

Temperature Regulation Quick Connect Couplings

plug size 13 mm – Stainless Steel 1.4305 with Automatic Locking Mechanism **Series ESHT**

- One-hand quick connect couplings made of stainless steel 1.4305 with patented automatic safety locking mechanism
- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and sleeve made of stainless steel
- For temperature regulation applications with hot or cold water as well as tempered oil e.g. in clean-room applications
- Optional with straight-through, single or double shut-off valves
- Please connect with plug series ESHE DN 9 (page 318)
- Versions with additional O-ring sealing at connection port to prevent leakage in high-temperature applications

Materials

- Body, sleeve, valve body, valve, plug: Stainless Steel 1.4305
- Springs, retaining ring: Stainless Steel 1.4310
- Balls: Stainless Steel 1.4034
- Seals: High-Performance FKM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +220°C*	9	ISO 228/ DIN 13	One-hand	single/double/straight-through	Tempered media	5

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	63	23.5	25	13	9	77	ESHT 13 TL	ESHT 13 TLAB

Couplings with 45° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o. Valve	Type No. w. Valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHT 13 TL45	ESHT 13 TL45AB

Couplings with 90° standard hose stem without/with valve

Hose connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o. Valve	Type No. w. Valve
Hose i.D. 13	55.5	22	23.5	25	13	9	134	ESHT 13 TL90	ESHT 13 TL90AB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o. Valve	Type No. w. Valve
G 3/8 m	56	22	23.5	12.5	13	9	95	ESHT38AL	ESHT38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	94	ESHT1615AL	ESHT1615ALAB

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

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o. Valve	Type No. w. Valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHT38AL45	ESHT38AL45AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHT1615AL45	ESHT1615AL45AB

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

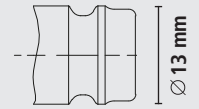
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o. Valve	Type No. w. Valve
G 3/8 m	55.5	22	23.5	12.5	13	9	131	ESHT38AL90	ESHT38AL90AB
M 16x1.5 m	55.5	22	23.5	12.5	13	9	129	ESHT1615AL90	ESHT1615AL90AB

Other types/ sizes on request

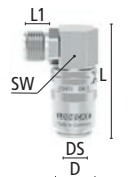
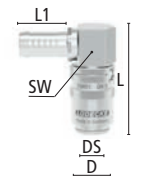
*subject to media (oil: 220°C, water: 180°C, air: 220°C)

DN 9

Plug Profile (original size)



European Plug Profile



Temp[®] Secure
by **LUDECKE**

