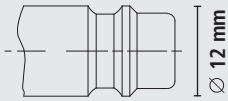


# Safety Industrial Quick Connect Couplings

## Series ESI with Sleeve Lock Mechanism - single shut-off

### DN 7.8

Plug Profile (original size)



- Top-quality, extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- Simple and effective protection against accidental disconnection through tightening the locking nut (disconnecting is only possible through loosening the locking nut)
- Please connect with standard plugs series ESI DN 7.8 (page 55) as well as series ES DN 7.2 (page 45)
- Very high flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- Suitable for low vacuum at low couple force compared to all other compatible products
- For compressed air supply or liquid media, e.g. for sewer cleaning and reconstruction

#### Materials

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

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	2000 l/min	One-hand	Single shut-off	Air/Others	Worldwide	5

#### Couplings with male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	60	19	23	11	115	ESI 14 AM
R 3/8 m	61	19	23	12	114	ESI 38 AM
R 1/2 m	59	24	23	15	131	ESI 12 AM

#### Couplings with female thread

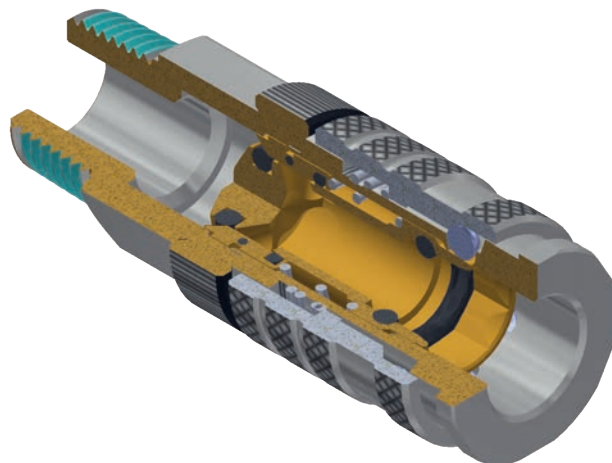
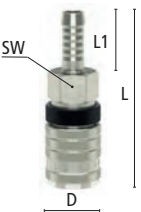
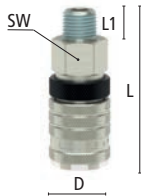
Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	57	19	23	10	118	ESI 14 IM
G 3/8 f	57	19	23	10	109	ESI 38 IM
G 1/2 f	59	24	23	12	129	ESI 12 IM

#### Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	73	19	23	25	101	ESI 6 TM
Hose i.D. 8	73	19	23	25	103	ESI 8 TM
Hose i.D. 9	73	19	23	25	104	ESI 9 TM
Hose i.D. 10	73	19	23	25	105	ESI 10 TM
Hose i.D. 13	73	19	23	25	108	ESI 13 TM

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

Special versions on request.

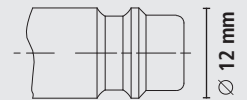


# Safety Industrial Quick Connect Couplings

with Sleeve Lock Mechanism - single shut-off **Series ESI**

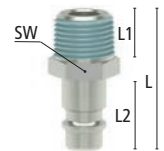
**DN 7.8**

Plug Profile (original size)



## Plugs with tapered male thread (thread coated)

Thread connection	L	SW	L1	L2	Weight	Type No.
R 1/8 m	33	13	9	20	14	ESI 18 NARS
R 1/4 m	35	14	11	20	18	ESI 14 NARS
R 3/8 m	36	17	12	20	23	ESI 38 NARS
R 1/2 m	40	22	15	20	47	ESI 12 NARS



## Plugs with parallel male thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 m	33	13	9	20	14	ESI 18 NAS
G 1/4 m	35	14	11	20	18	ESI 14 NAS
G 3/8 m	36	17	12	20	23	ESI 38 NAS
G 1/2 m	40	22	15	20	47	ESI 12 NAS



## Plugs with parallel female thread

Thread connection	L	SW	L1	L2	Weight	Type No.
G 1/8 f	32	13	9	20	16	ESI 18 NIS
G 1/4 f	33	17	10	20	24	ESI 14 NIS
G 3/8 f	33	19	10	20	25	ESI 38 NIS
G 1/2 f	35	24	12	20	40	ESI 12 NIS



## Plugs with hose barb

Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	44	12	24	20	13	ESI 6 SS
Hose i.D. 8	44	12	24	20	18	ESI 8 SS
Hose i.D. 9	44	12	24	20	16	ESI 9 SS
Hose i.D. 10	44	12	24	20	18	ESI 10 SS
Hose i.D. 13	44	15	23	20	26	ESI 13 SS



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