

STANDARD

LMC's screw hose couplings with a smooth hose shank comply with EN 14420-5 / DIN 2817.

OPERATION

Screw hose couplings are used to connect hoses with male or female BSP, BSPT or NPT threaded couplings. The hose shank can be divided in 3 types:

1. Screw hose couplings with a smooth hose shank are designed in compliance with EN 14420-5 / DIN 2817. The hose shank complies with EN 14420-2. The EN 14420-2 / DIN 2817 standard refers to coupling assemblies using RK safety clamps complying with EN 14420-3 / DIN 2817.
2. Screw hose couplings with serrated hose shank are used for worm drive clamp assemblies.
3. Screw hose couplings with serrated hose shank and collar can be used with worm drive clamps.
(Available on request)

The parallel BSP sealing thread used as standard in screw hose couplings complies with EN ISO 228-1. A pressure-tight joint is obtained by using a flat seal. LMC screw hose couplings are easy to assemble by hand or using a wrench.

N.B.: Screw hose couplings are not interchangeable with steam hose couplings, due to differences in application and overall dimensions.

APPLICATION

To connect rubber, thermoplastic and plastic hoses.

WORKING PRESSURE

25 bar / 362 psi

TEMPERATURE

-30°C / -22°F up to +300°C / 572°F

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

MATERIAL

- Coupling
Stainless steel AISI 316 / 1.4401
Brass
- Seal
PU for brass screw hose couplings
PTFE for stainless steel screw hose couplings



ASSEMBLY

- RK and RKP safety clamps complying with EN 14420-3 / DIN 2817 and FLEXOLINE® safety clamps for screw hose couplings with smooth hose shank complying with EN 14420-2 / DIN 2817
- Worm drive clamps for screw hose couplings with serrated hose shank

THREAD

THREAD	DESCRIPTION	STANDARD	TYPICAL CALL OUT	SEALING METHOD	PROPERTIES
BSP	British standard pipe thread	EN ISO 228-1	G1	■ Parallel thread ■ Pressure tight joint is obtained using a seal or o-ring	■ 55° degree thread angle ■ Truncation of root and crest are round
BSPT	British standard pipe taper thread	EN 10226-1 DIN 2999-1	R1	■ Conical thread. ■ Pressure tight joint is achieved by the thread	■ 55° degree thread angle ■ Truncation of root and crest are round
NPT	National pipe taper thread (American standard pipe thread)	ANSI B 1.20.1	NPT 1	■ Conical thread ■ Pressure tight joint is achieved by the thread	■ 60° degree round angle ■ Truncation of root and crest are flat

Screw hose couplings with BSPT thread on request available.

