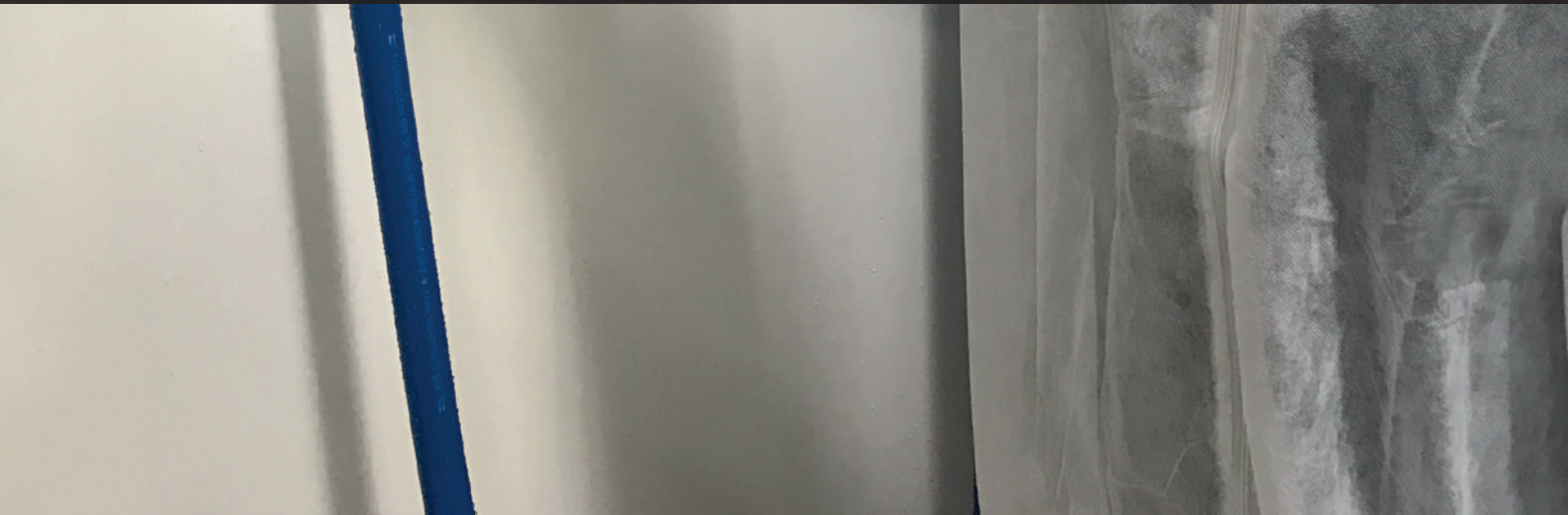




Processing Industry





Quick Connect Couplings



Temperature Regulation Quick Connect Couplings



Quick Connect Couplings and Fittings for Cleaning Applications



Claw Couplings



Chemical and Industrial Fittings



Fittings for Snow Pump Installations



Water Fittings



Hose Clamps and Hose Clips



Clean Connect
by LUDECKE

Snow Master
by LUDECKE

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High Quality Coupling Systems for Applications with Elevated Hygienic Requirements and for Lines with Aggressive Media

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



In applications with specific hygienic standards or in lines with aggressive media (i.e. gaseous, chemicals, pharmaceuticals or varnish products), premium couplings and fittings are required. These products allow a safe and reliable process within the connected system machinery or tool.

The **LUDECKE** product portfolio made of stainless steel 1.4305, 1.4401 and 1.4404 (1.4571 on request), allows the utilization in various applications and markets, such as:

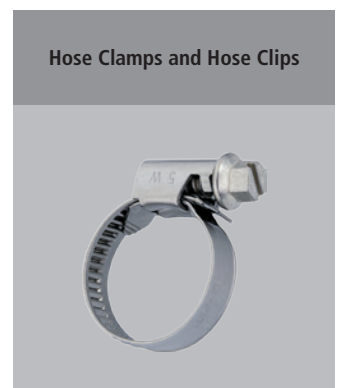
- Pharmaceutical and medical technology
- Chemical technology
- Food & beverage industry
- Temperature regulation and plastics industry
- Clean room applications
- Pneumatic applications
- High quality control, measurement and regulation technology
- Snow making machines
- Machine and plant manufacturing

Especially for high purity surroundings, we offer materials and surfaces which are easy to clean and exempt of notches or grooves.





Wide Selection



A Superior Product Range for the Processing Industry

From the classic claw couplings and quick connect couplings up to high pressure quick couplings - you will find the right product for nearly any application.





Quick Connect Couplings

The Right System for Every Area of Application

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



A service free and efficient connection is the basis for all manufacturing processes.

The Original **LUDECKE** CleanConnect quick connect couplings guarantee an easy and safe connection and disconnection of tools, machines and hoses whilst offering an ultimate sealing performance.

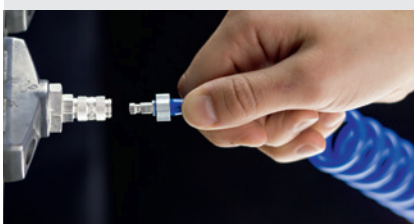
The **LUDECKE** quick connect coupling systems made of stainless steel include a wide range of micro, mini, standard and industrial quick connect couplings. With the **OptiFlow-Line** we also offer a series which is characterized by its high energy efficiency.

Advantages

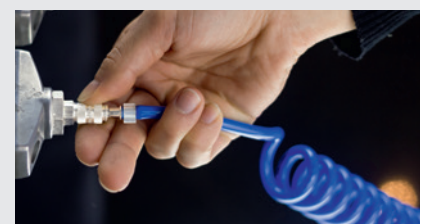
- High-quality materials (Stainless steel 1.4305 or 1.4404)
- Robust, reliable, absolutely tight and durable
- Easy to connect
- Different sizes, connection and valve types as well as surface quality (knurled sleeve / smooth sleeve)
- **OptiFlow-Line**: High energy efficiency because of low pressure drop and efficient valve technology (page 54/ 298)
- **NEW**: Compressed air range for the food industry

Connected in Seconds

All **LUDECKE** quick connect couplings for the processing industry offer the same typical one-hand quick connect coupling function.




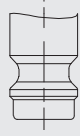
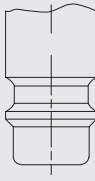
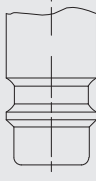
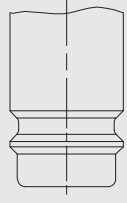
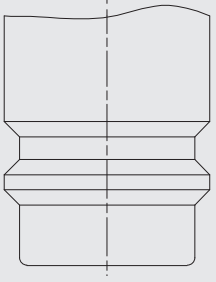




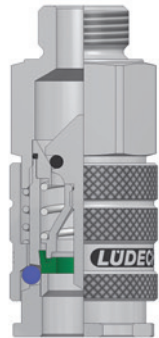







One-hand operation: Push the plug into the coupling and it locks automatically.



To disconnect, slide the sleeve back, whilst the locking mechanism opens automatically and releases the plug.

Overview Quick Connect Couplings made of Stainless Steel

OptiFlow-Line

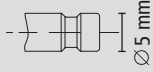
Series	ESMCE DN 2.7*	ESME DN 5*	ESE DN 7.2*	ESIE DN 7.8*	ESIGE DN 10*	ESGE DN 19
Plug Profile (original size)	 Ø 5 mm	 Ø 9 mm	 Ø 12 mm	 Ø 12 mm	 Ø 15 mm	 Ø 27 mm
						
						
Materials:						
Body:	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4404
Sleeve:	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4404
Valve body:	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4404
Valve:	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4404
Springs, Retaining ring:	Stainless Steel 1.4310 Stainless Steel 1.4571	Stainless Steel 1.4310 Stainless Steel 1.4571	Stainless Steel 1.4310 Stainless Steel 1.4571	Stainless Steel 1.4310 Stainless Steel 1.4571	Stainless Steel 1.4310 Stainless Steel 1.4571	Stainless Steel 1.4571
Balls:	Stainless Steel 1.3541 Stainless Steel 1.4404	Stainless Steel 1.3541 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4034 Stainless Steel 1.4404	Stainless Steel 1.4034 Stainless Steel 1.4404	Stainless Steel 1.4404
O-rings:	FKM	FKM	FKM	FKM	FKM	FKM
Special seals for other media on request:	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	EPDM, FFKM	Buna N	EPDM, FFKM
Plug:	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4305 Stainless Steel 1.4404	Stainless Steel 1.4404
Max. Working Pressure:	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar
Temperature**:	-15°C – + 150°C	-15°C – + 200°C	-15°C – + 200°C	-15°C – + 200°C	-15°C – + 150°C	-15°C – + 150°C
Thread Types:	ISO 228/ DIN 13	ISO 22/ DIN 13	ISO 228	ISO 228	ISO 228	ISO 228
Flow Capacity: (Air – 6 bar/ 0.5 bar pressure drop)	165 l/min	510 l/min	1150 l/min	1850 l/min	2150 l/min	8000 l/min
Type of Valve: single shut-off:	single shut-off/	single shut-off/	single shut-off/	single shut-off/	single shut-off/	single shut-off/
Operation: Page:	double shut-off One-hand 284	double shut-off One-hand 289	double shut-off One-hand 294	double shut-off One-hand 298	double shut-off One-hand 300	double shut-off One-hand 302

*This stainless steel serie is available in two versions on request (1.4305 and 1.4404). Therefore, also component materials are different of Springs/Retaining Rings, Balls/Pins as well as plugs
Example: Body, etc.: Stainless Steel 1.4305 → Springs/Retaining ring: Stainless Steel 1.4310 → Balls: Stainless steel 1.3541 → Plugs: 1.4305, but: Body, etc.: Stainless Steel 1.4404 → Springs/Retaining rings:
Stainless Steel 1.4571 → Balls: Stainless steel 1.4404 → Plugs: Stainless steel 1.4404 **Max. Temperature resistance is subject to the suitable media and sealing material

Micro Quick Connect Couplings

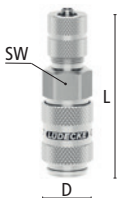
Series ESMCE single shut-off

DN 2.7



Plug Profile (original size)

Clean Connect
by LUDECKE



- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	165 l/min	One-hand	Single shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 A
G 1/8 m	28	11	10.5	7	12	ESMCE 18 A

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 I
G 1/8 f	28	12	10.5	7	14	ESMCE 18 I

Couplings with Hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 T
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 T
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 T

For hose clips type HSE (© page 416)

Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQ
Hose 3x5	34	9	10.5	15	ESMCE 3 TQ
Hose 4x6	34	9	10.5	15	ESMCE 4 TQ

Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSV
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSV
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSV

Couplings with bulkhead screwing

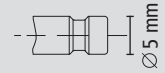
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSV
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSV
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSV

For hose clips type HSE (© page 416)

Micro Quick Connect Couplings

single shut-off Series ESMCE

DN2.7



Plug Profile (original size)

Plugs with male thread

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

Plugs with female thread

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

Plugs with hose stem

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

For hose clips type HSE (☺ page 416)

Plugs with hose squeeze nut

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

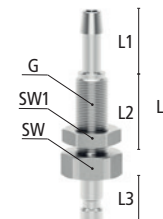
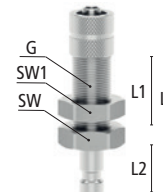
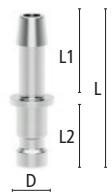
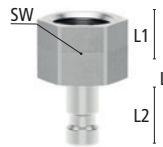
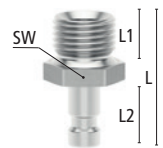
Plugs with hose squeeze nut and bulkhead screwing

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

Plugs with bulkhead screwing

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

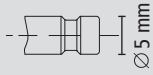
For hose clips type HSE (☺ page 416)



Micro Quick Connect Couplings

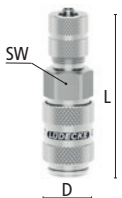
Series ESMCE double shut-off

DN 2.7



Plug Profile (original size)

Clean Connect
by LUDECKE



- High quality one-hand quick connect couplings with smallest dimensions made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid the escape of media when disconnecting. Robust, safe and reliable.
- Attention: Couplings can be connected with straight-through plugs DN 2.7, but shut-off plugs cannot be connected with standard couplings DN 2.7
- Several fields of application, above all for liquid media in pharmacy, medical industry, chemical industry, food & beverage applications, clean-room applications, for high quality measure, control and regulation technique or hygienic requirements
- Maximum working temperature subject to the chosen media and sealing material

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)
- Balls: Stainless steel 1.3541

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	2.7	ISO 228 / DIN 13	150 L/min	One-hand	Double shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 m	26	9	10.5	5	9	ESMCE 5 AAB
G 1/8 m	28	11	10.5	7	12	ESMCE 18 AAB

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
M 5 f	25	9	10.5	5	10	ESMCE 5 IAB
G 1/8 f	28	12	10.5	7	14	ESMCE 18 IAB

Couplings with hose stem

Hose connection	L	D	L1	Weight	Type No.
Hose i.D. 3	34.5	10.5	13	9	ESMCE 3 TAB
Hose i.D. 4	34.5	10.5	13	10	ESMCE 4 TAB
Hose i.D. 5	34.5	10.5	13	10	ESMCE 5 TAB

For hose clips type HSE (© page 416)

Couplings with hose squeeze nut

Hose connection	L	SW	D	Weight	Type No.
Hose 3x4	34	9	10.5	15	ESMCE 34 TQAB
Hose 3x5	34	9	10.5	15	ESMCE 3 TQAB
Hose 4x6	34	9	10.5	15	ESMCE 4 TQAB

Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	G	Weight	Type No.
Hose 3x4	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 34 TQSVAB
Hose 3x5	45	12	10.5	17	11	M 7x0.5 m	26	ESMCE 35 TQSVAB
Hose 4x6	45	12	10.5	17	12	M 8x0.5 m	26	ESMCE 4 TQSVAB

Couplings with bulkhead screwing

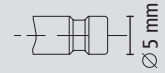
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 3	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 3 TSVAB
Hose i.D. 4	51	12	10.5	13	17	11	M 7x0.5 m	24	ESMCE 4 TSVAB
Hose i.D. 5	51	12	10.5	13	17	12	M 8x0.5 m	24	ESMCE 5 TSVAB

For hose clips type HSE (© page 416)

Micro Quick Connect Couplings

double shut-off Series ESMCE

DN2.7



Plug Profile (original size)

Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 m	28	9	5	10	10	ESMCE 5 NAAB
G 1/8 m	30	11	7	10	12	ESMCE 18 NAAB

Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
M 5 f	26.5	9	5	10	11	ESMCE 5 NIAB
G 1/8 f	30	12	7	10	14	ESMCE 18 NIAB

Plugs with hose stem

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 3	36.5	9	13	10	9	ESMCE 3 SAB
Hose i.D. 4	36.5	9	13	10	10	ESMCE 4 SAB
Hose i.D. 5	36.5	9	13	10	10	ESMCE 5 SAB

For hose clips type HSE (☺ page 416)

Plugs with hose squeeze nut

Hose connection	L	SW	L1	Weight	Type No.
Hose 3x4	36	9	10	10	ESMCE 34 SQAB
Hose 3x5	36	9	10	10	ESMCE 3 SQAB
Hose 4x6	36	9	10	11	ESMCE 4 SQAB

Plugs with hose squeeze nut and bulkhead screwing

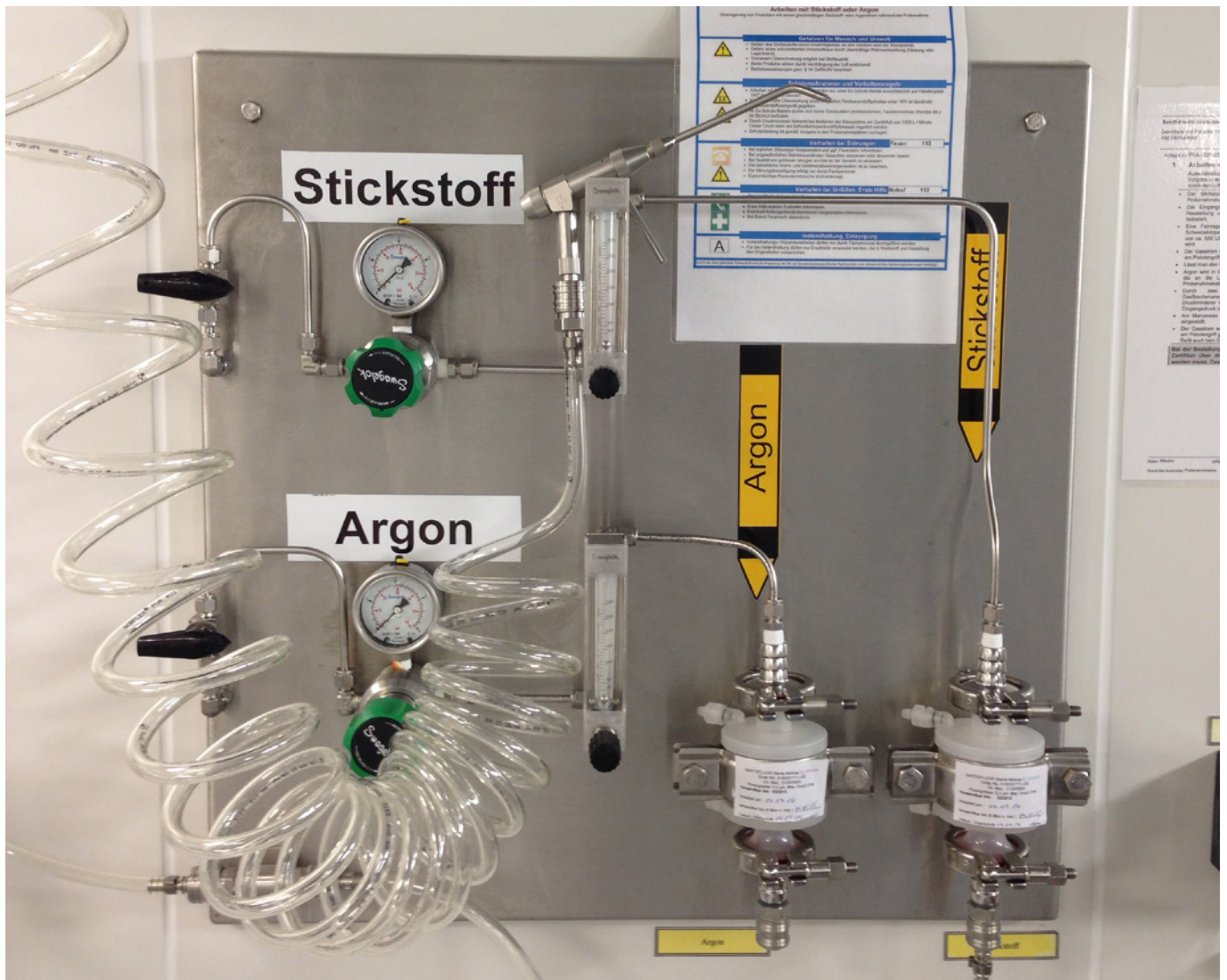
Hose connection	L	SW	L1	L2	SW1	G	Weight	Type No.
Hose 3x4	47	12	17	10	11	M 7x0.5 m	13	ESMCE 34 SQSVAB
Hose 3x5	47	12	17	10	11	M 7x0.5 m	13	ESMCE 35 SQSVAB
Hose 4x6	47	12	17	10	12	M 8x0.5 m	17	ESMCE 4 SQSVAB

Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 3	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 3 SSVAB
Hose i.D. 4	53	12	13	17	10	11	M 7x0.5 m	14	ESMCE 4 SSVAB
Hose i.D. 5	53	12	13	17	10	12	M 8x0.5 m	16	ESMCE 5 SSVAB

For hose clips type HSE (☺ page 416)





Mini Quick Connect Couplings

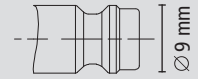
single shut-off Series ESME

- Miniature one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- For the use of compressed air at demanding pureness and hygiene regulations or for applications with most different media (gases, chemicals, lacquers, pharmaceuticals)
- Numerous application sectors for pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade pneumatic applications
- Maximum operation temperature subject to media used and sealing material

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)
- Balls: Stainless steel 1.3541

DN5



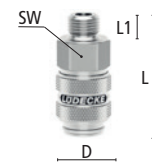
Plug Profile (original size)

Clean Connect
by LUDECKE

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	5	ISO 228 / DIN 13	510 l/min	One-hand	Single shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	36	14	16	7	27	ESME 18 A
G 1/4 m	38	17	16	9	36	ESME 14 A
G 3/8 m	38	19	16	9	42	ESME 38 A
M 12x1.5 m	38	14	16	9	30	ESME 1215 A
M 14x1.5 m	38	17	16	9	38	ESME 1415 A



Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	31	ESME 18 I
G 1/4 f	38	17	16	9	31	ESME 14 I
G 3/8 f	38	19	16	9	43	ESME 38 I
M 12x1.5 f	38	17	16	9	41	ESME 1215 I
M 14x1.5 f	38	17	16	9	38	ESME 1415 I



Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	27	ESME 4 T
Hose i.D. 6	47	14	16	17	28	ESME 6 T
Hose i.D. 8	47	14	16	17	28	ESME 8 T
Hose i.D. 9	47	14	16	17	30	ESME 9 T
Hose i.D. 10	47	14	16	17	30	ESME 10 T



For hose clips type HSE (☺ page 416)

Couplings with hose squeeze nut

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

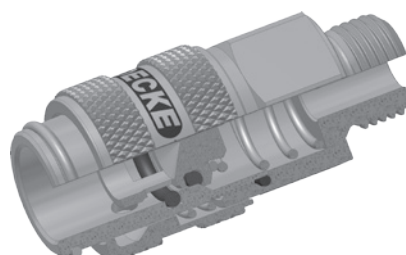


Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	SW2	G	Weight	Type No.
Hose 4x6	54	14	16	18	12	12	M 10x1 m	41	ESME 4 TQSV
Hose 6x8	54	14	16	18	14	14	M 12x1 m	49	ESME 6 TQSV



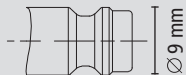
Special versions on request.



Mini Quick Connect Couplings

Series ESME single shut-off

DN5



Plug Profile (original size)



Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 5	60	17	16	17	14	17	M 12x1 m	45	ESME 5 TSV
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESME 6 TSV
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	45	ESME 8 TSV

For hose clips type HSE (☺ page 416)

Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	25	14	7	14	11	ESME 18 NA
G 1/4 m	28	17	9	14	19	ESME 14 NA
G 3/8 m	28	19	9	14	21	ESME 38 NA
M 10x1 m	25	14	7	14	11	ESME 101 NA
M 12x1.5 m	28	17	10	14	17	ESME 1215 NA
M 14x1.5 m	28	17	10	14	20	ESME 1415 NA

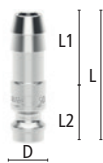
Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	25	14	8	14	14	ESME 18 NI
G 1/4 f	25	17	9	14	15	ESME 14 NI
G 3/8 f	26	19	9	14	19	ESME 38 NI
M 10x1 f	26	14	9	14	18	ESME 101 NI
M 12x1.5 f	27	17	10	14	22	ESME 1215 NI
M 14x1.5 f	27	17	10	14	19	ESME 1415 NI

Plugs with hose stem

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

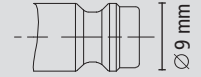
For hose clips type HSE (☺ page 416)



Mini Quick Connect Couplings

single shut-off Series ESME

DN5



Plug Profile (original size)

Plugs with hose squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 4x6	32	12	14	12	17	ESME 4 SQ
Hose 6x8	32	14	14	14	21	ESME 6 SQ

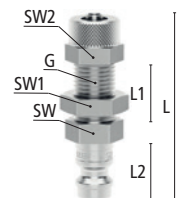
Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	SW2	G	Weight	Type No.
Hose 4x6	44	12	18	14	14	14	M 10x1 m	27	ESME 4 SQSV
Hose 6x8	44	14	18	14	17	14	M 12x1 m	35	ESME 6 SQSV

Plugs with bulkhead screwing

Hose connection	L	SW	L1	L2	L3	SW1	G	Weight	Type No.
Hose i.D. 5	50	14	17	14	14	17	M 12x1 m	28	ESME 5 SSV
Hose i.D. 6	50	14	17	14	14	17	M 12x1 m	28	ESME 6 SSV
Hose i.D. 8	50	14	17	14	14	17	M 12x1 m	28	ESME 8 SSV

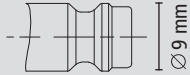
For hose clips type HSE (© page 416)



Mini Quick Connect Couplings

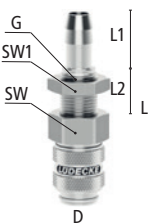
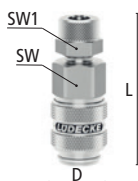
Series ESME double shut-off

DN5



Plug Profile (original size)

Clean Connect
by **LUDECKE**



- Miniature one-hand quick connection couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid leaking of media when disconnecting. Robust, safe and reliable.
- Attention: Couplings can be connected with straight-through plugs DN 5, but valved plugs cannot be connected with standard couplings DN 5
- Numerous application sectors, above all for liquid media in pharmacy, chemistry, food industry, clean-rooms, high-grade control, measuring and regulation technology, at demanding purity and hygiene regulations
- Maximum operation temperature subject to media used and sealing material

Materials

- Body, sleeve, valve body, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	5	ISO 228 / DIN 13	330 l/min	One-hand	Double shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 m	36	14	16	7	28	ESME 18 AAB
G 1/4 m	38	17	16	9	37	ESME 14 AAB
G 3/8 m	38	19	16	9	43	ESME 38 AAB

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/8 f	38	14	16	9	32	ESME 18 IAB
G 1/4 f	38	17	16	9	32	ESME 14 IAB
G 3/8 f	38	19	16	9	44	ESME 38 IAB

Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 4	47	14	16	17	28	ESME 4 TAB
Hose i.D. 6	47	14	16	17	29	ESME 6 TAB
Hose i.D. 8	47	14	16	17	29	ESME 8 TAB
Hose i.D. 9	47	14	16	17	31	ESME 9 TAB
Hose i.D. 10	47	14	16	17	31	ESME 10 TAB

For hose clips type HSE (☺ page 416)

Couplings with hose squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 4x6	43	14	16	12	35	ESME 4 TQAB
Hose 6x8	43	14	16	14	37	ESME 6 TQAB

Couplings with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	D	L1	SW1	SW2	G	Weight	Type No.
Hose 4x6	54	14	16	18	12	12	M 10x1 m	42	ESME 4 TQSVAB
Hose 6x8	54	14	16	18	14	14	M 12x1 m	50	ESME 6 TQSVAB

Couplings with bulkhead screwing

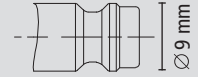
Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No.
Hose i.D. 5	60	17	16	17	14	17	M 12x1 m	46	ESME 5 TSVAB
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	46	ESME 6 TSVAB
Hose i.D. 8	60	17	16	17	14	17	M 12x1 m	47	ESME 8 TSVAB

For hose clips type HSE (☺ page 416)

Mini Quick Connect Couplings

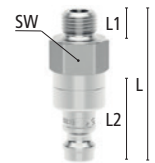
double shut-off Series ESME

DN5



Plug Profile (original size)

Clean Connect
by **LUDECKE**



Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	40	14	7	14	22	ESME 18 NAAB
G 1/4 m	42	17	9	14	31	ESME 14 NAAB
G 3/8 m	42	19	9	14	37	ESME 38 NAAB
M 14x1.5 m	42	17	9	14	33	ESME 1415 NAAB

Plugs with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	42	14	9	14	26	ESME 18 NIAB
G 1/4 f	42	17	9	14	35	ESME 14 NIAB
G 3/8 f	42	19	9	14	37	ESME 38 NIAB
M 10x1 f	42	14	9	14	26	ESME 101 NIAB
M 12x1.5 f	42	17	9	14	36	ESME 1215 NIAB
M 14x1.5 f	42	17	9	14	33	ESME 1415 NIAB

Plugs with hose stem

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 4	50	14	17	14	21	ESME 4 SAB
Hose i.D. 6	50	14	17	14	22	ESME 6 SAB
Hose i.D. 8	50	14	17	14	23	ESME 8 SAB
Hose i.D. 9	50	14	17	14	23	ESME 9 SAB
Hose i.D. 10	50	14	17	14	24	ESME 10 SAB

For hose clips type HSE (© page 416)

Plugs with hose squeeze nut

Hose connection	L	SW	L1	SW1	Weight	Type No.
Hose 4x6	46	14	14	12	29	ESME 4 SQAB
Hose 6x8	46	14	14	14	31	ESME 6 SQAB

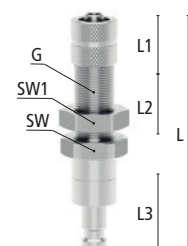
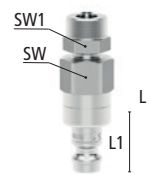
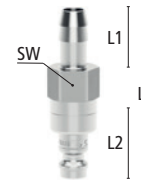
Plugs with hose squeeze nut and bulkhead screwing

Hose connection	L	SW	L1	L2	SW1	SW2	G	Weight	Type No.
Hose 4x6	58	14	18	14	14	12	M 10x1 m	36	ESME 4 SQSVAB
Hose 6x8	58	14	18	14	17	14	M 12x1 m	43	ESME 6 SQSVAB

Plugs with bulkhead screwing

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

For hose clips type HSE (© page 416)



Quick Connect Couplings

Series ESE single shut-off

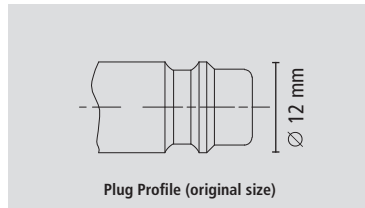
DN 7.2

- Standard one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- For the use of compressed air at demanding pureness and hygiene regulations or for applications with most different media (gases, chemicals, lacquers, pharmaceuticals)
- Numerous application sectors in pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade pneumatic applications
- Maximum operation temperature subject to media used and sealing material

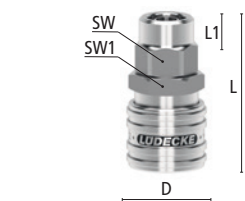
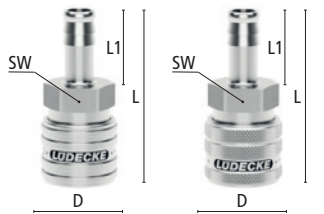
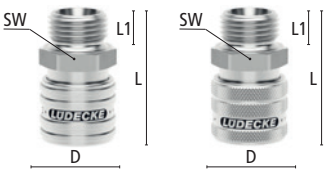
Materials

- Body, sleeve, valve body, valve, pins, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	7.2	ISO 228	1150 l/min	One-hand	single shut-off	different	worldwide	Coupl. 1/ Plug 5



Clean Connect
by **LUDECKE**



Couplings with parallel male thread

Thread connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
G 1/4 m	41	22	27	9	82	ESEG 14 A	ESER 14 A
G 3/8 m	42	22	27	10	82	ESEG 38 A	ESER 38 A
G 1/2 m	44	24	27	12	95	ESEG 12 A	ESER 12 A

Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
G 1/4 f	41.5	22	27	10.5	83	ESEG 14 I	ESER 14 I
G 3/8 f	41.5	22	27	10.5	83	ESEG 38 I	ESER 38 I
G 1/2 f	43	24	27	12	92	ESEG 12 I	ESER 12 I

Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
Hose i.D. 6	56	22	27	25	92	ESEG 6 T	ESER 6 T
Hose i.D. 8	56	22	27	25	92	ESEG 8 T	ESER 8 T
Hose i.D. 9	56	22	27	25	92	ESEG 9 T	ESER 9 T
Hose i.D. 10	56	22	27	25	93	ESEG 10 T	ESER 10 T
Hose i.D. 13	56	22	27	25	95	ESEG 13 T	ESER 13 T

For hose clips type HSE (☺ page 416)

NEW! Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	SW1	Weight	Type No.
Hose 8x12	48	22	27	9.5	17	107	ESEG 812 TQ

O-rings approved for the food industry

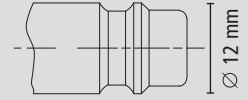
Available either with ergonomically flat sleeve contour to avoid dirt nests for demanding hygiene regulations or with handy knurled sleeve



Quick Connect Couplings

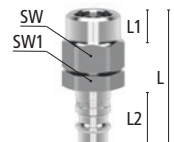
single shut-off Series ESE

DN7.2



Plug Profile (original size)

Clean Connect
by **LUDECKE**



Plug with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	33	17	9	20	22	ESE 14 NA
G 3/8 m	33	19	9	20	25	ESE 38 NA
G 1/2 m	37	24	12	20	45	ESE 12 NA

Plug with female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	32	17	10	20	20	ESE 14 NI
G 3/8 f	32	19	10	20	25	ESE 38 NI
G 1/2 f	35	24	12	20	36	ESE 12 NI

Plug with hose stem

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	46	12	25	20	13	ESE 6 S
Hose i.D. 8	46	12	25	20	15	ESE 8 S
Hose i.D. 9	46	12	25	20	14	ESE 9 S
Hose i.D. 10	46	12	25	20	17	ESE 10 S
Hose i.D. 13	46	12	25	20	24	ESE 13 S

For hose clips type HSE (© page 416)

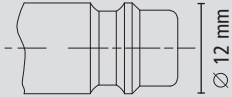
NEW! **Plugs with bulkhead screwing**

Hose connection	L	SW	L1	L2	SW1	Weight	Type No.
Hose 8x12	42	17	9.5	20	19	51	ESE 812 SQ

Quick Connect Couplings

Series ESE double shut-off

DN 7.2



Plug Profile (original size)

Clean Connect
by **LUDECKE**

- Standard one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Double shut-off to avoid leaking of media when disconnecting. Robust, safe and reliable
- Attention: Couplings can be connected with straight-through plugs DN 7.2, but shut-off plugs cannot be connected with standard couplings DN 7.2
- Numerous application sectors, above all for liquid media in pharmacy, chemistry, medical engineering, food industry, clean-rooms, high-grade control, measuring and regulation technology, at demanding pureness and hygiene regulations
- Maximum operation temperature subject to media used sealing material

Materials

- Body, sleeve, valve body, valve, pins, plug: Stainless steel 1.4305
- Springs, retaining rings: Stainless Steel 1.4310
- O-rings: FKM (EPDM or FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +200°C	7.2	ISO 228	660 l/min	One-hand	double shut-off	different	worldwide	Coupl. 1/ Plug 5

Couplings with parallel male thread

Thread connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
G 1/4 m	41	22	27	9	82	ESEG 14 AAB	ESER 14 AAB
G 3/8 m	42	22	27	10	82	ESEG 38 AAB	ESER 38 AAB
G 1/2 m	44	24	27	12	95	ESEG 12 AAB	ESER 12 AAB

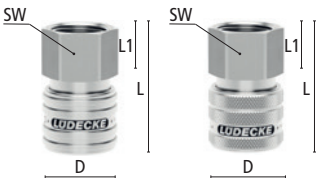
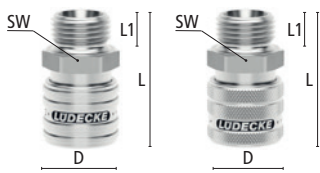
Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
G 1/4 f	41.5	22	27	10.5	83	ESEG 14 IAB	ESER 14 IAB
G 3/8 f	41.5	22	27	10.5	83	ESEG 38 IAB	ESER 38 IAB
G 1/2 f	43	24	27	12	92	ESEG 12 IAB	ESER 12 IAB

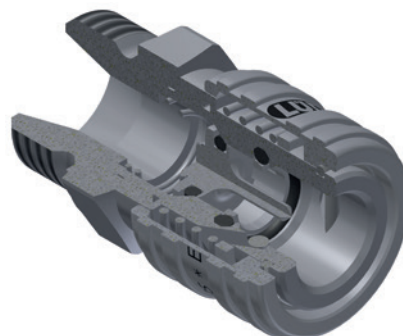
Couplings with hose stem

Hose connection	L	SW	D	L1	Weight	sleeve	
						Type No. flat	Type No. knurled
Hose i.D. 6	56	22	27	25	92	ESEG 6 TAB	ESER 6 TAB
Hose i.D. 8	56	22	27	25	92	ESEG 8 TAB	ESER 8 TAB
Hose i.D. 9	56	22	27	25	92	ESEG 9 TAB	ESER 9 TAB
Hose i.D. 10	56	22	27	25	93	ESEG 10 TAB	ESER 10 TAB
Hose i.D. 13	56	22	27	25	95	ESEG 13 TAB	ESER 13 TAB

For hose clips type HSE (© page 416)



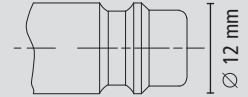
Available either with ergonomically flat sleeve contour to avoid dirt nests for elevated hygiene regulations or with handy knurled sleeve



Quick Connect Couplings

double shut-off Series ESE

DN7.2



Plug Profile (original size)

Clean Connect
by **LUDECKE**



Plugs with parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	43	22	9	20	52	ESE 14 NAAB
G 3/8 m	45	22	10	20	55	ESE 38 NAAB
G 1/2 m	47	24	12	20	62	ESE 12 NAAB

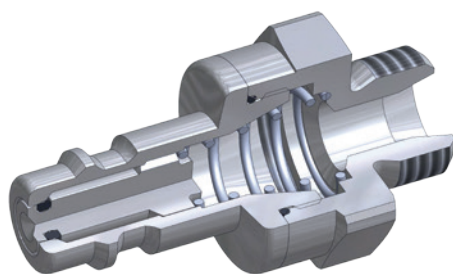
Plugs with parallel female thread

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

Plugs with hose stem

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

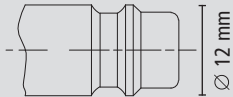
For hose clips type HSE (© page 416)



Industrial Quick Connect Couplings

Series ESIE single shut-off and double shut-off

DN7.8



Plug Profile (original size)

Clean Connect
by **LUDECKE**



- High quality and robust one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- Front body protected by collar design
- High flow rates of low pressure drop due to energy efficient valve design
- Coupling also to be used with shut-off plugs
- To be used in various applications such as fluid medias in motion and control, pharmaceutical, medical, chemical, food and beverage industry, as well as for high purity operations.
- Temperature subject to media and sealing compound

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- O-rings: FKM (EPDM, FFKM on request)

Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-20°C – +200°C	7.8	ISO 228	1850/ 750 l/min	One-hand	single shut-off/ double shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread (valved)

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 m	57.5	19	23.5	9	97	ESIE 14 AAB
G 3/8 m	58.5	19	23.5	10	101	ESIE 38 AAB
G 1/2 m	60.5	24	23.5	12	130	ESIE 12 AAB

Couplings with female thread (valved)

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	57.5	19	23.5	10	106	ESIE 14 IAB
G 3/8 f	57.5	19	23.5	10	100	ESIE 38 IAB
G 1/2 f	59.5	24	23.5	12	133	ESIE 12 IAB

Couplings with hose stem (valved)

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73.5	19	23.5	25	97	ESIE 6 TAB
Hose i.D. 8	73.5	19	23.5	25	98	ESIE 8 TAB
Hose i.D. 9	73.5	19	23.5	25	99	ESIE 9 TAB
Hose i.D. 10	73.5	19	23.5	25	99	ESIE 10 TAB
Hose i.D. 13	73.5	19	23.5	25	101	ESIE 13 TAB

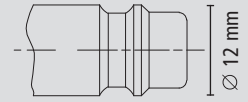
For hose clips type HSE (© page 416)



Industrial Quick Connect Couplings

single shut-off and double shut-off Series ESIE

DN7.8



Plug Profile (original size)

Clean Connect
by LUDECKE



Plugs with male thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	33	17	9	20	22	ESE 14 NA
G 3/8 m	33	19	9	20	25	ESE 38 NA
G 1/2 m	37	24	12	20	45	ESE 12 NA

Plugs with female thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	32	17	10	20	20	ESE 14 NI
G 3/8 f	32	19	10	20	25	ESE 38 NI
G 1/2 f	35	24	12	20	36	ESE 12 NI

Plugs with hose stem (non-valved)

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	46	12	25	20	13	ESE 6 S
Hose i.D. 8	46	12	25	20	15	ESE 8 S
Hose i.D. 9	46	12	25	20	14	ESE 9 S
Hose i.D. 10	46	12	25	20	17	ESE 10 S
Hose i.D. 13	46	12	25	20	24	ESE 13 S

For hose clips type HSE (© page 416)

Plugs with tapered male thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 m	43	22	9	20	52	ESE 14 NAAB
G 3/8 m	45	22	10	20	55	ESE 38 NAAB
G 1/2 m	47	24	12	20	62	ESE 12 NAAB

Plugs with tapered female thread (valved)

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

Plugs with hose stem (valved)

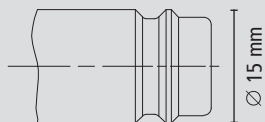
Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 6	54	22	25	20	55	ESE 6 SAB
Hose i.D. 8	54	22	25	20	55	ESE 8 SAB
Hose i.D. 9	54	22	25	20	55	ESE 9 SAB
Hose i.D. 10	54	22	25	20	56	ESE 10 SAB
Hose i.D. 13	54	22	25	20	57	ESE 13 SAB

For hose clips type HSE (© page 416)

Industrial Quick Connect Couplings

Series ESIGE single shut-off and double shut-off

DN 10



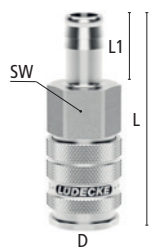
Plug Profile (original size)

- High quality and robust one-hand quick connect couplings made of stainless steel 1.4305 (on request in stainless steel 1.4404)
- High flow rates at low pressure drop due to energy efficient valve design
- Couplings also to be used with shut-off plugs
- Front body protected by collar design
- To be used in various applications such as fluid medias in motion and control, pharmaceutical, medical, chemical, food and beverage industry, as well as for high purity operations
- Temperature subject to media and sealing compound

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- O-rings: FKM (Buna N on request)

Clean Connect
by **LUDECKE**



Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area	
PN 35 bar	-15°C – +150°C	10	ISO 228	2150/ 1020 l/min	One-hand	single/double shut-off	different	Europe	Coupl. 1/ Plug 5

Couplings with male thread (valved)

Thread connection	L	SW	L1	D	Weight	Type No.
G 3/8 m	61.5	24	10	27	144	ESIGE 38 AAB
G 1/2 m	63.5	24	12	27	148	ESIGE 12 AAB
G 3/4 m	67.5	32	16	27	213	ESIGE 34 AAB

Couplings with female thread (valved)

Thread connection	L	SW	L1	D	Weight	Type No.
G 3/8 f	56.5	24	11	27	146	ESIGE 38 IAB
G 1/2 f	56.5	24	12	27	138	ESIGE 12 IAB
G 3/4 f	67.5	32	16	27	213	ESIGE 34 IAB

Couplings with hose stem (valved)

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 9	76.5	24	27	25	145	ESIGE 9 TAB
Hose i.D. 10	76.5	24	27	25	144	ESIGE 10 TAB
Hose i.D. 13	76.5	24	27	25	147	ESIGE 13 TAB
Hose i.D. 16	76.5	24	27	25	149	ESIGE 16 TAB
Hose i.D. 19	76.5	24	27	25	151	ESIGE 19 TAB

For hose clips type HSE (☺ page 416)

Plugs with male thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	35.5	19	9	21	30	ESIGE 38 NA
G 1/2 m	38.5	24	12	21	50	ESIGE 12 NA
G 3/4 m	43	32	16	21	83	ESIGE 34 NA

Plugs with female thread (non-valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 f	36	19	12	21	28	ESIGE 38 NI
G 1/2 f	37	24	12	21	45	ESIGE 12 NI
G 3/4 f	42	32	16	21	92	ESIGE 34 NI

Plugs with hose barb (non-valved)

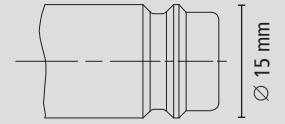
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 9	46.5	15	25	21	21	ESIGE 9 S
Hose i.D. 10	46.5	15	25	21	21	ESIGE 10 S
Hose i.D. 13	46.5	15	25	21	28	ESIGE 13 S
Hose i.D. 16	48	20	25	21	33	ESIGE 16 S
Hose i.D. 19	48	24	25	21	39	ESIGE 19 S

For hose clips type HSE (☺ page 416)

Industrial Quick Connect Couplings

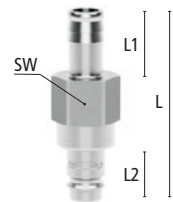
double shut-off Series ESIGE

DN 10



Plug Profile (original size)

Clean Connect
by **LUDECKE**



Plugs with male thread (valved)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 3/8 m	59.5	24	10	21	88	ESIGE 38 NAAB
G 1/2 m	61.5	24	12	21	93	ESIGE 12 NAAB
G 3/4 m	65.5	32	16	21	157	ESIGE 34 NAAB

Plugs with female thread (valved)

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

Plugs with hose stem (valved)

Hose connection	L	SW	L1	L2	Weight	Type No.
Hose i.D. 9	74.5	24	25	21	89	ESIGE 9 SAB
Hose i.D. 10	74.5	24	25	21	88	ESIGE 10 SAB
Hose i.D. 13	74.5	24	25	21	91	ESIGE 13 SAB
Hose i.D. 16	74.5	24	25	21	94	ESIGE 16 SAB
Hose i.D. 19	74.5	24	25	21	95	ESIGE 19 SAB

For hose clips type HSE (© page 416)

Industrial Quick Connect Couplings

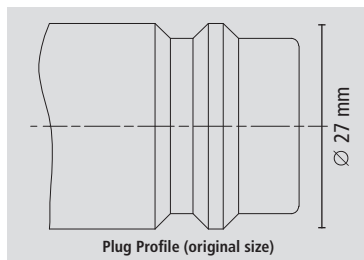
Serie ESGE single shut-off and double shut-off

DN 19

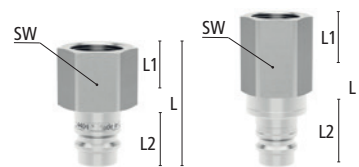
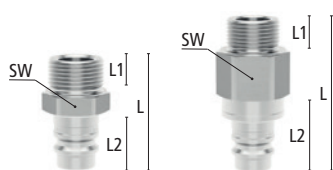
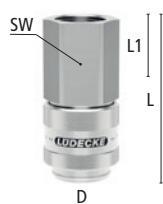
- High quality, robust one-hand quick connect couplings made of stainless steel 1.4404
- High flow rates with low pressure drop due to energy efficient valve design for high volume media flow in connection with connecting function by one-hand operation
- Couplings also to be used with shut-off plug
- To be used in various applications with fluid media, such as compressed air, craftsmanship, high capacity tools and machinery
- According to TA-Luft for industrial production plants

Materials

- Body, sleeve, valve body, valve, balls, plug: Stainless steel 1.4404
- Springs, retaining ring: Stainless steel 1.4571
- O-rings: FKM



Clean Connect
by **LUDECKE**



Max. Working Pressure	Temperature	DN	Thread	Flow Capacity	Operation	Type of Valve	Media	Area
PN 35 bar	-20°C – +150°C	19	ISO 228	8000/ 2600 l/min	One-hand	single-/double shut-off	different	Europe

Coupling with Male thread (valved)

Thread Connection	L	SW	D	L1	⊗	Weight	Type No.
G 3/4 m	95	41	46	16	1	575	ESGE 34 AAB
G 1 m	98	41	46	19	1	606	ESGE 10 AAB
G 1 1/4 m	98	46	46	19	1	695	ESGE 54 AAB

Coupling with female thread (valved)

Thread Connection	L	SW	D	L1	⊗	Weight	Type No.
G 3/4 f	99	41	46	20	1	694	ESGE 34 IAB
G 1 f	99	41	46	21	1	641	ESGE 10 IAB
G 1 1/4 f	104	50	46	22	1	884	ESGE 54 IAB

Coupling with hose stem (valved)

Hose connection	L	D	L1	⊗	Weight	Type No.
Hose i.D. 19	128	46	36	1	613	ESGE 19 TAB
Hose i.D. 25	129	46	48	1	640	ESGE 25 TAB

For hose clips type HSE (⊗ page 416)

Plugs with male thread (non-valved / valved)

Thread connection	L	SW	L1	L2	Type of Valve	⊗	Weight	Type No.
G 3/4 m	60	32	16	34	valved	5	142	ESGE 34 NA
G 1 m	65	36	19	34	valved	5	194	ESGE 10 NA
G 1 1/4 m	68	46	19	34	valved	5	307	ESGE 54 NA
G 3/4 m	92	41	16	34	non-valved	1	372	ESGE 34 NAAB
G 1 m	95	41	19	34	non-valved	1	403	ESGE 10 NAAB
G 1 1/4 m	95	46	19	34	non-valved	1	492	ESGE 54 NAAB

Plugs with female thread (non-valved / valved)

Thread connection	L	SW	L1	L2	Type of Valve	⊗	Weight	Type No.
G 3/4 f	58	32	20	34	valved	5	151	ESGE 34 NI
G 1 f	68	41	24	34	valved	5	297	ESGE 10 NI
G 1 1/4 f	70	50	26	34	valved	5	413	ESGE 54 NI
G 3/4 f	96	41	20	34	non-valved	1	491	ESGE 34 NIAB
G 1 f	96	41	21	34	non-valved	1	438	ESGE 10 NIAB
G 1 1/4 f	101	50	22	34	non-valved	1	681	ESGE 54 NIAB

Plugs with hose stem (non-valved / valved)

Hose connection	L	SW	D	L1	L2	Type of Valve	⊗	Weight	Type No.
Hose i.D. 19	75	-	30	36	34	valved	5	161	ESGE 19 S
Hose i.D. 25	87	-	35	48	34	valved	5	175	ESGE 25 S
Hose i.D. 19	116	41	-	36	34	non-valved	1	410	ESGE 19 SAB
Hose i.D. 25	126	41	-	48	34	non-valved	1	437	ESGE 25 SAB

For hose clips type HSE (⊗ page 416)

MODY CleanConnect Spiral Hoses made of Polyurethane

with Straight Sides for the Food Industry and Pharmacy

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

Food-Safe

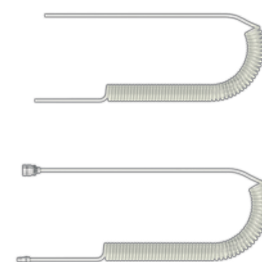
Clean Connect
by **LUDECKE**

Materials

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

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

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



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

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

Compressed air Blow-off Valve made of Stainless Steel

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

Materials

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

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

Clean Connect
by **LUDECKE**



Compressed Air Blow-off Valve made of Stainless Steel

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



Temperature Regulation Quick Connect Couplings



For Safe and Quick Connections in Temperature Regulation Applications



Stainless steel temperature regulation quick connect couplings are ideally used for applications where cold and hot water lines or tempered oils are operated in cleanroom areas or when elevated hygiene regulations are required.

Advantages:

- High-quality stainless steel 1.4305
- Robust, safe and reliable
- Absolutely tight and durable
- Easy to connect (one-hand operation)
- To connect temperature regulation lines for different media (e.g. water, steam, oil)
- Different sizes, connection and valve types
- TempSecure®: patented temperature regulation quick connect coupling system with automatic locking mechanism (effective protection against unintended disconnection under pressure)

Connected in Seconds

The **LUDECKE** quick connect couplings for temperature regulation applications are characterized by their easy handling.



One-hand operation: to connect, simply push the plug into the coupling.



To disconnect, slide the sleeve back (with automatic locking mechanism)



TempSecure®

Visual color coding on the locking sleeve
Stainless steel plain = disconnected



green = connected

Safety without Compromise

The **LUDECKE** TempSecure® temperature regulation quick connect coupling system features an automatic safety locking mechanism that offers an effective solution for unintentional disconnection and unlocking.

The coupling is especially suited for the use with aggressive media, such as temperature regulation applications with hot or cold water as well as tempered oil between - 20°C and + 200°C*. High quality FKM-O-rings make the coupling an ideal media carrier especially with high temperature.

- Automatic locking mechanism
- Visual colour coding
- High temperature resistant
- Simple and intuitive coupling process with forced guidance
- Controlled, manual disconnection
- Different sizes, connection and valve types



*subject to the used media

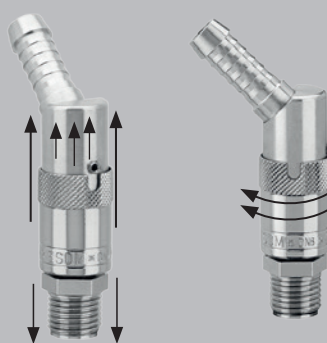
The Unlocking Safeguard

Safety for Man and Machine

The **LUDECKE** temperature regulation product range contains alongside the TempSecure® Series, also a simplified unlocking safeguard.

- Disconnection only possible with an exact engagement of the safety pin into sleeve notch
- Prevention of fluid or pressure loss in the circulation during operation
- Prevention of human injury and harm to the environment, machine and tool

Just add "S" on Type No. (e.g. ESHME 9 TLS)



Colour Coding

Easy to Differentiate

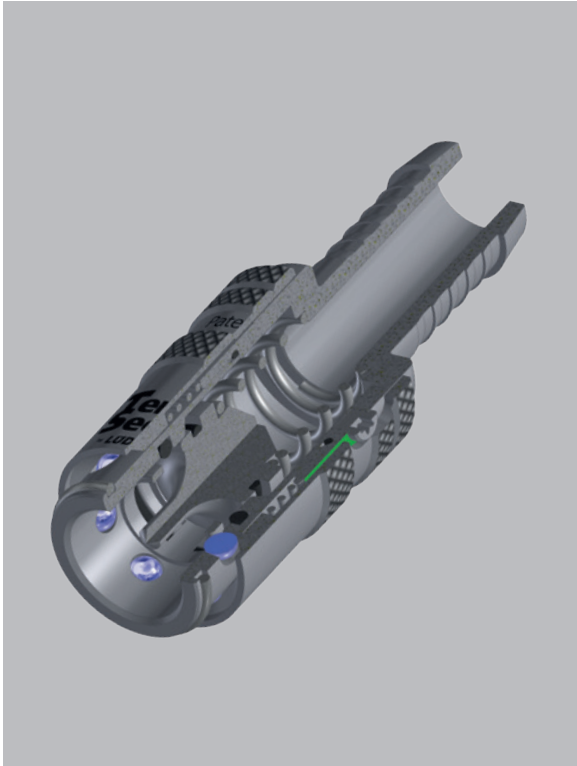
A red or blue anodized aluminium ring for the sleeve can be ordered for easy identification and distinction between flow and return lines of the tempered circuit for the series ESHME and ESHE.

The rings are also individually available for self-assembly. Simply slide the ring on the coupling sleeve for identification!



The new O-Ring-Generation made of FKM

Even more Resistant and Durable



LUDECKE offers especially for temperature regulation applications high-performance seals made of FKM.

Advantages:

- Heat resistant up to 200°C
- High resistance against all common tempered media*
- FKM-O-rings are generally PTFE coated, therefore significantly better gliding properties and minimum wear
- High elasticity (no crack formation) according to DIN 53504
- High abrasion resistance of the O-ring according to DIN 54021
- Prevents bonding of the O-ring and the plug during high temperature application
- Significantly higher operation time of the coupling

Now standard in every coupling

High-Performance Special Seals for Temperature Regulation Quick Connect Couplings

High Resistance for Extreme Exposure

For the temperature regulation quick connect coupling series ESHME and ESH new high-performance special seals are alternatively offered for highly aggressive tempered fluids.

FKM-O-Ring

- Extreme heat resistance up to 200°C continual temperature*
- High resistance against synthetic oils used as tempered media
- Very good chemical resistance and high resistance against aliphatic hydrocarbons (fuels)
- Steam/hot water optimized
- For easy differentiation, the coupling sleeve is marked with a green anodized aluminium ring

When ordering, simply add to the standard Type No. "HV" (e.g. ESHME 9 TLABHV)

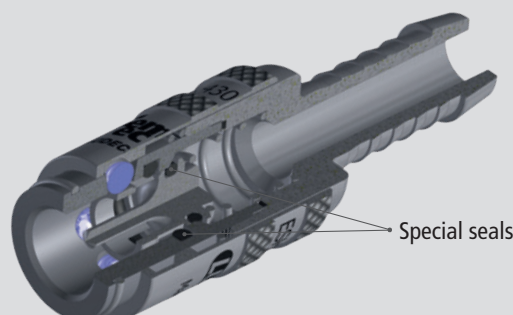
HITEC®-EPDM-O-Ring

- Extreme heat resistance up to 160°C continual temperature
- High resistance against hot water, ultrapure water and steam used as tempered media
- Aging and weather resistant
- Possesses a KTW certification for drinking water in Germany
- For easy differentiation the coupling sleeve is marked with a black anodized aluminium ring
- **Caution: This ring is not resistant to oils or grease**

When ordering, simply add to the standard Type No. "HE" (e.g. ESHM 9 TLABHE).

Minimum Order of 20 Pieces/ Type

For other coupling series on request!



*temperature resistance is subject to the suitable media

Overview Temperature Regulation Quick Connect Couplings of Stainless Steel

Temp Secure
by LUDECKE

Temp Secure
by LUDECKE

Series

ESHME
DN 6

NEW!

ESHMTE
DN 6

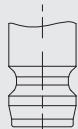
ESHE
DN 9

NEW!

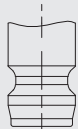
ESHTe
DN 9

Manifolds for
Temperature Regulation
Lines

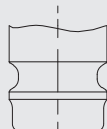
Plug Profile
(original size)



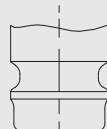
∅ 9 mm



∅ 9 mm



∅ 13 mm



∅ 13 mm



Materials:

Body:	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
Sleeve:	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
Valve body:	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
Valve:	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
Springs, retaining rings:	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310
Balls:	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034
O-rings:	FKM (PFTE coated)	Special-Hitec-FKM-O-Ring	FKM (PFTE coated)	Special-Hitec-FKM-O-Ring
Special seals for other media on request:	FFKM	EPDM, FFKM	FFKM	EPDM, FFKM
Plug:	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305	Stainless Steel 1.4305
Max. Working Pressure:	PN 15 bar	PN 15 bar	PN 15 bar	PN 15 bar
Temperature*:	-20°C – + 200°C	-20°C – + 200°C	-20°C – + 200°C	-20°C – + 200°C
Thread Types:	ISO 228/ DIN 13	ISO 228/ DIN 13	ISO 228/ DIN 13	ISO 228/ DIN 13
Flow capacity: single shut-off:	Kv = 0.72	Kv = 0.72	Kv = 1.8	Kv = 1.8
Version:	straight/45°/90°	straight/45°/90°	straight/45°/90°	straight/45°/90°
Type of Valve:	single shut-off/ double shut-off/ straight-through	single shut-off/ double shut-off/ straight-through	single shut-off/ double shut-off/ straight-through	single shut-off/ double shut-off/ straight-through
Operation:	One-hand	One-hand	One-hand	One-hand
Page:	308	310	311	313

Material:	Stainless Steel 1.4401
Max. Working Press.:	PN 15 bar
Temperature:	-20°C – + 200°C
Thread connections:	ISO 228
Page:	314

*subject to the suitable media (Oil: 200°C, Water: 150°C, Air: 200°C)

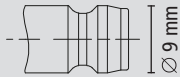
Temperature Regulation Quick Connect Couplings

Series ESHME plug size 9 mm - Stainless Steel 1.4305

- For temperature regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining rings: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)



Plug Profile (original size)

European Plug Profile



Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	53	17	22.5	9	6	45	ESHME 9 TL	ESHME 9 TLAB

Couplings with 45° standard hose stem without/with valve

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

Couplings with 90° standard hose stem without/with valve

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

Couplings with thread connection

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	48	17	17	9	9	6	60	ESHME 14 A	ESHME 14 AAB
M 14x1.5 m	48	17	17	9	9	6	60	ESHME 1415 A	ESHME 1415 AAB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	65	ESHME 14 A-45	ESHME 14 A-45AB
M 14x1.5 m	47	16	17	9	9	6	65	ESHME 1415 A-45	ESHME1415A-45AB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	47	16	17	9	9	6	75	ESHME 14 A-90	ESHME 14 A-90AB
M 14x1.5 m	47	16	17	9	9	6	75	ESHME 1415 A-90	ESHME1415A-90AB

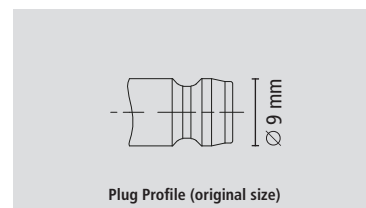
Safe connection of individual coupling parts due to special glue and additional FKM-O-ring sealing.

Other types / sizes on request!

Suitable hose clips (☺ page 416), double-ear hose clips (☺ page 414) or crimping ferrules for standard hoses (☺ page 418)

Temperature Regulation Quick Connect Couplings

plug size 9 mm - Stainless Steel 1.4305 Series ESHME



Plugs

Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 9	39.5	12	22.5	14	9	6	13	ESHME 9 SL



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

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



Plugs with straight male thread with valve

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



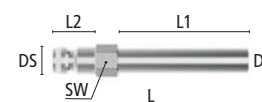
Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 - DN 6	34	12	14	14	9	9	6	15	ESHME-ESHME
DN 6 - DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE



Plug Tubes for countersunk mould threads

D	L	SW	L1	L2	DS	Passage	Weight	Type No.
8	63	9	42	14	9	6	14	ESHME 63 R
8	100	9	79	14	9	6	20	ESHME 100 R
10	120	11	99	14	9	6	49	ESHME 120 R

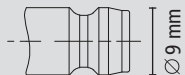


NEW!

Temperature Regulation Quick Connect Couplings

Series ESHMTE plug size 9 mm – Stainless Steel with Automatic Locking Mechanism

DN6



Plug Profile (original size)

Temp Secure
by **LUDECKE**



European Plug Profile



- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as oil tempered i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, sleeve, valve body, valve, plug: stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	6	ISO 228/ DIN 13	One-hand	single/double/straight-thr.	Tempered media	5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61	18	22.5	9	6	54	ESHMTE 9 TL	ESHMTE 9 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	54	18	22.5	9	6	79	ESHMTE 9 TL45	ESHMTE 9 TL45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	56	18	22.5	9	6	88	ESHMTE 9 TL90	ESHMTE 9 TL90AB

Couplings with male threads

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56.5	17	18	11	9	6	67	ESHMTE14AL	ESHMTE14ALAB
M 14x1.5 m	56.5	17	18	11	9	6	68	ESHMTE1415AL	ESHMTE1415ALAB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	52	17	18	11	9	6	83	ESHMTE14AL45	ESHMTE14AL45AB
M 14x1.5 m	52	17	18	11	9	6	84	ESHMTE1415AL45	ESHMTE1415AL45AB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 m	56	17	18	11	9	6	92	ESHMTE14AL90	ESHMTE14AL90AB
M 14x1.5 m	56	17	18	11	9	6	93	ESHMTE1415AL90	ESHMTE1415AL90AB

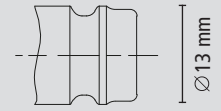
other types / sizes on request!

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel 1.4305 Series ESHE

- For temperature regulation applications with hot or cold water as well as oil tempered i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- All couplings available with disconnect-protection with a surcharge. Just add "S" on Type No.

DN9



Plug Profile (original size)

Materials

- Body, sleeve, valve body, valve, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: FKM (PTFE-coated)

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C	9	ISO 228 / DIN 13	One-hand	single/double/straight-thr.	Tempered media	Coupl. 1 / Plug 5

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

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

Couplings with 45° standard hose stem without/with valve

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

Couplings with 90° standard hose stem without/with valve

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

Couplings with thread connection

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	52	22	22	9	13	9	94	ESHE 38 A	ESHE 38 AAB
M 16x1.5 m	52	22	22	9	13	9	93	ESHE 1615 A	ESHE 1615 AAB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	114	ESHE 38 A-45	ESHE 38 A-45AB
M 16x1.5 m	54	19	22	9	13	9	114	ESHE 1615 A-45	ESHE 1615 A-45AB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	54	19	22	9	13	9	126	ESHE 38 A-90	ESHE 38 A-90AB
M 16x1.5 m	54	19	22	9	13	9	126	ESHE 1615 A-90	ESHE 1615 A-90AB

Couplings with straight female thread without/ with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 1/4 f	44.5	17	22	9	13	9	102	ESHE 14 I	ESHE 14 IAB
G 3/8 f	46	22	22	9	13	9	104	ESHE 38 I	ESHE 38 IAB

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

Other types / sizes on request!

Suitable hose clips (☺ page 416), double-ear hose clips (☺ page 414) or crimping ferrules for standard hoses (☺ page 418)

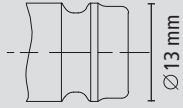
European Plug Profile



Temperature Regulation Quick Connect Couplings

Series ESHE plug size 13 mm – stainless steel 1.4305

DN9



Plug Profile (original size)



Plugs

Plugs with standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 13	39.5	16	25	14	13	9	25	ESHE 13 SL

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

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	26	15	9	14	13	9	17	ESHE 14 NA
G 3/8 m	26	17	9	14	13	9	22	ESHE 38 NA
G 1/2 m	31	22	12	14	13	9	22	ESHE 12 NA
M 14x1.5 m	26	15	9	14	13	9	16	ESHE 1415 NA
M 16x1.5 m	26	17	9	14	13	9	20	ESHE 1615 NA



Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
G 1/4 m	30	15	11	14	13	9	21	ESHE 14 NAAB
G 3/8 m	29	17	12	14	13	9	23.5	ESHE 38 NAAB
M 16x1.5 m	29	17	12	14	13	9	23	ESHE 1615 NAAB



Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 6 – DN 9	34	14	14	14	9	13	6	19	ESHME-ESHE
DN 9 – DN 9	34	14	14	14	13	13	9	25	ESHE-ESHE



Plug Tubes for countersunk mould threads

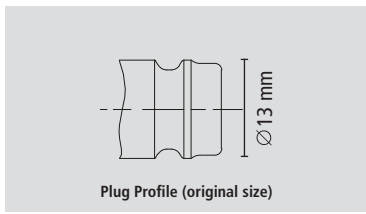
D	L	SW	L1	L2	DS	Passage	Weight	Type No.
14	150	15	127	14	13	9	109	ESHE 150 R



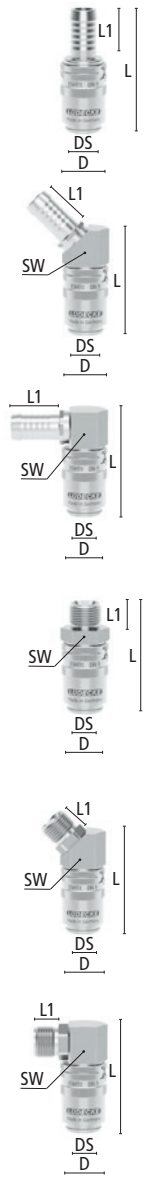
Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel with Automatic Locking Mechanism Series ESHT

DN9



European Plug Profile



- Forced guidance design with visual colour coding at the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of stainless steel
- For Temperature Regulation applications with hot or cold water as well as tempered oil i.e. in clean-room production
- Optional with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

Materials

- Body, locking sleeve, valve body, valve, plug: Stainless steel 1.4305
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-Rings: Special-Hitec-FKM-O-ring

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

Couplings with hose connection

Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	63	23.5	25	13	9	77	ESHTE 13 TL	ESHTE 13 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL45	ESHTE 13 TL45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHTE 13 TL90	ESHTE 13 TL90AB

Couplings with male thread

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	56	22	23.5	12.5	13	9	95	ESHTE38AL	ESHTE38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	94	ESHTE1615AL	ESHTE1615ALAB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL45	ESHTE38AL45AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL45	ESHTE1615AL45AB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHTE38AL90	ESHTE38AL90AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHTE1615AL90	ESHTE1615AL90AB

Other sizes on request

*depends on media (Oil: 200°C, Water: 160°C, Air: 200°C)

Manifolds for Temperature Regulation Lines

of Stainless Steel 1.4401

- For a clearly arranged composition of flow and reflux as close as possible to the mould tool, for a direct assembly to the machine
- Increases the working and production safety through its clearly arranged composition of temperature regulation lines, saves energy and hose lines because of central inlet of the temperature regulation media into the machine
- A central inflow from and outflow to the temperature regulation tool, as many outlets as necessary to the mould tool because of the modular construction and different lengths
- Profile can be extended or combined as often as desired due to the bar connector system
- Stainless steel manifolds mainly for applications with aggressive media
- Lateral inlet thread G 3/4 f, top outlet thread 1/4 f for coupling Series DN 6 and DN 9
- Other types / measures on demand!

Materials:

- Manifold: Stainless Steel 1.4401
- Blank End Plug: Brass MS 58

Max. Working Pressure	Temperature	Thread	Media	
PN 15 bar	-20°C – +200°C	ISO 228	Tempered media	1

Manifold made of Stainless Steel 1.4401

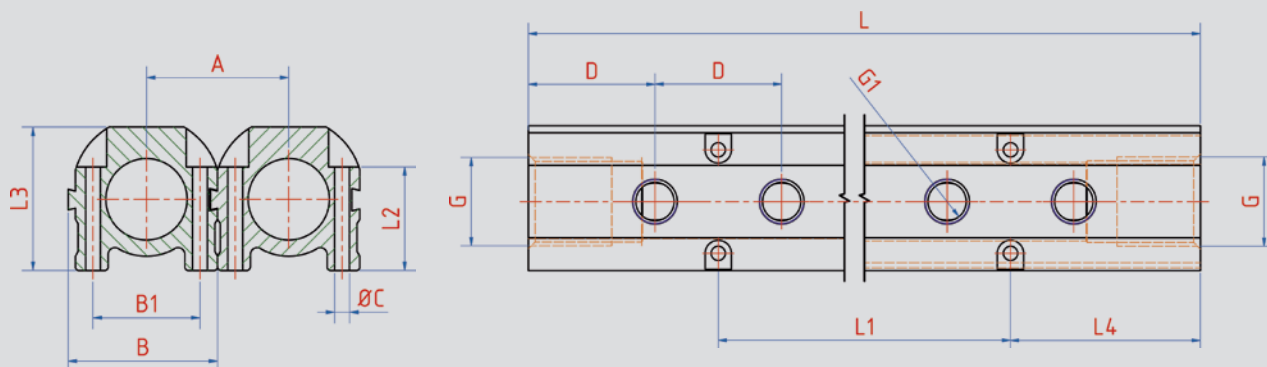
G*	G1**	L	B	L1	L2	L3	L4	ØC	A	D	B1	Weight	Type No.
2 x G 3/4 f	4 x G 1/4 f	190	43.5	75.6	30	41.5	57.2	4.5	41.3	38	31	1490	VBE 34144-190

Blank End Plug for Manifolds

Thread connection	Inner Hexagon		Weight	Type No.
G 3/4 m	SW 12	5	80	VBS-34

*Thread connection on the side

**Thread connection on the top

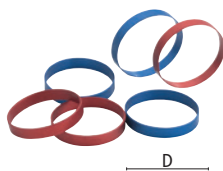


Colour Coding

- Easy identification and distinction between flow and return lines of the tempered circuit with red or blue anodised colour coding (for the series ESHME and ESHE)
- Surcharge per piece and a minimum order quantity of 20 pieces/type. When ordering, simply add to a standard article number "R" or "B" (e.g. ESHE 13 TLR or ESHME 9 TALBB)
- The rings are also available for self-assembly. Simply slide the ring on the coupling sleeve for identification!

Materials

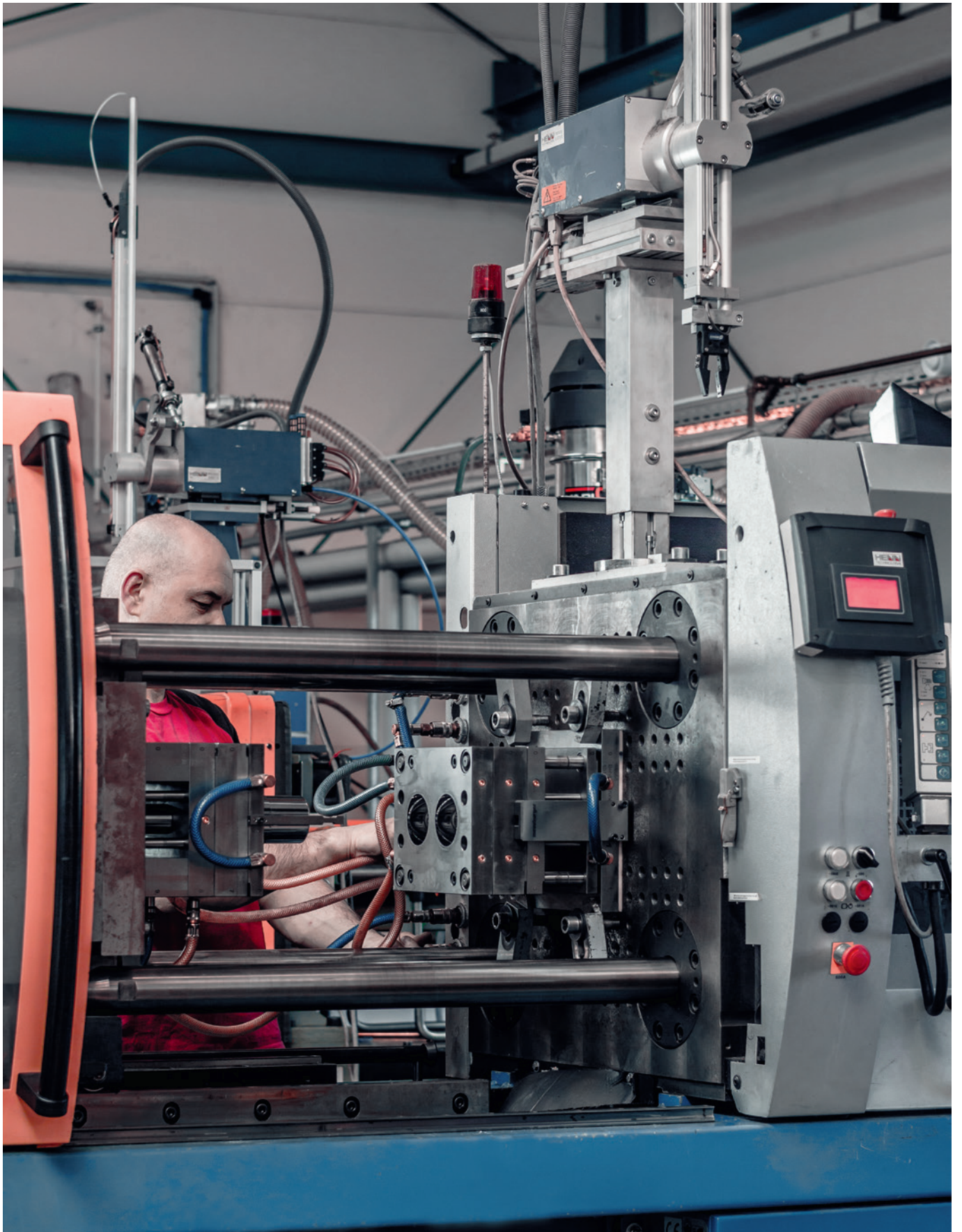
- Colour coding: Aluminium anodised



Marking rings for temperature regulation couplings

for coupling type	D	Colour		Weight	Type No.
ESHME (DN 6)	17	red	50	1	ESHM-CR-R
ESHME (DN 6)	17	blue	50	1	ESHM-CR-B
ESHE (DN 9)	22	red	50	2	ESH-CR-R
ESHE (DN 9)	22	blue	50	2	ESH-CR-B

Other coupling series available on request.





Quick Connect Couplings and Fittings for Cleaning Applications Innovative Systems for Efficient Working



For food processors, hygiene has first priority. Therefore, working surfaces, machines and premises need to be cleaned very often.

The used devices must meet high requirements due to rough operating conditions, cleaning agents and the strict hygiene guidelines.

LUDECKE offers a high quality system adapted to these special requirements. It consists of different fittings (screwing/ quick connect coupling system*) which will be especially adapted to the hoses used for cleaning applications.

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

DVGW
approval
pending

Easy & Efficient

- Ergonomic design for an optimum ease of use
- Easy handling
- High flow rate due to maximum bore

Safe

- Extremely robust, secure and reliable
- High sealing characteristic and durable (ensures high operation times)
- Permanent and leakage-free hose assembly
- No risk of injury due to unsuitable assembly

Hygienic

- Completely made of stainless steel
- High corrosion resistance
- Hygienic smooth surfaces as well as free and clean passage to prevent dirt accumulation
- O-rings which are especially approved for the food industry (VO 1935/2004)

*this hose unit has been developed together with Altmann Industrietechnik



Fittings for Preliminary Cleaning

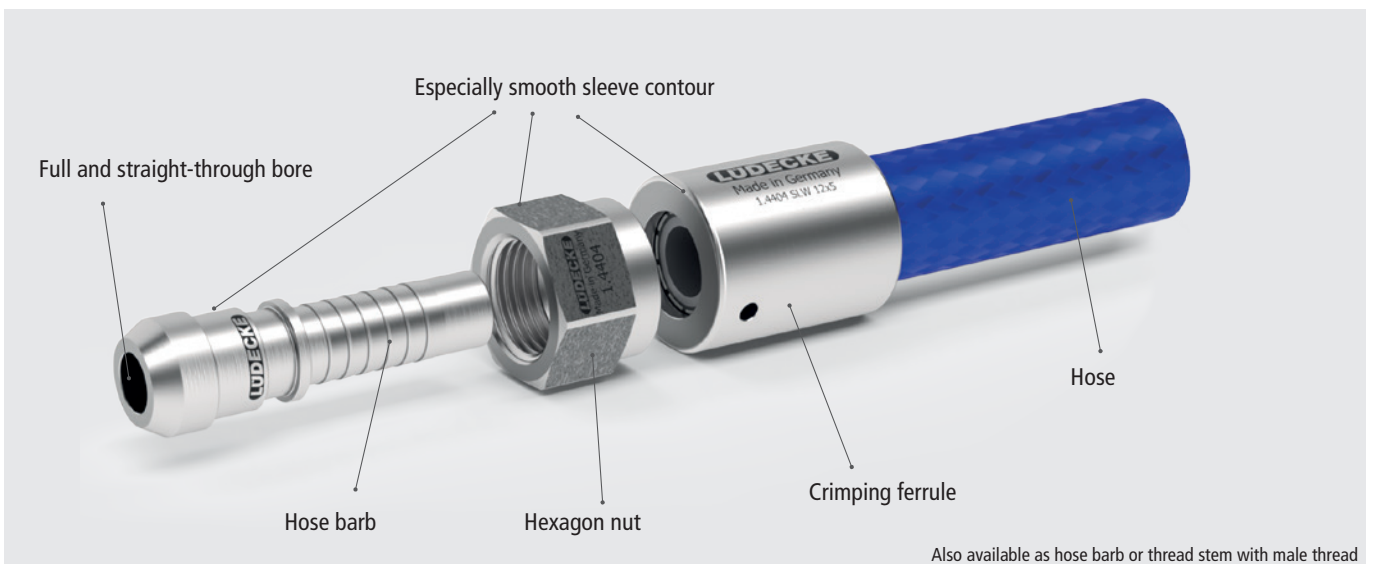


The **LUDECKE** CleanConnect fitting is outstandingly suitable for the use of cleaning agents and high water pressure. It's a high quality and robust fitting for a safe hose assembly.

- High quality hose fitting made of stainless steel 1.4404
- Permanent assembly by hose crimping or re-usable hose squeeze nut
- Full and straight-through passage
- For applications with aggressive cleaning agents (e.g. for the preliminary cleaning)
- For a working pressure of 40 bar as well as operating temperatures up to 150°C

Quality in Every Component

We recommend for the hose fitting a suitable hose, which meets the high requirements of the food industry. To offer you a perfect solution (subject to application) we advise a conversation with our competent sales and technical team.



Also available as hose barb or thread stem with male thread



Flexible Quick Connect Coupling System for Rinsing with Water

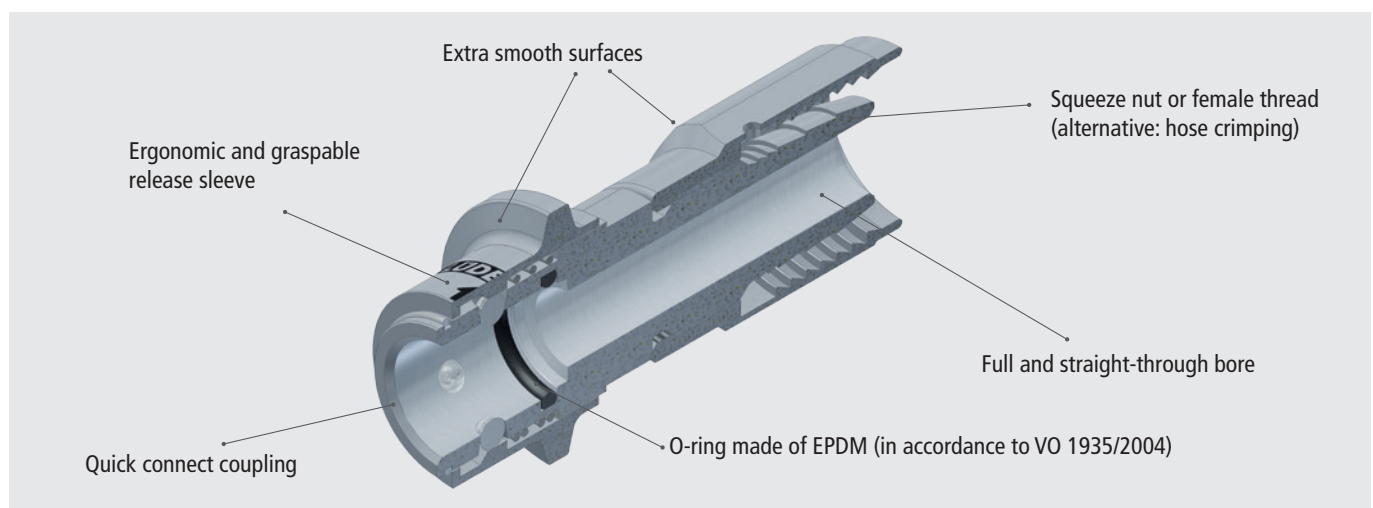


The **LUDECKE** CleanConnect quick connect coupling system is used for applications which require high flexibility (e.g. for rinsing with water). The quick connect coupling contains O-rings which are especially approved for the food industry (VO 1935/2004) and is so designed that it still remains graspable when the surface is wet or when wearing heavy gloves.

- High quality quick connect coupling system of stainless steel 1.4404
- Different connection types (re-usable squeeze nut, permanent hose crimping, female and male threads)
- Full and straight-through bore
- Fast and easy coupling or decoupling
- O-rings in accordance to VO 1935/2004
- For an operating pressure up to 40 bar (subject to temperature and assembly) and operating temperatures up to 140°C

First-Class Materials

We recommend for the quick connect coupling system, a suitable hose, which meets the high requirements of the food industry. To offer you a perfect solution (subject to application) we advise a conversation with our competent sales and technical team.





Simple - Hygienic - Fast



The CleanConnect quick connect coupling is characterized by an especially easy coupling process.

Connect (two-hand operation):



To connect, push the locking sleeve in direction of the hose connection. Press the plug coaxially up to the stop in the coupling. Afterwards the locking sleeve can be released - it locks automatically without support in direction of the plug.

Disconnect:

To disconnect, grasp the plug firmly with one hand. With the other hand push the locking sleeve in direction of the hose connection and separate the connection. The plug can be pulled out of the coupling. The locking sleeve slips automatically back to the starting position.



Overview Quick Connect Couplings / Fittings for Cleaning Applications

	Fittings		Quick Connect Couplings
			
Series / nominal diameter:		Series / nominal diameter:	ESLGE DN 13
Hose barb:	Stainless Steel 1.4404	Body:	Stainless Steel 1.4404
Hexagon nut:	Stainless Steel 1.4404	Sleeve:	Stainless Steel 1.4404
Crimping ferrule:	Stainless Steel 1.4404	Springs, retaining ring:	Stainless Steel 1.4571
Max. Working Pressure:	PN 40 bar*	Balls:	Stainless Steel 1.4401
Temperature:	up to +150°C	O-rings:	EPDM
Thread Types:	ISO 228	Special seals on request:	FKM
Type of Valve:	Straight-through	Plug:	Stainless Steel 1.4404
Page:	320	Max. Working Pressure:	PN 40 bar*
		Temperature:	up to + 140°C
		Thread Types:	ISO 228
		Type of Valve:	Straight-through
		Operation:	Two-hands
		Page:	321

*Subject to temperature, assembly and hose

NEW!

Fittings for Cleaning Applications

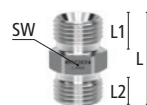
made of Stainless Steel 1.4404



- High-quality hose fitting of stainless steel 1.4404
- Hose fitting for hose crimping consisting of: hose barb with 60° sealing cone and hexagon nut or hose barb with male thread and 60° sealing cone and crimping ferrule
- High pressure and temperature capabilities, absolutely tight and durable
- Hygienic smooth surfaces as well as free and clean passage to prevent dirt accumulation
- For cleaning applications in the food industry (e.g. for application with aggressive cleaning agents), etc.

Materials

- Hose barb, hexagon nut, crimping ferrule, thread stems, double nipple: Stainless steel 1.4404



Max.Working Pressure	Temperature	Thread	Media	
PN 40 bar**	up to +150°C	ISO 228	Water with cleaning agents / steam	5

Hose barbs with 60° sealing cone and hexagon nut for hose crimping

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 f	Hose i.D. 13	42	27	12	34	9.5	67	STE 1213 PH-...*
G 3/4 f	Hose i.D. 19	69.5	32	16	34	14.5	142	STE 3419 PH-...*

Hose connection with crimping ferrule type PHE (☺ page 320)

Hose barbs with male thread and 60° sealing cone according to ISO 8434-6 for hose crimping

Thread connection	Hose connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 m	Hose i.D. 13	63.5	22	14	34	9.5	57	TAE 1213 PH-...*
G 3/4 m	Hose i.D. 19	66.5	27	16	34	14.5	117	TAE 3419 PH-...*

Hose connection with crimping ferrule type PHE (☺ page 320)

Crimping ferrules (hydraulic crimping)

L	D	D1	Weight	Type No.
37	30	23	61	PHE-13-...*
37	36	29	75	PHE-19-...*

Thread stems with male thread and 60° sealing cone according to ISO 8434-6 and squeeze nut

Thread connection	Hose connection	L	SW	L1	L2	SW1	Bore	Weight	Type No.
G 1/2 m	Hose i.D. 13	71	22	25	14	27	10	168	TAE 1213 TQ-...*
G 3/4 m	Hose i.D. 19	73.5	27	25	16	32	13	245	TAE 3419 TQ-...*

Double Nipples with male threads on both sides

Thread connection	L	SW	L1	L2	Bore	Weight	Type No.
G 1/2 m - G 1/2 m	36	22	14	14	13	56	D 12 E
G 3/4 m - G 3/4 m	40	27	16	16	13	114	D 34 E
G 3/4 m - G 1/2 m	38	27	16	12	13	92	D 3412 E

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

**subject to temperature, assembly and hose

Quick Connect Couplings for Cleaning Applications

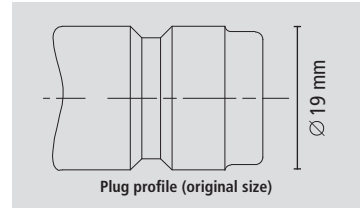
made of Stainless Steel 1.4404 Series ESLGE

- High-quality quick connect couplings made of stainless steel 1.4404
- Easy to couple, high-pressure and temperature capabilities, absolutely tight and durable
- Hygienic smooth surfaces as well as free and clean passage to prevent dirt accumulation
- O-rings which are especially approved for the food sector (VO 1935/2004) and for the drinking water sector (according to elastomer guide line, DVGW W 270, DVGW W 534)
- Different connection types (squeeze nut, hose crimping or female thread)
- For cleaning applications in the food industry, etc.

Materials

- Body, sleeve, plug, crimping ferrule: Stainless steel 1.4404
- Springs, retaining ring: Stainless steel 1.4571
- Balls: Stainless steel 1.4401
- O-Rings: EPDM (others on request)

DN 13



Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 40 bar**	up to +140°C	13	ISO 228	Two-Hand	straight-through	Water with cleaning agents / steam	5

Couplings with squeeze nut

Hose connection	L	SW	D	L1	SW1	Bore	Weight	Type No.
Hose i.D. 13	93.5	24	43	25	27	10	303	ESLGE 13 TQ-...*
Hose i.D. 19	92	27	43	25	32	13	345	ESLGE 19 TQ-...*

Couplings for hose crimping

Hose connection	L	D	L1	Bore	Weight	Type No.
Hose i.D. 13	79	43	34	9.5	187	ESLGE 13 TPH-...*
Hose i.D. 19	79	43	34	13	225	ESLGE 19 TPH-...*

Hose connection with crimping ferrule type PHE (☉ page 320)

Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/2 f	50	27	43	10	200	ESLGE 12 I
G 3/4 f	53	32	43	10	220	ESLGE 34 I

Plugs with female thread

Thread connection	L	SW	L1	L2	DS	Weight	Type No.
G 1/2 f	42	27	10	27	19	72	ESLGE 12 NI
G 3/4 f	42.5	32	10	27	19	86	ESLGE 34 NI

Plugs with male thread and 60° sealing cone according to ISO 8434-6

Thread connection	L	SW	L1	L2	DS	Weight	Type No.
G 1/2 m	49	22	14	27	19	66	ESLGE 12 NA
G 3/4 m	51	27	16	27	19	101	ESLGE 34 NA

Plugs with squeeze nut

Hose connection	L	SW	L1	L2	DS	SW1	Weight	Type No.
Hose i.D. 13	84	22	25	27	19	27	173	ESLGE 13 SQ-...*
Hose i.D. 19	84.5	27	25	27	19	32	232	ESLGE 19 SQ-...*

Plugs for ferrule crimping

Hose connection	L	D	L1	DS	Bore	Weight	Type No.
Hose i.D. 13	70.5	22	34	19	9.5	53	ESLGE 13 SPH-...*
Hose i.D. 19	70.5	22	34	19	13	92	ESLGE 19 SPH-...*

Hose connection with crimping ferrule type PHE (☉ page 320)

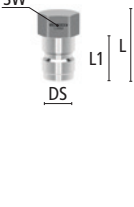
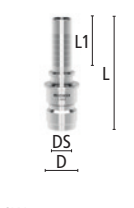
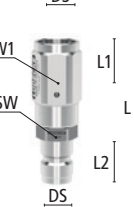
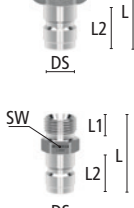
Cap plug

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

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

**subject to temperature, assembly and hose

Clean Connect
by LUDECKE





Claw Couplings The Robust Classic



LUDECKE claw couplings are made of corrosion and acid resist stainless steel 1.4401 and 1.4305. They are manufactured according to investment casting (lost wax casting), which guarantees a smooth and plain surface finish.

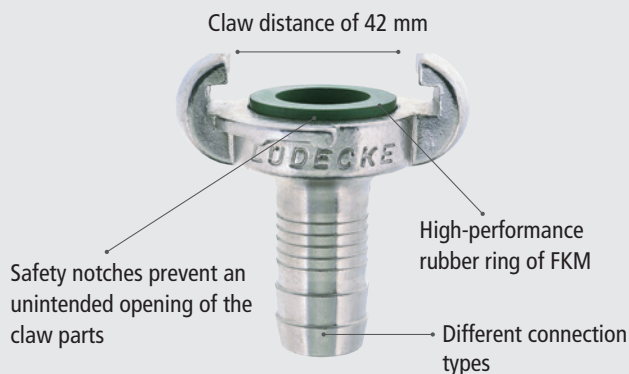
The **LUDECKE** stainless steel range of claw couplings are dedicated for the handling with tough and aggressive media (depending on mixture / concentration) in tank and container manufactures, chemical and petro-chemical, as well as food and beverage applications.

Advantages

- High-quality stainless steel
- Robust, reliable, absolutely tight and durable
- Simple and fast handling
- High safety due to MODY-Safety Screwing Coupling
- Identical coupling head: the connection and sealing variations can be coupled among each other
- Optimized flow characteristics due to large bore
- Acid resistant FKM seal

Wide Selection

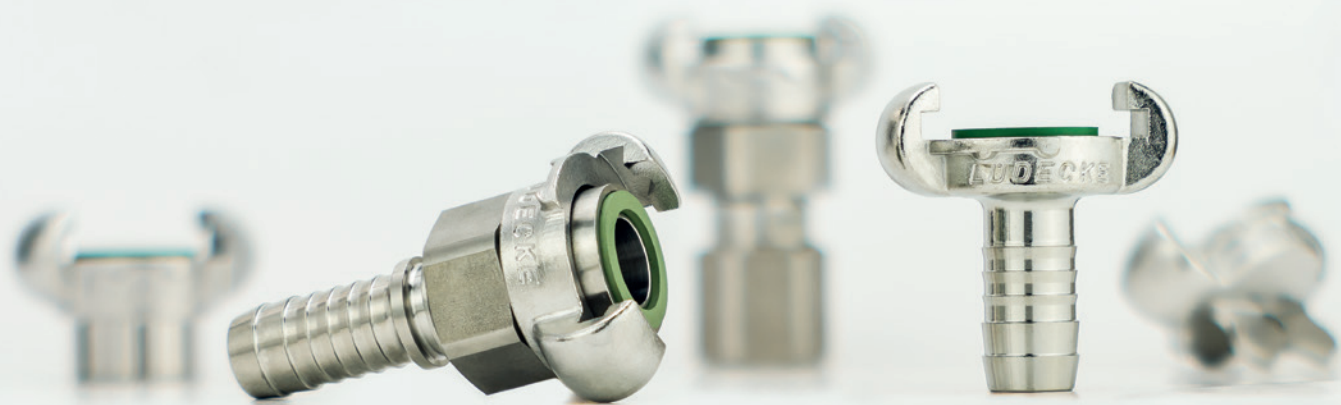
Hose Claw Coupling



MODY-Safety-Screwing Coupling

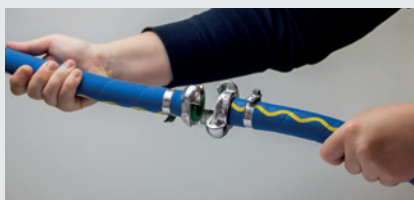


We recommend to use a standard claw coupling according to DIN 3489 on one end and a MODY Safety according to DIN 3238 version on the other end. This connection is absolutely safe, easy to couple and 100% tight.



The Coupling Concept: Simply Brilliant

Both claw heads are pushed together so the sealing surfaces are in touch. Then the two ends are turned until the claws are engaged.



To disconnect press the two ends together, twist them backwards to open and take off one end.



To ensure a proper locking, the MODY-Safety-Screwing Coupling is locked with an additional locking nut underneath the claw head.

Overview of the Claw Couplings made of Stainless Steel

Hose Claw Couplings Standard Version

Mody-Safety- Screwing Couplings



Series:

DIN 3489

DIN 3238

Coupling body:

Stainless Steel 1.4401

Stainless Steel 1.4401/
1.4404 / 1.4301

Seals:

FKM
TFEP, EPDM

FKM
TFEP, EPDM

Special seals on request:

Max. Working Pressure:

PN 16 bar

PN 16 bar

Temperature:

-30°C – + 200°C

-30°C – + 200°C

Thread Types:

ISO 228

ISO 228

Claw Distance:

42 mm

42 mm

Page:

324

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Claw Couplings

Standard Version DIN 3489 made of Stainless Steel 1.4401

- High quality couplings of corrosion and acid-resistant steel 1.4401 with safety notches
- With acid-resistant rubber ring of FKM, other materials (☉ below)
- Couplings investment casted (low wax casting), perfect surface finish
- Maximum bore for maximum flow capacity
- Turned gasket seat, therefore 100 % tight
- Turned stem profile for perfect fit of the hose, 100 % couple-test and sight control
- For aggressive fluids (depending on mixture concentration) in chemical or petrochemical industry, in tank or container-construction, etc.
- For food or drinking water applications use rubber ring type GPOR (with approval for the food processing sector)

Materials:

- Claw, connector: Stainless steel 1.4401
- Thread ferrule: Brass MS 58 chromed
- Chain: Stainless steel 1.4301
- Seal: FKM

Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	☉
PN 16 bar	-30°C – +200°C	ISO 228	DIN 3489	42 mm	Chemical media	1

Hose Claw Couplings (DIN 3489)

Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 10	65	63	40	6.5	125	EKT 10 V
Hose i.D. 13	65	63	40	9	129	EKT 13 V
Hose i.D. 19	65	63	40	15	142	EKT 19 V
Hose i.D. 25	65	63	40	20	165	EKT 25 V

Swivelling execution on request.

Female Claw Couplings (DIN 3489)*

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 f	41.5	63	14	15	173	EKI 38 V
G 1/2 f	41.5	63	15	15	163	EKI 12 V
G 3/4 f	41.5	63	16	20	158	EKI 34 V
G 1 f	41.5	63	18	20	160	EKI 10 V

*On request also available with NPT thread against extra charge!

Male Claw Couplings (DIN 3489) with thread protective cap*

Thread connection	L	B	L1	Passage	Weight	Type No.
G 3/8 m	39	63	12	10	148	EKA 38 V
G 1/2 m	39	63	14	14	151	EKA 12 V
G 3/4 m	41.5	63	15	19	155	EKA 34 V
G 1 m	41.5	63	15	20	180	EKA 10 V

*On request also available with NPT thread against extra charge!

Hose Claw Coupling with Thread Ferrule (according to DIN EN 14 424)

Hose connection	L	SW	B	Passage	Weight	Type No.
Hose 13x3	57	24	63	11	170	EKTQ 133 V
Hose 13x5	57	27	63	11	175	EKTQ 135 V
Hose 15x5	57	32	63	13	190	EKTQ 155 V
Hose 19x5	57	32	63	16	195	EKTQ 195 V
Hose 19x6	57	36	63	16	200	EKTQ 196 V
Hose 25x5	62	41	63	22	250	EKTQ 255 V
Hose 25x7	62	46	63	22	260	EKTQ 257 V

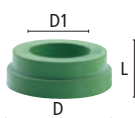
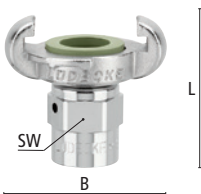
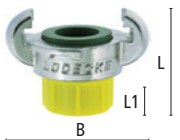
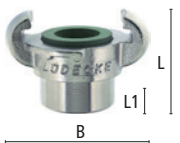
Assembly instructions for thread ferrules (☉ catalogue page 433)

Blank Ends (DIN 3489)

Version	L	B	☉	Weight	Type No.
without chain	42	63		144	EKO V
with chain	42	63		136	EKM V
chain (spare part)	200		10	7	EKMV-K

Original Rubber Ring

Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A	☉	Weight	Type No.
Chem. media	10.5	34	20	FKM	-30 /+200	green	50°	10	9	GVOR
Steam	10	33	20	TFEP	-40 /+200	red	65°	10	6	GDOR
Foods	10.5	34	20	EPDM	-40 /+130	nature	70°	10	9	GPOR



Claw Couplings

MODY-Safety-Screwing Couplings made of Stainless Steel 1.4401

- High quality couplings of corrosion and acid-resistant steel 1.4401 with safety notches
- Easy to couple, secured against unintended opening by screwing the locking nut manually
- With acid-resistant rubber ring of FKM, other materials (☺ below)
- Couplings investment casted (low wax casting), perfect surface finish
- Maximum bore for maximum flow capacity
- Turned gasket seat, therefore 100 % tight
- Turned stem profile for perfect fit of the hose, 100 % couple-test and sight control
- For aggressive fluids (depending on mixture to concentration) in chemical or petrochemical industry, in tank or container-construction, etc.
- For food or drinking water applications use rubber ring type GPOR (with approval for the food processing sector)

Materials:

- Claw: Stainless steel 1.4401
- Locking nut: Stainless steel 1.4305
- Connector: Stainless steel 1.4404
- Crimping ferrule: Brass MS 58 plain
- O-rings: FKM, TFEP

Max. Working Pressure	Temperature	Thread	Norm	Claw distance	Media	☺
PN 16 bar	-30°C – +200°C	ISO 228	DIN 3238	42 mm	Chemical media	1

Mody-Safety-Hose Claw Couplings (DIN 3238)

Hose connection	L	SW	B	L1	Passage	Weight	Type No.
Hose i.D. 13	105	36	63	41	9	337	EKS 13 V
Hose i.D. 19	105	36	63	41	15	350	EKS 19 V
Hose i.D. 25	105	36	63	41	18	380	EKS 25 V

Other sizes on request.

Hose assembly with hose clamps type SLE (☺ page 413)

Mody-Safety-Hose Claw Couplings (DIN 3238) with brass MS 58 safety clamps for steam applications (DIN EN 14 423)

Hose connection	L	B	Passage	Mat. sealing	Weight	Type No.
Hose 13x6	120	63	10	TFEP (SDOR-N)	840	EKS 13 KSM
Hose 19x7	120	63	15	TFEP (SDOR-N)	940	EKS 19 KSM

For Hose 25 x 7.5 (1") on request

Mody-Safety Male Thread Claw Couplings (DIN 3238)

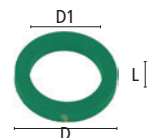
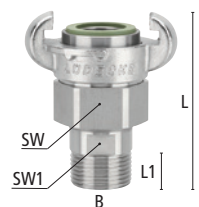
Thread connection	L	SW	B	L1	SW1	Passage	Weight	Type No.
G 1/2 m	77	36	63	12	24	13	320	EKSA 12 V
G 3/4 m	80	36	63	15	24	18	335	EKSA 34 V
G 1 m	82	36	63	15	24	18	370	EKSA 10 V

Mody-Safety Female Thread Claw Couplings (DIN 3238)

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

Original Rubber Ring for MODY-Safety Claw Couplings

Resistance	L	D	D1	Material	Temp.°C	Colour	Shore A	Version	☺	Weight	Type No.
Chem. media	4	30	21	FKM	-30 / +200	green	70°	DIN 3238	10	2	SVOR-N
Chem. media	7	32.5	21	FKM	-30 / +200	green	60°	OLD	10	5	SVOR
Steam	4	30	21	TFEP	-40 / +200	red	65°	DIN 3238	10	1.7	SDOR-N
Foods	4	30	21	EPDM	-40 / +130	natur	75°	DIN 3238	10	2	SPOR-N





Chemical and Industrial Fittings

The perfect System for every Application



For applications with aggressive and sophisticated conditions in the chemical and industrial sector (e.g. chemical and petrochemical industry, construction industry, machine and plant manufacturer, shipbuilding, agriculture, steel industry as well as medical technology) **LUDECKE** offers especially resistant and robust fittings.

Advantages:

- High-quality couplings and fittings of stainless steel 1.4401 / 1.4305, steel or brass
- Robust, reliable, absolutely tight and durable
- Simple and fast handling
- Optimized flow characteristics due to large bore
- Different sizes and connection types

Kamlok Quick Couplings and Plugs



Kamlok quick couplings are extremely resistant couplings manufactured with top quality material to connect hoses with each other or with plants. At this asymmetrical coupling system a male and female part is locked by two handles.

This popular coupling system originates from the USA and is based on the US standard MIL-C 27487. Within a general standardization in Europe the DIN EN 14420-7 has been introduced, which replaces the old standard DIN 2828.

LUDECKE offers Kamlok couplings according to both standards. The main difference lies in the hose connection. Using couplings according to the MIL standard, the hose connection is realized with clamps, according to DIN EN 14420-7 with forged safety clamps.



Steam Screwings



For the application with saturated steam or hot water **LUDECKE** offers solid and extreme robust steam screwings made of steel, stainless steel or brass. The steam screwings are available as female and male thread screwings for safety clamps.

Thread Stems



The **LUDECKE** female and male thread stems enable a direct connection for Kamlok quick couplings, tank truck couplings or can be used as adaptor. They are available in brass as well as in stainless steel.

SoftFlow Material Conveying Quick Connect Couplings



The **LUDECKE** SoftFlow material conveying quick connect couplings are a high quality quick coupling system for pressure and vacuum conveying of bulk material or liquids (e.g. for vacuum-conveying of plastic granulate). Because of the quick coupling principle with ball shut-off and the light weight the couplings are especially easy to handle. The coupling body is made of stainless steel for less abrasion.

**Soft
Flow**
by **LUDECKE**







Material Conveying Couplings



At **LUDECKE** you can find exactly adapted coupling systems for vacuum or pressure conveyance of different fluids or solids (granulates etc.). They are available as interior and exterior binding in spiral hoses of different fabrications as well as pipe connection (i.e. for distribution devices).

Overview of the Chemical and Industrial Fittings

	Kamlok Quick Couplings	Steam Screwings	Thread Stems	SoftFlow Material Conveying Quick Connect Couplings
				
Series/Nominal diameter:	DIN EN 14420-7, MIL-C-27487	DIN EN 14 423	DIN EN 14 420-5	DN 41
Sleeve:	-	-	-	Aluminium (hard coated)
Body:	-	Steel zinc pl. yellow pass. Brass MS 58 plain, St. Steel 1.4305 Brass MS 58 plain	-	-
Clamp:	-	-	-	-
Springs, Rings:	-	-	-	Stainless Steel 1.4310 Stainless Steel 1.4034
Balls:	-	-	-	-
O-rings:	Buna N	Frenzilit Novatec Special	PTFE	Buna N
Special seals on request:	Hypalon, EPDM, FKM	-	-	-
Handle:	Stainless Steel 1.4401	-	-	-
Coupling body, plug:	Stainless Steel 1.4401	-	Stainless Steel 1.4401	Stainless Steel 1.4305
Max. Working Pressure:	PN 16 bar	PN 18 bar	PN 25 bar	PN 10 bar
Temperature:	-40°C – + 95°C	up to 210°C (satur. steam)/ 120°C (hot water) ISO 228/ DIN 2999	-40°C – + 95°C	-15°C – + 95°C
Thread Types:	-	ISO 228/ DIN 2999	ISO 228	ISO 228
Page:	329	334	338	340

Kamlok Quick Couplings and Plugs

DIN EN 14 420-7 made of Stainless Steel 1.4401 electro polished

- High quality, robust couplings acc. to DIN EN 14 420-7 (formerly DIN 2828) for safety clamps
- Interchangeable with world-wide used types
- Surface electro polished, couplings generally with handle securing and safety clips
- Rubber Rings of Buna N, Hypalon, EPDM and FKM and handles as spare parts available
- Hose stem machined
- Replacement seal made of Buna N, Hypalon, EPDM and FKM, as well as handles as spare parts
- **Universal coupling for aggressive fluids (according to concentration) in chemical and petrochemical industry, steel plants, food plants, medicine technique, off-shore or agriculture. EPDM sealing ring with approval for edibles/foods**

Materials:

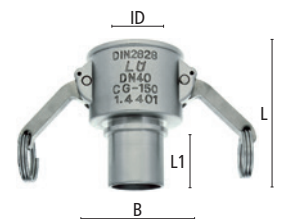
- Female part, male part, handle: Stainless steel 1.4401 electro polished
- O-ring: Buna N

Max. Working Pressure	Temperature	Norm	Media	
PN 16 bar	-40°C – +95°C	DIN EN 14 420-7	different	1

Couplings with hose stem for safety clamps (DIN EN 14 420-7 Form CC)

Hose connection	L	B	Type-Size	ID	L1	Passage	DN	For Clamp	Weight	Type No.
Hose 19x6	77	60	75	32.4	35	14.5	20	KSA 30-33	254	75-CG-SS-BU
Hose 25x6	83	66	100	37.3	35	21	25	KSA 36-39	335	100-CG-SS-BU
Hose 32x6	89	77	125	46	35	27.5	32	KSA 43-46	570	125-CG-SS-BU
Hose 38x6.5	91	82	150	54	34.5	33	40	KSA 50-53	653	150-CG-SS-BU
Hose 50x8	103	95	200	63.8	41	45.5	50	KSA 63-67	894	200-CG-SS-BU
Hose 63x8	120	107	250	76.5	53	58.5	65	KSA 78-82	1273	250-CG-SS-BU
Hose 75x8	127	132	300	92.2	57	70	80	KSA 89-93	1645	300-CG-SS-BU

Aluminium Clamps (© page 75)



Plugs with hose stem for safety clamps (DIN EN 14 420-7 Form EC)

Hose connection	L	Type-Size	ID	L1	Passage	DN	For Clamp	Weight	Type No.
Hose 19x6	70	75	32.1	35	15	20	KSA 30-33	120	75-EG-SS
Hose 25x6	78	100	36.7	35	20.5	25	KSA 36-39	190	100-EG-SS
Hose 32x6	84	125	45.5	35	27.5	32	KSA 43-46	323	125-EG-SS
Hose 38x6.5	85	150	53.4	34.5	33	40	KSA 50-53	400	150-EG-SS
Hose 50x8	100	200	63	41	45	50	KSA 63-67	586	200-EG-SS
Hose 63x8	113	250	75.8	53	56.5	65	KSA 78-82	882	250-EG-SS
Hose 75x8	120	300	91.5	57	70	80	KSA 89-93	1122	300-EG-SS



Current information about standards:

- DIN 2828 is replaced by DIN EN 14 420-7
- New form marking:
 - female part with stem: Form CC
 - female part with female thread: Form DF
 - female part with male thread: Form BF
 - female part with blind cap: Form DC
 - male part with stem: Form EC
 - male part with female thread: Form AF
 - male part with male thread: Form FF
 - male part with sealing plug: Form DP
- The form markings on female and male are adapted accordingly
- Type approval tests and quality control:
 - all types are checked using test jack connectors and defined test criteria
- Producer should be certified according to DIN EN ISO 9001 : 2000
- New maximum operating pressure of 16 bar or application limit of used pipes or hose lines



Kamlok Quick Couplings

DIN EN 14 420-7, MIL-C-27487 made of Stainless Steel 1.4401

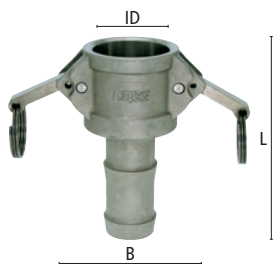
- High quality, robust couplings acc. to US-Mil.-Standard (MIL-C-27487) or DIN EN 14 420-7 (formerly DIN 2828)
- Interchangeable with world-wide used types
- Female threads with thread sealing ring of PTFE
- Seals of Buna N, Hypalon, EPDM and FKM and handles as spare parts
- Couplings generally with handle securing and safety clips (steel, zinc-plated)
- **Universal coupling for aggressive fluids (according to concentration) in chemical- and petrochemical industry, steel plants, food plants, medicine technique, off-shore or agriculture**
- **Current information about standards for DIN EN 14 420-7 (☺ Page 329)**

Materials:

- Female part, male part, handle: Stainless steel 1.4401
- O-rings: Buna N

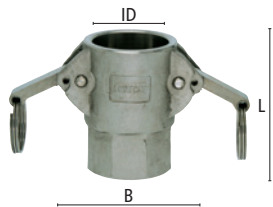
Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 16 bar	-40°C – +95°C	ISO 228 / DIN 2999	MIL-C-27487/ DIN EN 14 420-7	different	1

Couplings with hose stem (MIL-C-27487)



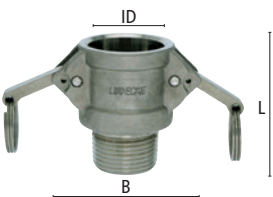
Hose connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
Hose i.D. 13	86	40	50	24.5	8	15	one handle w/o safety clip	150	50-C-SS-BU
Hose i.D. 19	82	63	75	32.4	14	20	two handles w safety clip	238	75-C-SS-BU
Hose i.D. 25	97	72	100	37.3	20	25	two handles w safety clip	358	100-C-SS-BU
Hose i.D. 32	108	83	125	46	25.5	32	two handles w safety clip	600	125-C-SS-BU
Hose i.D. 38	112	90	150	54	32	40	two handles w safety clip	723	150-C-SS-BU
Hose i.D. 50	130	102	200	63.8	44	50	two handles w safety clip	846	200-C-SS-BU
Hose i.D. 63	136	119	250	76.5	56.5	65	two handles w safety clip	1214	250-C-SS-BU
Hose i.D. 75	162	135	300	92.2	75	80	two handles w safety clip	1834	300-C-SS-BU
Hose i.D. 100	163	174	400	120.3	95	100	two handles w safety clip	3045	400-C-SS-BU

Couplings with female thread and thread sealing ring (DIN EN 14 420-7 Form DF)



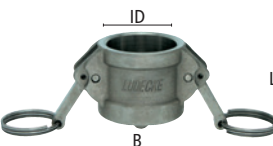
Thread connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
G 1/2 f	45	40	50	24.5	15	15	one handle w/o safety clip	147	50-D-SS-BU
G 3/4 f	51	63	75	32.4	17.5	20	two handles w safety clip	265	75-D-SS-BU
G 1 f	62	72	100	37.3	23	25	two handles w safety clip	398	100-D-SS-BU
G 1 1/4 f	70	83	125	46	31	32	two handles w safety clip	773	125-D-SS-BU
G 1 1/2 f	71	90	150	54	37	40	two handles w safety clip	817	150-D-SS-BU
G 2 f	78	102	200	63.8	47	50	two handles w safety clip	880	200-D-SS-BU
G 2 1/2 f	77	119	250	76.5	62	65	two handles w safety clip	1221	250-D-SS-BU
G 3 f	91	135	300	92.2	75	80	two handles w safety clip	1802	300-D-SS-BU
G 4 f	85	174	400	120.3	103	100	two handles w safety clip	2354	400-D-SS-BU

Couplings with male thread (DIN EN 14 420-7 Form BF)



Thread connect.	L	B	Type-Size	ID	Passage	DN	System	Weight	Type No.
R 1/2 m	47	40	50	24.5	14	15	one handle w/o safety clip	130	50-B-SS-BU
R 3/4 m	54	63	75	32.4	19	20	two handles w safety clip	233	75-B-SS-BU
R 1 m	64	72	100	37.3	25	25	two handles w safety clip	343	100-B-SS-BU
R 1 1/4 m	70	83	125	46	32	32	two handles w safety clip	592	125-B-SS-BU
R 1 1/2 m	71	90	150	54	38	40	two handles w safety clip	694	150-B-SS-BU
R 2 m	77	102	200	63.8	51	50	two handles w safety clip	708	200-B-SS-BU
R 2 1/2 m	85	119	250	76.5	63	65	two handles w safety clip	1007	250-B-SS-BU
R 3 m	95	135	300	92.2	75	80	two handles w safety clip	1438	300-B-SS-BU
R 4 m	90	174	400	120.3	102	100	two handles w safety clip	1988	400-B-SS-BU

Dust cap (DIN EN 14 420-7 Form DC)



L	B	Type-Size	ID	DN	System	Weight	Type No.
42	40	50	24.5	15	one handle w/o safety clip	123	50-DC-SS-BU
42	63	75	32.4	20	two handles w safety clip	183	75-DC-SS-BU
49	72	100	37.3	25	two handles w safety clip	274	100-DC-SS-BU
57	83	125	46	32	two handles w safety clip	493	125-DC-SS-BU
59	90	150	54	40	two handles w safety clip	559	150-DC-SS-BU
63	102	200	63.8	50	two handles w safety clip	756	200-DC-SS-BU
67	119	250	76.5	65	two handles w safety clip	897	250-DC-SS-BU
70	135	300	92.2	80	two handles w safety clip	1296	300-DC-SS-BU
70	174	400	120.3	100	two handles w safety clip	1898	400-DC-SS-BU

Kamlok Quick Plugs

made of Stainless Steel 1.4401

Plugs with hose stem (MIL-C-27487)

Hose connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
Hose i.D. 13	87	50	24	8	15	120	50-E-SS
Hose i.D. 19	88	75	32.1	14	20	171	75-E-SS
Hose i.D. 25	103	100	36.7	20	25	284	100-E-SS
Hose i.D. 32	110	125	45.5	25	32	442	125-E-SS
Hose i.D. 38	116	150	53.4	32	40	563	150-E-SS
Hose i.D. 50	146	200	63	43	50	812	200-E-SS
Hose i.D. 63	148	250	75.8	56	65	1186	250-E-SS
Hose i.D. 75	167	300	91.5	67	80	1815	300-E-SS
Hose i.D. 100	175	400	119.5	93	100	2945	400-E-SS



Plugs with female thread and thread sealing ring (DIN EN 14 420-7 Form AF)

Thread connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
G 1/2 f	41	50	24	14	15	76	50-A-SS
G 3/4 f	42	75	32.1	22	20	171	75-A-SS
G 1 f	52	100	36.7	24	25	222	100-A-SS
G 1 1/4 f	58	125	45.5	29	32	386	125-A-SS
G 1 1/2 f	62	150	53.4	38	40	493	150-A-SS
G 2 f	71	200	63	51	50	644	200-A-SS
G 2 1/2 f	75	250	75.8	58	65	945	250-A-SS
G 3 f	79	300	91.5	74	80	1320	300-A-SS
G 4 f	81	400	119.5	97	100	2118	400-A-SS



Plugs with male thread (DIN EN 14 420-7 Form FF)

Thread connect.	L	Type-Size	ID	Passage	DN	Weight	Type No.
R 1/2 m	49	50	24	14	15	103	50-F-SS
R 3/4 m	64	75	32.1	22	20	185	75-F-SS
R 1 m	72	100	36.7	24	25	258	100-F-SS
R 1 1/4 m	81	125	45.5	29	32	477	125-F-SS
R 1 1/2 m	82	150	53.4	38	40	565	150-F-SS
R 2 m	90	200	63	51	50	650	200-F-SS
R 2 1/2 m	105	250	75.8	58	65	1317	250-F-SS
R 3 m	104	300	91.5	74	80	1766	300-F-SS
R 4 m	114	400	119.5	97	100	2804	400-F-SS



Dust Plugs (DIN EN 14 420-7 Form DP)

L	Type-Size	ID	DN	Weight	Type No.
36	50	24	15	73	50-DP-SS
39	75	32.1	20	93	75-DP-SS
46	100	36.7	25	139	100-DP-SS
55	125	45.5	32	260	125-DP-SS
57	150	53.4	40	335	150-DP-SS
60	200	63	50	441	200-DP-SS
66	250	75.8	65	657	250-DP-SS
66	300	91.5	80	804	300-DP-SS
68	400	119.5	100	1525	400-DP-SS



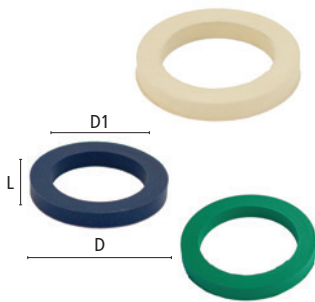
Spare Parts for Kamlok Quick Couplings

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

- Replacement seals, thread sealing rings, handle and chain

Materials:

- Sealing rings, thread sealing rings: see below
- Handle: Stainless steel 1.4401
- Chain: Stainless steel 1.4301



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

Sealing Rings for Kamlok-Couplings

Material: Buna N

Colour: black

L	D	Type-Size	D1	DN		Weight	Type No.
4	27	50	17.5	15	10	2	EDR-50-BU
5.5	35	75	22	20	10	4	EDR-75-BU
6.5	39	100	27	25	10	6	EDR-100-BU
6.5	49	125	34.5	332	10	8	EDR-125-BU
6.5	55	150	41	40	10	9	EDR-150-BU
6.5	66	200	51	50	10	12	EDR-200-BU
6.5	79	250	60	65	10	19	EDR-250-BU
6.5	95	300	76	80	10	21	EDR-300-BU
6.5	124	400	101	100	10	37	EDR-400-BU

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

Material: PTFE

L	D	Type-Size	D1		Weight	Type No.
2	21	50	15	10	1	GDR-50-PTFE
2	26	75	18	10	1	GDR-75-PTFE
2	33	100	23	10	2	GDR-100-PTFE
2	42	125	32	10	2	GDR-125-PTFE
2	48	150	38	10	3	GDR-150-PTFE
2	60	200	49	10	3	GDR-200-PTFE
2	76	250	63	10	4	GDR-250-PTFE
2	88	300	77	10	5	GDR-300-PTFE
2	114	400	100	10	6	GDR-400-PTFE

Sealing Rings of PTFE for female thread fittings of stainless steel

Sealing Rings of PUR for female thread fittings of brass

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



Type-Size		Weight	Type No.
50-75	10	19	KAH 1
100	10	29	KAH 2
125, 150, 200, 250	10	68	KAH 3
300, 400	10	110	KAH 4

Chain of stainless steel for Dust Caps and -Plugs



L		Weight	Type No.
200	10	7	EKMV-K

Spare Parts for Kamlok Quick Couplings

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

Hypalon		EPDM		FKM		Teflon-packed (U-form) with EPDM-core
Colour:	blue	Colour:	yellow	Colour:	green	
Type No.	Type No.	Type No.	Type No.	Type No.	Type No.	
EDR-50-HYP*	EDR-50-EPDM*	EDR-50-FPM*	-	-	-	
EDR-75-HYP	EDR-75-EPDM	EDR-75-FPM	EDR-75-EPPT			1
EDR-100-HYP	EDR-100-EPDM	EDR-100-FPM	EDR-100-EPPT			1
EDR-125-HYP	EDR-125-EPDM	EDR-125-FPM	EDR-125-EPPT			1
EDR-150-HYP	EDR-150-EPDM	EDR-150-FPM	EDR-150-EPPT			1
EDR-200-HYP	EDR-200-EPDM	EDR-200-FPM	EDR-200-EPPT			1
EDR-250-HYP*	EDR-250-EPDM*	EDR-250-FPM*	EDR-250-EPPT			1
EDR-300-HYP	EDR-300-EPDM	EDR-300-FPM	EDR-300-EPPT			1
EDR-400-HYP*	EDR-400-EPDM*	EDR-400-FPM*	EDR-400-EPPT			1

*black with colour coding

PUR	
Type No.	
GDR-50-PUR	
GDR-75-PUR	
GDR-100-PUR	
GDR-125-PUR	
GDR-150-PUR	
GDR-200-PUR	
GDR-250-PUR	
GDR-300-PUR	
GDR-400-PUR	

Steam Screwings

Thread Screwings (DIN EN 14 423)

- Solid, extreme robust female and male thread screwings made of steel, stainless steel 1.4305 or brass for steam hoses incl. safety clamps made of brass, according to DIN EN 14 423 (formerly DIN 2826)
- Female thread screwing two parts, swivelling, connecting nut flat sealing with female thread sealing ring Frenzelit Novatec Special
- Screws for safety clamps DIN 912-12.9 (Dacro 500A coated)
- Pressure-temperature table saturated steam (☺ Page 434)
- **To be used for saturated steam up to +210°C, or hot water up to +120°C and up to 18 bar working pressure**

Materials:

- Connector: Steel zinc-plated and yellow passivated (free of chrome VI)/ Brass MS 58 plain/ Stainless Steel 1.4305
- Safety clamp: Brass MS 58 plain
- Sealing: Frenzelit Novatec Special

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 18 bar	sat. steam +210°C/ hot water +120°C	ISO 228/DIN 2999	DIN EN 14 423	sat. steam / hot water	1

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

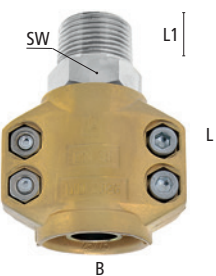
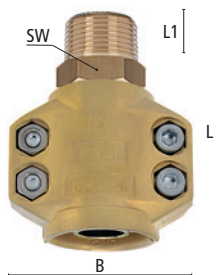
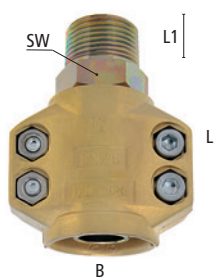
Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	16	15	9	447	DAK 12-13 ST
Hose 19x7	R 3/4 m	95	27	68	17	20	14	700	DAK 34-19 ST
Hose 25x7.5	R 1 m	100	36	77	21	25	20	933	DAK 10-25 ST
Hose 38x8	R 1 1/2 m	125	50	101	22	40	33	1940	DAK 15-38 ST
Hose 50x9	R 2 m	140	60	111	26	50	44	2631	DAK 20-50 ST

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

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	16	15	9	447	DAK 12-13 MS
Hose 19x7	R 3/4 m	95	27	68	17	20	14	700	DAK 34-19 MS
Hose 25x7.5	R 1 m	100	36	77	21	25	20	940	DAK 10-25 MS
Hose 38x8	R 1 1/2 m	125	50	101	22	40	33	1940	DAK 15-38 MS
Hose 50x9	R 2 m	140	60	111	26	50	44	2631	DAK 20-50 MS

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

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	R 1/2 m	95	22	53	11	15	9	460	DAK 12-13 SS
Hose 19x7	R 3/4 m	95	27	68	15	20	14	530	DAK 34-19 SS
Hose 25x7.5	R 1 m	100	36	77	16	25	20	670	DAK 10-25 SS



Steam Screwings

Thread Screwings (DIN EN 14 423)

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

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	480	DIK 12-13 ST
Hose 19x7	G 3/4 f	92	32	68	15	20	14	680	DIK 34-19 ST
Hose 25x7.5	G 1 f	93	41	77	16	25	20	1022	DIK 10-25 ST
Hose 38x8	G 1 1/2 f	120	55	101	18	40	33	1930	DIK 15-38 ST
Hose 50x9	G 2 f	131	70	111	19	50	44	2613	DIK 20-50 ST

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

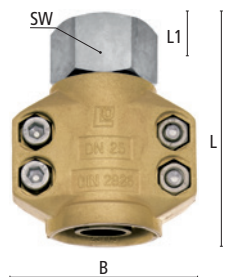
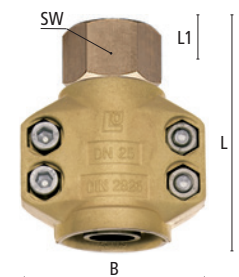
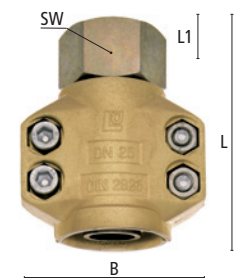
Female thread screwings of brass MS 58 with safety clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	480	DIK 12-13 MS
Hose 19x7	G 3/4 f	92	32	68	15	20	14	680	DIK 34-19 MS
Hose 25x7.5	G 1 f	93	41	77	16	25	20	1022	DIK 10-25 MS
Hose 38x8	G 1 1/2 f	120	55	101	18	40	33	1930	DIK 15-38 MS
Hose 50x9	G 2 f	131	70	111	19	50	44	2613	DIK 20-50 MS

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

Female thread screwings of stainless steel 1.4305 with safety clamp of brass

Hose connect.	Thread connect.	L	SW	B	L1	DN	Passage	Weight	Type No.
Hose 13x6	G 1/2 f	88	27	53	11	15	9	530	DIK 12-13 SS
Hose 19x7	G 3/4 f	92	32	68	15	20	14	700	DIK 34-19 SS
Hose 25x7.5	G 1 f	93	41	77	16	25	20	950	DIK 10-25 SS



Steam Screwings

Female and Male Thread Stems for Hose Fittings with Clamp Frame (DIN EN 14 423)

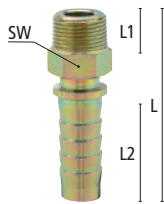
- Massive, very robust female and male thread stems made of steel, stainless steel 1.4305 or brass according to DIN EN 14 423 (formerly DIN 2826)
- For combination with safety clamps KSM (☺ Page 337)
- Pressure-Temperature-Table saturated steam (☺ Page 434)
- For the application with saturated steam up to + 210°C, or hot water up to + 120°C and up to 18 bar working pressure

Materials:

- Thread stems: Steel zinc-plated and yellow passivated (free of chrome VI)/ Brass MS 58 plain/ Stainless Steel 1.4305
- Seals: Frenzelit Novatec Special

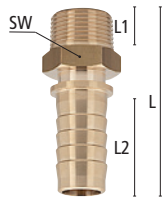
Max. Working Pressure	Temperature	Thread	Norm	Media
PN 18 bar	sat. steam +210°C/ hot water +120°C	ISO 228/ DIN 2999	DIN EN 14423	sat. steam / hot water

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



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	110	DA 12-13 ST
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	170	DA 34-19 ST
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	270	DA 10-25 ST
Hose 38x8	R 1 1/2 m	118	50	22	72	33	40	KSM 15 D	5	510	DA 15-38 ST
Hose 50x9	R 2 m	131	60	26	75	44	50	KSM 20 D	1	830	DA 20-50 ST

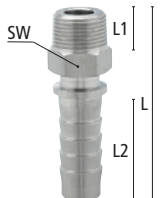
Male thread stems of brass MS 58



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	120	DA 12-13 MS
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	185	DA 34-19 MS
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	280	DA 10-25 MS
Hose 38x8	R 1 1/2 m	118	50	22	72	33	40	KSM 15 D	5	550	DA 15-38 MS
Hose 50x9	R 2 m	131	60	26	75	44	50	KSM 20 D	1	900	DA 20-50 MS

Other dimensions on request

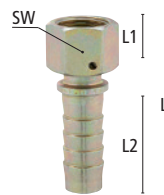
Male thread stems of stainless steel 1.4305



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	R 1/2 m	90	22	16	52	9	15	KSM 12 D	10	115	DA 12-13 SS
Hose 19x7	R 3/4 m	91	27	17	52	14	20	KSM 34 D	10	175	DA 34-19 SS
Hose 25x7.5	R 1 m	95	36	21	52	20	25	KSM 10 D	10	270	DA 10-25 SS

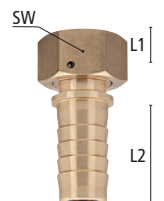
Other dimensions on request

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



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	125	DI 12-13 ST
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	180	DI 34-19 ST
Hose 25x7.5	G 1 f	87.5	41	16	52	20	25	KSM 10 D	10	280	DI 10-25 ST
Hose 38x8	G 1 1/2 f	111.5	55	18	72	33	40	KSM 15 D	5	515	DI 15-38 ST
Hose 50x9	G 2 f	119.5	70	19	75	44	50	KSM 20 D	1	810	DI 20-50 ST

Female thread stems of brass MS 58



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	130	DI 12-13 MS
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	200	DI 34-19 MS
Hose 25x7.5	G 1 f	87.5	41	16	52	20	25	KSM 10 D	10	320	DI 10-25 MS
Hose 38x8	G 1 1/2 f	111.5	55	18	72	33	40	KSM 15 D	5	570	DI 15-38 MS
Hose 50x9	G 2 f	119.5	70	19	75	44	50	KSM 20 D	1	890	DI 20-50 MS

Other dimensions on request

Female thread stems of stainless steel 1.4305



Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	☐	Weight	Type No.
Hose 13x6	G 1/2 f	82.5	27	11	52	9	15	KSM 12 D	10	155	DI 12-13 SS
Hose 19x7	G 3/4 f	86.5	32	15	52	14	20	KSM 34 D	10	185	DI 34-19 SS
Hose 25x7.5	G 1 f	87.5	41	16	52	20	20	KSM 10 D	10	265	DI 10-25 SS

Steam Screwings

Safety Clamps and Sealing Rings, Brass MS 58 (DIN EN 14 423)

- High-quality, robust safety clamps made of brass (DIN EN 14 423/ formerly DIN 2826)
- Simple, safe and detachable hose connection for steam screwings
- Packed loose incl. screws and nuts

Materials:

- Clamp: Brass MS 58 plain
- Screws: Dacro 500 A coated



Max. Working Pressure	Temperature	Norm	
PN 18 bar	sat. steam +210°C/ hot water +120°C	DIN EN 14 423	1

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

Hose-o.D./							
Hose connection	Clamping range	L	B	DN	Screw Size	Weight	Type No.
Hose 13x6	24-27	65	53	15	M 6x20	336	KSM 12 D
Hose 19x7	32-35	65	68	20	M 8x25	499	KSM 34 D
Hose 25x7.5	39-42	65	77	25	M 8x25	742	KSM 10 D
Hose 38x8	53-56	90	101	40	M 10x40	1430	KSM 15 D
Hose 50x9	64-68	100	111	50	M 10x40	1756	KSM 20 D



Suitable for male and female thread stems DIN 14 423 (© page 336)

Original sealing rings Frenzelit Novatec Spezial for female threads

Version	L	D	D1		Weight	Type No.
G 1/2 f	2	20	13	10	2	DGI 12
G 3/4 f	2	26	18	10	2	DGI 34
G 1 f	2	33	23	10	3	DGI 10
G 1 1/2 f	2	48	38	10	5	DGI 15
G 2 f	2	60	49	10	7	DGI 20

Hose Assembly of Hose Lines according to DIN EN 14 423

1. Push the hose stem (brushed with lubricant if needed) into a square coated hose.
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.

Safety Clamps

made of Forged Aluminium (DIN EN 14 420-3)

- High quality, robust clamps of forged aluminium (DIN EN 14 420-3)
- Easy, safe and removable hose assembly of safety clamps fittings
- Packed loose incl. screws and nuts

Materials

- Safety clamps: Forged aluminium
- Screws: Dacro 500 A coated



Max. Working Pressure	Temperature	Norm	
PN 25 bar	-40°C – +95°C	DIN EN 14 420-3	1

Safety Clamps

Hose connection	Hose-o.D./Range	L	B	DN	Screws	Weight	Type No.
Hose 19x6	30-33	50	63	20	M 6x20	142	KSA 30-33
Hose 25x6	36-39	50	69	25	M 6x20	151	KSA 36-39
Hose 32x6	43-46	50	76	32	M 6x20	162	KSA 43-46
Hose 38x6.5	50-53	50	83	40	M 6x20	167	KSA 50-53
Hose 50x8	63-67	56	102	50	M 8x25	310	KSA 63-67
Hose 63x8	78-82	74	120	65	M 8x25	454	KSA 78-82
Hose 75x8	89-93	76	132	80	M 8x25	486	KSA 89-93
Hose 75x10	94-97	76	140	80	M 8x25	580	KSA 94-97

Other sizes on request

Hose assembly of safety clamps and hose fittings

1. Hose stem brushed with lubricant is pressed into straight-cut hose
2. Clamp halves are put in safety collar around the hose and fixed with care in a vice
3. 4 Screws are fixed regularly (rightly dimensioned hoses keep a small slit between clamp halves)

Thread Stems

made of Brass MS 58 (DIN EN 14 420-5)

- High quality, robust male thread hose stems made of brass MS 58 (DIN EN 14 420-5/ formerly DIN 2817)
- Lightly grooved hose stem with safety collar for forged clamps
- For direct connection or as adaptor for Kamlok quick couplings, tank truck couplings, etc.
- **To be used for petrochemical industry, water in industry, tank trucks or agriculture, etc.**

Materials:

- Thread stems: Brass MS 58 plain

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 25 bar	-40°C – +95°C	ISO 228	DIN EN 14 420-5	different	1

Male thread stems for safety clamps

Hose connect.	Thread connect.	L	SW	L1	L2	Passage	DN	System	Weight	Type No.
Hose 13x5	G 1/2 m	62	22	12	35	9	15	-	70	GTA 12-13 MS
Hose 19x6	G 3/4 m	63.5	27	13	34.5	14	20	KSA 30-33	105	GTA 34-19 MS
Hose 25x6	G 1 m	65	36	14	35	20.5	25	KSA 36-39	168	GTA 10-25 MS
Hose 32x6	G 1 1/4 m	66	46	15	35	27.5	32	KSA 43-46	215	GTA 54-32 MS
Hose 38x6.5	G 1 1/2 m	73.5	55	18	37	33	40	KSA 50-53	382	GTA 15-38 MS
Hose 50x8	G 2 m	80	65	20	40	45	50	KSA 63-67	537	GTA 20-50 MS



Thread Stems

Stainless Steel 1.4401 electro polished (DIN EN 14 420-5)

- High quality, robust female and male-thread hose stems of stainless steel electro polished (DIN EN 14 420-5/ formerly DIN 2817)
- Surface electro polished, stems finished
- Plain hose stem with safety collar for forged clamps
- Female threads flat sealing with thread-sealing ring of PTFE
- For direct connection or as adaptor for Kamlok quick couplings, tank truck couplings etc.
- For the connection with safety clamps Typ KSA (☺page 338)
- For aggressive fluids (according to concentration) in chemical and petrochemical industry, steel plants or food plants, medicine technique, off-shore or agriculture

Materials:

- Thread stem: Stainless steel 1.4401 electro polished

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 25 bar	-40°C – +95°C	ISO 228	DIN EN 14 420-5	different	1

Male thread stems for safety clamps

Hose connect.	Thread connect.	L	SW	Passage	DN	System	Weight	Type No.
Hose 19x6	G 3/4 m	62	27	15	20	KSA 30-33	99	GTA 34-19 SS
Hose 25x6	G 1 m	63	36	20.5	25	KSA 36-39	148	GTA 10-25 SS
Hose 32x6	G 1 1/4 m	63.5	46	27.5	32	KSA 43-46	210	GTA 54-32 SS
Hose 38x6.5	G 1 1/2 m	66.5	55	33	40	KSA 50-53	290	GTA 15-38 SS
Hose 50x8	G 2 m	75.5	*	45	50	KSA 63-67	395	GTA 20-50 SS
Hose 63x8	G 2 1/2 m	94.5	*	58	65	KSA 78-82	655	GTA 25-63 SS
Hose 75x8	G 3 m	97.5	*	70	80	KSA 89-93	775	GTA 30-75 SS

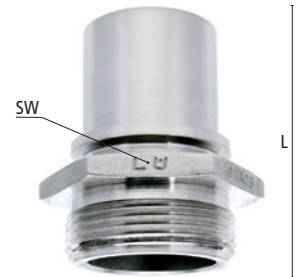
* For hooking according to DIN 1810

Female thread stems for safety clamps (two parts screwing)

Hose connect.	Thread connect.	L	SW	Passage	DN	System	Weight	Type No.
Hose 19x6	G 3/4 f	60	30	15	20	KSA 30-33	92	GTI 34-19 SS
Hose 25x6	G 1 f	62	36	21	25	KSA 36-39	126	GTI 10-25 SS
Hose 32x6	G 1 1/4 f	64	46	28	32	KSA 43-46	190	GTI 54-32 SS
Hose 38x6.5	G 1 1/2 f	67	55	33	40	KSA 50-53	322	GTI 15-38 SS
Hose 50x8	G 2 f	77	65	45	50	KSA 63-67	440	GTI 20-50 SS
Hose 63x8	G 2 1/2 f	91	85	58	65	KSA 78-82	837	GTI 25-63 SS
Hose 75x8	G 3 f	100	100	70	80	KSA 89-93	1211	GTI 30-75 SS

Current information about standards:

- DIN 2817 is replaced by DIN EN 14 420-5
- The form markings on thread stems are adapted
- All types are checked using defined test criteria
- Producer should be certified according to DIN EN ISO 9001 : 2000
- New maximum operating pressure of 25 bar or application limit of used hose lines



Material Conveying Couplings

At **LUDECKE** you can find exactly adapted coupling systems for vacuum or pressure conveyance of different fluids or solids (granulates etc.). They are available as interior and exterior binding in spiral hoses of different fabrications as well as pipe connection (i.e. for distribution devices).

Material: Aluminium, stainless steel, steel



Sizes: 1" to 4"

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

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

SoftFlow Material Conveying Quick Connect Couplings

made of Stainless Steel 1.4305

DN41



- High quality quick coupling system for pressure or vacuum-conveying of bulk material or liquids, i.e. for vacuum-conveying of granulate materials in the plastics industry
- Less abrasion due to coupling body made of stainless steel
- Coupling sleeve, plug and cap made of aluminium (hard coated)
- Full, straight-through passage without profile narrowing
- Light weight, easy to handle
- Quick coupling principle with ball shut-off for easy operation
- Easy manual replacement of sealing rings
- Perfectly adapted hose stems for PVC- or polyurethane spiral-suction hoses
- Plug and coupling for tube connection with double O-ring sealing and fixing with screw

Max. Working Pressure	Temperature	DN	Operation	Type of valve	Vacuum	Media	
PN 10 bar	-15° – +95° C	41	Two-hands	Straight-through	Vacuum	Plastic granulate	1



SoftFlow Coupling with hose stem

Hose connection	L	D	L1	DS	Passage	Weight	Type No.
Hose i.D. 38	82	65	45	49	34	340	GRK 38 T
Hose i.D. 40	82	65	45	49	36	340	GRK 40 T
Hose i.D. 45	82	65	45	49	41	340	GRK 45 T
Hose i.D. 50	82	65	45	49	41	360	GRK 50 T

For hose clips type HS/ HSE (© page 415, 416)



SoftFlow Vacuum-Coupling for tube connection*

Connection	L	D	L1	DS	Passage	Weight	Type No.
Tube AD 38	70	65	30	49	34	480	GRK 38 R
Tube AD 40	70	65	30	49	36	480	GRK 40 R
Tube AD 45	70	65	30	49	41	520	GRK 45 R
Tube AD 50	70	65	30	49	41	580	GRK 50 R



SoftFlow Coupling with female thread

Thread connection	SW	L	D	L1	DS	Passage	Weight	Type No.
G 1 1/2 f	55	68	65	19	49	41	560	GRK 15 I
G 2 f	60	68	65	19	49	41	650	GRK 20 I



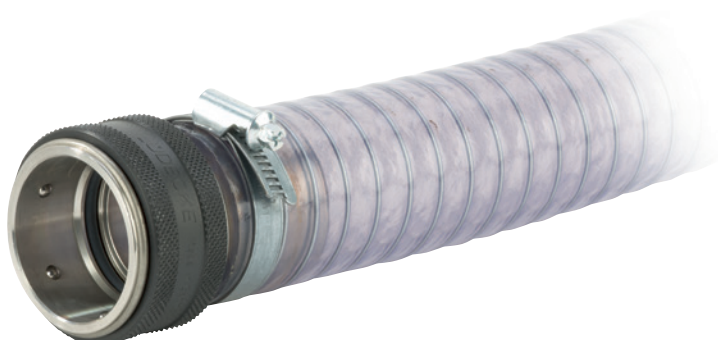
SoftFlow Cap Coupling with chain

L	D	DS	Length chain	Weight	Type No.
48	68	49	170	320	GRK-V

Original Sealing Ring for couplings

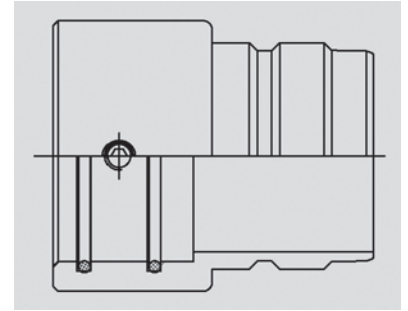
Type	Size	Material		Weight	Type No.
O-ring	45 x 5	Buna N	10	6	GRK-D

Adapted hose stems for other hose dimensions/ types on request



Materials

- Sleeve: Aluminium (hard coated)
- Valve body, plug: Stainless steel 1.4305
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4304
- O-ring: Buna N
- Screw: Stainless steel 1.4301
- Cap plug: Aluminium (hard coated)



DN41

SoftFlow Plug with hose stem

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.	Euro
Hose i.D. 38	83	55	45	36	49	34	310	GRS 38 T	33.02
Hose i.D. 40	83	55	45	36	49	36	315	GRS 40 T	33.02
Hose i.D. 45	83	55	45	36	49	41	330	GRS 45 T	33.02
Hose i.D. 50	83	55	45	36	49	41	360	GRS 50 T	37.35

For hose clips type HS/ HSE (© page 415, 416)



SoftFlow Vacuum-Plug for tube connection*

Connection	L	D	L1	L2	DS	Passage	Weight	Type No.	Euro
Tube AD 38	68.5	58	30	36	49	34	360	GRS 38 R	33.52
Tube AD 40	68.5	58	30	36	49	36	370	GRS 40 R	33.52
Tube AD 45	68.5	58	30	36	49	41	385	GRS 45 R	33.52
Tube AD 50	68.5	58	30	36	49	41	420	GRS 50 R	38.76

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



SoftFlow Plug with female thread

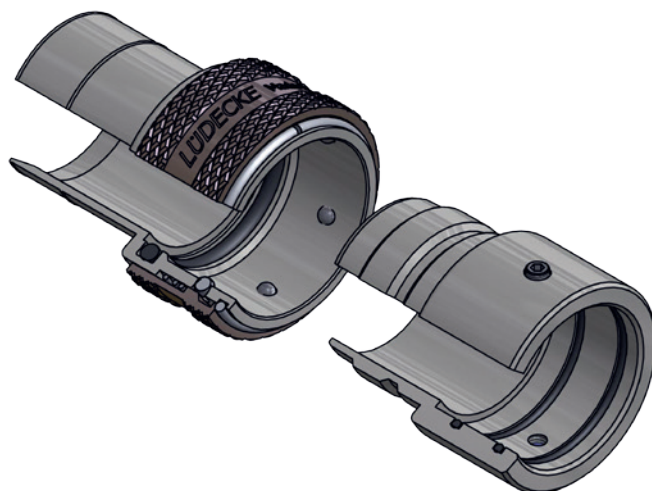
Thread connection	SW	L	D	L1	L2	DS	Passage	Weight	Type No.	Euro
G 1 1/2 f	55	65	59	19	36	49	41	350	GRS 15 I	34.21
G 2 f	60	65	59	19	36	49	41	380	GRS 20 I	39.62



SoftFlow Cap Plug with chain

L	D	L1	DS	Length chain	Weight	Type No.	Euro
60	58	36	49	170	195	GRS-V	21.14

Special types/versions, i.e. with bulkhead-screwing, plug or colour codings, other sizes on request





Fittings for Snow Pump Installations

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



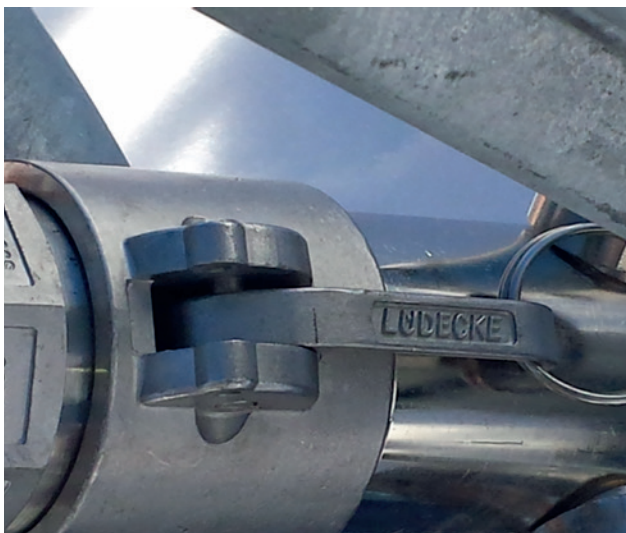
Extreme environmental conditions (i.e. ice, snow, sun, huge temperature variation) require the use of superior quality as well as highly reliable couplings and fittings.

The **LUDECKE** SnowMaster range for snow pump installations guarantee best safety at work of the plants, even under extreme environmental conditions.

Advantages:

- High-quality stainless steel 1.4401 or steel zinc-plated
- Robust, reliable, absolutely tight and durable
- Simple and easy handling
- Optimized flow characteristics due to large bore
- Hose barb profiles are exactly designed and developed to different hose types and different assembly methods

High Pressure Quick Couplings



These special couplings are used on snow pump installations, tunneling or other high-pressure applications with liquids.

The investment casted handle with high-pressure pin (crimped on both sides) ensures, that male and female part stay connected in a locked position. The handle securing with robust cord made of stainless steel and safety clip, guarantees that the handle cannot be open unintentionally.



Drain Adaptor






The high-quality SnowMaster drain adaptors made of stainless steel, allows automatic drainage of the lines while turning off the plant or reducing the pressure to avoid frost damages on the plant and hose lines.

High-Pressure Screwings



The extremely robust hose barb adaptors are used for long term installations of pipe and hose lines. We offer male thread hose barbs for flat hoses or thick-walled hoses made of rubber as well as female thread hose barbs.

Overview Fittings for Snow Pump Installations

	High-Pressure Quick Couplings	Drain Adaptor	High-Pressure Screwings
			
Series/nominal diameter:	US-Mil-Norm C-27487 / DIN EN 14 420-7		
Coupling body:	Stainless Steel 1.4401	Stainless Steel 1.4401 Valve: Brass MS 58	Steel zinc-plated
O-rings:	Buna N	Buna N	PUR
Handle:	Stainless Steel 1.4401	Stainless Steel 1.4401	-
Max. Working Pressure:	PN 60 bar	PN 60 bar	PN 60 bar
Temperature*:	-40°C - + 95°C	-40°C - + 95°C	-40°C - + 95°C
Thread Types:	ISO 228/ DIN 2999	ISO 228/ DIN 2999	ISO 228/ DIN 2999
Page:	344	346	346

* max. working temperature subject to the used media and sealing material

High-Pressure Quick Couplings

made of Stainless Steel 1.4401 – System Kamlok PN 60 bar



Snow Master
by **LUDECKE**

- High-Pressure type, coupling dimensions according to US-Mil-Norm (MIL-C-27487) or DIN EN 14 420-7
- Essentially stronger housing (compared to Standard Kamlock)
- Investment casted handle with high-pressure pins crimped on both sides
- Handle securing with robust cord (stainless steel) and safety clip
- TÜV-inspected for 60 bar working pressure (burst pressure test 150 bar) for liquids *
- **Special coupling system to be used on snow pump installations, tunneling or different high-pressure applications with liquids**

Max. Working Pressure	Temperature	Thread	Norm	Media	
PN 60 bar*	-40°C – +95°C	ISO 228 / DIN 2999	MIL-C-27487/ DIN EN 14 420-7	liquid media	1

Couplings with hose stem for flat hoses or thick-walled rubber hoses

Hose connect.	Type-Size	ID	DN	System	Weight	Type No.
Hose i.D. 25-28	100	37.3	25	-	380	SKK 100-T
Hose i.D. 38-40	150	54	40	-	635	SKK 150-T
Hose i.D. 50-54	200	63.8	50	-	990	SKK 200-T
Hose i.D. 38-40	200	63.8	40	with thread stem	1360	SKK 200/150-T
Hose i.D. 63-67	250	76.8	65	-	2800	SKK 250-T*

Plugs with hose stem for flat hoses or thick-walled rubber hoses

Hose connect.	Type-Size	ID	DN	System	Weight	Type No.
Hose i.D. 25-28	100	36.7	25	-	230	SKS 100-T
Hose i.D. 38-40	150	53.4	40	-	425	SKS 150-T
Hose i.D. 50-54	200	63	50	-	740	SKS 200-T
Hose i.D. 38-40	200	63	40	with thread stem	1080	SKS 200/150-T
Hose i.D. 63-67	250	75.8	65	-	2450	SKS 250-T*

Attention: For hose connection each 9 different stem profiles types and sizes are available as standard version!

For each order the exact hose type and size and preferred assembly method has to be notified to be able to choose the right hose stem version! For new stem profiles: minimum quantity is 50 sets.

Hose assembly methods:

Crimping ferrules made of steel (zinc-plated) for hydraulic crimping

Type-Size	System	Weight	Type No.
100	Flat hose	180	PH-100-S F
100	Rubber hose	215	PH-100-S G
150	Flat hose	219	PH-150-S F
150	Rubber hose	333	PH-150-S G
200	Flat hose	240	PH-200-S F
200	Rubber hose	360	PH-200-S G
250	Flat hose	370	PH-250-S F
250	Rubber hose	450	PH-250-S G

Attention: Notify exact hose type and -size!

Safety Clamps made of forged aluminium (DIN EN 14 420-3)**

Hose connection	Hose o.D./Range	L	B	DN	Screws	Weight	Type No.
Hose 25x6	36-39	50	69	25	M 6x20	151	KSA 36-39
Hose 38x6.5	50-53	50	83	40	M 6x20	167	KSA 50-53
Hose 50x8	63-67	56	102	50	M 8x25	310	KSA 63-67
Hose 63x8	78-82	74	120	65	M 8x25	454	KSA 78-82

Attention: Notify exact hose type and size! Not possible for each hose type!

For flat hose assembly a coverhose is required!

Further assembly methods: Steel band, wire.

*Max. Working Pressure 40 bar

**Max. Working Pressure 25 bar

Optional Stem-Types

for steelband



for crimping ferrule



for wire



for safety clamp



High Pressure Quick Couplings

Materials

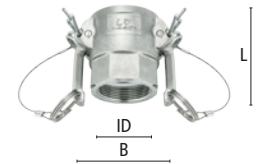
- Coupling, plug: Stainless Steel 1.4401
- Locking sleeve: Steel blue passivated
- Ferrule: Steel zinc-plated and blue passivated
- O-ring: Buna N
- Thread sealing ring: PTFE
- Safety Clamp: Aluminium forged
- Screws: DACRO 500 A coated
- Handle, pin, cord, ring: Stainless Steel 1.4401
- Safety clip: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



Snow Master
by **LUDECKE**

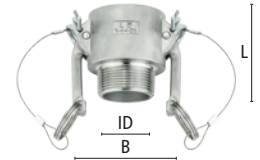
Couplings with female thread and thread sealing ring

Thread connection	L	B	Type-Size	ID	DN	Weight	Type No.
G 1 f	63	70	100	37.3	25	450	SKK 100 I
G 1 1/2 f	73	93	150	54	40	850	SKK 150 I
G 2 f	78	102	200	63.8	50	920	SKK 200 I
G 2 1/2 f	78	110	250	76.5	65	1300	SKK 250 I*



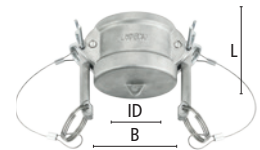
Couplings with male thread

Thread connection	L	B	Type-Size	ID	DN	Weight	Type No.
R 1 1/2 m	67	93	150	54	40	740	SKK 150 A
R 2 m	79	102	200	63.8	50	944	SKK 200 A



Dust Caps

L	B	Type-Size	ID	DN	Weight	Type No.
49	70	100	37.3	25	390	SKK 100-DC
59	93	150	54	40	480	SKK 150-DC
63	102	200	63.8	50	680	SKK 200-DC
67	110	250	76.5	65	920	SKK 250-DC*



Plugs with female thread and thread sealing ring (DIN EN 14 420-7 Form AF)**

Thread connection	L	Type-Size	ID	Passage	DN	Weight	Type No.
G 1 f	52	100	36.7	24	25	222	100-A-SS
G 1 1/2 f	62	150	53.4	38	40	493	150-A-SS
G 2 f	71	200	63	51	50	644	200-A-SS
G 2 1/2 f	75	250	75.8	58	65	945	250-A-SS



Plugs with male thread (DIN EN 14 420-7 Form FF)**

Thread connection	L	Type-Size	ID	Passage	DN	Weight	Type No.
R 1 m	72	100	36.7	24	25	258	100-F-SS
R 1 1/2 m	82	150	53.4	38	40	565	150-F-SS
R 2 m	90	200	63	51	50	650	200-F-SS
R 2 1/2 m	105	250	75.8	58	65	1317	250-F-SS



Dust Plugs (DIN EN 14 420-7 Form DP)**

L	Type-Size	ID	DN	Weight	Type No.
46	100	36.7	25	139	100-DP-SS
57	150	53.4	40	335	150-DP-SS
60	200	63	50	441	200-DP-SS
66	250	75.8	65	657	250-DP-SS



Handle with high-pressure pin, Cord, Ring, Safety clip

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

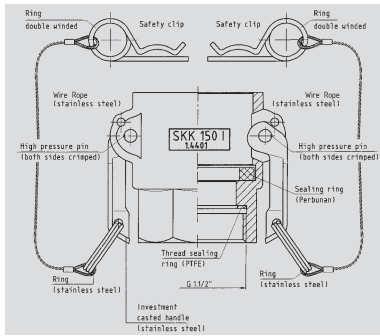


*Max. Working Pressure 40 bar

**Max. Working Pressure 16 bar

Drain Adaptor

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



- High-quality drain adaptor made of stainless steel 1.4401
- Drains the lines automatically when installation is switched off and pressure drops to avoid frost damages on plant and hose lines
- Simply assemble the adaptor at the lowest point between snow pump and hydrant and fix it with two spears (60 cm long) in suitable position

Materials:

- Body: Stainless Steel 1.4401
- Valve: Brass MS 58 nickel-plated
- Seals: Buna N



Max. Working Pressure	Temperature	Media	
PN 60 bar	-40°C – +95°C	liquid media	1

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

Connection	Type-Size	L	ID	ID1	DN	Weight	Art.Nr.
MT / VT	150	197	53.4	54	40	2870	SKK 150 EA
MT / VT	200	216	63	63.8	50	4039	SKK 200 EA
Automatic-Run-Out-Valves also available separately (7 bore)						160	EWV 34
Automatic-Run-Out-Valves also available separately (1 bore)						170	EWV 341

Opening pressure of valves approx. 1 bar!

High-Pressure Screwings

made of Zinc-plated Steel

- Thread Stems for long-term steady installations of pipe and hose lines, extremely robust execution
- Female thread stems with swivelling nut, flat sealing with thread sealing ring
- Appropriate safety clamps and crimping ferrules (☺ page 326)

Materials:

- Hose stem: Steel zinc-plated and blue passivated
- Seals: PUR

Max. Working Pressure	Temperature	Thread	Media	
PN 60 bar	-40°C – +95°C	ISO 228 / DIN 2999	liquid media	1

Male thread screwings for flat hoses or thick-walled rubber hoses

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

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

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

Attention: For hose connection each 9 different stem profiles types and sizes are available as standard version! For each order the exact hose type and size and preferred assembly method has to be notified to be able to choose the right hose stem version! For new stem profiles: minimum quantity is 50 sets

Other sizes on request!



LUDECKE

Die elementare Verbindung.



WaterProfi Quick Connect Couplings

A superior Connection System Compatible with the Standard Plug Profile



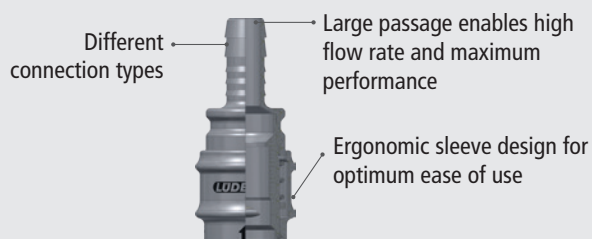
WaterProfi quick connect couplings are completely made of stainless steel and are ideally used in applications with specific hygienic requirements. The one-hand operation simplifies the work and guarantees the optimum ease of use. Additionally, the WaterProfi products offers best sealing characteristics.

Advantages:

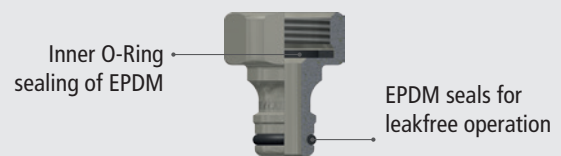
- High-quality stainless steel 1.4305
- Simple to connect, high pressure spectrum, high sealing characteristic and durable
- Robust, safe and reliable
- Compact design and ergonomic sleeve design to avoid dirt nests
- High flow rates due to the largest possible passage
- Compatible with the standard plug profile
- Different connection and valve types

Top Quality for Carefree Working

WaterProfi Quick Connect Coupling

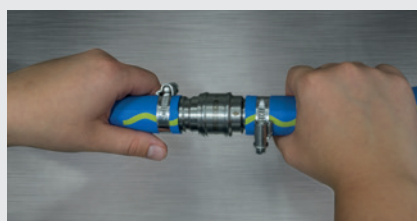


WaterProfi Plug



Connected in Seconds

WaterProfi products are easily to connect without big effort, due to the one-hand operation function design. To connect push the plug into the coupler up to the end, the locking sleeve locks automatically and holds the plug firmly.



To disconnect, grasp the plug firmly with one-hand. With the other one push the locking sleeve backwards and pull the plug off the coupling. After disconnecting, the locking sleeve slips automatically back to starting position.

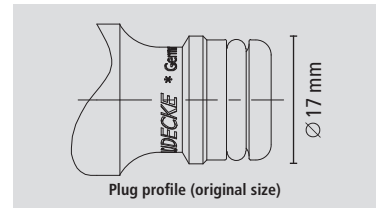
WaterProfi Quick Connect Couplings

made of Stainless Steel, Series WSE

- High quality one-hand operation Quick Connect Couplings of stainless steel
- Easy to connect, high pressure spectrum, superior sealing characteristics and durable
- Robust, safe and reliable
- Flat sleeve contour for the prevention of dirt accumulation
- High water flow due to optimized passage
- Interchangeable with standard plug profile types, available with shut-off valves or straight through
- Quick Connect Coupling for applications with specific hygienic requirements or for hot water e.g. for cleansing in the food industry

Materials

- Body, sleeve, pin holder, valve, pins, plug: Stainless steel 1.4305
- Springs: Stainless steel 1.4310
- O-rings: EPDM



Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 16 bar	+95°C	16	ISO 228	One-hand	single/straight through	Water	Coupl. 1/Plug 5

WaterProfi by LUDECKE

WaterProfi Coupling with hose connection

Hose connection	L	D	L1	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 13	75	34	30	163	WSE 13 T	WSE 13 TAB
Hose i.D. 16	75	34	30	164	WSE 16 T	WSE 16 TAB
Hose i.D. 19	75	34	30	171	WSE 19 T	WSE 19 TAB
Hose i.D. 25	75	34	30	194	WSE 25 T	WSE 25 TAB



WaterProfi Coupling with female thread

Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/4 f	56	30	34	9	170	WSE 34 I	WSE 34 IAB



WaterProfi-Screwing hose stem (for Combination with WaterProfi Couplings with female thread)

Thread connection	Hose connection	L	L1	L2	Passage	Weight	Type No.
G 3/4 m	Hose i.D. 13	41	32	9	10	35	WSE 13 GT
G 3/4 m	Hose i.D. 16	41	32	9	13	39	WSE 16 GT
G 3/4 m	Hose i.D. 19	41	32	9	15	50	WSE 19 GT
G 3/4 m	Hose i.D. 25	41	32	9	19	62	WSE 25 GT



WaterProfi Plugs with hose connection

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 13	58	24	32	24	61	WSE 13 S
Hose i.D. 16	58	24	32	24	65	WSE 16 S
Hose i.D. 19	58	24	32	24	67	WSE 19 S
Hose i.D. 25	58	27	32	24	83	WSE 25 S



WaterProfi Plugs with female thread (With female thread sealing ring)

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 f	38	27	10	24	67	WSE 12 NI
G 3/4 f	38	30	10	24	64	WSE 34 NI



WaterProfi Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/2 m	40	24	10	24	53	WSE 12 NA
G 3/4 m	41	30	11	24	74	WSE 34 NA



WaterProfi Plug Adapter

Connection	L	D	L1	L2	Weight	Type No.
DN 9 - DN 9	52	24	24	24	66	WSEA





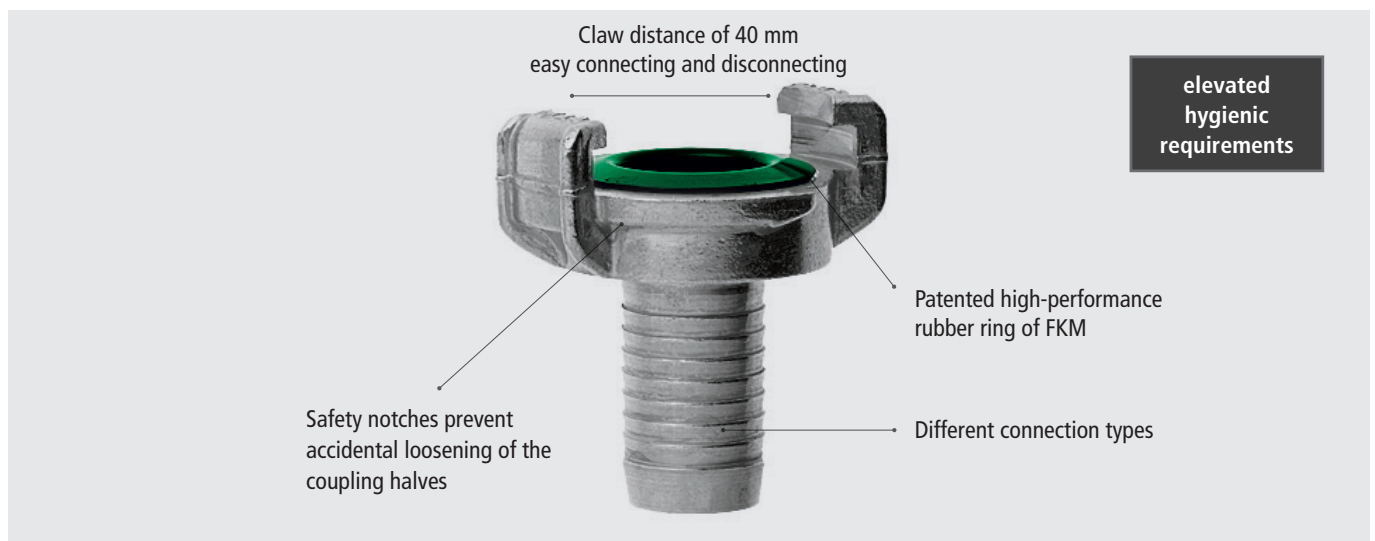
GEKA plus Claw Couplings made of Chromium Steel for Applications with Elevated Hygienic Requirements

The GEKA plus Claw Couplings of chromium steel fit especially for applications in the chemical industry, for water, lye and aggressive media. The coupling contains a patented special FKM rubber ring with optimum elasticity.

Advantages

- Easy to connect, high pressure and vacuum capabilities, reduced "breakdown torque"
- Maximum passage with optimum wall thickness, safe and hose sparing hose barbs
- Ergonomically formed claws, safety notches against accidental loosening

First-Class Materials



Easy Operation – Safe and Firm Hold



The principle of connecting is identical with the functioning of the WaterProfi Claw Couplings. Both couplings are connected at the front end side in order to connect the sealing surfaces. Afterwards one coupling half has to be twisted against the other until end stop – the couplings lock into place.

GEKA plus Claw Couplings

made of Chromium Steel for Applications with Elevated Hygienic Requirements

elevated
hygienic
requirements

- High quality couplings of chromium steel similar to 1.4401
- Easy to couple, high pressure and vacuum-spectrum, reduced "breakdown torque"
- Maximum bore at optimum wall thickness as well as soft hose tail design
- Ergonomic formed claws, optimum security with safety notches against accidental opening
- Patented high performance rubber ring of FKM (DIN ISO 1625) with perfect elasticity
- **Universal coupling for applications in chemical industry, for water, lye or aggressive media**

Materials

- Claw, connector: Chromium steel similar to 1.4401
- O-ring: FKM

Max. Working Pressure	Temperature	Thread	Claw distance	Media	
PN 40 bar	-5°C – +100°C	ISO 228	40 mm	Water/ lye	5

Hose Claw Couplings GEKA plus

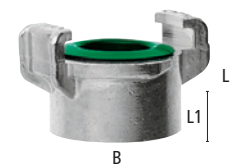
Hose connection	L	B	L1	Passage	Weight	Type No.
Hose i.D. 13	50	53.5	28	10	89	GSK 13 SS
Hose i.D. 19	52.5	53.5	32	17	92	GSK 19 SS
Hose i.D. 25	57.5	53.5	37	21.5	117	GSK 25 SS

For hose clips type SLE (© page 413), and type HSE (© page 416)



Female Claw Couplings GEKA plus with thread sealing ring

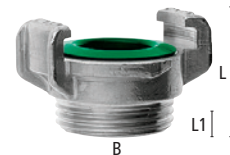
Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 f	30.5	53.5	9.5	14	82	GKI 12 SS
G 3/4 f	31.5	53.5	10.5	19	88	GKI 34 SS
G 1 f	32.5	53.5	11	23	100	GKI 10 SS



Male Claw Couplings GEKA plus

Thread connection	L	B	L1	Passage	Weight	Type No.
G 1/2 m	30.5	53.5	8	15	80	GKA 12 SS
G 3/4 m	33	53.5	8	20	91	GKA 34 SS
G 1 m	31	53.5	8	23	86	GKA 10 SS

Male thread sealing with sealing ring type HPD (© page 231)




Plain End Claw Coupling GEKA plus

Version	L	B	Weight	Type No.
without chain	36.5	53.5	85	GKO SS



Original Rubber Ring for GEKA plus-Couplings of chromium steel

Resistance	L	D	D1	Material	Temp.°C	Media	Colour	Shore A		Weight	Type No.
Water	10.8	33.5	20.5	FKM	-20 – +160	Water	green	65°	10	5	GKVR-N



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



Long Range Water Supply, Secured and Flexible Stowed

ALBA KRAPP products offer high quality and lifelong guarantee. Through environmentally friendly materials they may be classified as completely recyclable and thus, they make a valuable contribution to a sustainable production. ALBA KRAPP hose reels, wall hose reels and wall hose holders made of stainless steel can be used in the food industry.



Quality Surface



High Stability



Perfect Balance



Easy Assembly



Lifetime-Quality



Ecology



High Waterflow



Quality Wheels



Wide Range of Wall Hose Reels



First-class water fittings

Hose Reel ALBA STAR INOX Series II

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



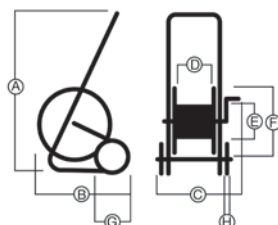
- Totally made of electropolished stainless steel
- Hose friendly drum - no kinking
- High water flow capacity 3/4" (resistant)
- Wide, solid rubber wheels (abrasion-proof)
- Hose reel - double bearing
- Swivelling connector with ball bearing: simple reeling and unrolling
- Comfortable level of transportation: long and practical handle, easy to roll
- Highest tilt firmness
- Additional slip resistant stoppers on trolley frame
- Without hose, pre-assembled in carton box

Materials:

- Hose reel: Stainless steel electropolished
- Wheels: Solid rubber
- Swivelling connector: Brass Cuphin

Max. Working Pressure	Temperature	Max. Hose Length	Media	
25 bar	up to + 100°C	1/2" (13 mm) = 120 m, 5/8" (16 mm) = 100 m, 3/4" (19 mm) = 80 m, 1" (25 mm) = 50 m	Water	1

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19 - Hose i.D. 25	14 kg	ALBA STAR IN2



Ⓐ Total height:	1030 mm	Ⓔ Reel inside:	229 mm
Ⓑ Total length:	609.5 mm	Ⓕ Reel wheel:	555 mm
Ⓒ Total width:	608 mm	Ⓖ Wheel-∅:	200 mm
Ⓓ Reel width:	296 mm	Ⓗ Wheel width:	46 mm

Wall Hose Reel ALBA STATUS INOX Series III

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

- Completely made of electropolished stainless steel
- Hose friendly drum - no kinking
- Central Waterflow
- Wall construction with enlarged and safe fixing set as well as robust double pipe-support
- Optimal overall size for a small wall distance
- 180° infinite swivel position, snap in locking in 6 given positions, prevents collision with the wall
- Rugged and massive hand crank with ergonomic handle for a safe and easy hose reeling
- Hose reel double bearing
- Without hose, pre-assembled in carton box

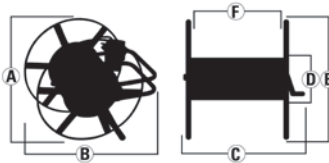
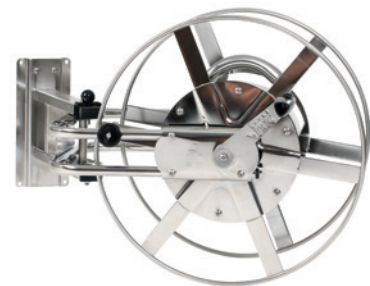
Materials:

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



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

Thread Connection	Version	Weight	Type No.
G 3/4 m	Hose i.D. 13 - Hose i.D. 16 - Hose i.D. 19	11.2 kg	ALBA STATUS IN3



- Ⓐ Total height: 458 mm
- Ⓑ Total length: 554.5 mm
- Ⓒ Total width: 556 mm
- Ⓓ Reel width: 229 mm
- Ⓔ Reel wheel: 458 mm
- Ⓕ Wheel width: 243.5 mm

Wall Hose Holder ALBA MIDI INOX

For the Food Industry

- Totally made of electropolished stainless steel
- Statically solid
- Light construction
- Hose conserving, no hose buckling

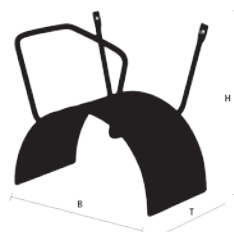
Materials:

- Wall Hose Holder: Stainless Steel 1.4301



Temperature	Max. Hose Length	Media	
up to + 100°C	Mounting height 1.35 m: 1/2" (13 mm) = 140 m, 5/8" (16 mm) = 123 m, 3/4" (19 mm) = 70 m, 1" (25 mm) = 45 m hose	Water	1

Version	B	H	T	Weight	Type No.
Hose i.D. 13 - Hose i.D. 16 -	222	250	166	0.9 kg	ALBA MIDI INOX
Hose i.D. 19 - Hose i.D. 25					



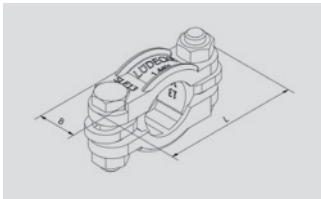
Hose Clamps

made of Stainless Steel

- Robust clamps of stainless steel 1.4401
- Easy and secure, for various fittings and applications

Material

- Clamps, Spacers: Stainless steel 1.4401
- Screws: Stainless steel A4-70



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

Hose Clamps DIN 20039 A. two parts with loose spacers. Material Stainless Steel 1.4401

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

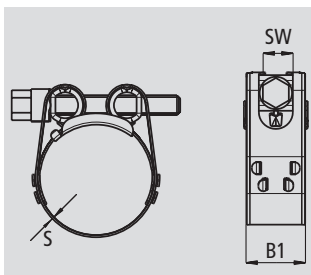
Heavy Duty Clamps

made of Steel (DIN 3017)

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

Materials

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



Norm
DIN 3017

Heavy Duty Clamps

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



High-Performance Hose Clips

made of Stainless Steel W5 (DIN 3017)

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

Materials

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

Norm	
DIN 3017	



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

Range	torque			Band-width			band-thickness			Weight	Type No.	Euro
	mm	inch	Max. Nm.	B	SW	L	H	B1	S			
8-12	5/18-1/2	10.5	6	1.5	17	9.5	8	0.7	100	6	HSE 12	1.72
8-16	5/18-5/8	14	7	2-2.5	21	14	9	0.8	100	11	HSE 16	1.73
12-20	1/2-3/4	14	7	2-2.5	24	14	9	0.8	100	13	HSE 20	1.87
16-25	5/8-1	14	7	3-3.5	24	14	9	0.8	100	14	HSE 25	1.93
20-32	3/4-1 1/4	14	7	3-3.5	24	14	9	0.8	100	15	HSE 32	2.01
25-40	1-1 5/8	14	7	3-3.5	26	14	9	0.8	50	18	HSE 40	2.22
32-50	1 1/4-2	14	7	3-3.5	26	14	9	0.8	50	18	HSE 50	2.35
40-60	1 5/8-2 3/8	14	7	3-3.5	26	14	9	1.0	25	20	HSE 60	2.51
50-70	2-2 3/4	14	7	3-3.5	26	14	9	1.0	25	21	HSE 70	2.66
60-80	2 3/8-3 1/8	14	7	3-3.5	26	14	9	1.0	25	23	HSE 80	2.91
70-90	2 3/4-3 1/2	14	7	3-3.5	26	14	9	1.0	25	25	HSE 90	3.08
80-100	3 1/8-4	14	7	3-3.5	26	14	9	1.0	10	28	HSE 100	3.19

Special hexagon screw driver of chromed steel with plastic handle

Version	SW	Weight	Type No.	Euro
Rigid	7	89	SR STARR	11.15
Flexible	7	134	SR FLEX.	24.79

