1/4"	17	33	10	20	24	ESI 14 NIS
G 3/8"	19	33	10	20	25	ESI 38 NIS
G 1/2"	24	35	12	20	40	ESI 12 NIS



Plugs with hose stem

Hose i.D.	d	l	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	12	44	24	20	13	ESI 6 SS
8 mm	12	44	24	20	18	ESI 8 SS
9 mm	12	44	24	20	16	ESI 9 SS
10 mm	12	44	24	20	18	ESI 10 SS
13 mm	15	44	23	20	26	ESI 13 SS



For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Safety Air-Relief Couplings DN 7,4

with push-the-button-principle

New!

- Automatic Disconnection in relation to rest pressure guarantees absolute safety
- High quality, robust Quick Disconnect Couplings with optimum sealing
- New locking-system, extremely easy to connect and disconnect (only 1 button push necessary)
- Lightweight because of plastic compound material – no scratching of sensitive surfaces
- Safety-air relief function: air relief with 1 button-push, automatic safe disconnection of the coupling without pressure.
- Connecting similar to all standard quick disconnect couplings
- Interchangeable with the "Euro-Profile" DN 7,2 resp. DN 7,8
- **To avoid safe the "whip lash-effect" with easy operation**

- Materials**
- Connections: steel zinc plated
 - Seals: O-Ring Nitril
 - Complete housing: plastic compound material
 - Balls, Pins: stainless steel

Max. Work. Pressure	Temperature	Medium	DN	Threads	Norm	Flow Capacity One-Hand	shut-off	Area		
PN 12 bar	-15°C – +70°C	compr. air	7,4	ISO 228	ISO 4414	1750 L/min.	yes	1-way	Europe	Coupl. 1 / Plug 10



Couplings with male thread (laminated)

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	23	82	32	15	127	ESPN 14 A
G 3/8"	23	83	32	15	130	ESPN 38 A
G 1/2"	23	85	32	15	135	ESPN 12 A



Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	23	74	32	12	124	ESPN 14 I
G 3/8"	23	74	32	12	116	ESPN 38 I
G 1/2"	23	81	32	12	125	ESPN 12 I

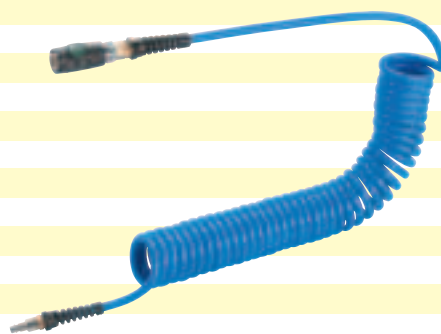


Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	88	32	22	87	ESPN 6 T
8 mm	88	32	22	85	ESPN 8 T
9 mm	88	32	22	85	ESPN 9 T
10 mm	88	32	22	85	ESPN 10 T
13 mm	92	32	27	91	ESPN 13 T

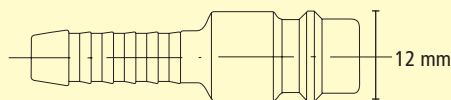
For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Suitable Plug series ESI DN 7,8 resp. ES DN 7,2 (☺ catalogue page 145, 138 / 139)



Meet all requirements of

- ISO 4414
- DIN EN 983
- BIA



Plug profiles ES + ESI (original size)

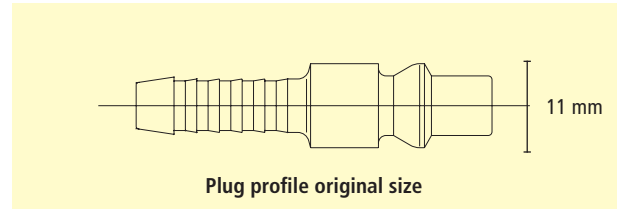
Quick-Disconnect Couplings DN 5,5 ARO

one-way shut-off

- New sleeve profile, closed sleeve protects the couplings from dirt
- New stem profile for safe fit of the hose and easy assembly
- For compressed air lines in industry, construction, garages ...

Materials

- Connections, Sleeve, Valve body, Valve: MS 58
- Springs, Retaining ring, pins: stainless steel
- Seals: Perbunan
- Plugs: MS 58



Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	compr. air	5,5	ISO 228	yes	1-way	ARO 210	Benelux, Suisse	10

Couplings with male thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	42	27	9	85	ESO 14 A
G 3/8"	22	43	27	10	90	ESO 38 A
G 1/2"	24	43	27	10	105	ESO 12 A

Male thread sealing with PVC-packing rings type HPD (☉ catalogue page 23)

New!



Couplings with female thread

Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	43	27	10.5	104	ESO 14 I
G 3/8"	22	43	27	10.5	108	ESO 38 I
G 1/2"	24	44.5	27	12	120	ESO 12 I

New!



Couplings with hose stem

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	57	27	25	77	ESO 6 T
8 mm	57	27	25	80	ESO 8 T
9 mm	57	27	25	82	ESO 9 T
10 mm	57	27	25	85	ESO 10 T

For hose clips type HS (☉ catalogue page 49/50), type ZOS (☉ catalogue page 48) or crimping sockets type LPH (☉ catalogue page 51)

New!

New!



Plugs with male thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/8"	13	33	6	22	16	ESO 18 NA
G 1/4"	17	35	8	22	21	ESO 14 NA
G 3/8"	19	35	8	22	26	ESO 38 NA

Male thread sealing with PVC-packing rings type HPD (☉ catalogue page 23)



Plugs with female thread

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 1/4"	17	34	9	22	23	ESO 14 NI
G 3/8"	19	34	9	22	23	ESO 38 NI



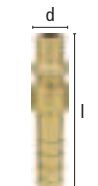
Plugs with hose stem

Hose i.D.	l	d	Stem Length	Plug Length	Weight/pc. g	Type No.
6 mm	47	11	22	22	14	ESO 6 S
8 mm	47	11	22	22	15	ESO 8 S
9 mm	47	11	22	22	16	ESO 9 S
10 mm	47	11	22	22	18	ESO 10 S

For hose clips type HS (☉ catalogue page 49/50), type ZOS (☉ catalogue page 48) or crimping sockets type LPH (☉ catalogue page 51)

New!

New!



Special executions (☉ catalogue page 157) on request.

Quick-Disconnect Couplings DN 5- US-Industrial Interchange Design one-way shut-off

- Closed sleeve protects the coupling from dirt
- New stem profile for safe fit of the hose and easy assembly
- For compressed air lines in industry, construction, garages...

Materials

- Connections, Sleeve, Valve body, Valve: MS 58
- Springs, Retaining ring, Pins: stainless steel
- Seals: Perbunan
- Plugs: MS 58 or steel zinc plated and yellow passivated (free of chrome VI)

New!

Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Norm	Area	
PN 35 bar	-20°C – +100°C	compr. air	5	ISO 228 / NPT	yes	1-way	1	USA, partly Europe	10

Couplings with male thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	40	27	9	75	ESA 14 AR
G 3/8"	22	41	27	10	78	ESA 38 AR
G 1/2"	24	41	27	10	88	ESA 12 AR
1/4" NPT	22	45	27	13.5	81	ESA 14 A
3/8" NPT	22	46	27	14.5	84	ESA 38 A
1/2" NPT	22	50	27	18	105	ESA 12 A

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (☺ catalogue page 23)

Couplings with female thread



Thread	Hexagon	l	d	Thread Length	Weight/pc. g	Type No.
G 1/4"	22	41	27	10.5	93	ESA 14 IR
G 3/8"	22	41	27	10.5	89	ESA 38 IR
G 1/2"	24	41	27	10.5	91	ESA 12 IR
1/4" NPT	22	43.5	27	13.5	101	ESA 14 I
3/8" NPT	22	45	27	14.5	96	ESA 38 I
1/2" NPT	24	48	27	18	103	ESA 12 I

Couplings with hose stem



New!

Hose i.D.	l	d	Stem Length	Weight/pc. g	Type No.
6 mm	55	27	25	66	ESA 6 T
8 mm	55	27	25	68	ESA 8 T
9 mm	55	27	25	70	ESA 9 T
13 mm	55	27	25	76	ESA 13 T

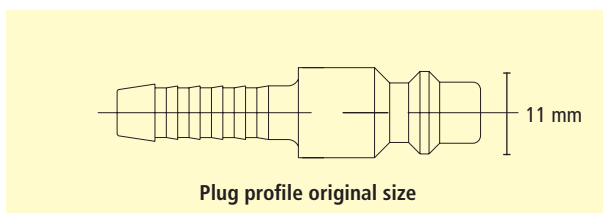
For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Meet the Standards:

- 1 US-Mil.-Spec. C4109
- ISO 6150

Quick Disconnect Couplings DN 5- US-Industrial Interchange Design

one-way shut-off



Plugs with male thread

Thread	Hexagon	l	Thread Length.	Plug Length.	Material	Weight/pc. g	Type No.
G 1/8"	13	35	7	24	MS 58	19	ESA 18 NAR
G 1/4"	17	37	9	24	MS 58	23	ESA 14 NAR
G 3/8"	19	38	9	24	MS 58	31	ESA 38 NAR
1/8" NPT	13	38	9.5	24	MS 58	23	ESA 18 NA
1/4" NPT	14	41	13	24	MS 58	25	ESA 14 NA
3/8" NPT	17	42	13	24	MS 58	31	ESA 38 NA
1/4" NPT	14	41	13	24	steel	22	ESA 14 NAS

Male thread sealing for ISO 228 threads with PVC-packing rings type HPD (© catalogue page 23)



Plugs with female thread

Thread	Hexagon	l	Thread Length.	Plug Length.	Material	Weight/pc. g	Type No.
G 1/8"	13	35	9	24	MS 58	18	ESA 18 NIR
G 1/4"	17	38	12	24	MS 58	27	ESA 14 NIR
G 3/8"	19	39	12	24	MS 58	26	ESA 38 NIR
1/8" NPT	13	35	10	24	MS 58	20	ESA 18 NI
1/4" NPT	17	40	14	24	MS 58	29	ESA 14 NI
3/8" NPT	21	42	15	24	MS 58	40	ESA 38 NI
1/4" NPT	17	40	14	24	steel	27	ESA 14 NIS



Plugs with hose stem

Hose i.D.	l	Stem Length.	Plug Length.	Material	Weight/pc. g	Type No.
6 mm	49	25	24	MS 58	17	ESA 6 S
9 mm	48	24	24	MS 58	21	ESA 9 S
13 mm	48	23	24	MS 58	29	ESA 13 S
6 mm	49	25	24	steel	16	ESA 6 SS
9 mm	48	24	24	steel	19	ESA 9 SS
13 mm	48	23	24	steel	26	ESA 13 SS

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)



Special executions (© catalogue page 157) on request.

Quick-Disconnect Couplings DN 7,5 Nitto

one-way shut-off

- Universal Quick Disconnect Coupling, mainly used in the asian market, interchangeable with type Nitto Kohki, but with one-hand operation.
- For compressed air lines in industry or garages

Materials

- Connections, Valve body, Valve: MS 58
- Sleeve: MS 58 nickel plated
- Spring, Retaining ring, Pins: Stainless Steel
- O-Rings: Perbunan (Buna N)
- Plugs: steel, hardened and nickel plated

Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	
PN 35 bar	-20°C – +100°C	compr. air	7,5	ISO228 / DIN2999	1400 L/min	yes	1-way	Asia	10

Couplings with male thread (tapered), Loctite-laminated



Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
R 1/4"	22	46.5	11	27	81	ESK 14 AB
R 3/8"	22	47.5	12	27	84	ESK 38 AB
R 1/2"	22	50.5	15	27	100	ESK 12 AB

Couplings with female thread



Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 1/4"	22	45.5	10.5	27	96	ESK 14 I
G 3/8"	22	45.5	10.5	27	90	ESK 38 I
G 1/2"	24	47	12	27	90	ESK 12 I

Couplings with hose stem

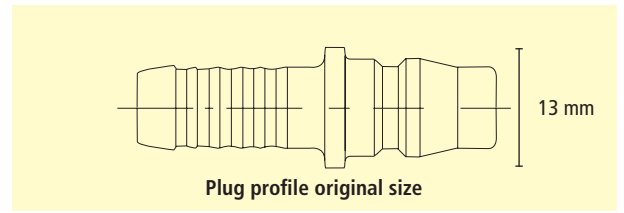


Hose i.D.	l	Stem Length	d	Weight/pc. g	Type No.
6 mm	59.5	25	27	69	ESK 6 T
8 mm	59.5	25	27	73	ESK 8 T
10 mm	59.5	25	27	75	ESK 10 T
13 mm	59.5	25	27	80	ESK 13 T

For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)

Quick-Disconnect Couplings DN 7,5 Nitto

one-way shut-off



Plugs with male thread, hardened and nickel plated steel

Thread	Hexagon	l	Thread Length	Plug Length Weight/pc. g		Type No.
R 1/4"	14	37	11	20.2	20	ESK 14 NAS
R 3/8"	17	38	12	20.2	28	ESK 38 NAS
R 1/2"	22	41	15	20.2	46	ESK 12 NAS



Plugs with female thread, hardened and nickel plated steel

Thread	Hexagon	l	Thread Length	Plug Length Weight/pc. g		Type No.
G 1/4"	17	34	10.5	20.2	25	ESK 14 NIS
G 3/8"	19	34	10.5	20.2	25	ESK 38 NIS
G 1/2"	24	36	12	20.2	38	ESK 12 NIS



Plugs with hose stem, hardened and nickel plated steel

Hose i.D.	l	Stem Length	Plug Length Weight/pc. g		Type No.
6 mm	48	25	20.2	15	ESK 6 SS
8 mm	48	25	20.2	21	ESK 8 SS
10 mm	48	25	20.2	24	ESK 10 SS
13 mm	48	25	20.2	30	ESK 13 SS



For hose clips type HS (© catalogue page 49/50), type ZOS (© catalogue page 48)
or crimping sockets type LPH (© catalogue page 51)



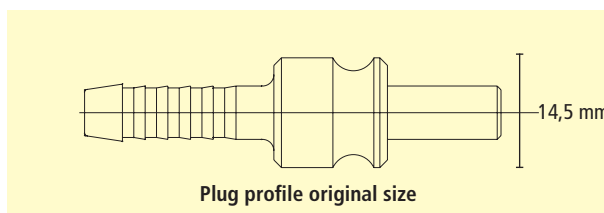
Quick-Disconnect Couplings DN 5

of steel, one-way shut-off

- Extreme robust couplings for hardest working conditions, f. e. in foundries

Materials

- Connections, Sleeve, Valve body: steel zinc plated and yellow passivated (free of chrome VI)
- Spring, Retaining ring, Pins: stainless steel
- Valve: MS 58
- Seals: Perbunan
- Plugs: steel zinc plated and yellow passivated (free of chrome VI)



New!

Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Area	Material	⊕
PN 35 bar	-20°C – +100°C	compr. air	5	ISO 228	no	1-way	Germany	steel	10



Couplings with male thread

Thread	Hexagon	l	d	Weight/pc. g	Type No.
G 1/4"	17	60	27.5	107	FKO 14
G 3/8"	19	60	27.5	113	FKO 38

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with male thread

Thread	Hexagon	l	Weight/pc. g	Type No.
G 1/4"	17	46	33	FKO 14 G
G 3/8"	19	46	42	FKO 38 G

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with hose stem

Hose i.D.	l	d	Weight/pc. g	Type No.
6 mm	55	14.5	21	FKO 6 S
9 mm	55	14.5	24	FKO 9 S

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48) or crimping sockets type LPH (⊕ catalogue page 51)



Quick-Disconnect Couplings DN 8

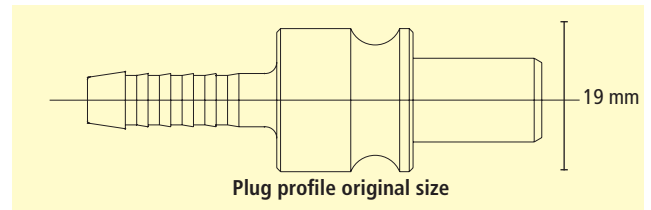
of steel, one-way shut-off

- Extreme robust couplings for hardest working conditions
f. e. in foundries

Materials

- Connections, Sleeve, Valve body: steel zinc plated and yellow passivated (free of chrome VI)
- Spring, Balls: stainless steel
- Valve: MS 58
- Seals: Perbunan
- Plugs: steel zinc plated and yellow passivated (free of chrome VI)

New!



Max. Work. Pressure	Temperature	Medium	DN	Threads	One-Hand	Shut-Off	Area	Material	⊕
PN 35 bar	-20°C – +100°C	compr. air	8	ISO 228	no	1-way	Germany	steel	10

Couplings with male thread

Thread	⊕Hexagon	l	d	Weight/pc. g	Type No.
G 3/8"	24	67	37	240	F 1 K
G 1/2"	24	67	37	245	F 12 K

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with male thread

Thread	⊕Hexagon	l	Weight/pc. g	Type No.
G 3/8"	19	51	54	F 1 K 38 G

Male thread sealing with PVC-packing rings type HPD (⊕ catalogue page 23)



Plugs with female thread

Thread	⊕Hexagon	l	Weight/pc. g	Type No.
G 1/4"	19	51	60	F 1 K 14 GI
G 3/8"	22	51	69	F 1 K 38 GI



Plugs with hose stem

Hose i.D.	l	d	Weight/pc. g	Type No.
6 mm	60	19	39	F 1 K 6 S
9 mm	60	19	39	F 1 K 9 S
11 mm	60	19	43	F 1 K 11 S
13 mm	60	19	45	F 1 K 13 S

For hose clips type HS (⊕ catalogue page 49/50), type ZOS (⊕ catalogue page 48)
or crimping sockets type LPH (⊕ catalogue page 51)



Special executions (⊕ catalogue page 157) on request.

Industry Quick-Disconnect Couplings DN 10

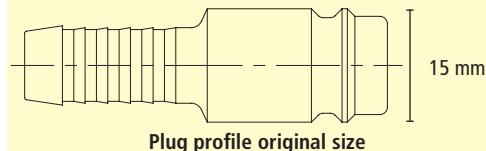
one-way shut-off

New!

- High-quality, extreme robust Quick-Disconnect Couplings with optimum sealing
- Extremely high flow rate at a low pressure drop rate because of big passage and streamlined valve
- Special executions on request (☺ catalogue page 157)
- For the supply of compressed air in industry and handcraft at extraction points with extremely high need of compressed air for high-performance tools as well as in engineering and construction

Materials

- Connections, Valve body, Valve: MS 58 nickel plated
- Sleeve: steel, hardened and nickel plated
- Springs, Retaining rings, balls: Stainless Steel
- O-Rings: Perbunan
- Plugs: steel, hardened and nickel plated



Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	☺
PN 35 bar	-20°C – +100°C	compr. air	10	ISO228 / DIN2999	2600 L/min	yes	1-way	Europe	coup5/plugs10

Couplings with tapered male thread

Thread	Hexagon	l	Thread Length	d	☺	Weight/pc. g	Type No.
R 3/8"	24	63	12	27	5	143	ESIG 38 A
R 1/2"	24	65	17	27	5	147	ESIG 12 A
R 3/4"	27	65	17	27	5	155	ESIG 34 A

Couplings with parallel female thread

Thread	Hexagon	l	Thread Length	d	☺	Weight/pc. g	Type No.
G 3/8"	24	56	11	27	5	145	ESIG 38 I
G 1/2"	24	56	12	27	5	135	ESIG 12 I
G 3/4"	32	60	16	27	5	200	ESIG 34 I

Couplings with hose stem

Hose i.D.	Hexagon	l	Stem Length	d	☺	Weight/pc. g	Type No.
9 mm	24	76	25	27	5	150	ESIG 9 T
10 mm	24	76	25	27	5	150	ESIG 10 T
13 mm	24	76	25	27	5	152	ESIG 13 T
16 mm	24	76	25	27	5	152	ESIG 16 T
19 mm	24	76	25	27	5	160	ESIG 19 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)

Plugs with tapered male thread

Thread	Hexagon	l	Thread Length	Plug Length	☺	Weight/pc. g	Type No.
R 1/4"	17	40	12	21	10	30	ESIG 14 NAS
R 3/8"	17	40	12	21	10	32	ESIG 38 NAS
R 1/2"	22	45	17	21	10	35	ESIG 12 NAS
R 3/4"	27	48	19	21	10	37	ESIG 34 NAS

Plugs with parallel female thread

Thread	Hexagon	l	Thread Length	Plug Length	☺	Weight/pc. g	Type No.
G 1/4"	17	34	10	21	10	36	ESIG 14 NIS
G 3/8"	19	36	12	21	10	42	ESIG 38 NIS
G 1/2"	24	37	12	21	10	41	ESIG 12 NIS
G 3/4"	32	42	16	21	10	43	ESIG 34 NIS

Plugs with hose stem

Hose i.D.	l	Stem Length	d	Plug Length	☺	Weight/pc. g	Type No.
9 mm	48	25	15	21	10	24	ESIG 9 SS
10 mm	48	25	15	21	10	24	ESIG 10 SS
13 mm	48	25	15	21	10	28	ESIG 13 SS
16 mm	48	25	18	21	10	30	ESIG 16 SS
19 mm	48	25	21	21	10	35	ESIG 19 SS

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48)
or crimping sockets type LPH (☺ catalogue page 51)



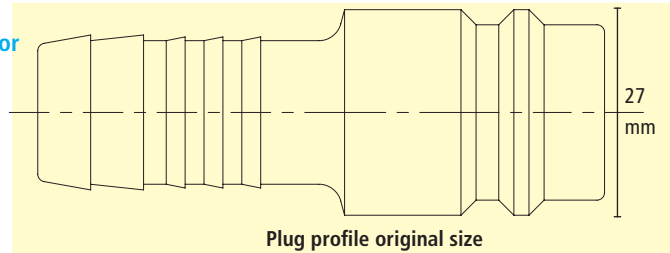
MaxFlow Quick-Disconnect Couplings DN 19

- High-quality, extreme robust Quick-Disconnect Couplings for compressed air and liquid mediums
- Highest flow rate at a low pressure drop rate for large tools resp. for applications with high-volume flow rate in connection with a shut-off function by one-hand operation
- Special executions, e. g. sealing rings of Viton or EPDM for aggressive medium on request (☺ catalogue page 157)
- Couplings also suitable for plugs with valve, these plugs are available on request
- For compressed air supply in industry or construction at extraction points with extremely high demand of compressed air for high performance tools or for applications with different fluids

New!

Materials

- Connections, Valve body, Valves, Sleeves: brass MS 58
- Springs, Retaining rings, balls: Stainless Steel
- O-Rings: Perbunan
- Plugs: brass MS 58



Max. Work. Pressure	Temperature	Medium	DN	Threads	Flow Capacity	One-Hand	Shut-Off	Area	☺
PN 35 bar	-20°C – +100°C	air / liquidas	19	ISO228	8000 L/min	yes	yes	Europe	coupl/plugs5

Couplings with male thread

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 3/4"	41	95	16	46	650	ESG 34 A
G 1"	41	98	19	46	620	ESG 10 A
G 1 1/4"	46	98	19	46	745	ESG 54 A

Couplings with female thread

Thread	Hexagon	l	Thread Length	d	Weight/pc. g	Type No.
G 3/4"	41	99	20	46	740	ESG 34 I
G 1"	41	100	22	46	650	ESG 10 I
G 1 1/4"	50	105	22	46	700	ESG 54 I

Couplings with hose stem

Hose i. D.	l	Stem Length	d	Weight/pc. g	Type No.
19 mm	115	36	46	600	ESG 19 T
25 mm	125	48	46	683	ESG 25 T

For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

Plugs with male thread (Shut-off on request)

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 3/4"	30	60	16	34	160	ESG 34 NA
G 1"	36	65	19	34	200	ESG 10 NA
G 1 1/4"	46	68	19	34	350	ESG 54 NA

Plugs with female thread (Shut-off on request)

Thread	Hexagon	l	Thread Length	Plug Length	Weight/pc. g	Type No.
G 3/4"	32	58	16	34	160	ESG 34 NI
G 1"	41	68	19	34	300	ESG 10 NI
G 1 1/4"	50	70	19	34	410	ESG 54 NI

Plugs with hose stem (Shut-off on request)

Hose i. D.	l	Stem Length	Weight/pc. g	Type No.
19 mm	75	36	154	ESG 19 S
25 mm	87	48	185	ESG 25 S

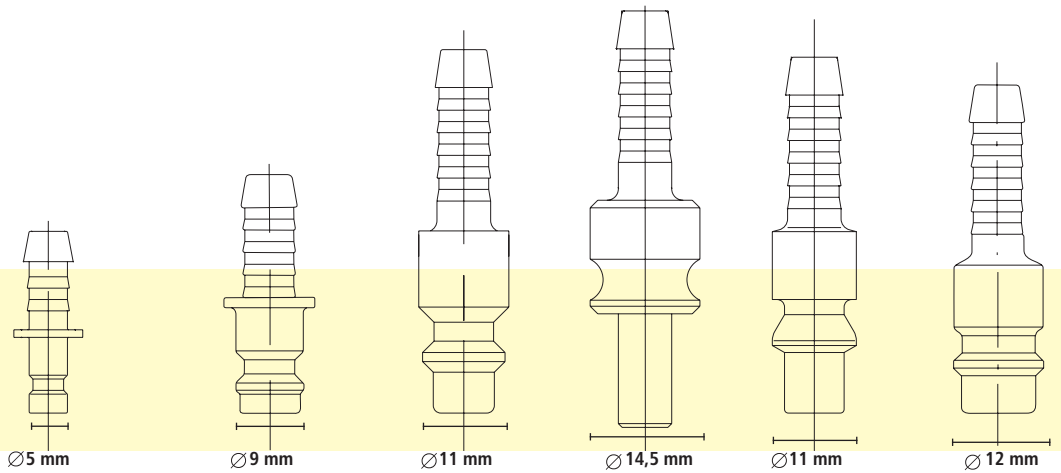
For hose clips type HS (☺ catalogue page 49/50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)



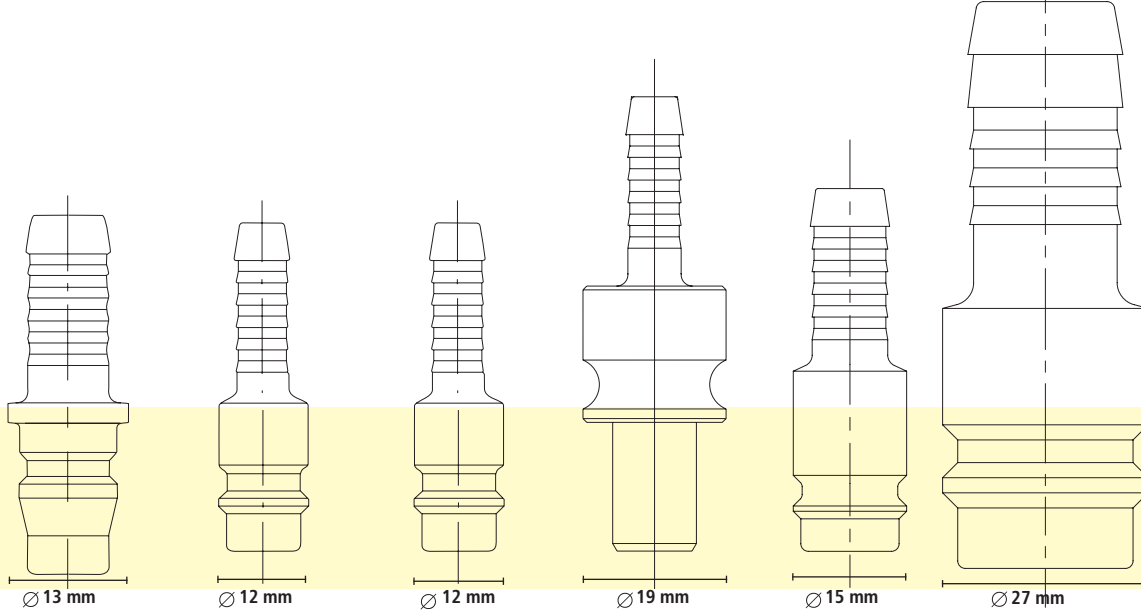
LUDECKE Quick-Disconnect Couplings

Program Table

Plug profiles original size



DN (mm)	2,7	5	5	5	5,5	7,2
Max. Working Pressure (bar)	35	35	35	35	35	35
Temperature (Standard Range)	-20 / +100	-20 / +100	-20 / +100	-20 / +100	-20 / +100	-20 / +100
Mat. Couplings	MS 58	MS 58	MS 58	steel	MS 58	MS 58
Mat. Plugs	MS 58	MS 58 / steel	MS 58 / steel	steel	MS 58	MS 58 / steel
Max. Flow-Capacity (6 bar entrance pressure, 0,5 bar pressure drop) (one-way shut-off type)	160 L/min	560 L/min	900 L/min	750 L/min	800 L/min	1100 L/min
Automatic Shut-Off	1-way	1-way/2-way/free	1-way	1-way	1-way	free/1-way/2-way
One-Hand Operation	yes	yes	yes	no	yes	yes
Norm	-	-	ISO 6150 B US-MIL-Spec. C 4109	-	ARO 210	Eur.Norm
Interchangeable with	Rectus Serie 20	Rectus Serie 21	Rectus Serie 23/24, Hansen 3000, Cejn 310 Milton Gromelle	-	Rectus Serie 14/22 ARO 210, Cejn 300 Orion 44510 Parker 50	Rectus Serie 25/26 Cejn 320
Application Area	Europe	Europe	USA Spain France	Germany	Benelux Suisse	world-wide Europe
LUDECKE Type No.	ESMC	ESM	ESA	FKO	ESO	ES
Catalogue Page	129	130	148	152	147	136



7,8	7,8	7,4	8	10	19
35	35	12	35	35	35
-20 / +100	-20 / +100	-15 / +70	-20 / +100	-20 / +100	-20 / +100
MS 58 steel	MS 58 / steel steel	plastic MS 58 / steel	steel steel	MS 58/Steel steel	MS 58 MS 58
1400 L/min	1800 L/min	1750 L/min	1100 L/min	2600 L/min	8000 L/min
1-way	1-way	1-way	1-way	1-way	1-way/2-way
yes	yes	yes	no	yes	yes
-	Eur.Norm	ISO 44014 EN 983	-	Eur.Norm	Eur.Norm
Nitto Kohki	Rectus Serie 25/26 Cejn 320	Rectus Serie 25/26 Cejn 320	-	Rectus Serie 27/41/1700 Cejn 410	Hansen 7000 Rectus Serie 39
Asia	Europe	Europe	Germany	Europe	Europe
ESK	ESI	ESPN	F1K	ESIG	ESG
150	145	146	153	154	155

Special executions



- Brass nickel plated
- Coloured sleeves
- Special connections (e.g. bulkhead-screwings)
- Special dimensions, other materials
- Seals for different fluids (e.g. EPDM, Viton)
- Without valve, 2-way shut-off
- Oil- and grease-free execution
- Different types of disconnect protections

Available on request against specification, sample or drawing.

Blow-off Guns and Valves



For thorough and fast cleaning or drying of parts and working places in industry or garages compressed air guns or valves are used.

According to requirements under robust conditions aluminium- or brass guns and valves are used, for sensitive surfaces plastic guns are recommended to avoid scratching.

Various types of nozzles offer the right dosage, the required air volume, the necessary noise reduction or the directed security.

For flexible use a combination with MODY-spiral hoses is recommended.



Content

- 159 **Blow-off Guns** dosing of forged aluminium
- 159 **Multi-function Nozzle** for Blow-off Guns type APN/APND
- 160 **Blow-off Guns** of forged aluminium
- 160 **Nozzles and Spare Parts**
- 161 **Blow-off Valves** of aluminium and brass
- 162 **Multi-function Nozzle and Spare Parts** for Blow-off Valves type AHL/AHM
- 162 **Blow-off valves** – Heavy execution
- 163 **Blow-off Guns** of plastic

Dosing Blow-off Guns

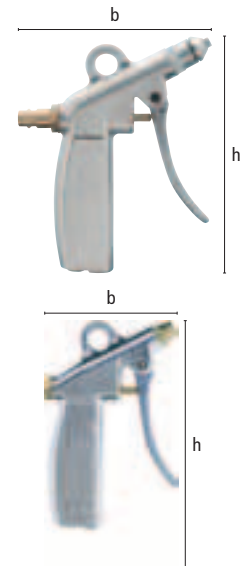
of forged aluminium

- All advantages and characteristics of the standard type APN (© catalogue page 160)
- Dosable (without interruption) air stream for suitable blow-off effect
- With long handle and suspension bow
- APND-NA-MFD with quick plug DN 7,2 at the side to be connected with from top coming hoses assembled with angle coupling DN 7,2 ES..T-90 (© catalogue page 140) for perfect ergonomic work
- For cleaning of working places and parts in industry, garages...

New!

Max. Work. Pressure	Temperature	Medium	Material	Material Nozzle	Threads	
PN 12 bar	-20°C – +100°C	compressed air	aluminium	steel	ISO 228 / DIN 13	5

Connection	Nozzle	Nozzle bore	h	b	Weight/pc. g	Type No.
G 1/4" f	without	-	140	77	222	APND 00
G 1/4" f	P1	2 mm	160	90	237	APND 0
G 1/4" f	MFD 1	1.5 mm	160	90	268	APND 0 MFD
Plug DN 7,2	MFD1	1.5 mm	160	110	290	APND-NA-MFD



Multi-function Nozzle

for Blow-off Guns type APN / APND

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

Characteristic	Material	Thread	Bore	Weight/pc. g	Type No.
Multi-function Nozzle	steel	M 12 x 1.25	1.5 mm	31	MFD 1



Compressed air Blow-off Guns

of forged aluminium

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



Max. Working Pressure	Temperature	Material	Mat. Nozzle	Medium	Threads	Thread Nozzle	
PN 12 bar	-20°C – +100°C	aluminium	steel zinc plated	compressed air	ISO 228 / DIN 13	M 12 x 1.25	5

Standard Blow-off Guns of forged Aluminium

Connection	Nozzle	Nozzle bore	h	b	Weight/pc. g	Type No.
G 1/4" f	without	-	140	77	222	APN 00
G 1/4" f	P1	2 mm	160	90	237	APN 0
Hose i.D. 1/4" = 6 mm	P1	2 mm	175	90	254	APN 6
Hose i.D. 3/8" = 9 mm	P1	2 mm	175	90	260	APN 9
Hose i.D. 7/16" = 11 mm	P1	2 mm	175	90	264	APN 11
Hose i.D. 1/2" = 13 mm	P1	2mm	175	90	277	APN 13
G 1/4" m	P1	2 mm	160	90	256	APN 14
ES 14 NA	P1	2 mm	170	90	259	APN 14 NA

For direct hose assembly use hose clips type HS (☺ catalogue page 49 / 50), type ZOS (☺ catalogue page 48) or crimping sockets type LPH (☺ catalogue page 51)

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

Characteristic	Material	Weight/pc. g		Type No.
● Pointed nozzle	steel	20	10	DÜSE P1
● Noise damping nozzle	steel	13	10	DÜSE GD1
● Safety nozzle	steel	30	10	DÜSE SD1
● Noise damping safety nozzle	steel	27	10	DÜSE GSD1
● Injection nozzle	steel	31	10	DÜSE J1
Extension nozzle 150 mm	steel	25	10	DÜSE VD1
Noise damping nozzle	MS 58	59	10	LSD 125

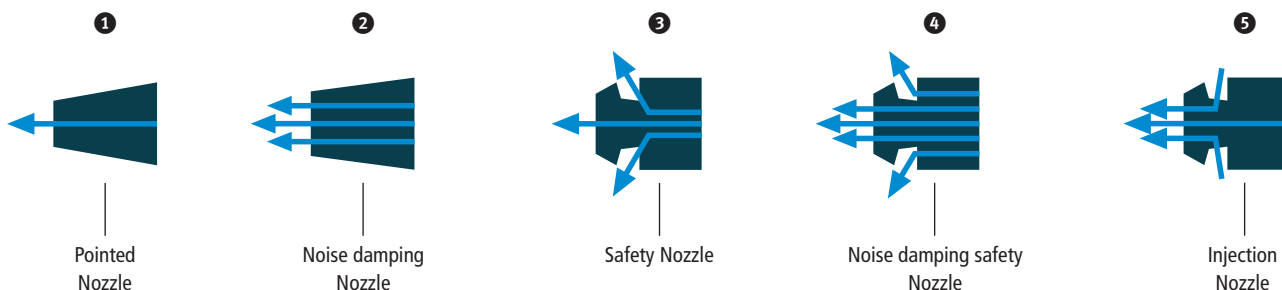
New! Swivel head screwing for trimming of blow nozzles

Connection Thread	Nozzle Thread	Displacement	Hexagon I	d	Weight/pc.g		Type No.
G 1/4" male	G 1/4" IG	47°	22	53 27	104	10	KGV 14

Spare Parts for Blow-off Guns type APN

Characteristic		Type No.
Valve pin with O-Ring	10	APN-VSTIFT
Valve with spring	10	APN-PVK
Handle	10	APN-HEBEL
Plug with O-Ring	10	APN-STOPFEN

Connections with male thread stems type T...M hose i.D. 6-13 mm (☺ catalogue page 162)



Compressed air Blow-off Valves

of aluminium resp. brass

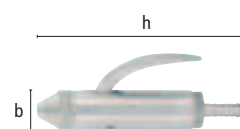
- Robust valves for continuous use under extreme conditions
- For cleaning of working places or parts in industry, garages, foundries...

Max. Working Pressure	Temperature	Material	Material Nozzle	Medium	Threads	Thread Nozzle	⊠
PN 12 bar	-20°C – +100°C	aluminium / MS 58	steel zinc plated	compressed air	ISO 228	G 3/8" m	5

Blow-off valves of aluminium

Connection	Nozzle	Nozzle bore	b	h	Weight/pc. g	Type No.
G 1/4" female	H2	2 mm	22	108	110	AHL 14 I
Hose i.D. 1/4" = 6 mm	H2	2 mm	22	115	104	AHL 6
Hose i.D. 3/8" = 9 mm	H2	2 mm	22	115	105	AHL 9
Hose i.D. 7/16" = 11 mm	H2	2 mm	22	115	108	AHL 11
Hose i.D. 1/2" = 13 mm	H2	2 mm	22	115	108	AHL 13
Hose i.D. 5/8" = 15 mm	H2	2 mm	22	115	111	AHL 15

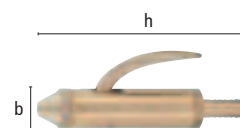
For hose clips type HS (⊗ catalogue page 49 / 50), type ZOS (⊗ catalogue page 48)
or crimping sockets type LPH (⊗ catalogue page 51)



Blow-off valves of brass

Connection	Nozzle	Nozzle bore	b	h	Weight/pc. g	Type No.
Hose i.D. 1/4" = 6 mm	H2	2 mm	22	115	206	AHM 6
Hose i.D. 3/8" = 9 mm	H2	2 mm	22	115	210	AHM 9
Hose i.D. 7/16" = 11 mm	H2	2 mm	22	115	217	AHM 11
Hose i.D. 1/2" = 13 mm	H2	2 mm	22	115	219	AHM 13
G 1/4" m	H2	2 mm	22	115	209	AHM 14

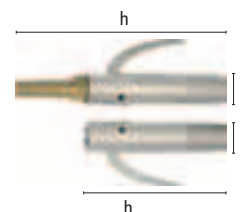
For hose clips type HS (⊗ catalogue page 49 / 50), type ZOS (⊗ catalogue page 48)
or crimping sockets type LPH (⊗ catalogue page 51)



Blow-off valves of aluminium resp. brass – long execution

Connection	Nozzle	Material	b	h	Weight/pc. g	Type No.
G 3/8" f	without (G 3/8" f)	aluminium	22	105	95	AHL 38 IL
G 3/8" f	LSD 38	aluminium / MS	22	152	164	AHL 38 IL-LSD
G 3/8" f	without (G 3/8" f)	brass	22	105	210	AHM 38 IL
G 3/8" f	LSD 38	brass	22	152	279	AHM 38 IL-LSD

Connections with male thread stems type T...M hose i.D. 6-13 mm (⊗ catalogue page 162)



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

Characteristic	Material	Weight/pc. g	⊠	Type No.
● Pointed nozzle	steel	30	10	DÜSE H2
● Noise damping nozzle	steel	23	10	DÜSE GD2
● Safety nozzle	steel	45	10	DÜSE SD2
● Noise damping safety nozzle	steel	44	10	DÜSE GSD2
● Injection nozzle	steel	45	10	DÜSE J2
Extension nozzle	steel	35	10	DÜSE VD2
Noise damping nozzle	MS 58	69	10	LSD 38

New!

Spare Parts for Blow-off valves (⊗ catalogue page 162)

Multi-function Nozzle and Spare Parts


for Blow-off Valves type AHL / AHM

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



Characteristic	Material	Thread	Bore	Weight/pc. g		Type No.
Multi-function Nozzle	steel	G 3 / 8" m	1,5 mm	41	10	MFD 2

Spare parts for Blow-off valves type AHL/M

Characteristic		Type No.
Valve pin with O-Ring	10	AH-VSTIFT
Valve with spring	10	AH-AVKO
Handle	10	AH-HEBEL
Connecting stems 6-15 mm Alu	10	TÜLLE AT..L
Connecting stems 6-15 mm MS 58	10	TÜLLE AT..M

Blow-off valves – Multiple flow capacity




Heavy execution

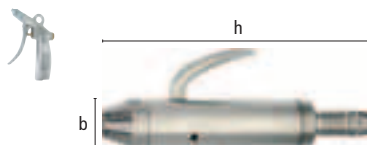
of Aluminium

- Nozzle bore 8 mm for multiple flow capacity e.g. for cleaning of heavy castings

Max. Working Pressure	Temperature	Material	Material Nozzle	Medium	
PN 12 bar	-20°C – +100°C	aluminium	aluminium	compressed air / water	1

Hose i.D.	Nozzle bore	b	h	Weight/pc. g	Type No.
1/2" = 13 mm	8 mm	35	185	338	AHLG 13
3/4" = 19 mm	8 mm	35	185	352	AHLG 19

For hose clips type HS ( catalogue page 49 / 50), type ZOS ( catalogue page 48)
or crimping sockets type LPH ( catalogue page 51)



Compressed air Blow-off Guns of plastic

- Handy Blow-off Guns with extension nozzle 100 mm, dosable, for cleaning of working places and parts in industry, garages...

Max. Working Pressure	Temperature	Material	Mat. Nozzle	Nozzle Bore	Medium	Threads	⊕
PN 12 bar	-20°C – +80°C	plastic	steel	3 mm	compressed air	ISO 228	5

Connections	h	b	Weight/pc. g	Type No.
G 1/4" f	210	110	96	APKO
ES 14 NA	235	110	118	APK 14 NA
Combination with male thread stems type T...M hose i.D. 6-13 mm (© catalogue page 173)				



MODY-Spiral Hoses

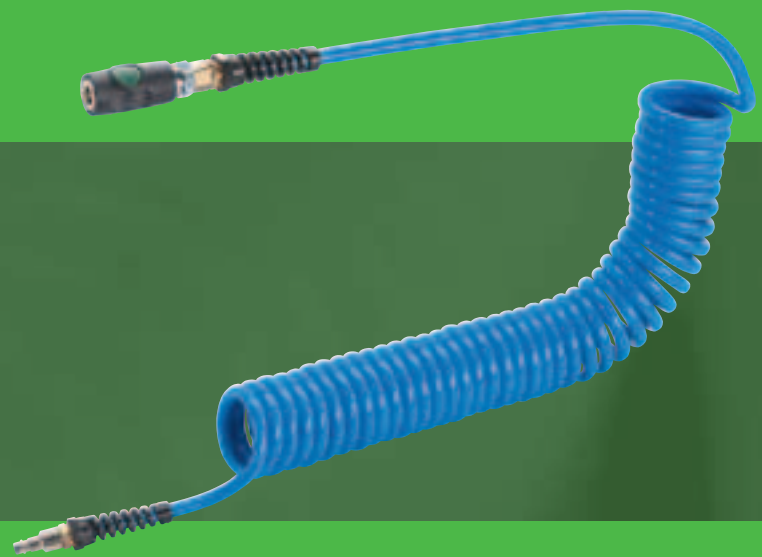


As a result of its excellent material characteristics, polyurethane spiral hoses remove more and more conventional polyamid-spirals for flexible compressed air supply. Also after worst deformation the Mody spiral hose goes back into its original shape, the flow capacity is permanently kept.

High quality, reusable and swivelling fittings with bend-protecting spring are absolutely essential for security and durability.

Hoses lying on the floor are always a risk for stumbling, the spiral hose contributes enormously to safety at work.

It is ideal to install the spiral hose at working places coming from the top.



Content

- 165 Compressed Air Blow-off Sets**
- 166 MODY-Spiral Hoses of Polyurethane**
- 168 MODY-Duo-Spiral Hoses of Polyurethane**
- 168 Antistatic Spiral Hoses of Polyurethane**
- 169 Flamex-Spark Protecting and Hot Water Spiral Hoses of Polyurethane**
- 170 MODY-Spiral Hose Fittings**

Compressed air Blow-off Sets

both sides with straight ends

- MODY-Spiral Hose with Quick Disconnect Plug DN 7,2 on short end (10 cm) and Blow-off Gun on long end (50 cm) complete assembled
- Extraordinary elasticity and flexibility of the polyurethane MODY Spiral Hose
- Space-Saving despite of enormous reach
- Polyamid bend- and scratch protection
- Clean, safe and easy to store in individual packing
- High quality, robust and handy Blow-off Guns
- For cleaning of working places and parts in industry, garages a. s. o.

Max. Working Pressure	Temperature	Medium	Connection	Blow-off Gun	Material Hose	
PN 10 bar	-10°C – +85°C	compressed air	ES-DN 7,2	APNO/APKO	Polyurethane	1

MODY-Blow-off Sets blue with Quick Disconnect Plug DN 7,2 and Blow-off Gun APNO complete assembled

Hose i.D./o.D.	Max. Working Length	Block Length	Outer Spiral∅	Weight/pc. g	Type No.
5/8 mm	3 m	260 mm	36 mm	586	PUB 583 APN
5/8 mm	6 m	510 mm	36 mm	710	PUB 586 APN
6,5/10 mm	3 m	230 mm	52 mm	702	PUB 65103 APN
6,5/10 mm	6 m	490 mm	52 mm	887	PUB 65106 APN



MODY-Blow-off Sets yellow with Quick Disconnect Plug DN 7,2 and Blow-off Gun APNO complete assembled

Hose i.D./o.D.	Max. Working Length	Block Length	Outer Spiral∅	Weight/pc. g	Type No.
5/8 mm	3 m	260 mm	36 mm	586	PUG 583 APN
5/8 mm	6 m	510 mm	36 mm	710	PUG 586 APN
6,5/10 mm	3 m	230 mm	52 mm	702	PUG 65103 APN
6,5/10 mm	6 m	490 mm	52 mm	887	PUG 65106 APN



MODY-Blow-off Sets red with Quick Disconnect Plug DN 7,2 and Blow-off Gun APKO complete assembled

Hose i.D./o.D.	Max. Working Length	Block Length	Outer Spiral∅	Weight/pc. g	Type No.
5/8 mm	3 m	260 mm	36 mm	436	PUR 583 APK
5/8 mm	6 m	510 mm	36 mm	560	PUR 586 APK
6,5/10 mm	3 m	230 mm	52 mm	552	PUR 65103 APK
6,5/10 mm	6 m	490 mm	52 mm	737	PUR 65106 APK



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



MODY-Spiral Hoses of Polyurethane

both sides with straight ends

Max. Working Pressure	Temperature	Medium	Material	Colours	Short End	Long End	
PN 10 bar	-20°C – +85°C	compressed air a.o.	Polyurethane	blue, yellow, red	10 cm	50 cm	1



MODY-Spiral Hoses with swivelling screwings on both sides assembled

Hose i.D./o.D.	Hose Length		Outer Spiral Ø				Weight/pc. g	Thread	
	Max. Working L.	Block Length		Type No. blue	Type No. yellow	Type No. red			
4/6	3 m	4.5 m	370 mm	33 mm	PUB 463 DVK	PUG 463 DVK	PUR 463 DVK	310	R 1/4" m
4/6	6 m	7.5 m	480 mm	33 mm	PUB 466 DVK	PUG 466 DVK	PUR 466 DVK	350	R 1/4" m
5/8	3 m	4.5 m	320 mm	36 mm	PUB 583 DVK	PUG 583 DVK	PUR 583 DVK	380	R 1/4" m
5/8	6 m	7.5 m	610 mm	36 mm	PUB 586 DVK	PUG 586 DVK	PUR 586 DVK	500	R 1/4" m
6.5/10	3 m	4.5 m	320 mm	52 mm	PUB 65103 DVK	PUG 65103 DVK	PUR 65103 DVK	500	R 1/4" m
6.5/10	6 m	7.5 m	550 mm	52 mm	PUB 65106 DVK	PUG 65106 DVK	PUR 65106 DVK	690	R 1/4" m
6.5/10	8 m	10 m	660 mm	52 mm	PUB 65108 DVK	PUG 65108 DVK	PUR 65108 DVK	800	R 1/4" m
8/12	3 m	4.5 m	270 mm	65 mm	PUB 8123 DVK	PUG 8123 DVK	PUR 8123 DVK	650	R 3/8" m
8/12	6 m	7.5 m	550 mm	65 mm	PUB 8126 DVK	PUG 8126 DVK	PUR 8126 DVK	1030	R 3/8" m
8/12	8 m	10 m	620 mm	65 mm	PUB 8128 DVK	PUG 8128 DVK	PUR 8128 DVK	1150	R 3/8" m
9/13	3 m	4.5 m	280 mm	68 mm	PUB 9133 DVK	PUG 9133 DVK	PUR 9133 DVK	670	R 3/8" m
9/13	6 m	7.5 m	640 mm	68 mm	PUB 9136 DVK	PUG 9136 DVK	PUR 9136 DVK	1080	R 3/8" m
9/13	8 m	10 m	700 mm	68 mm	PUB 9138 DVK	PUG 9138 DVK	PUR 9138 DVK	1260	R 3/8" m
11/16	3 m	4.5 m	270 mm	90 mm	⊕PUB 11163 DVS	PUG 11163 DVS	PUR 11163 DVS	1150	R 1/2" m
11/16	6 m	7.5 m	540 mm	90 mm	⊕PUB 11166 DVS	PUG 11166 DVS	PUR 11166 DVS	1840	R 1/2" m
11/16	8 m	10 m	600 mm	90 mm	⊕PUB 11168 DVS	PUG 11168 DVS	PUR 11168 DVS	2053	R 1/2" m
13/19	3 m	4.5 m	300 mm	125 mm	⊕PUB 13193 SVS	PUG 13193 SVS		1230	R 3/4" m
13/19	6 m	7.5 m	480 mm	125 mm	⊕PUB 13196 SVS	PUG 13196 SVS		1940	R 3/4" m
13/19	8 m	10 m	550 mm	125 mm	⊕PUB 13198 SVS	PUG 13198 SVS		2410	R 3/4" m

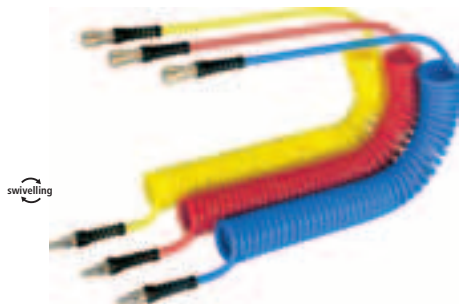
- High abrasion-, pressure- and wear resistance
- Extreme and constant recoil of the spiral, small coil diameter
- Perfect elasticity, flexibility and bend stability
- Softener- and metal free
- Absolutely silicon-free; recycable
- Exactly adapted assortment of reusable connections
- Space-saving despite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

- Polyurethane hoses (not spiralled) (☺ catalogue page 171)

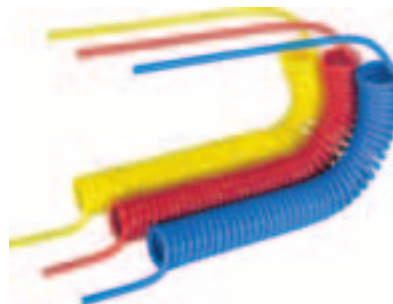


Hose i.D./o.D. 4/6; 5/8; 6.5/10 with new polyurethane composition for more flexibility at best pressure- and temperature characteristics!

New!



MODY-Spiral Hoses with swivelling Quick Disconnect Couplings and Plug DN 7,2 assembled



MODY-Spiral Hoses without fittings

Type No. blue	Type No. yellow	Type No. red	Weight/pc. g	Type No. blue	Type No. yellow	Type No. red	Weight/pc. g
●PUB 463 ESM	PUG 463 ESM	PUR 463 ESM	310	PUB 463	PUG 463	PUR 463	230
●PUB 466 ESM	PUG 466 ESM	PUR 466 ESM	340	PUB 466	PUG 466	PUR 466	260
PUB 583 ES	PUG 583 ES	PUR 583 ES	420	PUB 583	PUG 583	PUR 583	280
PUB 586 ES	PUG 586 ES	PUR 586 ES	550	PUB 586	PUG 586	PUR 586	400
PUB 65103 ES	PUG 65103 ES	PUR 65103 ES	545	PUB 65103	PUG 65103	PUR 65103	370
PUB 65106 ES	PUG 65106 ES	PUR 65106 ES	730	PUB 65106	PUG 65106	PUR 65106	560
PUB 65108 ES	PUG 65108 ES	PUR 65108 ES	850	PUB 65108	PUG 65108	PUR 65108	680
PUB 8123 ES	PUG 8123 ES	PUR 8123 ES	690	PUB 8123	PUG 8123	PUR 8123	470
PUB 8126 ES	PUG 8126 ES	PUR 8126 ES	1070	PUB 8126	PUG 8126	PUR 8126	850
PUB 8128 ES	PUG 8128 ES	PUR 8128 ES	1190	PUB 8128	PUG 8128	PUR 8128	980
PUB 9133 ES	PUG 9133 ES	PUR 9133 ES	710	PUB 9133	PUG 9133	PUR 9133	504
PUB 9136 ES	PUG 9136 ES	PUR 9136 ES	1120	PUB 9136	PUG 9136	PUR 9136	914
PUB 9138 ES	PUG 9138 ES	PUR 9138 ES	1300	PUB 9138	PUG 9138	PUR 9138	1090
				PUB 11163	PUG 11163	PUR 11163	760
				PUB 11166	PUG 11166	PUR 11166	1370
				PUB 11168	PUG 11168	PUR 11168	1580
				New! PUB 13193	PUG 13193		807
				New! PUB 13196	PUG 13196		1510
				New! PUB 13198	PUG 13198		1960



- For bigger demand other colours, hose dimensions, hose lengths and spiral diameters - according to your specifications - are possible without problems.
- If our standard program doesn't meet your requirements, you can have your own combination of a hose without fittings completed with fittings according to page 170/171. The fittings can be added to the hose resp. can be assembled from 10 pcs./type onward in our house.
We can't give any guarantee for hoses with fittings not assembled by ourselves.
- Please also note our system supplementations (complete program of Quick Disconnect Couplings ☺ catalogue page 128–157, pneumatic Fittings ☺ catalogue page 172–178 or Air Guns ☺ catalogue page 158–163).



Necessary data for special executions

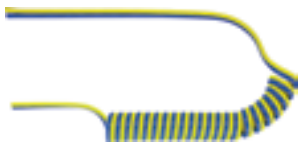
Dimensions/Characteristics:	Fittings:
AL Working Length	Type No. Short End
L 1 Short End	
L 2 Long End	Type No. Long End
D Spiral Diameter	
i.D./o.D.	
Colour	
Inscription	

- NW/AD 4/6 with Quick Disconnect Coupling and Plug DN 5-Mini
- NW/AD 11/16 with spring of nickel plated steel
- NW/AD 13/19 with rigid fitting and spring of nickel plated steel

MODY-Duo-Spiral Hoses of Polyurethane

both sides with straight ends

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



Max. Working Pressure	Temperature	Medium	Material	Colours	Short End	Long End	
PN 10 bar	-20°C – +85°C	compr. air a.o.	Polyurethane	blue/yellow	10 cm	50 cm	1

Hose i.D./o.D.	Connection	Max. Working Length		Block Length		Weight/pc. g	
		Hose Length		Hose Length	Outer Spiral Ø	Type No.	
6,5/10	without	3 m	4,5 m	450 mm	65 mm	750	PUBG 65103
6,5/10	without	6 m	7,5 m	770 mm	65 mm	1120	PUBG 65106
6,5/10	4xR 1/4" m swivelling	3 m	4,5 m	450 mm	65 mm	1000	PUBG 65103 DVK
6,5/10	4xR 1/4" m swivelling	6 m	7,5 m	770 mm	65 mm	1370	PUBG 65106 DVK

MODY-Duo-Hose (not spiralled), Minimum quantity 10 m

Hose i.D./o.D.	Weight g/m	Type No.
6,5/10	78	PUBG 6510-DUO

A : S : S Antistatic Spiral Hoses of Polyurethane

both sides with straight ends



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

Max. Working Pressure	Temperature	Medium	Material	Colours	Short End	Long End	
PN 10 bar	-20°C – +85°C	compr. air a.o.	Polyurethane	black	10 cm	50 cm	1

Hose i.D./o.D.	Connection	Max. Working Length		Block Length		Weight/pc. g	
		Hose Length		Hose Length	outer Ø Spiral	Type No.	
6/8	without	3 m	4.5 m	320 mm	36 mm	260	PUAS 683
6/8	without	6 m	7.5 m	610 mm	36 mm	380	PUAS 686
6/8	2xR 1/4" a rigid	3 m	4.5 m	320 mm	36 mm	380	PUAS 683 SVK
6/8	2xR 1/4" a rigid	6 m	7.5 m	610 mm	36 mm	500	PUAS 686 SVK
7.5/10	without	3 m	4.5 m	320 mm	52 mm	330	PUAS 75103
7.5/10	without	6 m	7.5 m	550 mm	52 mm	520	PUAS 75106
7.5/10	2xR 1/4" a rigid	3 m	4.5 m	320 mm	52 mm	470	PUAS 75103 SVK
7.5/10	2xR 1/4" a rigid	6 m	7.5 m	550 mm	52 mm	660	PUAS 75106 SVK
9/12	without	3 m	4.5 m	270 mm	65 mm	430	PUAS 9123
9/12	without	6 m	7.5 m	550 mm	65 mm	810	PUAS 9126
9/12	2xR 3/8" a rigid	3 m	4.5 m	270 mm	65 mm	580	PUAS 9123 SVK
9/12	2xR 3/8" a rigid	6 m	7.5 m	550 mm	65 mm	960	PUAS 9126 SVK

Other hose dimensions or working lengths on request.



Flamex-Spark protecting and hot water Spiral Hoses of Polyurethane

both sides with straight ends

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

Max. Working Pressure	Temperature	Medium	Material	Colours	Short End	Long End	
PN 15 bar	-20°C – +100°C	compr. air / water	Polyurethane	black	10 cm	50 cm	1

Hose i.D./o.D.	Connection	Max. Working Length		Block Length		Weight/pc. g	
		Hose Length		Outer	Spiral \varnothing	Type No.	
6/10	without	3 m	4.5 m	320 mm	52 mm	320	PUFS 6103
6/10	without	6 m	7.5 m	550 mm	52 mm	500	PUFS 6106
6/10	without	8 m	10 m	660 mm	52 mm	620	PUFS 6108
6/10	2xR 1/4"m swivelling	3 m	4.5 m	320 mm	52 mm	450	PUFS 6103 DVK
6/10	2xR 1/4"m swivelling	6 m	7.5 m	550 mm	52 mm	630	PUFS 6106 DVK
6/10	2xR 1/4"m swivelling	8 m	10 m	660 mm	52 mm	750	PUFS 6108 DVK
8/12	without	3 m	4.5 m	275 mm	65 mm	440	PUFS 8123
8/12	without	6 m	7.5 m	550 mm	65 mm	720	PUFS 8126
8/12	without	8 m	10 m	635 mm	65 mm	950	PUFS 8128
8/12	2xR 3/8"m swivelling	3 m	4.5 m	275 mm	65 mm	520	PUFS 8123 DVK
8/12	2xR 3/8"m swivelling	6 m	7.5 m	550 mm	65 mm	800	PUFS 8126 DVK
8/12	2xR 3/8"m swivelling	8 m	10 m	635 mm	65 mm	1130	PUFS 8128 DVK



Flamex-Hose (not spiralled), Minimum quantity 10 m

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

A : S : S Antistatic hose (not spiralled), Minimum quantity 10 m/type

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

New!



System supplementions

Quick Disconnect Couplings (© catalogue page 128–157)

Pneumatic Fittings (© catalogue page 172–178)

Blow-off Guns and -Valves (© catalogue page 158–163)

MODY-Spiral Hose Fittings

of brass resp. steel nickel plated with polyamid bend- and scratch protective spring

- All fittings removable and reusable
- Maximum bore for maximum flow-capacity
- Exactly adapted to PU-dimension and hardness
- New construction, extreme pull- and pressure-resistant
- Male threads tapered and Loctite-laminated
- Quick Disconnect Couplings Standard System DN 7,2
- Swivelling screwings with double O-ring sealing and circlip, easy to turn under pressure
- All fittings also available with spring of steel on request (also for PA-Hoses)

Squeeze Screwings for connections of Mody-Spiral-Hoses with compressed air lines or tools.

Max. Working Pressure	Temperature	Medium	Material	Material Spring	ES-DN	Threads	
PN 15 bar	-40°C – +85°C	compr. air a.o.	MS 58 / steel	Polyamid	7,2	ISO 228 / DIN 2999	5

Swivelling Squeeze Screwings with male thread (tapered, laminated) and bend- and scratch-protection

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



Swivelling Squeeze Screwings with female thread (parallel) and bend- and scratch-protection

Thread	For hose i.D./o.D.	Bore	Material	Weight/pc. g	Type No.
G 1/4"	4/6	3 mm	MS 58	49	DVK 4614 I
G 1/4"	5/8	4.5 mm	MS 58	58	DVK 5814 I
G 1/4"	6.5/10	5.5 mm	MS 58	70	DVK 651014 I
G 1/4"	8/12	7 mm	MS 58	80	DVK 81214 I
G 3/8"	8/12	7 mm	MS 58	80	DVK 81238 I
G 3/8"	9/13	8 mm	MS 58	74	DVK 91338 I
G 1/2"	11/16	10 mm	steel	254	DVS 111612 I*



Rigid Squeeze Screwings with male thread (tapered, laminated) and bend- and scratch-protection

Thread	For hose i.D./o.D.	Bore	Material	Weight/pc. g	Type No.
R 1/4"	4/6	3 mm	MS 58	25	SVK 4614
R 1/4"	5/8	4.5 mm	MS 58	29	SVK 5814
New! R 1/4"	6/8	5 mm	MS 58	28	SVK 6814
R 1/4"	6.5/10	5.5 mm	MS 58	43	SVK 651014
New! R 1/4"	7.5/10	6.5 mm	MS 58	40	SVK 751014
R 1/4"	8/12	7 mm	MS 58	56	SVK 81214
R 3/8"	8/12	7 mm	MS 58	63	SVK 81238
New! R 3/8"	9/12	8 mm	MS 58	61	SVK 91238
R 3/8"	9/13	8 mm	MS 58	59	SVK 91338
R 1/2"	11/16	10 mm	steel	171	SVS 111612*
R 1/2"	13/19	12 mm	steel	205	SVS 131912*
R 3/4"	13/19	12 mm	steel	210	SVS 131934*



On request also available in stainless steel 1.4305 against extra charge

Rigid Squeeze Screwings with female thread (parallel) and bend- and scratch-protection

Thread	For hose i.D./o.D.	Bore	Material	Weight/pc. g	Type No.
G 1/4"	4/6	3 mm	MS 58	25	SVK 4614 I
G 1/4"	5/8	4.5 mm	MS 58	31	SVK 5814 I
G 1/4"	6.5/10	5.5 mm	MS 58	48	SVK 651014 I
G 1/4"	8/12	7 mm	MS 58	64	SVK 81214 I
G 3/8"	8/12	7 mm	MS 58	66	SVK 81238 I
G 3/8"	9/13	8 mm	MS 58	62	SVK 91338 I
G 1/2"	11/16	10 mm	steel	180	SVS 111612 I *

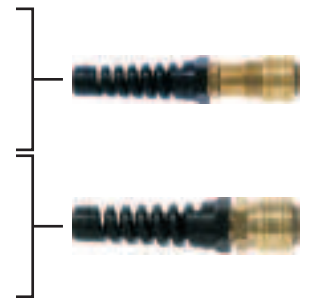


* with spring of nickel plated steel, male thread not laminated



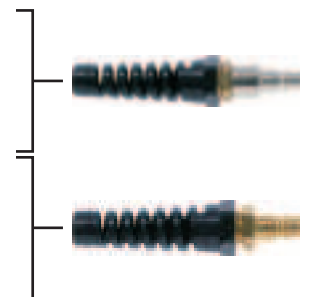
Quick Disconnect Couplings with squeeze screwings and bend- and scratch protection

For hose i.D./o.D.	ES-DN	Material	Characteristic	Weight/pc. g	Type No.
4/6	5	MS 58	swivelling	55	ESM 4 DVK
5/8	7,2	MS 58	swivelling	65	ES 5 DVK
6.5/10	7,2	MS 58	swivelling	111	ES 65 DVK
8/12	7,2	MS 58	swivelling	115	ES 8 DVK
9/13	7,2	MS 58	swivelling	131	ES 9 DVK
4/6	5	MS 58	rigid	45	ESM 4 SVK
5/8	7,2	MS 58	rigid	55	ES 5 SVK
6.5/10	7,2	MS 58	rigid	95	ES 65 SVK
8/12	7,2	MS 58	rigid	103	ES 8 SVK
9/13	7,2	MS 58	rigid	98	ES 9 SVK



Quick Disconnect Plugs with squeeze screwings and bend- and scratch protection

For hose i.D./o.D.	ES-DN	Material	Characteristic	Weight/pc. g	Type No.
4/6	5	hardened steel	swivelling	37	ESM 4 SDVK
5/8	7,2	hardened steel	swivelling	50	ES 5 SDVK
6.5/10	7,2	hardened steel	swivelling	62	ES 65 SDVK
8/12	7,2	hardened steel	swivelling	78	ES 8 SDVK
9/13	7,2	hardened steel	swivelling	75	ES 9 SDVK
4/6	5	MS 58	rigid	17	ESM 4 SSVK
5/8	7,2	MS 58	rigid	34	ES 5 SSVK
6.5/10	7,2	MS 58	rigid	46	ES 65 SSVK
8/12	7,2	MS 58	rigid	59	ES 8 SSVK
9/13	7,2	MS 58	rigid	57	ES 9 SSVK



Polyurethan-Hoses (not spiralled) for flexible compressed air lines (Minimum quantity 10 m/type)

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



Hose Pincer and Replacement Blade

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



Extensive range of connecting fittings made of brass for various fields and applications



Pneumatic-Fittings



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of brass – solid execution
- 175 **Pneumatic-Fittings**
of brass – nickel plated execution

Pneumatic-Fittings of brass – solid execution

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



Max. Working Pressure	Material	Medium	Threads	Cone	
PN 12 bar	MS 58	compressed air, gas a.o.	ISO 228 / DIN 2999	37°	10


New!


Pneumatic-1/3-Connectors

Thread stems with male thread parallel and inner cone 37°

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

For hose clips type HS ( catalogue page 49 / 50), type ZOS ( catalogue page 48)

or crimping sockets type LPH ( catalogue page 51)

Male thread sealing with PVC-packing rings type HPD ( catalogue page 23)

*without inner cone



Pneumatic-2/3-Connectors



Hexagon Nuts


Thread	Bore	Hexagon	h	Weight/pc. g	Type No.
G 1/8"	7,2 mm	13	12	13	U 18 M
G 1/4"	10,6 mm	17	14	16	U 14 M
G 3/8"	13 mm	19	15	15	U 38 M
G 1/2"	15,5 mm	24	16	28	U 12 M

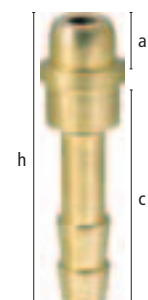


Hose stems for hexagon nuts (with outer cone)

Hose i.D.	For Nut	DN	h	a	c	Stem L.	Weight/pc. g	Type No.
6 mm	U 18 M	4	40	4	34	28	7	ST 186 M
6 mm	U 14 M	4	42	6	34	28	12	ST 146 M
9 mm	U 14 M	5,5	42	6	34	28	14	ST 149 M
6 mm	U 38 M	4	47	7	38	28	23	ST 386 M
9 mm	U 38 M	6,5	47	7	38	28	23	ST 389 M
11 mm	U 38 M	7	47	7	38	28	30	ST 3811 M
6 mm	U 12 M	4	47	7	38	29	32	ST 126 M
9 mm	U 12 M	6,5	47	7	38	29	33	ST 129 M
13 mm	U 12 M	9	47	7	38	29	34	ST 1213 M

For hose clips type HS ( catalogue page 49 / 50), type ZOS ( catalogue page 48)

or crimping sockets type LPH ( catalogue page 51)



Pneumatic-Fittings

of brass – solid execution

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



Pneumatic Double Nipples with male thread and inner cone 37°

Thread	Thread L.	x	Thread	Thread L.	DN	Hexagon	h	Weight/pc. g	Type No.
G 1/8"	7 mm		G 1/8"	7 mm	5	13	19	10	D 18 M
G 1/8"	7 mm		G 1/4"	9 mm	5	17	21	18	D 84 M
G 1/4"	9 mm		G 1/4"	9 mm	7,5	17	23	19	D 14 M
G 1/4"	9 mm		G 3/8"	10 mm	7,5	19	24	26	D 48 M
G 1/4"	9 mm		G 1/2"	12.5 mm	7,5	24	27	48	D 42 M
G 3/8"	10 mm		G 3/8"	10 mm	9	19	25	30	D 38 M
G 3/8"	10 mm		G 1/2"	12.5 mm	9	24	28	50	D 82 M
G 1/2"	12.5 mm		G 1/2"	12.5 mm	12	24	30	54	D 12 M

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Pneumatic Reducing Nipples with female thread, male thread and hexagon

Female Thread	Male Thread	Hexagon	h	Male Thread L.	Weight/pc. g	Type No.
G 1/8"	G 1/4"	17	13	9	10	R 84 N
G 1/4"	G 3/8"	19	14	10	10	R 48 N
G 1/4"	G 1/2"	24	15	11	29	R 42 N
G 3/8"	G 1/2"	24	15	11	19	R 82 N
G 1/2"	G 3/4"	32	21	14	55	R 24 NM
G 1/2"	G 1"	36	20	15	90	R 21 N

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Pneumatic Hose Menders

Hose i.D.	DN	h	Weight/pc. g	Type No.
6 mm	4	52	15	SV 6 M
8 mm	6	52	21	SV 8 M
9 mm	7	52	25	SV 9 M
11 mm	9	52	36	SV 11 M
13 mm	10	52	30	SV 13 M
19 mm	16	65	67	SV 19 M
25 mm	21.5	80	102	SV 25 M

For hose clips type HS (© catalogue page 49 / 50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)



Swivelling thread stems with male thread tapered, Loctite-laminated

Thread	Hose i.D.	DN	Hexagon	h	Stem Length	Thread Length	Weight/pc. g	Type No.
R 1/4"	6 mm	5	17	50	25	11	32	TD 146 M
R 1/4"	9 mm	6	17	50	25	11	38	TD 149 M
R 3/8"	6 mm	5	19	52	25	12	45	TD 386 M
R 3/8"	9 mm	7	19	52	25	12	49	TD 389 M
R 3/8"	11 mm	7	19	52	25	12	56	TD 3811 M

For hose clips type HS (© catalogue page 49 / 50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)

Pneumatic-Fittings

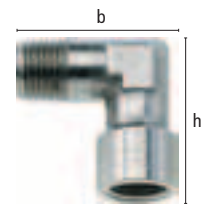
of brass – nickel plated execution

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

Max. Working Pressure	Material	Medium	Threads	
PN 8 bar	MS 58 nickel plated	compressed air a.o.	ISO 228 / DIN 2999	10

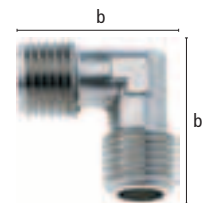
Elbow Connectors with tapered male thread and parallel female thread

Male Thread	Female Thread	Hex.	b	h	Thread L.	Weight/pc. g	Type No.
R 1/8"	G 1/8"	11	18.8	21	8	21	VL 202-18
R 1/4"	G 1/4"	13	24.5	25.5	11	38	VL 202-14
R 3/8"	G 3/8"	17	25.3	28	12	61	VL 202-38
R 1/2"	G 1/2"	21	30	33	14	103	VL 202-12



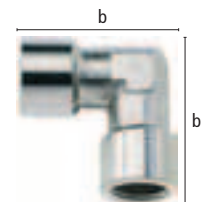
Elbow Connectors with both sides tapered male thread

Threads	Hex.	b	Thread L.	Weight/pc. g	Type No.
2 x R 1/8"	10	17.8	8	10	VL 200-18
2 x R 1/4"	11	21	11	21	VL 200-14
2 x R 3/8"	13	25.3	12	38	VL 200-38
2 x R 1/2"	17	28.5	14	61	VL 200-12



Elbow Connectors with both sides parallel female thread

Threads	Hex.	b	Thread L.	Weight/pc. g	Type No.
2 x G 1/8"	11	21	8	23	VL 201-18
2 x G 1/4"	13	25.5	11	42	VL 201-14
2 x G 3/8"	17	28	12	72	VL 201-38
2 x G 1/2"	21	33	14	116	VL 201-12



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

Male Thread	Female Thread	Hexagon	Thread L.	Weight/pc. g	Type No.
R 1/8"	2 x G 1/8"	14	8	22	VM 204-18
R 1/4"	2 x G 1/4"	17	11	43	VM 204-14
R 3/8"	2 x G 3/8"	22	12	55	VM 204-38
R 1/2"	2 x G 1/2"	26	14	108	VM 204-12



Y-Connectors with 3 x parallel female thread

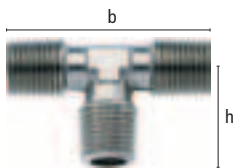
Threads	Hexagon	Thread L.	Weight/pc. g	Type No.
3 x G 1/8"	14	8	32	VF 204-18
3 x G 1/4"	17	11	36	VF 204-14
3 x G 3/8"	22	12	42	VF 204-38
3 x G 1/2"	26	14	101	VF 204-12



Pneumatic-Fittings

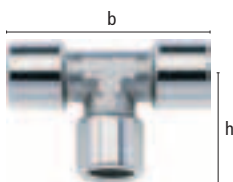
of brass – nickel plated execution

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



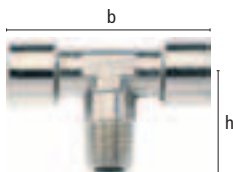
T-Connectors with 3 x tapered male thread

Threads	⊙Hexag.	b	h	Thread L.	Weight/pc. g	Type No.
3 x R 1/8"	10	35.5	17.8	8	20	VTT 208-18
3 x R 1/4"	11	42	21	11	30	VTT 208-14
3 x R 3/8"	13	50.5	25.3	12	56	VTT 208-38
3 x R 1/2"	17	57	28.5	14	128	VTT 208-12



T-Connectors with 3 x parallel female thread

Threads	⊙Hexag.	b	h	Thread L.	Weight/pc. g	Type No.
3 x G 1/8"	11	42	21	8	31	VTT 200-18
3 x G 1/4"	13	51	25.5	11	62	VTT 200-14
3 x G 3/8"	17	56	28	12	97	VTT 200-38
3 x G 1/2"	21	66	33	14	161	VTT 200-12



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

Male Thread	Female Thread	⊙Hexag.	b	h	Thread L.	Weight/pc. g	Type No.
R 1/8"	2 x G 1/8"	11	42	21	8	26	VTC 206-18
R 1/4"	2 x G 1/4"	13	51	25.5	11	56	VTC 206-14
R 3/8"	2 x G 3/8"	17	56	28	12	91	VTC 206-38
R 1/2"	2 x G 1/2"	21	66	33	14	150	VTC 206-12



Double Nipples with both sides parallel male thread

Threads	⊙Hexag.	h	Thread L.	Weight/pc. g	Type No.
2 x G 1/8"	14	16.7	6	10	VNC 260-18
2 x G 1/4"	14	21.2	8	15	VNC 260-14
2 x G 3/8"	19	23.2	9	28	VNC 260-38
2 x G 1/2"	24	25.7	10	32	VNC 260-12
2 x G 3/4"	30	29	11	68	VNC 260-34

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Reducing Double Nipples with both sides parallel male thread

Thread	Thread L.	x	Thread	Thread L.	⊙Hexagon	h	Weight/pc. g	Type No.
G 1/8"	6		G 1/4"	8	17	19.2	15	VNR 261-184
G 1/8"	6		G 3/8"	9	19	20.2	20	VNR 261-188
G 1/8"	6		G 1/2"	10	24	24.7	34	VNR 261-182
G 1/4"	8		G 3/8"	9	19	22.2	21	VNR 261-148
G 1/4"	8		G 1/2"	10	24	23.7	26	VNR 261-142
G 3/8"	9		G 1/2"	10	24	24.7	38	VNR 261-382
G 1/2"	10		G 3/4"	11	28	27.5	65	VNR 261-124

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)

Pneumatic-Fittings

of brass – nickel plated execution

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

Double Nipples with both sides tapered male thread

Threads	Thread L.	Hexagon	h	Weight/pc. g	Type No.
2 x R 1/8"	7.6	12	19.7	9	VNC 250-18
2 x R 1/4"	11	14	27	16	VNC 250-14
2 x R 3/8"	11.6	17	28.2	26	VNC 250-38
2 x R 1/2"	14	22	33.5	52	VNC 250-12
2 x R 3/4"	16.5	27	39	69	VNC 250-34



Reducing Double Nipples with both sides tapered male thread

Thread	Thread L.	x	Thread	Thread L.	Hexagon	h	Weight/pc. g	Type No.
R 1/8"	7.6		R 1/4"	11	14	23.6	14	VNR 251-184
R 1/8"	7.6		R 3/8"	11.6	17	24.2	19	VNR 251-188
R 1/4"	11		R 3/8"	11.6	17	26.6	23	VNR 251-148
R 1/4"	11		R 1/2"	14	22	27.6	40	VNR 251-142
R 3/8"	11.6		R 1/2"	14	22	31.5	44	VNR 251-382
R 1/2"	14		R 3/4"	16.6	27	37.6	68	VNR 251-124



Double Nipples with both sides parallel female thread

Threads	Thread L.	Hexagon	h	Weight/pc. g	Type No.
2 x G 1/8"	8	14	15	12	VM 254-188
2 x G 1/4"	11	17	22	21	VM 254-144
2 x G 3/8"	12	22	24	39	VM 254-388
2 x G 1/2"	15	27	30	50	VM 254-122



Reducing Double Nipples with both sides parallel female thread

Thread	Thread L.	x	Thread	Thread L.	Hexagon	h	Weight/pc. g	Type No.
G 1/8"	8		G 1/4"	11	17	19.6	25	VM 255-184
G 1/4"	11		G 3/8"	12	22	23	47	VM 255-148
G 1/2"	15		G 3/4"	17	32	30	107	VM 255-124



Reducing Nipples with parallel male and female thread

Female Thread	Thread L.	x	Male Thread	Thread L.	Hexagon	h	Weight/pc. g	Type No.
G 1/8"	13		G 1/4"	8	17	13	11	VRC 100-148
G 1/4"	14		G 3/8"	9	19	14	12	VRC 100-384
G 3/8"	15.5		G 1/2"	10	24	15.5	24	VRC 100-128
G 1/2"	17.5		G 3/4"	12	30	17.5	41	VRC 100-342



Male thread sealing with PVC-packing rings type HPD (☉ catalogue page 23)

Pneumatic-Fittings

of brass – nickel plated execution

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



Thread stems with parallel male thread

Thread	Hose i.D.	Hexagon	h	Thread Length	Stem Length	Weight/pc. g	Type No.
G 1/8"	6 mm	13	32	7	20	10	VPG 260-186
G 1/8"	9 mm	13	32	7	20	13	VPG 260-189
G 1/4"	6 mm	17	34	9	20	16	VPG 260-146
G 1/4"	9 mm	17	34	9	20	19	VPG 260-149
G 3/8"	9 mm	19	35	10	20	24	VPG 260-389
G 3/8"	14 mm	19	39	10	24	29	VPG 260-3814
G 1/2"	14 mm	24	40	10	24	39	VPG 260-1214
G 3/4"	20 mm	30	47	12	28	87	VPG 260-3420

For hose clips type HS (© catalogue page 49 / 50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Thread stems with parallel female thread

Thread	Hose i.D.	Hexagon	h	Thread Length	Stem Length	Weight/pc. g	Type No.
G 1/8"	6 mm	13	31	9	20	13	VPG 250-186
G 1/4"	6 mm	17	34	11	20	20	VPG 250-146
G 1/4"	9 mm	17	34	11	20	23	VPG 250-149
G 3/8"	9 mm	22	35	12	20	27	VPG 250-389
G 1/2"	13 mm	24	41.5	14	24	45	VPG 250-1213

For hose clips type HS (© catalogue page 49 / 50), type ZOS (© catalogue page 48)

or crimping sockets type LPH (© catalogue page 51)



Hexagon Caps with parallel female thread

Thread	Hexagon	h	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	12	9	11	VE 265-18
G 1/4"	17	14	10	17	VE 265-14
G 3/8"	22	15.5	11	27	VE 265-38
G 1/2"	24	17	12	28	VE 265-12
G 3/4"	30	17.5	13	47	VE 265-34



Hexagon Caps with parallel male thread

Thread	Hexagon	h	Thread Length	Weight/pc. g	Type No.
G 1/8"	14	10.5	6	8	VE 261-18
G 1/4"	17	13	8	14	VE 261-14
G 3/8"	19	14	9	18	VE 261-38
G 1/2"	24	15.5	10	27	VE 261-12
G 3/4"	30	17.5	12	53	VE 261-34

Male thread sealing with PVC-packing rings type HPD (© catalogue page 23)



Slide Valves with both sides parallel female thread, sleeve of plastic

Threads	h	b	Hexagon	Weight/pc. g	Type No.
2 x G 1/8"	53	28	17	81	HSV 18
2 x G 1/4"	58	30	19	97	HSV 14
2 x G 3/8"	68	35	22	145	HSV 38
2 x G 1/2"	80	40	27	223	HSV 12
2 x G 3/4"	80	45	32	383	HSV 34



05
0.1
30°
30°
5°
14
R0.2
R0.3
R1.7
R1.3
R0.5
3.9
90°
 $\phi 6.9_{\pm 0.02}$

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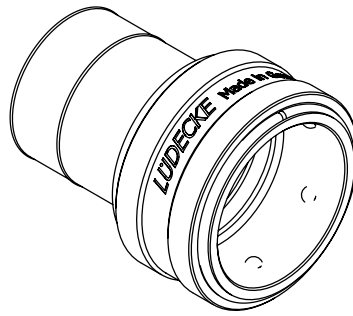
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Special productions and new developed products



As a result of our flexible CIM (computer-integrated-manufacturing) production from drawing on Auto-CAD to production survey and product examination with SPC (Statistical process control), **LUDECKE** is the ideal partner for quick and economic special solutions on various application fields.

For our customers around the world we develop and produce fittings made of different materials for various applications. Necessary tests (e.g. Burst pressure, temperature) can also be made by our technical department in most cases.

Our speciality is the development and testing of fittings and hose assembly methods of new developed hoses for different fluids and applications. Through practicing for decades and cooperating with leading hose manufacturers we created in this field a huge know-how to be able to provide ideal adapted and safe solutions quick and flexible.

Of course we also produce all kinds of turned parts according to your drawing or sample.

Necessary data for new developments or special productions:

Which material? _____

Which medium? _____

Which working pressure? _____

Which working temperature? _____

Necessary flow-capacity? _____

Connection Thread Hose stem

Which thread type? _____ Which hose material? _____

Which thread size? _____ Which hose i.D./o.D.? _____

Preferred assembly method? _____

Hose sample available? Yes No

Which environmental conditions? _____

Necessary tests or test certificates? _____

Quantity involved? _____

Sample or drawing available? _____

Use as form: Please copy!

For our products we use the following materials:

1. White malleable Iron according to DIN EN 1562 (EN-GJMW-400-5)

This iron carbon is getting its characteristic qualities through a special heat treatment and not, like other materials, through its chemical composition. Through this heat treatment all carbon is removed up to some mm depth from the surface. Thin walled parts get the structure of ferritic steels. This possibility to create complicated casted geometrical structures in combination with the high quality technical features of this iron (excellent for welding, forming and forging) makes white malleable iron to a flexible and exacting partner.

The toughness of white malleable iron avoids a breaking of the material through heavy strain. A hose coupling overdriven by a truck will never break, it only gets oval. Through high expansion limits white malleable iron is suitable to be used at high temperatures, but also up to -60°C , because its firmness qualities improve with declining temperature.

Moreover malleable iron is easy to machine, has an excellent resistance against environmental influences and can be hardened with thermochemical processes.

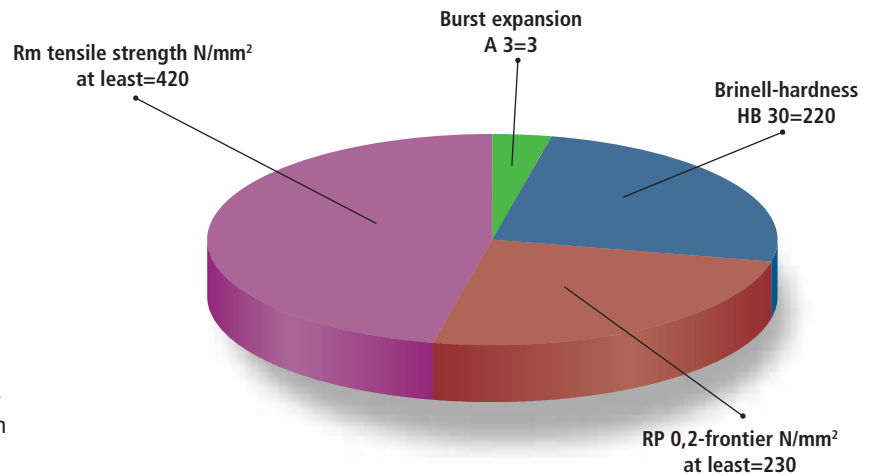
White malleable iron guarantees us a constantly high quality. As raw material for the production of fittings **LUDECKE** only uses castings made in German and European foundries.

2. Brass MS 58 /CuZn 39 Pb3), Material 2.0401

Brass MS 58 is the mainly used alloy for all machining production procedures. It guarantees high durability, can be galvanized excellent (nickel plating) and is as a result of its material characteristics extremely well suitable for all turned parts. For its production **LUDECKE** uses MS 58 in different profiles (Hexagon-, round-, pipe-profiles) or warm forged raw parts.

3. Free-cutting steel (11s Mn Pb 30), Material 1.0718 according to DIN EN 10087

Good machining quality is the requirement for an economical production of turned parts with high precision and excellent surface quality. The material 1.0718 fulfils these characteristics. The possibility to weld, harden and for surface treatments is also guaranteed.



Characteristics of malleable iron (EN GJMW-400-5)

4. Stainless Steel, Material 1.4401 (ANSI # 316) and 1.4305

Rust- and acid-resistance, excellent mechanical qualities and high durability at good machining qualities make this material the ideal partner for high quality fittings to be used under extreme conditions with aggressive fluids or for food and drinking water applications.

Chemical composition:

Carbon	< 0.08	Manganese	< 1.5
Silicon	< 1.5	Nickel	9 -12
Sulphur	< 0.04	Chrome	18 -21
Phosphorus	<=0.04	Molybdenum	2-3

5. Aluminium

The alloy Al Mg Si 1 F 31 can be hardened and is excellent resistant against corrosion. It can be polished, is resistant against chemical fluids and is well suitable for machining.

This alloy is used by **LUDECKE** for forged parts. As profile material the alloy Al Cu Mg Pb F38 is machined.

6. ECOBRASS®. (UNS C 69300) New!

ECOBRASS® is a new innovative material that combines the machining advantages of brass with hardness and resistance characteristics of stainless steel. ECOBRASS® is extraordinarily corrosion-resistant, free of lead and toxic compounds (fulfils coming restrictions of the car industry) and keeps its shining colour long lasting. ECOBRASS® is certified for drinking water applications. It is only slightly more expensive than brass MS 58, exhibits however an important price advantage in regard to stainless steel. **LUDECKE** machines ECOBRASS® as special alloy on request.

New!

RoHS-Directive

RoHS-conformity

Exclusion of dangerous substances – EU directive 2002 / 95 / EG, 2003/11/EG and 2005 / 618 / EG (RoHS)

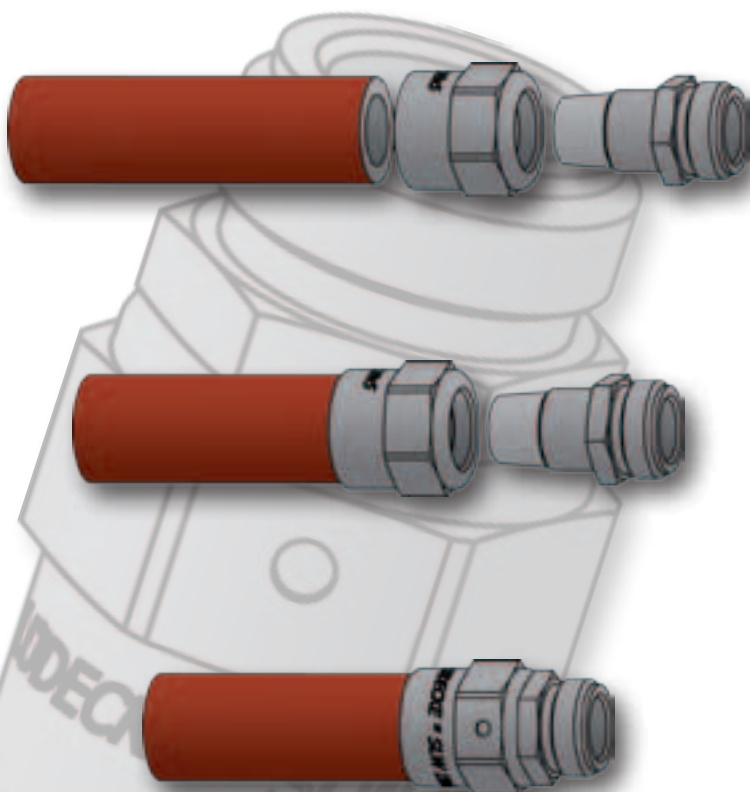
In order to adhere to this directive our galvanic equipment has been changed to chrome-VI-free zinc plating.

It is to be emphasised that we will keep on supplying our steel and malleable-iron articles yellow-coloured because the formerly yellow chromising containing chrome VI has been replaced by a high-grade chrome-VI-free yellow passivation.

In the future our steel and malleable-iron products will not change their look as demanded by our customers, the RoHS directive will be adhered to and the quality of our coupling systems "Made in Germany" will be improved once more due to this high-grade surface treatment.

The compliance with all other standards of the RoHS directive is also guaranteed regarding our suppliers of semi-finished goods and all internal production proceedings.

Hose Assembly With Thread Ferrules DIN EN 14 424



1. The fitting must be clamped in a vice.
2. Put the ferrule over the straight-cut hose (pay attention to the correct hose dimensions!)
3. Move the hose with ferrule over the stem up to the thread (use lubricant if necessary).
4. Control the correct hose fit by means of the sight bore in the ferrule.
5. Screw the ferrule with the aid of a spanner on the fitting's thread until you reach the limit.
6. Control once again the correct hose fit by means of the sight bore.
7. The thread ferrule is unlockable and reusable at any time.



Having a look at air:

Situated on Amberg's prettiest square, the historic "Klosterl" ("little convent") complex dating from the 14th century with the fitting epithet "Engelsburg" ("angel's castle") offers unique showroom space on three levels (650 square meters) dedicated to the subject air ...

Air can be experienced and comprehended.

The AIR MUSEUM shows the "airparc" (on loan from Festo AG & Co. KG, designed and constructed in 2004 by Wilhelm Koch, Oskar Lottner, Andreas Schönberger) – all grey painted large objects.

Technical exhibits

LÜDECKE pneumatic couplings with the "pneumatic pinball machine", GRAMMER AG – pneumatic, air-conditioned seats, HERDING filter systems, GRAMMER Solar – hot air collectors, Carcoon air garage, Via Sports airboard, Ralf G. Augenstein fan collection ...

Objects on loan and pictures by artists, architects and designers

E. g., Hans Hemmer / Berlin – balloon chapel and video, Res Ingold / Munich airship, Ralf Homann "On Air", Luft&Laune, Architects of Air, Dreamspace, Frank Fiercke, HARUKO, Wilhelm Koch – former Gummeum collection "Squaring of the Tube", Vesuna tower model, pneumatic bicycle, air climbing stairs, inflated artist, thick and thin air, air pressure wave, vacuum blower, Zanotta air seat ...

Apart from exhibitions there are talks, readings, guided tours and concerts. On the ground floor there are changing exhibitions on design, architecture, art, technology and everyday art.

The AIR MUSEUM was founded as a private initiative at the beginning of 2006 and is financed by donations and air helpers without any public funding.



LUFTMUSEUM

Eichenforstgässchen 12 . 92224 Air Art City Amberg
Phone 09621 420883 . Fax 09621 33327

www.luftmuseum.de . koch@luftmuseum.de

OPENING TIMES

April – September

Tue – Fri 2 – 6 pm

Sat / Sun 11 am – 6 pm

October – March

Tue – Fri 2 – 5 pm

Sat / Sun 11 am – 5 pm **TUE – FRI 2 – 5 PM**

Sealing Material

Table of Resistance

Medium	Brass	Perbunan	PTFE	Viton FKM
Acetic Acid	3	4	1	4
Acetone	1	4	1	4
Acetylene	3	1	1	1
Acrylnitril	1	4	1	3
Ammonia	4	2	1	4
Air	1	1	1	1
Aviation-Grade Gasoline	1	1	1	1
Beer	2	1	1	1
Benzene	2	4	1	3
Borax	2	1	1	1
Brine	1	1	1	1
Bromine (dry)	3	4	1	2
Butane (gaseous)	1	2	1	2
Carbolic Acid	2	4	1	2
Carbon Dioxide (dry)	1	1	1	1
Carbonic Acid	4	1	1	1
Castor oil	1	1	1	1
Chlorine (dry)	4	4	1	1
Chrom Acid	4	4	1	1
Diesel Oil	1	1	1	1
Drill Oil	1	2	1	1
Emulsion Water/Oil	1	1	1	1
Fat Acids	4	2	1	1
Ferrochloride	2	2	1	1
Fluor (dry)	4	4	1	1
Formaldehyde	2	1	1	1
Gasoline	1	1	1	1
Glucose	1	1	1	1
Glycerin	4	1	1	2
Glycole	2	2	1	2
Heavy Fuel	2	4	1	3
Hydrogen Peroxide	2	4	1	-
Ink	3	1	1	1
Kerosene	3	2	1	1
Light Fuel	2	3	1	2
Lighting-Gas (w/o. Benzene)	1	2	1	1
Linseed Oil	2	1	1	1
Liquid Gas	1	3	1	1
Lubricating Oil	2	1	1	1
Magnesiumhydroxide	3	1	1	1

Medium	Brass	Perbunan	PTFE	Viton FKM
Magnesiumsulfate	2	2	1	1
Methane	1	2	1	1
Milk	-	1	1	1
Mineral Oil	2	1	1	1
Molasses	3	1	1	1
Naphta	2	2	1	1
Naphtalene	2	2	1	1
Nitric Acid	4	4	1	2
Nitrobenzene	4	4	1	3
Nitrogen	1	1	1	1
Oil Acid	2	2	1	1
Olive-Oil	2	1	1	1
Oxygen	1	4	1	4
Paraffin	1	1	1	1
Pentan	1	1	1	1
Petroleum	1	1	1	1
Phosphor Acid (cold)	4	2	1	1
Potassium Chloride	2	1	1	1
Potassium Sulfate (watery)	2	1	1	1
Propylene	2	1	1	2
Quicksilver	4	1	1	1
Resin	1	3	1	-
Sea-Water	2	1	1	1
Sodium Bicarbonate	3	1	1	1
Sodium Chloride	3	1	1	1
Sodium Hydroxide (20% cold)	3	1	1	2
Sodium Nitrate	2	1	1	1
Sodium Sulfate	2	1	1	1
Sodium Sulfide	4	1	1	1
Steam (100°C)	1	4	1	4
Sulphuric Acid	3	4	1	2
Tannic Acid	2	2	1	2
Tar and Tar Oil	3	4	1	2
Toluene	1	4	1	2
Terpentine	2	2	1	1
Varnishes & Solvents	3	4	1	3
Vinegar	3	2	1	2
Water (cold)	1	1	1	1
Xylol	1	4	1	2
Zinc Chloride	4	2	1	1
Zinck Sulfate	2	1	1	1

1 = high resistant
 2 = resistant
 3 = limited resistant
 4 = inconsistant
 - = not yet tested

Sealing Material



General Markings

This table of resistance shall only be the line of direction. It cannot be regarded to be fully complete or absolutely correct. The measures are obtained from experiences. Due to different applications and mixing of the mediums there may occur possible differences.

The Mediums of Tightening and their Qualities

Perbunan

(Nitrilcaoutschouc) NBR

Perbunan is of high resistance against oil, small concentrated solvents and many other mediums. Because of its high tightness it is also very suitable for gasvolumed fluids.

Perbunan may be used at temperatures between 253 K and 373 K (-20°C and +100°C).

It may not be used for some different types of hard-flamable hydraulic fluids.

PTFE (Teflon)

(Polytetrafluorethylen)

PTFE is resistant against even all fluids, independent if it is solvents, lyes, acids or other fluids or gas.

It has excellent qualities of glide and is suitable for a great range of temperature from 173 K up to 473 K (-100°C to +200°C).

When being used in the high pressure area it is not recommended for more than 100 bar.

Viton®

(Fluorelastomer/FPM)

Viton is resistant against oils, fuels, solvents, acids and other aggressive fluids. The very good weather resistance is to emphasize.

Dependent on purpose, Viton may be used at temperatures from 243 K up to 473 K (-30°C to + 200°C).

EPDM

(Ethylen-Propylen-Terpolymer)

Also known as APTK. EPDM is extremely resistant against light, ozone, weather and ageing. Can be recommended for use with acids (acc. to concentration), alkali, water, alcohol and cetone.

Temperature range from -50°C to +130°C.

Hypalon®

(Chlorsulfonyl-Polyethylen-Caoutschouc/CSM)

Elastic rubber with excellent resistance against all kinds of weather influences and extreme resistance against oxidizing chemicals, heat and rub off.

Temperature range from -40°C to +160°C.

Ohasil 70

(silicon modified EPDM-Terpolymerisat)

High mechanical bearing at low and high pressure. Thermic pattern of a Silicon-rubber-quality. Excellent weather- and steam-resistance at low pressure deformation.

To be used up to +195°C working temperature, +200°C short maximum temperature.

Shore hardness according to DIN 53505 A

28°	to	38°	–	very soft
40°	to	50°	–	soft
52°	to	66°	–	middle soft
68°	to	78°	–	middle hard
80°	to	90°	–	hard
92°	to	100°	–	very hard

Viton® and Hypalon® are products of DuPont Dow Elastomers.

Technical Tables

Threads

Our fittings are equipped with the following threads:

Whitworth pipe Threads according to ISO 228, DIN 2999

Coarse Threads according to DIN 405

NPT-Threads according to ASA B2.1

Metric Threads according to DIN 13

Parallel Threads Rp. according to ISO 7/1

Whitworth Pipe Thread according to
ISO 228 and DIN 2999

Thread ISO 228	Thread DIN 2999	Nominal- \varnothing outside rounded in mm	At Bottom- \varnothing of thread female in mm	Number of turns per inch = 25.4 mm
G1/8"	R1/8"	10	8.566	28
G1/4"	R1/4"	13	11.445	19
G3/8"	R3/8"	17	14.950	19
G1/2"	R1/2"	21	18.631	14
G5/8"	R5/8"	23	20.587	14
G3/4"	R3/4"	26	24.117	14
G7/8"	R7/8"	30	27.877	14
G1"	R1"	33	30.291	11
G1 1/4"	R1 1/4"	42	38.952	11
G1 1/2"	R1 1/2"	48	44.845	11
G2"	R2"	60	56.656	11
G2 1/2"	R2 1/2"	75	72.226	11
G3"	R3"	88	84.926	11
G4"	R4"	113	110.072	11

Round thread DIN 405
also milled thread

Thread in inch	Nominal- \varnothing outside rounded in mm	At Bottom- \varnothing of thread female in mm	Number of turns per inch = 25.4 mm
Rd 24x1/8"	24	21.14	8
Rd 32x1/8"	32	29.14	8
Rd 38x1/8"	38	35.14	8
Rd 46x1/6"	46	42.19	6
Rd 55x1/6"	55	51.19	6
Rd 62x1/6"	62	58.19	6
Rd 75x1/6"	75	71.19	6
Rd 90x1/6"	90	86.19	6
Rd 105x1/4"	105	99.28	4
Rd 150x1/4"	150	144.28	4

American standard taper pipe thread
(Abstract of ASA B2.1 - (1960))

Thread in inch	o.D. of tube	Number of turns per inch = 25.4 mm
1/8"	10.287	27
1/4"	13.716	18
3/8"	17.145	18
1/2"	21.336	14
3/4"	26.670	14
1"	33.41	11 1/2
1 1/4"	42.164	11 1/2
1 1/2"	48.260	11 1/2
2"	60.325	11 1/2

Abbreviations:

- DN → Diameter Nominal
- PN → Pressure Nominal
- \varnothing A → Outside Diameter- \varnothing
- \varnothing I → Inner Diameter- \varnothing
- Hexagon → Width across flats
- Hose i.D. → Hose inner diameter

We reserve the right for technical modifications of our products without specific information.

Conversion tables

Pressure – Temperature
Table Saturated Steam

bar	°C
1	→ 119.0
2	→ 132.8
3	→ 142.8
4	→ 150.9
5	→ 157.9
6	→ 164.0
7	→ 169.5
8	→ 174.4
9	→ 178.9
10	→ 183.1
11	→ 187.1
12	→ 190.7
13	→ 194.2
14	→ 197.4
15	→ 200.4
16	→ 203.4
17	→ 206.2
18	→ 208.8
19	→ 211.4
20	→ 213.9
30	→ 234.6
40	→ 250.6
50	→ 263.9

Conversion Table bar – PSI

Conversion factor
1 bar = 14,5035 PSI

Conversion factor
1 PSI = 0,0689 bar

bar	PSI	PSI	bar
10	→ 145.0350	10	→ 0.6890
20	→ 290.0700	20	→ 1.3780
30	→ 435.1050	30	→ 2.0670
40	→ 580.1400	40	→ 2.7560
50	→ 725.1750	50	→ 3.4450
60	→ 870.2100	60	→ 4.1340
70	→ 1015.2450	70	→ 4.8230
80	→ 1160.2800	80	→ 5.5120
90	→ 1305.3150	90	→ 6.2010
100	→ 1450.3500	100	→ 6.8900

ZERTIFIKAT • CERTIFICATE • 証書 • CERTIFICADO • CERTIFICAT



CERTIFICATE

The Certification Body
 of TÜV SÜD Management Service GmbH
 certifies that

LUDECKE

E.Georg Lüdecke Armaturen GmbH
 Heinrich-Hauck-Straße 2
 D-92224 Amberg

has established and applies
 a Quality Management System for

Development, Production and Distribution of
 Fittings and Spiral Hoses

An audit was performed, Report No. **70003736**
 Proof has been furnished that the requirements
 according to

ISO 9001:2008

are fulfilled. The certificate is valid until **2012-08-02**
 Certificate Registration No. **12 100 5637 TMS**


 Munich, 2009-08-20


 QMS-TGA-ZM-07-92

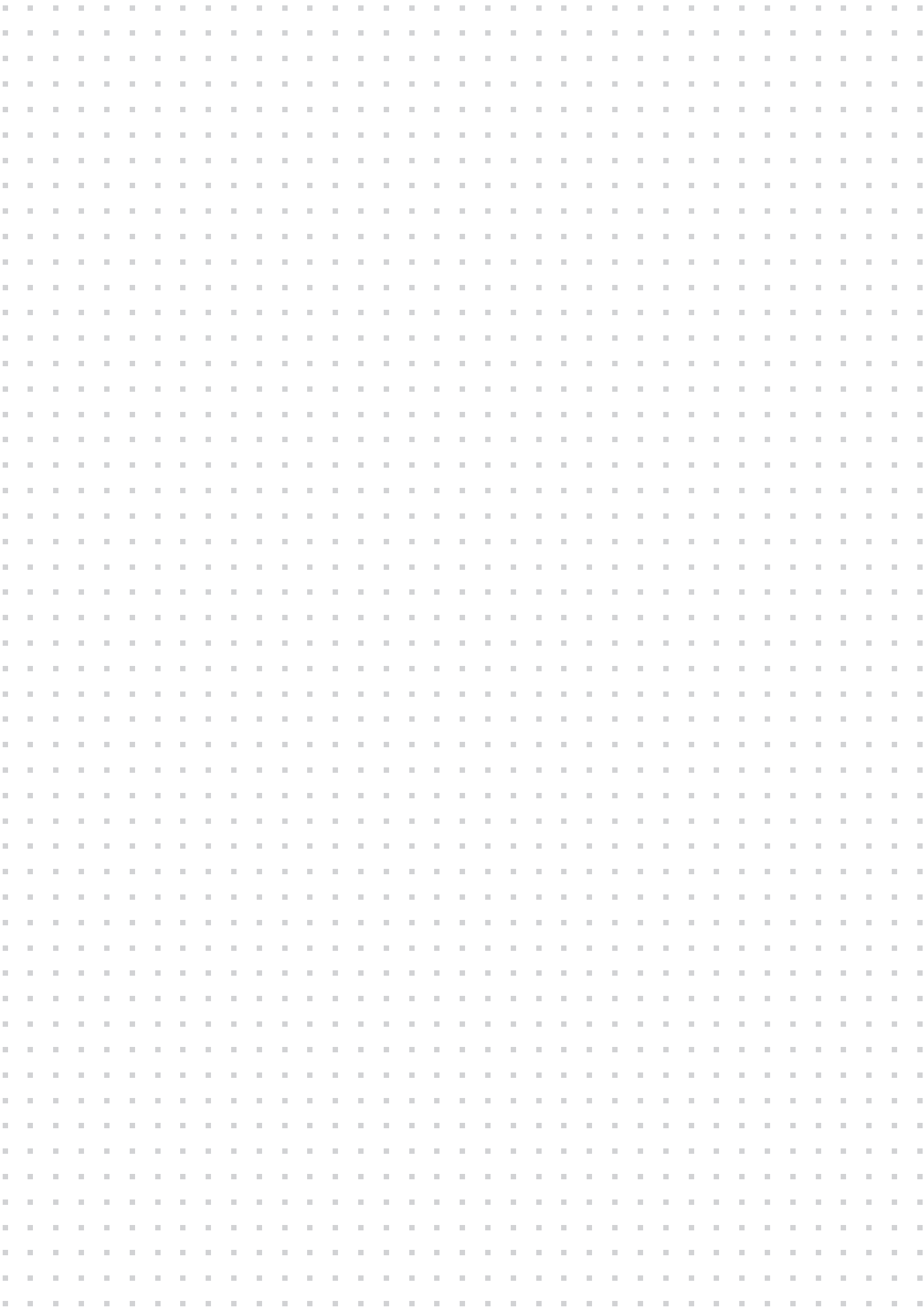
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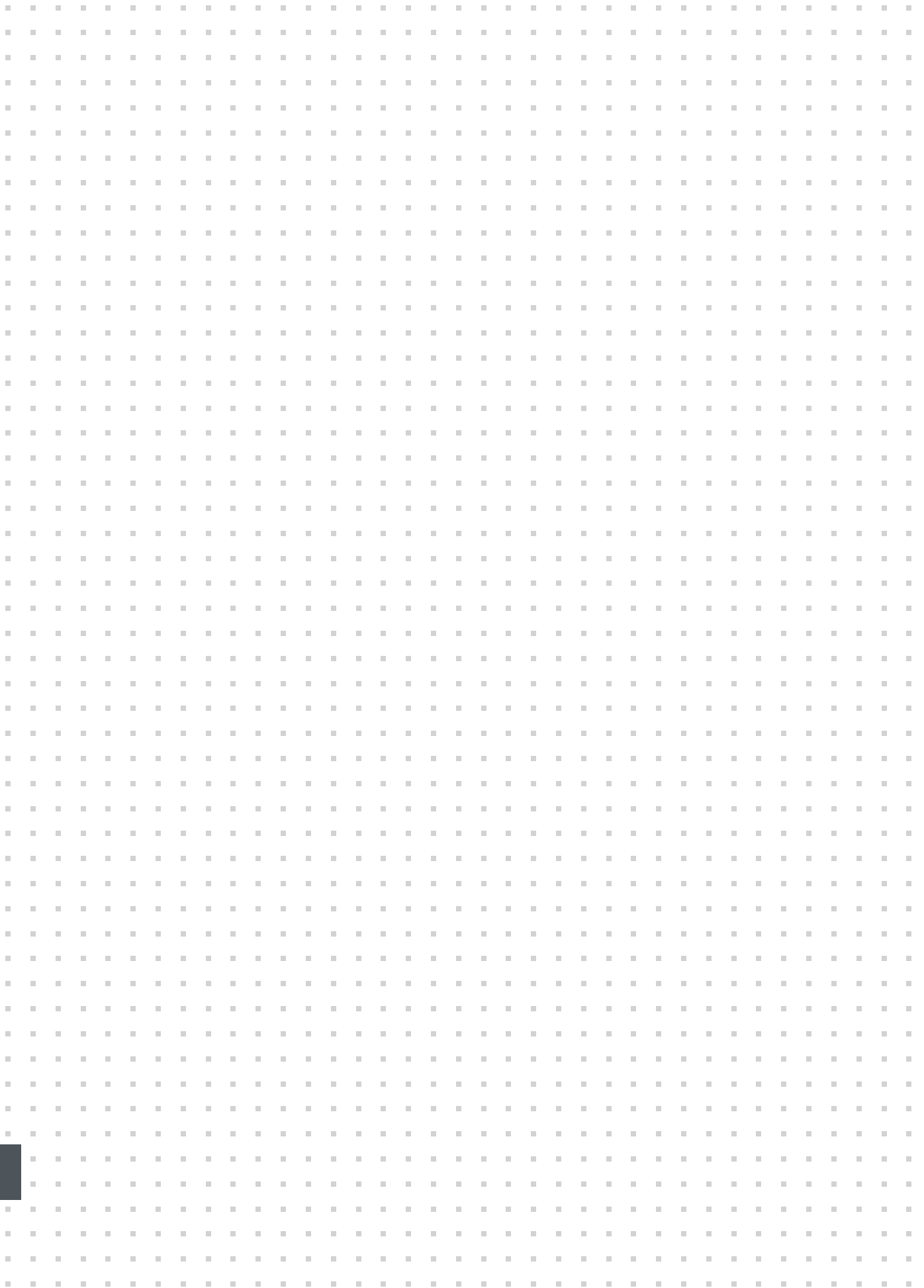

LUDECKE - on the road through Europe

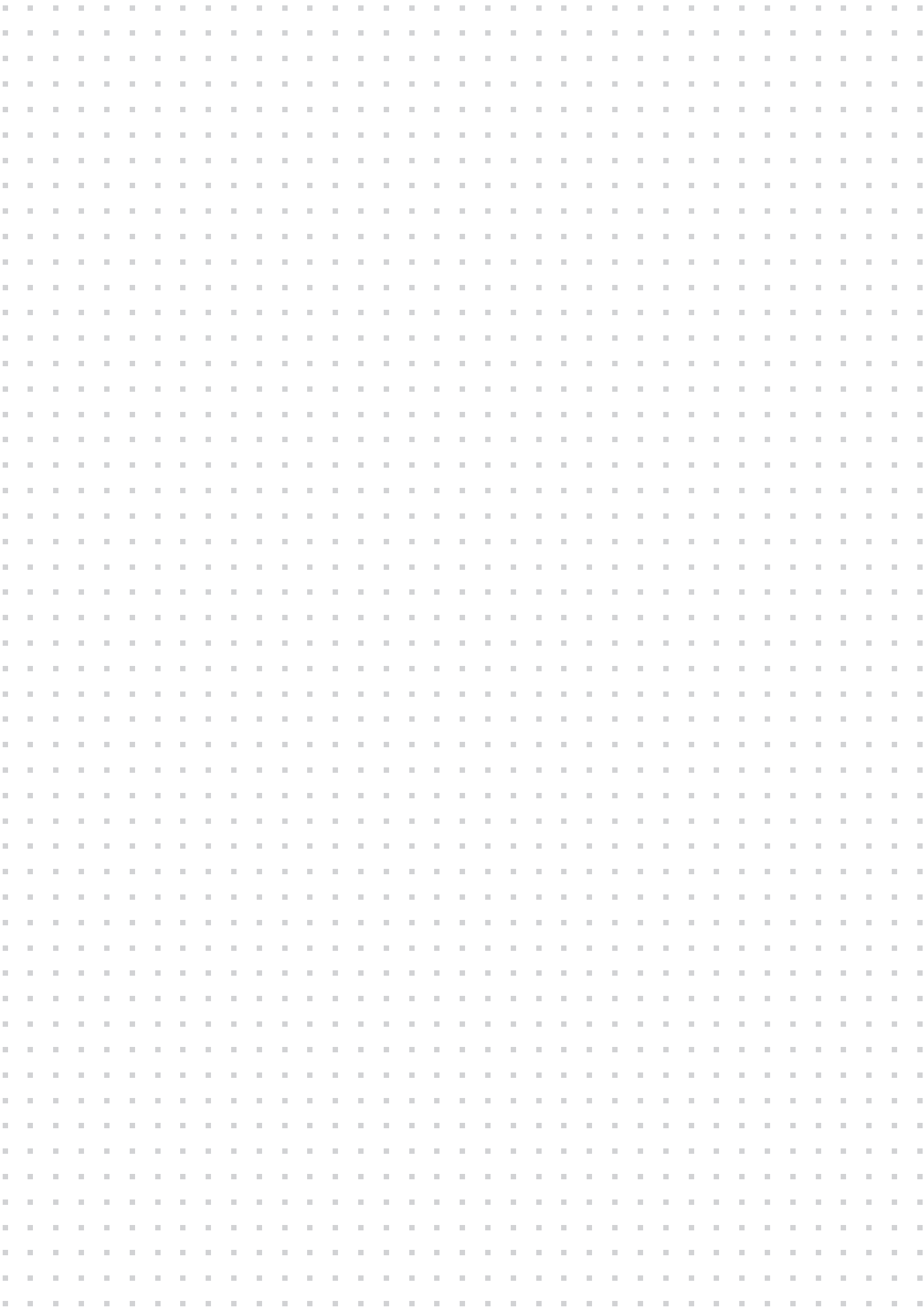
Since the beginning of April 2009 the new **LUDECKE** show truck for the international forwarding company Stahl has been rolling over Europe's main traffic routes and has been drawing the attention on itself everywhere. Designed in airbrush technique by the airbrush world champion Jürgen Fieber from Amberg, the latest generation Volvo truck has become a real feast for the eyes. The truck is also available as a collector model in a limited edition. Furthermore it can be seen in the famous miniature train scenery of the district „Speicherstadt“ in Hamburg and the original will most probably have a live appearance soon on the German television at „Wetten dass?“ („You bet!“).





Notices





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High-Pressure Quick Couplings System Kamlok PN 60 bar

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Notices

