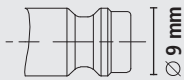


# Mini Quick Connect Couplings

## Series ESM straight-through

**DN 5**

Plug Profile (original size)



Also in Stainless Steel  
Series ESME  
Page 295

- One-hand quick connect couplings with reduced dimensions made of brass MS 58 plain/ nickel-plated
- Straight-through passage for optimised flow capacity, particularly for water/ liquid applications
- Please connect with plug series ESM DN 5 with straight-through passage (page 38)
- Suitable for low vacuum at low couple force compared to all other compatible products
- On request, couplings also available with coloured anodised aluminium sleeves
- Can be used in multiple applications in pneumatics, measure, control and regulation technology

### Materials

- Body, sleeve, valve body, valve: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.3541
- Seals: NBR - additional charge for EPDM (0.40 Euro) and FKM seals (0.94 Euro)
- Plug: Brass MS 58 plain/ nickel-plated or steel zinc-plated and yellow passivated (free of chrome VI)

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	⊕
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN 13	620 l/min	One-hand	straight-through	Air / Others	Europe	10

### Couplings with male thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 m	37	14	16	7	27	ESMN 18 AO	ESM 18 AO
G 1/4 m	38	17	16	9	36	ESMN 14 AO	ESM 14 AO
G 3/8 m	38	19	16	9	43	ESMN 38 AO	ESM 38 AO
M 10x1 m	37	14	16	7	35	ESMN 101 AO	ESM 101 AO
M 12x1.5 m	39	17	16	10	37	ESMN 121 AO	ESM 121 AO
M 14x1.5 m	39	17	16	10	37	ESMN 141 AO	ESM 141 AO

Male thread sealing with PVC sealing ring type HPD (⊕ page 212)

### Couplings with female thread

Thread connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
G 1/8 f	37	14	16	9	32	ESMN 18 IO	ESM 18 IO
G 1/4 f	38	17	16	9	38	ESMN 14 IO	ESM 14 IO
G 3/8 f	39.5	19	16	10.5	39	ESMN 38 IO	ESM 38 IO
M 10x1 f	38	14	16	9	34	ESMN 101 IO	ESM 101 IO
M 12x1.5 f	38	17	16	9	39	ESMN 121 IO	ESM 121 IO
M 14x1.5 f	38	17	16	9	37	ESMN 141 IO	ESM 141 IO

### Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	46	14	16	17	27	ESMN 4 TO	ESM 4 TO
Hose i.D. 5	46	14	16	17	27	ESMN 5 TO	ESM 5 TO
Hose i.D. 6	46	14	16	17	27	ESMN 6 TO	ESM 6 TO
Hose i.D. 8	46	14	16	17	29	ESMN 8 TO	ESM 8 TO
Hose i.D. 9	46	14	16	17	29	ESMN 9 TO	ESM 9 TO

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

### Couplings with squeeze nut

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	43	14	16	12	32	ESMN 35 TQO	ESM 35 TQO
Hose 4x6	43	14	16	12	32	ESMN 4 TQO	ESM 4 TQO
Hose 6x8	43	14	16	14	34	ESMN 6 TQO	ESM 6 TQO

### Couplings with squeeze nut and spring guard

Hose connection	L	SW	D	SW1	Weight	Type No. n. plated	Type No. plain
Hose 3x5	120	14	16	12	39	ESMN 35 TQFO	ESM 35 TQFO
Hose 4x6	120	14	16	12	39	ESMN 4 TQFO	ESM 4 TQFO
Hose 6x8	130	14	16	14	44	ESMN 6 TQFO	ESM 6 TQFO

### Couplings with bulkhead screwing

Hose connection	L	SW	D	L1	L2	SW1	G	Weight	Type No. n. plated	Type No. plain
Hose i.D. 4	60	14	16	17	14	14	M 10x1 m	40	ESMN 4 TSVO	ESM 4 TSVO
Hose i.D. 6	60	17	16	17	14	17	M 12x1 m	45	ESMN 6 TSVO	ESM 6 TSVO
Hose i.D. 9	60	17	16	17	14	19	M 12x1 m	47	ESMN 9 TSVO	ESM 9 TSVO

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

