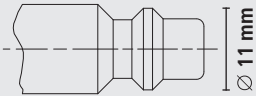


# Industrial Quick Connect Couplings

## Series ESAI single shut-off

**DN 5.5**

Plug Profile (original size)



- Top-quality extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- Plug profile according to ISO 6150 B and US Mil.-Spec. C4109
- High flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- Special versions on request i.e. couplings with squeeze nut
- For compressed air supply as well as liquid or gaseous media in industry and craftsmanship

### Materials

- Body, valve body: Brass MS 58 nickel-plated
- Sleeve, plug: Hardened steel nickel-plated
- Valve: Brass MS 58 plain
- 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 35 bar           | -20°C – +100°C | 5,5 | ISO 228 / DIN EN 10226 | 1100 l/min | One-hand  | Single Shut-off | Compr. Air | USA, F, SP | Coupl.5/Plug10 |

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

| Thread connection | L  | SW | D  | L1 | Weight | Type No.  |
|-------------------|----|----|----|----|--------|-----------|
| R 1/4 m           | 60 | 19 | 23 | 11 | 95     | ESAI 14 A |
| R 3/8 m           | 60 | 19 | 23 | 12 | 98     | ESAI 38 A |
| R 1/2 m           | 63 | 22 | 23 | 17 | 120    | ESAI 12 A |

### Couplings with parallel female thread

| Thread connection | L  | SW | D  | L1 | Weight | Type No.  |
|-------------------|----|----|----|----|--------|-----------|
| G 1/4 f           | 57 | 19 | 23 | 10 | 110    | ESAI 14 I |
| G 3/8 f           | 57 | 19 | 23 | 10 | 105    | ESAI 38 I |
| G 1/2 f           | 59 | 24 | 23 | 12 | 120    | ESAI 12 I |

### Couplings with hose barb

| Hose connection | L  | SW | D  | L1 | Weight | Type No.  |
|-----------------|----|----|----|----|--------|-----------|
| Hose i.D. 6     | 73 | 19 | 23 | 25 | 92     | ESAI 6 T  |
| Hose i.D. 8     | 73 | 19 | 23 | 25 | 95     | ESAI 8 T  |
| Hose i.D. 9     | 73 | 19 | 23 | 25 | 96     | ESAI 9 T  |
| Hose i.D. 10    | 73 | 19 | 23 | 25 | 99     | ESAI 10 T |
| Hose i.D. 13    | 73 | 19 | 23 | 25 | 105    | ESAI 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           | 38 | 13 | 9  | 24 | 19     | ESAI 18 NAS |
| R 1/4 m           | 41 | 14 | 12 | 24 | 25     | ESAI 14 NAS |
| R 3/8 m           | 42 | 17 | 13 | 24 | 35     | ESAI 38 NAS |
| R 1/2 m           | 48 | 22 | 17 | 24 | 55     | ESAI 12 NAS |

### Plugs with parallel female thread

| Thread connection | L  | SW | L1 | L2 | Weight | Type No.    |
|-------------------|----|----|----|----|--------|-------------|
| G 1/8 f           | 36 | 14 | 9  | 24 | 22     | ESAI 18 NIS |
| G 1/4 f           | 36 | 17 | 9  | 24 | 25     | ESAI 14 NIS |
| G 3/8 f           | 36 | 19 | 9  | 24 | 25     | ESAI 38 NIS |
| G 1/2 f           | 39 | 24 | 12 | 24 | 40     | ESAI 12 NIS |

### Plugs with hose barb

| Hose connection | L  | D  | L1 | L2 | Weight | Type No.   |
|-----------------|----|----|----|----|--------|------------|
| Hose i.D. 6     | 48 | 14 | 23 | 24 | 15     | ESAI 6 SS  |
| Hose i.D. 8     | 48 | 14 | 23 | 24 | 17     | ESAI 8 SS  |
| Hose i.D. 9     | 48 | 14 | 23 | 24 | 18     | ESAI 9 SS  |
| Hose i.D. 10    | 48 | 14 | 23 | 24 | 20     | ESAI 10 SS |
| Hose i.D. 13    | 48 | 14 | 23 | 24 | 25     | ESAI 13 SS |

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

