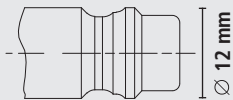


Breathing Air Couplings

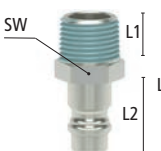
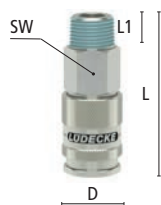
Series ESI1A with Two-Hand Operation - single shut-off

DN 7.4

Plug Profile (original size)



According to
DIN EN 14594



- Top-quality, extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- To disconnect, push the plug into the coupling, only then the unlocking mechanism will work, this guarantees effective protection against accidental disconnection
- Coupling „ESI2A“ cannot be combined with plug „ESI1A“, plug „ESI2A“ can be combined with coupling „ESI1A“
- High flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- Special versions, e.g. straight-through or double shut-off valve on request

Materials

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

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	7.4	ISO 228 / DIN EN 10226	1800 l/min	Two-hand	Single Shut-off	Compr. air	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	23	11	106	ESI1A 14 A
R 3/8 m	61	19	23	12	108	ESI1A 38 A
R 1/2 m	64	22	23	15	136	ESI1A 12 A

Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	19	23	10	109	ESI1A 14 I
G 3/8 f	56	19	23	10	103	ESI1A 38 I
G 1/2 f	58	24	23	12	138	ESI1A 12 I

Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73	19	23	25	100	ESI1A 6 T
Hose i.D. 8	73	19	23	25	101	ESI1A 8 T
Hose i.D. 9	73	19	23	25	100	ESI1A 9 T
Hose i.D. 10	73	19	23	25	104	ESI1A 10 T
Hose i.D. 13	73	19	23	25	110	ESI1A 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	35.5	14	11	20	22	ESI1A 14 NA
R 3/8 m	37.5	17	12	20	27	ESI1A 38 NA
R 1/2 m	40.5	22	15	20	59	ESI1A 12 NA

Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/4 f	33.5	17	10	20	26	ESI1A 14 NI
G 3/8 f	33.5	19	10	20	25	ESI1A 38 NI
G 1/2 f	35.5	24	12	20	41	ESI1A 12 NI

Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	47	14	25	20	16	ESI1A 6 S
Hose i.D. 8	47	14	25	20	18	ESI1A 8 S
Hose i.D. 9	47	14	25	20	12	ESI1A 9 S
Hose i.D. 10	47	14	25	20	21	ESI1A 10 S
Hose i.D. 13	47	16	25	20	28	ESI1A 13 S

Versions in stainless steel 1.4305 on request.