

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

16 bar / 232 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



SCREW HOSE COUPLINGS



FEMALE THREADED SWIVEL WITH SERRATED HOSE SHANK

ND	Inch	For hose mm	Thread EN ISO 228-1	Thread seal	Material	Socket wrench min. size mm	Weight kg/pc	Reference
15	1/2"	13	G 1/2	PU	Brass	24	0.05	2R013
20	3/4"	19	G 3/4	PU	Brass	30	0.07	2R019
25	1"	25	G 1	PU	Brass	36	0.09	2R025
32	1.1/4"	32	G 1.1/4	PU	Brass	46	0.16	2R032
40	1.1/2"	38	G 1.1/2	PU	Brass	55	0.20	2R038
50	2"	50	G 2	PU	Brass	65	0.31	2R050
65	2.1/2"	63	G 2.1/2	PU	Brass	85	0.55	2R065
80	3"	75	G 3	PU	Brass	100	0.54	2R075
80	3"	80	G 3	PU	Brass	100	0.61	2R080*
100	4"	100	G 4	PU	Brass	125	1.89	2R100
20	3/4"	19	G 1	PU	Brass	36	0.18	2R019025
25	1"	25	G 1.1/4	PU	Brass	46	0.32	2R025032
32	1.1/4"	32	G 1.1/2	PU	Brass	55	0.54	2R032038
40	1.1/2"	38	G 2	PU	Brass	65	0.72	2R038050
50	2"	50	G 2.1/2	PU	Brass	85	0.86	2R050065
65	2.1/2"	63	G 3	PU	Brass	100	1.13	2R065075
15	1/2"	13	G 1/2	PTFE	SS	24	0.09	R2R013
20	3/4"	19	G 3/4	PTFE	SS	30	0.10	R2R019
25	1"	25	G 1	PTFE	SS	36	0.16	R2R025
32	1.1/4"	32	G 1.1/4	PTFE	SS	46	0.20	R2R032
40	1.1/2"	38	G 1.1/2	PTFE	SS	55	0.39	R2R038
50	2"	50	G 2	PTFE	SS	65	0.44	R2R050
65	2.1/2"	63	G 2.1/2	PTFE	SS	85	0.82	R2R065
80	3"	75	G 3	PTFE	SS	100	0.94	R2R075
80	3"	80	G 3	PTFE	SS	100	0.91	R2R080*
100	4"	100	G 4	PTFE	SS	125	2.30	R2R100



Female thread EN ISO 228-1, BSP

Assembly: worm drive clamps

SS = Stainless steel AISI 316 - 1.4401

Type of screw nut is subject to change without prior notice

* available on request