

Temperature Regulation Quick Connect Couplings

Plug size 13.5 mm – with Automatic Locking Mechanism **Series ESDT**

- One-hand quick connect couplings with patented automatic safety locking mechanism
- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optional with straight-through, single or double shut-off valves
- To be coupled with plug series ESD DN 9 (page 177)
- Versions with additional O-ring sealing at connection port to prevent leakage in high-temperature applications

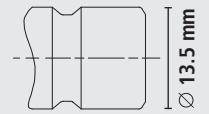
Materials

- Body, valve body, valve: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Plug: Brass MS 58 plain/ nickel-plated
- Balls: Stainless steel 1.4034
- Springs, Retaining ring: Stainless steel 1.4310
- Seals: High-Performance FKM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +220°C*	9	ISO 288/ DIN 13	One-hand	Single/double/straight-through	Tempered media	5

DN 9

Plug Profile (original size)



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. 13	64.5	24	25	13.5	9	94	ESDT 13 TL	ESDT 13 TLAB

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. 13	57	24	25	13.5	9	147	ESDT 13 TL45	ESDT 13 TL45AB

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. 13	57	24	25	13.5	9	149	ESDT 13 TL90	ESDT 13 TL90AB

Couplings with straight male long thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57.5	22	24	12.5	13.5	9	108	ESDT38AL	ESDT38ALAB
M 16x1.5 m	57.5	22	24	12.5	13.5	9	107	ESDT1615AL	ESDT1615ALAB

Couplings with 45° male long thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57	22	24	12.5	13.5	9	144	ESDT38AL45	ESDT38AL45AB
M 16x1.5 m	57	22	24	12.5	13.5	9	140	ESDT1615AL45	ESDT1615AL45AB

Couplings with 90° male long thread without/with valve (inner cone DIN 3863)

Thread connect.	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	57	22	24	12.5	13.5	9	146	ESDT38AL90	ESDT38AL90AB
M 16x1.5 m	57	22	24	12.5	13.5	9	143	ESDT1615AL90	ESDT1615AL90AB

Other types / sizes on request

*subject to media (oil: 220°C, water: 180°C, air: 220°C)



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