

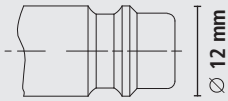
Safety Self-Venting Couplings

Series ESIS with Sleeve Concept - single shut-off

According to
ISO 4414/
DIN EN 983/ BIA

DN 7.8

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
- 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. Working Pressure | Temperature | DN | Thread | Flow Rate | Operation | Type of valve | Media | Area | |
|-----------------------|----------------|-----|----------------------|------------|-----------|-----------------|------------|--------|-----------------|
| PN 12 bar | -20°C – +100°C | 7.8 | ISO 228/DIN EN 10226 | 1800 l/min | One-hand | Single Shut-off | Compr. air | Europe | Coupl.5/ Plug10 |

Couplings with tapered male thread (thread coated)

| Thread connection | L | SW | D | L1 | Weight | Type No. |
|-------------------|----|----|----|----|--------|-----------|
| R 1/4 m | 61 | 19 | 28 | 11 | 138 | ESIS 14 A |
| R 3/8 m | 62 | 19 | 28 | 12 | 147 | ESIS 38 A |
| R 1/2 m | 64 | 22 | 28 | 15 | 144 | ESIS 12 A |

Couplings with parallel female thread

| Thread connection | L | SW | D | L1 | Weight | Type No. |
|-------------------|----|----|----|----|--------|-----------|
| G 1/4 f | 57 | 19 | 28 | 10 | 146 | ESIS 14 I |
| G 3/8 f | 57 | 19 | 28 | 10 | 144 | ESIS 38 I |
| G 1/2 f | 59 | 24 | 28 | 12 | 160 | ESIS 12 I |

Couplings with hose barb

| Hose connection | L | SW | D | L1 | Weight | Type No. |
|-----------------|----|----|----|----|--------|-----------|
| Hose i.D. 6 | 74 | 19 | 28 | 25 | 136 | ESIS 6 T |
| Hose i.D. 8 | 74 | 19 | 28 | 25 | 136 | ESIS 8 T |
| Hose i.D. 9 | 74 | 19 | 28 | 25 | 138 | ESIS 9 T |
| Hose i.D. 10 | 74 | 19 | 28 | 25 | 138 | ESIS 10 T |
| Hose i.D. 13 | 74 | 19 | 28 | 25 | 141 | ESIS 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 1/8 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 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)

