

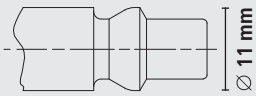
Safety Self-Venting Couplings

Series ESOIS with Sleeve-Concept - single shut-off

According to
ISO 4414/
DIN EN 983/ BIA

DN 5.5

Plug Profile (original size)



- Top-quality, ergonomic and very robust one-hand quick connect couplings made of brass MS 58 nickel-plated with hardened steel sleeve and perfect sealing as well as compact dimensions
- Plug profile according to ARO 210, ORION 44510
- Very easy to connect, disconnection in two steps by pushing and pulling the sleeve in direction of arrow. Self-venting after step 1, safe decoupling after step 2
- Safe protection against whiplash-effect at best usability
- For safe handling of flexible compressed air lines
- High flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- **Attention: safe operation can only be guaranteed when using hardened steel plugs**

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

Max. Work. Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of Valve	Media	Area	
PN 12 bar	-20°C – +100°C	5.5	ISO 228/DIN EN 10226	1140 l/min	One-hand	Single Shut-off	Compr. Air	BeNeLux, CH	Coupl. 5/ Plug 10

Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	64	19	28	11	148	ESOIS 14 A
R 3/8 m	65	19	28	12	151	ESOIS 38 A
R 1/2 m	67	22	28	15	179	ESOIS 12 A

Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	61	19	28	10	152	ESOIS 14 I
G 3/8 f	61	19	28	10	146	ESOIS 38 I
G 1/2 f	63	24	28	12	181	ESOIS 12 I

Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	77	19	28	25	143	ESOIS 6 T
Hose i.D. 8	77	19	28	25	143	ESOIS 8 T
Hose i.D. 9	77	19	28	25	145	ESOIS 9 T
Hose i.D. 10	77	19	28	25	145	ESOIS 10 T
Hose i.D. 13	77	19	28	25	148	ESOIS 13 T

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

Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/4 m	33	14	12	22	21	ESOI 14 NAS
R 3/8 m	39	17	12	22	26	ESOI 38 NAS
R 1/2 m	42	22	15	22	40	ESOI 12 NAS

Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	35	17	10	22	23	ESOI 14 NIS
G 3/8 f	35	19	10	22	23	ESOI 38 NIS
G 1/2 f	37	24	12	22	37	ESOI 12 NIS

Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	47	11	24	22	14	ESOI 6 SS
Hose i.D. 8	47	11	24	22	15	ESOI 8 SS
Hose i.D. 9	47	11	24	22	16	ESOI 9 SS
Hose i.D. 10	48	11	24	22	18	ESOI 10 SS
Hose i.D. 13	47	15	23	22	24	ESOI 13 SS

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

