# Quick Connect Couplings

The original

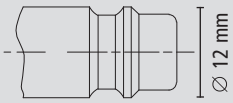
## Series ES single shut-off

**DN 7.2**

- Universal one-hand quick connect couplings made of brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Suitable for vacuum despite of lowest coupling force towards all compatible forms
- Sleeve design protects the coupling body from dirt
- For compressed air lines in industry, handcrafts, hobby as well as for water and other media

**Materials**

- Body, sleeve, valve body, valve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N (EPDM and FKM on request)
- Plug:Brass MS 58 plain/ nickel-plated or steel zinc-plated and yellow passivated (free of chrome VI)

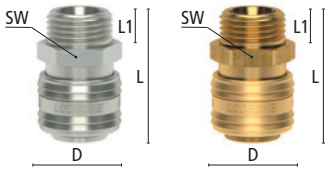



Plug Profile (original size)

Also in Stainless Steel Series ESE page 294

| Max. Working Pressure | Temperature | DN | Thread | Flow Capacity | Operation | Type of valve | Media | Area | |
|---|---|---|---|---|---|---|---|---|---|
| PN 35 bar | -20°C – +100°C | 7.2 | ISO 228/DIN 2999/DIN 13 | 1000 l/min | One-hand | Single shut-off | Air a.o. | Worldwide | 10 |

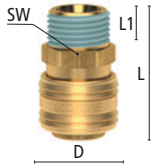
### Couplings with male thread




| Thread connection | L | SW | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| G 1/8 m | 38 | 22 | 27 | 7 | 70 | ESN 18 A | ES 18 A |
| G 1/4 m | 40 | 22 | 27 | 9 | 73 | ESN 14 A | ES 14 A |
| G 3/8 m | 41 | 22 | 27 | 9 | 76 | ESN 38 A | ES 38 A |
| G 1/2 m | 41 | 24 | 27 | 10 | 87 | ESN 12 A | ES 12 A |
| M 14x1.5 m | 40 | 22 | 27 | 9 | 75 | ESN 1415 A | ES 1415 A |
| M 16x1.5 m | 40 | 22 | 27 | 9 | 75 | ESN 1615 A | ES 1615 A |
| M 18x1.5 m | 40 | 22 | 27 | 10 | 78 | ESN 1815 A | ES 1815 A |

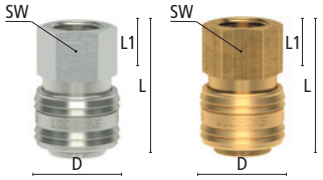
Male thread sealing with PVC-packing rings type HPD (page 231)

### Couplings with cylindrical male thread (tapered), Loctite-coated



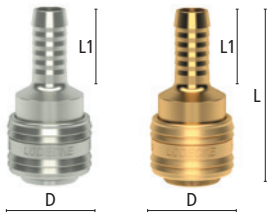

| Thread connection | L | SW | D | L1 | Weight | Type No. plain |
|---|---|---|---|---|---|---|
| R 1/4 m | 42 | 22 | 27 | 11 | 76 | ES 14 AB |
| R 3/8 m | 44 | 22 | 27 | 12 | 79 | ES 38 AB |
| G 1/2 m | 45 | 22 | 27 | 15 | 96 | ES 12 AB |

### Couplings with female thread




| Thread connection | L | SW | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| G 1/8 f | 39 | 22 | 27 | 9 | 90 | ESN 18 I | ES 18 I |
| G 1/4 f | 41 | 22 | 27 | 10.5 | 92 | ESN 14 I | ES 14 I |
| G 3/8 f | 41 | 22 | 27 | 10.5 | 85 | ESN 38 I | ES 38 I |
| G 1/2 f | 42.5 | 24 | 27 | 12 | 87 | ESN 12 I | ES 12 I |
| G 3/4 f | 43.5 | 32 | 27 | 13 | 110 | ESN 34 I | ES 34 I |
| M 14x1.5 f | 41.5 | 22 | 27 | 11 | 90 | ESN 1415 I | ES 1415 I |
| M 16x1.5 f | 41.5 | 22 | 27 | 11 | 84 | ESN 1615 I | ES 1615 I |
| M 18x1.5 f | 41.5 | 22 | 27 | 12 | 80 | ESN 1815 I | ES 1815 I |

### Couplings with hose barb




| Hose connection | L | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|
| Hose i.D. 6 | 55 | 27 | 25 | 64 | ESN 6 T | ES 6 T |
| Hose i.D. 8 | 55 | 27 | 25 | 67 | ESN 8 T | ES 8 T |
| Hose i.D. 9 | 55 | 27 | 25 | 68 | ESN 9 T | ES 9 T |
| Hose i.D. 10 | 58 | 27 | 28 | 70 | | ES 10 TH* |
| Hose i.D. 10 | 55 | 27 | 25 | 70 | ESN 10 T | ES 10 T |
| Hose i.D. 13 | 58 | 27 | 28 | 75 | | ES 13 TH* |
| Hose i.D. 13 | 55 | 27 | 25 | 75 | ESN 13 T | ES 13 T |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)

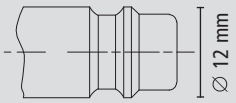
***ES 10 TH and ES 13 TH for the use of various quick-fit hoses (e.g. Parker Push-Lock, Gates Lock-on)**

The original

# Quick Connect Couplings

## single shut-off Series ES

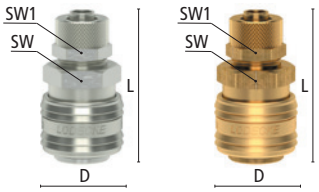
## DN 7.2




Plug Profile (original size)

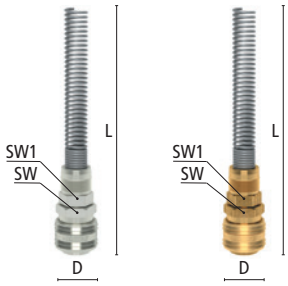
### Couplings with squeeze nut

| Hose connection | L | SW | D | SW1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| Hose 4x6 | 44 | 22 | 27 | 12 | 73 | ESN 4 TQ | ES 4 TQ |
| Hose 6x8 | 44 | 22 | 27 | 14 | 78 | ESN 6 TQ | ES 6 TQ |
| Hose 8x10 | 48 | 22 | 27 | 17 | 83 | ESN 8 TQ | ES 8 TQ |
| Hose 9x12 | 48 | 22 | 27 | 17 | 85 | ESN 9 TQ | ES 9 TQ |




### Couplings with squeeze nut and spring guard

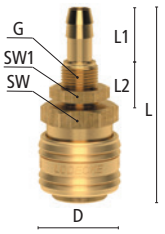
| Hose connection | L | SW | D | SW1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| Hose 4x6 | 125 | 22 | 27 | 12 | 85 | ESN 4 TQF | ES 4 TQF |
| Hose 5x8 | 130 | 22 | 27 | 14 | 88 | | ES 58 TQF |
| Hose 6x8 | 130 | 22 | 27 | 14 | 90 | ESN 6 TQF | ES 6 TQF |
| Hose 6.5x10 | 130 | 22 | 27 | 17 | 95 | | ES 6510 TQF |
| Hose 8x10 | 136 | 22 | 27 | 19 | 120 | ESN 8 TQF | ES 8 TQF |
| Hose 8x12 | 140 | 22 | 27 | 19 | 130 | | ES 812 TQF |
| Hose 9x12 | 145 | 22 | 27 | 19 | 141 | ESN 9 TQF | ES 9 TQF |




### Bulkhead couplings

| Hose connection | L | SW | D | L1 | L2 | SW1 | G | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 6 | 62 | 22 | 27 | 17 | 14 | 17 | M 12x1 m | 87 | ES 6 TSV |
| Hose i.D. 8 | 62 | 22 | 27 | 17 | 14 | 17 | M 12x1 m | 88 | ES 8 TSV |
| Hose i.D. 10 | 70 | 22 | 27 | 25 | 14 | 19 | M 14x1 m | 90 | ES 10 TSV |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)




NEW!

### Couplings with plug DN 5-ESM system adapter

| Connection | L | D | L1 | DS | Weight | Type No. |
|---|---|---|---|---|---|---|
| Plug ESM DN 5 | 44 | 27 | 14 | 9 | 69 | ESK-ESMS |




### Couplings with angle hose barb 45°

| Hose connection | L | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|
| Hose i.D. 6 | 44 | 27 | 27 | 100 | ES 6 T-45 |
| Hose i.D. 9 | 44 | 27 | 27 | 100 | ES 9 T-45 |
| Hose i.D. 13 | 44 | 27 | 30 | 110 | ES 13 T-45 |

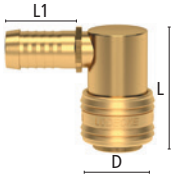
For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)




### Couplings with angle hose barb 90°

| Hose connection | L | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|
| Hose i.D. 6 | 44 | 27 | 26 | 105 | ES 6 T-90 |
| Hose i.D. 9 | 44 | 27 | 26 | 105 | ES 9 T-90 |
| Hose i.D. 13 | 44 | 27 | 28 | 115 | ES 13 T-90 |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)



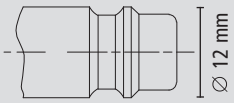

Angle-Thread Couplings available on request.

# Quick Connect Couplings

The original

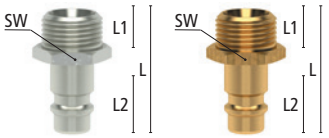
## Series ES single shut-off

## DN 7.2




Plug Profile (original size)

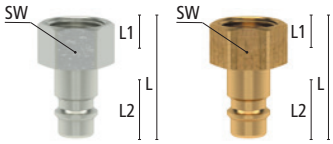
### Plugs with male thread




| Thread connection | L | SW | L1 | L2 | Material | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|---|
| G 1/8 m | 31 | 13 | 7 | 20 | Brass MS 58 | 17 | ESN 18 NA | ES 18 NA |
| G 1/4 m | 33 | 17 | 9 | 20 | Brass MS 58 | 21 | ESN 14 NA | ES 14 NA |
| G 3/8 m | 33 | 19 | 9 | 20 | Brass MS 58 | 26 | ESN 38 NA | ES 38 NA |
| G 1/2 m | 35 | 24 | 10 | 20 | Brass MS 58 | 41 | ESN 12 NA | ES 12 NA |
| M 14x1.5 m | 33 | 17 | 9 | 20 | Brass MS 58 | 26 | | ES 1415 NA |
| M 16x1.5 m | 33 | 19 | 9 | 20 | Brass MS 58 | 32 | | ES 1615 NA |
| M 18x1.5 m | 34 | 22 | 10 | 20 | Brass MS 58 | 36 | | ES 1815 NA |
| G 1/8 m | 31 | 13 | 7 | 20 | Steel zinc-pl. | 15 | | ES 18 NAS |
| G 1/4 m | 33 | 17 | 9 | 20 | Steel zinc-pl. | 19 | | ES 14 NAS |
| G 3/8 m | 33 | 19 | 9 | 20 | Steel zinc-pl. | 24 | | ES 38 NAS |
| G 1/2 m | 36 | 24 | 10 | 20 | Steel zinc-pl. | 39 | | ES 12 NAS |

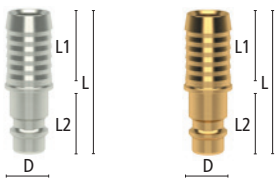
Male thread sealing with PVC-packing rings type HPD (page 231)

### Plugs with female thread




| Thread connection | L | SW | L1 | L2 | Material | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|---|
| G 1/8 f | 31 | 13 | 9 | 20 | Brass MS 58 | 16 | ESN 18 NI | ES 18 NI |
| G 1/4 f | 33 | 17 | 10 | 20 | Brass MS 58 | 24 | ESN 14 NI | ES 14 NI |
| G 3/8 f | 33 | 19 | 10 | 20 | Brass MS 58 | 23 | ESN 38 NI | ES 38 NI |
| G 1/2 f | 35 | 24 | 12 | 20 | Brass MS 58 | 38 | ESN 12 NI | ES 12 NI |
| M 14x1.5 f | 33 | 17 | 11 | 20 | Brass MS 58 | 25 | | ES 1415 NI |
| M 16x1.5 f | 33 | 19 | 11 | 20 | Brass MS 58 | 36 | | ES 1615 NI |
| M 18x1.5 f | 35 | 22 | 12 | 20 | Brass MS 58 | 43 | | ES 1815 NI |
| G 1/8 f | 31 | 13 | 9 | 20 | Steel zinc-pl. | 15 | | ES 18 NIS |
| G 1/4 f | 33 | 17 | 10 | 20 | Steel zinc-pl. | 22 | | ES 14 NIS |
| G 3/8 f | 33 | 19 | 10 | 20 | Steel zinc-pl. | 21 | | ES 38 NIS |
| G 1/2 f | 35 | 24 | 12 | 20 | Steel zinc-pl. | 35 | | ES 12 NIS |

### Plugs with hose barb




| Hose connection | L | D | L1 | L2 | Material | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|---|
| Hose i.D. 4 | 44 | 12 | 22.5 | 20 | Brass MS 58 | 10 | ESN 4 S | ES 4 S |
| Hose i.D. 6 | 44 | 12 | 24 | 20 | Brass MS 58 | 14 | ESN 6 S | ES 6 S |
| Hose i.D. 8 | 44 | 12 | 24 | 20 | Brass MS 58 | 18 | ESN 8 S | ES 8 S |
| Hose i.D. 9 | 44 | 12 | 24 | 20 | Brass MS 58 | 17 | ESN 9 S | ES 9 S |
| Hose i.D. 10 | 47 | 12 | 26 | 20 | Brass MS 58 | 21 | | ES 10 SH* |
| Hose i.D. 10 | 44 | 12 | 23 | 20 | Brass MS 58 | 19 | ESN 10 S | ES 10 S |
| Hose i.D. 13 | 47 | 15 | 26 | 20 | Brass MS 58 | 26 | | ES 13 SH* |
| Hose i.D. 13 | 44 | 15 | 23 | 20 | Brass MS 58 | 24 | ESN 13 S | ES 13 S |
| Hose i.D. 6 | 44 | 12 | 24 | 20 | Steel zinc-pl. | 13 | | ES 6 SS |
| Hose i.D. 8 | 44 | 12 | 24 | 20 | Steel zinc-pl. | 18 | | ES 8 SS |
| Hose i.D. 9 | 44 | 12 | 24 | 20 | Steel zinc-pl. | 16 | | ES 9 SS |
| Hose i.D. 13 | 44 | 15 | 23 | 20 | Steel zinc-pl. | 26 | | ES 13 SS |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)

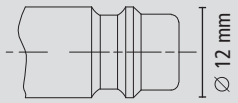
***ES 10 TH and ES 13 TH for the use of various quick-fit hoses (e.g. Parker Push-Lock, Gates Lock-on)**

The original

# Quick Connect Couplings

## single shut-off Series ES

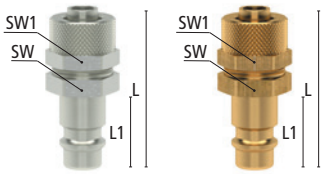
## DN 7.2




Plug Profile (original size)

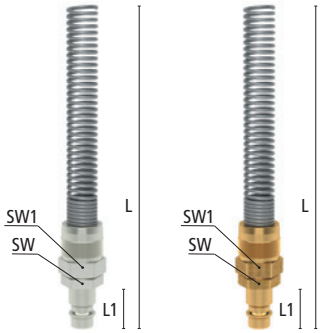
### Plugs with squeeze nut

| Hose connection | L | SW | L1 | SW1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| Hose 4x6 | 34 | 12 | 20 | - | 18 | ESN 4 SQ | ES 4 SQ |
| Hose 6x8 | 34 | 14 | 20 | - | 19 | ESN 6 SQ | ES 6 SQ |
| Hose 8x10 | 43 | 17 | 20 | 17 | 38 | ESN 8 SQ | ES 8 SQ |
| Hose 9x12 | 43 | 17 | 20 | 17 | 36 | ESN 9 SQ | ES 9 SQ |




### Plugs with squeeze nut and spring guard

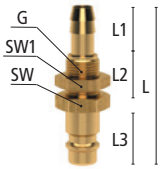
| Hose connection | L | SW | L1 | SW1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| Hose 4x6 | 115 | - | 20 | 12 | 30 | ESN 4 SQF | ES 4 SQF |
| Hose 5x8 | 115 | 17 | 20 | 14 | 34 | | ES 58 SQF |
| Hose 6x8 | 115 | - | 20 | 14 | 37 | ESN 6 SQF | ES 6 SQF |
| Hose 6.5x10 | 115 | 17 | 20 | 17 | 48 | | ES 6510 SQF |
| Hose 8x10 | 132 | 17 | 20 | 19 | 83 | ESN 8 SQF | ES 8 SQF |
| Hose 8x12 | 132 | 17 | 20 | 19 | 84 | | ES 812 SQF |
| Hose 9x12 | 132 | 17 | 20 | 19 | 86 | ESN 9 SQF | ES 9 SQF |




### Bulkhead plugs

| Hose connection | L | SW | D | L1 | L2 | L3 | SW1 | G | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|---|---|
| Hose i.D. 6 | 56 | 14 | 17 | 17 | 14 | 20 | 17 | M 12x1 m | 30 | ES 6 SSV |
| Hose i.D. 8 | 56 | 17 | 17 | 17 | 14 | 20 | 17 | M 12x1 m | 35 | ES 8 SSV |
| Hose i.D. 10 | 56 | 17 | 17 | 17 | 14 | 20 | 19 | M 14x1 m | 42 | ES 10 SSV |

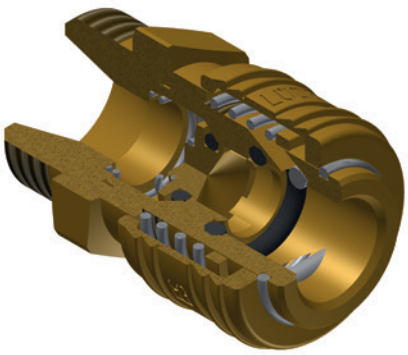
For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)




### System-Adapters

| Connection | L | D | L1 | L2 | DS | DS1 | Weight | Type No. |
|---|---|---|---|---|---|---|---|---|
| DN 5 - DN 7.2 | 36 | 14 | 20 | 14 | 12 | 9 | 16 | ESM-ES |



**Recoil eliminator for all plug types to avoid the "whip-lash-effect" during disconnection**

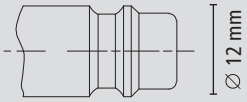
**by controlled automatic air-relief of the hose line available on request!**

# Quick Connect Couplings

The original

## Series ES straight-through

**DN 7.2**



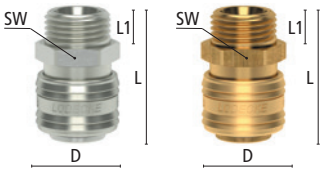

Plug Profile (original size)

- Universal one-hand quick connect couplings in brass MS 58 plain or nickel-plated
- Robust, safe and reliable
- Sleeve shape to avoid contamination of the coupling mechanics
- Straight-through for optimized flow capacity, particularly for the application with water or other liquids
- To connect with plug DN 7.2
- To supply compressed air for industries, handcrafts and hobbies as well as water and other media

**Materials**

- Body, sleeve: Brass MS 58 plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Pins: Stainless steel 1.4305
- O-rings: Buna N (EPDM and FKM on request)
- Plug: Brass MS 58 plain or nickel-plated/ steel zinc-plated and yellow passivated (free of chrome VI)

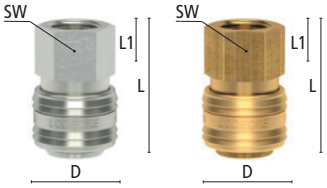
| Max. Working Pressure | Temperature | DN | Thread | Flow Capacity | Operation | Type of valve | Media | Area | |
|---|---|---|---|---|---|---|---|---|---|
| PN 35 bar | -20°C – +100°C | 7.2 | ISO 228/ DIN 13 | 630 l/min | One-hand | Straight-through | Air a.o. | Worldwide | 10 |




**Couplings with male thread**

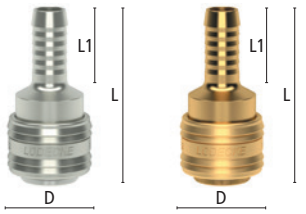
| Thread connection | L | SW | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| G 1/4 m | 40 | 22 | 27 | 9 | 73 | ESN 14 AO | ES 14 AO |
| G 3/8 m | 41 | 22 | 27 | 9 | 76 | ESN 38 AO | ES 38 AO |
| G 1/2 m | 41 | 24 | 27 | 10 | 87 | ESN 12 AO | ES 12 AO |

Male thread sealing with PVC-packing rings type HPD (page 231)




**Couplings with female thread**

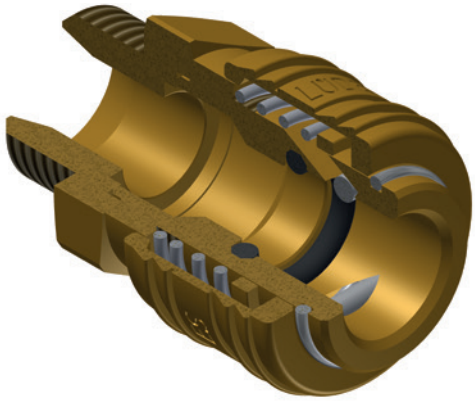
| Thread connection | L | SW | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|---|
| G 1/4 f | 41 | 22 | 27 | 10.5 | 92 | ESN 14 IO | ES 14 IO |
| G 3/8 f | 41 | 22 | 27 | 10.5 | 85 | ESN 38 IO | ES 38 IO |
| G 1/2 f | 42.5 | 24 | 27 | 12 | 87 | ESN 12 IO | ES 12 IO |




**Couplings with hose barb**

| Hose connection | L | D | L1 | Weight | Type No. n. plated | Type No. plain |
|---|---|---|---|---|---|---|
| Hose i.D. 6 | 55 | 27 | 25 | 64 | ESN 6 TO | ES 6 TO |
| Hose i.D. 9 | 55 | 27 | 25 | 68 | ESN 9 TO | ES 9 TO |
| Hose i.D. 13 | 55 | 27 | 25 | 75 | ESN 13 TO | ES 13 TO |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)



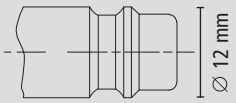
The original

# Quick Connect Couplings

## double shut-off Series ES

**DN 7.2**

- Universal one-hand-quick connect couplings made of brass MS 58 plain
- Double shut-off to avoid the escape of media when disconnecting
- Robust, safe and reliable
- Suitable to maintain the TA-Luft on industrial production plants
- Attention: Couplings can be connected with straight-through plugs DN 7.2, valved plugs cannot be connected with single shut-off couplings DN 7.2
- Several fields of application, above all for liquid media in construction, control technology, switchboard cooling etc.




Plug Profile (original size)

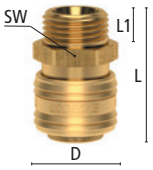
**Materials**

- Body, sleeve, valve body, valve, plug: Brass MS 58 plain
- O-rings: Buna N - extra charge for EPDM and FKM sealing rings
- Springs, retaining ring: Stainless steel 1.4310 • Pins: Stainless steel 1.4305

| Max. Working Pressure | Temperature | DN | Thread | Flow Capacity | Operation | Type of valve | Media | Area | |
|---|---|---|---|---|---|---|---|---|---|
| PN 35 bar | -20°C – +100°C | 7.2 | ISO 228 | 2150 l/min | One-hand | Double shut-off | Air a.o. | Worldwide | 10 |

Also in Stainless Steel Series ESE page 294

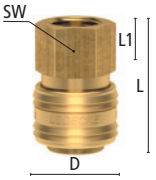
### Couplings with male thread




| Thread connection | L | SW | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 1/4 m | 40 | 22 | 27 | 9 | 73 | ES 14 AAB |
| G 3/8 m | 41 | 22 | 27 | 9 | 76 | ES 38 AAB |
| G 1/2 m | 41 | 24 | 27 | 10 | 87 | ES 12 AAB |
| M 16x1.5 m | 40 | 22 | 27 | 9 | 78 | ES 1615 AAB |

Male thread sealing with PVC-packing rings type HPD (page 231)

### Couplings with female thread



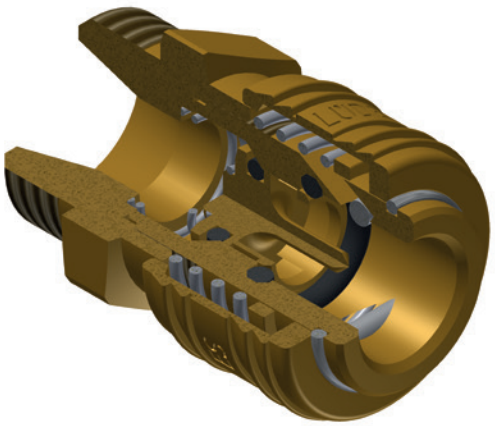

| Thread connection | L | SW | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 1/4 f | 41 | 22 | 27 | 10.5 | 92 | ES 14 IAB |
| G 3/8 f | 41 | 22 | 27 | 10.5 | 85 | ES 38 IAB |
| G 1/2 f | 42.5 | 24 | 27 | 12 | 87 | ES 12 IAB |
| M 16x1.5 f | 41.5 | 22 | 27 | 11 | 85 | ES 1615 IAB |

### Couplings with hose barb




| Hose connection | L | D | L1 | Weight | Type No. |
|---|---|---|---|---|---|
| Hose i.D. 6 | 55 | 27 | 25 | 64 | ES 6 TAB |
| Hose i.D. 9 | 55 | 27 | 25 | 68 | ES 9 TAB |
| Hose i.D. 13 | 55 | 27 | 25 | 75 | ES 13 TAB |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)

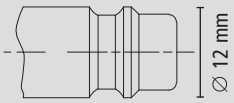


# Quick Connect Couplings

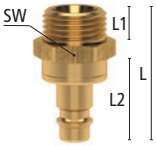
The original

## Series ES double shut-off

## DN 7.2




Plug Profile (original size)




**Plugs with male thread**

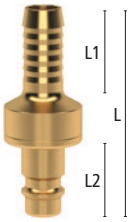
| Thread connection | L | SW | L1 | L2 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 1/4 m | 43 | 22 | 9 | 20 | 45 | ES 14 NAAB |
| G 3/8 m | 44 | 22 | 10 | 20 | 48 | ES 38 NAAB |
| G 1/2 m | 44 | 24 | 10 | 20 | 60 | ES 12 NAAB |
| M 16x1.5 m | 43 | 22 | 9 | 20 | 46 | ES 1615 NAAB |

Male thread sealing with PVC-packing rings type HPD (page 231)




**Plugs with female thread**

| Thread connection | L | SW | L1 | L2 | Weight | Type No. |
|---|---|---|---|---|---|---|
| G 1/4 f | 44 | 22 | 10.5 | 20 | 64 | ES 14 NIAB |
| G 3/8 f | 44 | 22 | 10.5 | 20 | 57 | ES 38 NIAB |
| G 1/2 f | 44.5 | 24 | 12 | 20 | 62 | ES 12 NIAB |
| M 16x1.5 f | 43.5 | 22 | 11 | 20 | 60 | ES 1615 NIAB |




**Plugs with hose barb**

| Hose connection | L | L1 | L2 | Weight | Type No. |
|---|---|---|---|---|---|
| Hose i.D. 6 | 58 | 25 | 20 | 34 | ES 6 SAB |
| Hose i.D. 9 | 58 | 25 | 20 | 38 | ES 9 SAB |
| Hose i.D. 13 | 58 | 25 | 20 | 44 | ES 13 SAB |

For hose clips type ZOS (page 414), type HS (page 415) or crimping ferrules type LPH (page 418)

Further dimensions on request!

