

# Temperature Regulation Quick Connect Couplings

plug size 13 mm – High Resistant Special Brass **Series ESHT**

with Automatic Locking Mechanism

**DN9**

- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and very robust locking sleeve made of high resistant special brass
- For temperature regulation applications with hot or cold water as well as tempered oil
- Optionally available with straight-through, single or double shut-off
- Versions with additional O-ring sealing at connection port to prevent leakage in high temperature applications

## Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: High resistant special brass plain/ nickel-plated
- Spring, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- O-rings: Special-Hitec-FKM-O-ring

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-thr.	Tempered media	5

## Couplings with hose connection

### 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	D	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 male threads

### Couplings with straight male 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	22	23.5	12.5	13	9	94	ESHT38AL	ESHT38ALAB
M 16x1.5 m	55	22	23.5	12.5	13	9	93	ESHT1615AL	ESHT1615ALAB

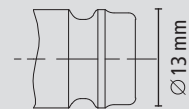
### Couplings with 45° male thread without/with valve (inner cone DIN 3863)

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	55	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 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	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!



Plug Profile (original size)

**Temp Secure**  
by LUDECKE



European  
Plug Profile

Also in  
Stainless Steel  
Series ESHT  
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