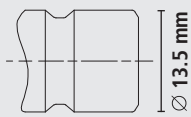
Temperature Regulation Quick Connect Couplings

Plug size 13.5 mm Series ESD

- One-hand quick connect couplings made of brass MS 58
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off valves
- Hose couplings available with standard stem profile for standard hoses or quick-fit profile for quick-fit hoses
- All couplings available with security lock with a surcharge, just add "S" on Type No. (Surcharge: 2.19 Euro gross)

DN 9

Plug Profile (original size)



Materials

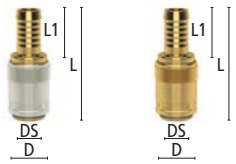
- Body, valve body, valve: Brass MS 58 plain
- Sleeve, plug: Brass MS 58 plain/ nickel-plated
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Seals: FKM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C*	9	ISO 228 / DIN 13	One-hand	Single/double/straight-through	Tempered media	Coupl. 5 / Plug 10

International Plug Profile

Couplings with straight standard hose stem without/with valve

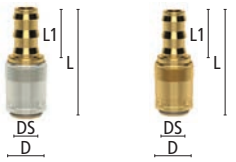
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61.5	22	25	13.5	7	72	ESD 9 TL	ESD 9 TLAB
Hose i.D. 13	61.5	22	25	13.5	9	81	ESD 13 TL	
Hose i.D. 13	61.5	22	25	13.5	9	81		ESD 13 TLAB



NEW!

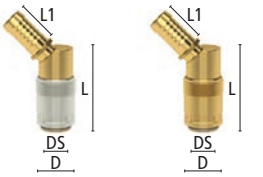
Couplings with straight quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	64.5	22	28	13.5	7	88	ESD 10 T	ESD 10 TAB
Hose i.D. 13	64.5	22	28	13.5	9	90	ESD 13 T	ESD 13 TAB



Couplings with 45° standard hose stem without/with valve

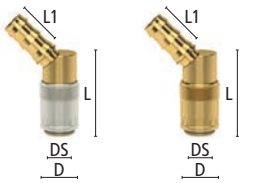
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	103	ESD 9 TL-45	ESD 9 TL-45AB
Hose i.D. 13	51	22	30	13.5	9	109	ESD 13 TL-45	ESD 13 TL-45AB



NEW!

Couplings with 45° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	51	22	28	13.5	7	112	ESD 10 T-45	ESD 10 T-45AB
Hose i.D. 13	51	22	28	13.5	9	118	ESD 13 T-45	ESD 13 T-45AB



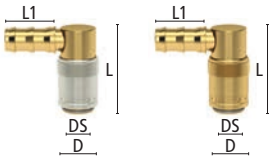
Couplings with 90° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	51	22	30	13.5	7	105	ESD 9 TL-90	ESD 9 TL-90AB
Hose i.D. 13	51	22	30	13.5	9	111	ESD 13 TL-90	ESD 13 TL-90AB

NEW!

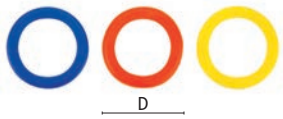
Couplings with 90° quick-fit hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	51	22	28	13.5	7	115	ESD 10 T-90	ESD 10 T-90AB
Hose i.D. 13	51	22	28	13.5	9	121	ESD 13 T-90	ESD 13 T-90AB



Marking rings for easy and clear identification of quick-fit hose lines

Version	D	Colour		Weight	Type No.
For Hose i.D. 10	17	blue	50	0.5	AR-BL 10
For Hose i.D. 10	17	red	50	0.5	AR-RO 10
For Hose i.D. 10	17	yellow	50	0.5	AR-GE 10
For Hose i.D. 13	20	blue	50	0.7	AR-BL 13
For Hose i.D. 13	20	red	50	0.7	AR-RO 13
For Hose i.D. 13	20	yellow	50	0.7	AR-GE 13



To put on coupling or plug stem before assembling the quick-fit hose

Suitable hose clips, double-ear hose clips or crimping ferrules for standard hoses – (page 194 - 197)

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

*subject to media (oil: 200°C, water: 150°C, air: 200°C)