

# Temperature Regulation Quick Connect Couplings

## Plug size 19 mm – with Automatic Locking Mechanism **Series ESHGT**

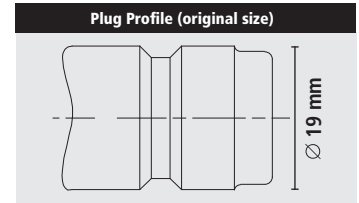
- One-hand quick connect couplings with patented automatic safety locking mechanism
- Forced guidance design with visual colour coding on the locking sleeve
- Combined pressure-torsion spring and strengthened release sleeve made of high resistant special brass
- **For temperature regulation applications 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 ESHG DN 13 (page 162)
- 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
- Springs, retaining ring: Stainless steel 1.4310
- Balls: Stainless steel 1.4034
- Seals: High-Performance FKM

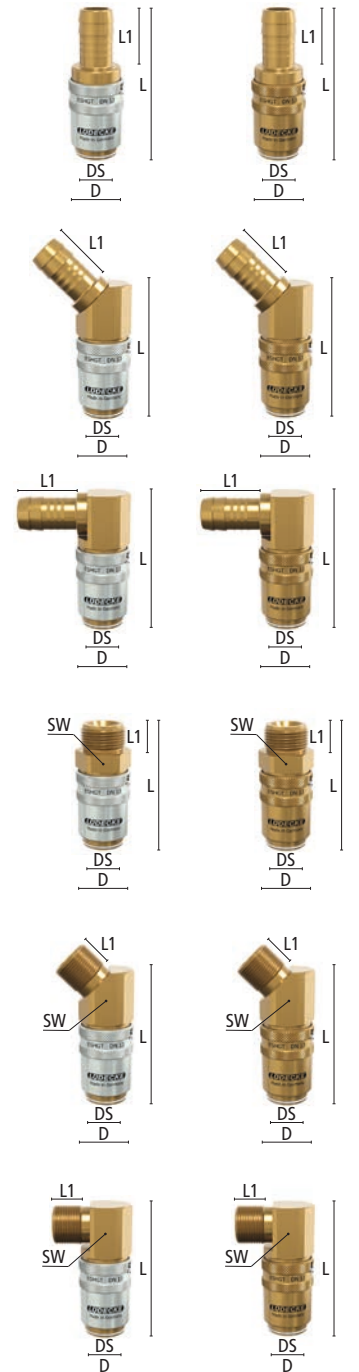
Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +220°C*	13	ISO 228 / DIN 13	One-hand	Single/double/straight-through	Tempered media	5

**DN 13**



Also in Stainless steel  
Series ESHGTE  
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European  
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	82	32.5	25	19	9	131	ESHGT 13 TL	ESHGT 13 TLAB
Hose i.D. 19	90	32.5	34	19	14	210	ESHGT 19 TL	ESHGT 19 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	82	32.5	25	19	9	131	ESHGT 13 TL45	ESHGT 13 TL45AB
Hose i.D. 19	90	32.5	34	19	14	210	ESHGT 19 TL45	ESHGT 19 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	82	32.5	25	19	9	131	ESHGT 13 TL90	ESHGT 13 TL90AB
Hose i.D. 19	90	32.5	34	19	14	210	ESHGT 19 TL90	ESHGT 19 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 1/2 m	76	30	32.5	15	19	13	226	ESHGT12AL	ESHGT12ALAB
G 3/4 m	77	30	32.5	16	19	13	252	ESHGT34AL	ESHGT34ALAB
M 24x1.5 m	77	30	32.5	16	19	13	242	ESHGT2415AL	ESHGT2415ALAB

### 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 1/2 m	81	30	32.5	16	19	13	332	ESHGT12AL45	ESHGT12AL45AB
G 3/4 m	81	30	32.5	16	19	13	357	ESHGT34AL45	ESHGT34AL45AB
M 24x1.5 m	81	30	32.5	17	19	13	348	ESHGT2415AL45	ESHGT2415AL45AB

### 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 1/2 m	81	30	32.5	16	19	13	334	ESHGT12AL90	ESHGT12AL90AB
G 3/4 m	81	30	32.5	16	19	13	361	ESHGT34AL90	ESHGT34AL90AB
M 24x1.5 m	81	30	32.5	17	19	13	350	ESHGT2415AL90	ESHGT2415AL90AB

Other types/ sizes on request

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

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