NEW!

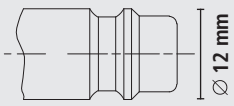
Industrial Quick Connect Couplings

Series ESI double shut-off

DN 7.8

- Top-quality, extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- Double shut-off to avoid leaking media when disconnecting
- Please note: Valve construction designed for media flow from coupling to plug
- Collar version: protection for valve body
- High flow rates with low pressure drop due to patented OptiFlow by LÜDECKE® valve technology
- Suitable for low vacuum at low couple force compared to all other compatible products
- Attention: Couplings can be connected with straight-through plugs DN 7.8. However, double shut-off plugs cannot be connected with standard couplings DN 7.8
- For compressed air supply in industry and handcrafts, we recommend direct use at tool
- Also interchangeable with plug profile ES DN 7.2

Plug Profile (original size)

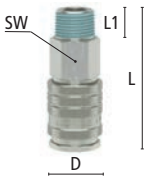


Materials

- Body, valve body: Brass MS 58 nickel-plated
- Valve: Brass MS 58 plain
- Sleeve, plug: Hardened steel nickel-plated
- Seals: NBR (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

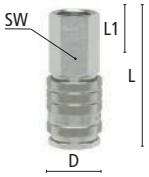
Also in Stainless Steel
Series ESIE
Page 302

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.8	ISO 228/DIN EN 10226	670 l/min	One-hand	Double shut-off	Air/Others	Europe	Coupl. 5 / Plug 10



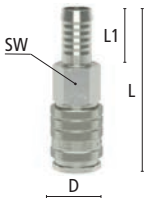
Couplings with tapered male thread (thread coated)

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



Couplings with parallel female thread

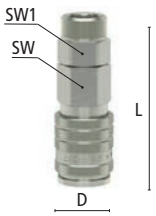
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	19	24	10	116	ESI 14 IAB
G 3/8 f	56	19	24	10	107	ESI 38 IAB
G 1/2 f	58	24	24	12	125	ESI 12 IAB



Couplings with hose barb

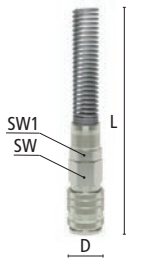
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73	19	24	25	95	ESI 6 TAB
Hose i.D. 8	73	19	24	25	97	ESI 8 TAB
Hose i.D. 9	73	19	24	25	98	ESI 9 TAB
Hose i.D. 10	73	19	24	25	97	ESI 10 TAB
Hose i.D. 13	73	19	24	25	101	ESI 13 TAB

For hose clips type ZOS (page 130), type HS (page 131) or crimping ferrules type LPH (page 133)



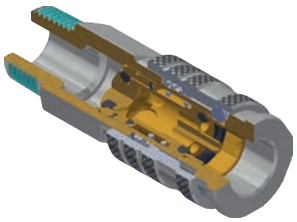
Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 5x8	64	19	24	14	110	ESI 58 TQAB
Hose 6x8	64	19	24	14	110	ESI 6 TQAB
Hose 6.5x10	69	19	24	17	126	ESI 6510 TQAB
Hose 8x10	69	19	24	19	134	ESI 8 TQAB
Hose 8x12	68	19	24	19	129	ESI 812 TQAB
Hose 9x13	70	19	24	19	130	ESI 913 TQAB



Couplings with squeeze nut and spring guard

Hose connection	L	SW	D	SW1	Weight	Type No.
Hose 5x8	150	19	24	14	124	ESI 58 TQFAB
Hose 6x8	150	19	24	14	123	ESI 6 TQFAB
Hose 6.5x10	170	19	24	17	152	ESI 6510 TQFAB
Hose 8x10	170	19	24	19	162	ESI 8 TQFAB
Hose 8x12	144	19	24	19	156	ESI 812 TQFAB
Hose 9x13	170	19	24	19	162	ESI 913 TQFAB



Opti® Flow by LÜDECKE — PATENTED PATENTED

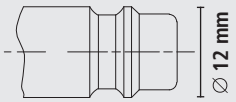
Industrial Quick Connect Couplings

double shut-off Series ESI

NEW!

DN 7.8

Plug Profile (original size)



NEW!

Plugs with male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	43	22	9	20	45	ESN 18 NAAB
G 1/4 m	43	22	9	20	45	ESN 14 NAAB
G 3/8 m	44	22	10	20	48	ESN 38 NAAB
G 1/2 m	44	24	10	20	60	ESN 12 NAAB
M 14x1.5 m	43	22	9	20	46	ESN 1415 NAAB
M 16x1.5 m	43	22	9	20	46	ESN 1615 NAAB
M 18x1.5 m	43	22	9	20	46	ESN 1815 NAAB

Male thread sealing with PVC sealing ring type HPD (page 212)



NEW!

Plugs with female thread

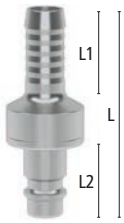
Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	44	22	10.5	20	64	ESN 18 NIAB
G 1/4 f	44	22	10.5	20	64	ESN 14 NIAB
G 3/8 f	44	22	10.5	20	57	ESN 38 NIAB
G 1/2 f	44.5	24	12	20	62	ESN 12 NIAB
M 14x1.5 f	43.5	22	11	20	60	ESN 1415 NIAB
M 16x1.5 f	43.5	22	11	20	60	ESN 1615 NIAB
M 18x1.5 f	43.5	22	11	20	60	ESN 1815 NIAB



Plugs with hose barb

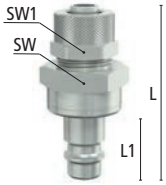
Hose connection	L	L1	L2	Weight	Type No.
Hose i.D. 4	58	25	20	34	ESN 4 SAB
Hose i.D. 6	58	25	20	34	ESN 6 SAB
Hose i.D. 8	58	25	20	34	ESN 8 SAB
Hose i.D. 9	58	25	20	38	ESN 9 SAB
Hose i.D. 10	58	25	20	44	ESN 10 SAB
Hose i.D. 13	58	25	20	44	ESN 13 SAB

For hose clips type ZOS (page 130), type HS (page 131) or crimping ferrules type LPH (page 133)



Plugs with squeeze nut

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



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