

# Temperature Regulation Quick Connect Couplings

## Plug size 13 mm – with Automatic Locking Mechanism **Series ESHT**

- 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 ESH DN 9 (page 157)
- 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 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	81	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	22	23.5	25	13	9	138	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	22	23.5	25	13	9	140	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
<b>NEW!</b> G 1/4 m	56	22	23.5	12.5	13	9	98	ESHT14AL	ESHT14ALAB
G 3/8 m	56	22	23.5	12.5	13	9	94	ESHT38AL	ESHT38ALAB
M 16x1.5 m	56	22	23.5	12.5	13	9	93	ESHT1615AL	ESHT1615ALAB
<b>NEW!</b> M 18x1.5 m	56	22	23.5	12.5	13	9	100	ESHT1815AL	ESHT1815ALAB

### 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
<b>NEW!</b> G 1/4 m	55	22	23.5	12	13	9	130	ESHT14AL45	ESHT14AL45AB
G 3/8 m	55	22	23.5	12.5	13	9	134	ESHT38AL45	ESHT38AL45AB
M 16x1.5 m	55	22	23.5	12	13	9	132	ESHT1615AL45	ESHT1615AL45AB

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

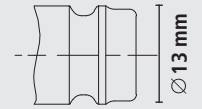
Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
<b>NEW!</b> G 1/4 m	55	22	23.5	12.5	13	9	130	ESHT14AL90	ESHT14AL90AB
G 3/8 m	55	22	23.5	12.5	13	9	134	ESHT38AL90	ESHT38AL90AB
M 16x1.5 m	55	22	23.5	12	13	9	132	ESHT1615AL90	ESHT1615AL90AB

Other types/ sizes on request

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

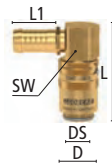
# DN 9

### Plug Profile (original size)



Also in Stainless steel  
**Series ESHTe**  
Page 319

European  
Plug Profile



**Temp<sup>®</sup> Secure**  
by **LUDECKE**

