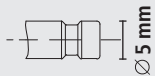


# Temperature Regulation Quick Connect Couplings

## Series ESHMC plug size 5 mm

### DN 2.7

Plug Profile (original size)



- One-hand quick connect couplings with smallest dimensions made of brass MS 58
- For temperature regulation applications with hot or cold water as well as tempered oil
- The series DN 2.7 is especially suited for micro-parts production with very small tools in the plastic producing industry to connect cooling lines of moulds
- Optional with straight-through, single or double shut-off valves
- Due to the extended sleeve, plugs counter-sunk in the mould can be easily coupled and decoupled. The angled connections prevent thin-walled hoses from being bent

#### Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Sleeve: Brass MS 58 plain/ nickel-plated
- Balls: Stainless steel 1.3541
- Springs, retaining ring: Stainless steel 1.4310
- Seals: FKM

Max. Working Pressure	Temperature	DN	Thread	Operation	Type of valve	Media	
PN 15 bar	-20°C – +200°C*	2.7	DIN 13, DIN 158	One-hand	single/ double/ straight-thr.	Tempered Media	Coupl. 5 / Plug. 10

#### Couplings with straight standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o v.	Type No. w valve
Hose i.D. 5	35	10	13.5	5	3.5	10	ESHMC 5 TL	ESHMC 5 TLAB

#### Couplings with 45° standard hose stem without/with valve

Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o v.	Type No. w valve
Hose i.D. 5	41	10	13.5	5	3.5	8	ESHMC 5 TL-45	ESHMC 5 TL-45AB

#### Couplings with 90° standard hose stem without/with valve

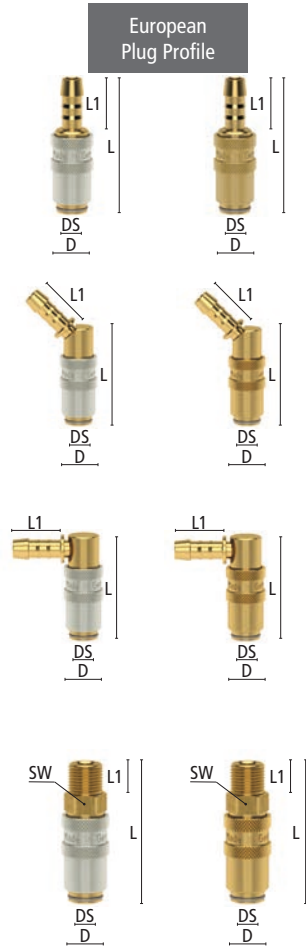
Hose connection	L	D	L1	DS	Passage	Weight	Type No. w/o v.	Type No. w valve
Hose i.D. 5	29.5	10	13.5	5	3.5	8	ESHMC 5 TL-90	ESHMC 5 TL-90AB

#### Couplings with straight male thread without/with valve

Thread connection	L	SW	D	L1	DS	Passage	Weight	Type No. w/o v.	Type No. w valve
M 5x0.5 m	31	9	10	5	5	3.5	9	ESHMC 505 A	ESHMC 505 AAB
M 8x0.75 m	33	9	10	7	5	3.5	10	ESHMC 875 A	ESHMC 875 AAB

Suitable hose clips for hose couplings, double-ear hose clips or crimping ferrules for standard hoses – (☺ page 194 - 197)

\*subject to media (oil: 200°C, water: 150°C, air: 200°C)

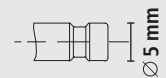


# Temperature Regulation Quick Connect Couplings

plug size 5 mm **Series ESHMC**

**DN 2.7**

Plug Profile (original size)



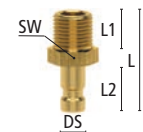
## Plugs with straight standard hose stem without valve

Hose connection	L	D	L1	L2	DS	Passage	Weight	Type No.
Hose i.D. 5	25	9	13.5	10	5	2.7	3	ESHMC 5 SL



## Plugs with straight male thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	18	7	5	10	5	2.7	3	ESHMC 505 NA
M 8x0.75 m	20	9	7	10	5	2.7	4	ESHMC 875 NA



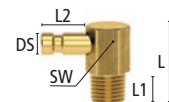
## Plugs with straight male thread with valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	33	9	5	10	5	2.7	7	ESHMC 505 NAAB
M 8x0.75 m	35	9	7	10	5	2.7	7	ESHMC 875 NAAB



## Plugs with 90° male thread without valve

Thread connection	L	SW	L1	L2	DS	Passage	Weight	Type No.
M 5x0.5 m	15.5	9	5	10	5	2.7	9	ESHMC 505 NA-90
M 8x0.75 m	17.5	9	5	10	5	2.7	11	ESHMC 875 NA-90



## Plug System Adapters

Connection	L	D	L1	L2	DS	DS1	Passage	Weight	Type No.
DN 2.7 - DN 2.7	22	6	10	10	5	5	2.7	3	ESHMC-ESHMC
DN 2.7 - DN 6	26.5	9	10	14	5	9	2.7	9	ESHMC-ESHM

