

GOK

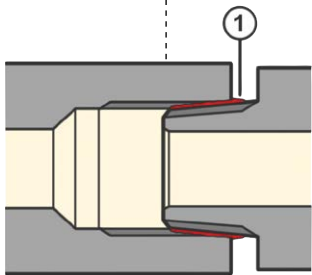
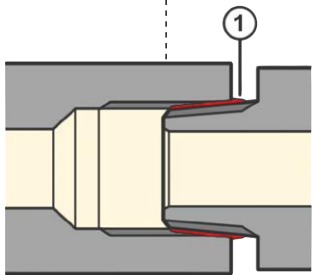
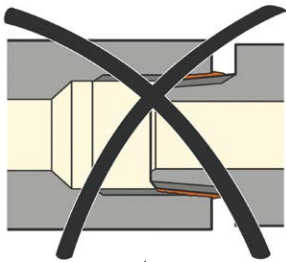
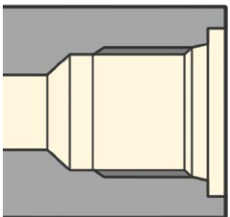
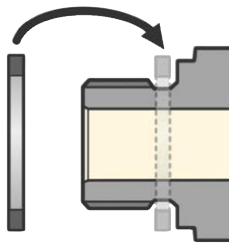
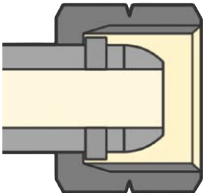
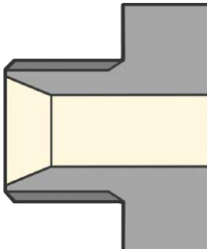
Komponenten • Lösungen • Systeme



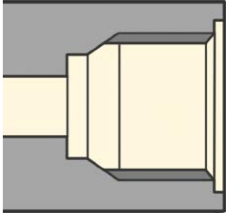
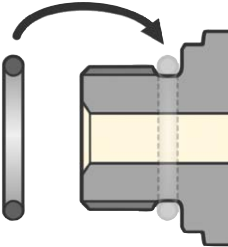
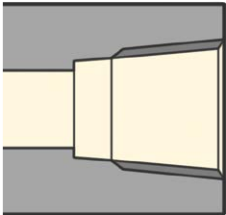
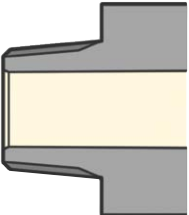
Data sheet – Pipe thread

Data sheet – Pipe thread

Female and male thread for pipes, pipe and hose connections

Identification letter and thread name	Installation view with short names (example)		Explanation and notes
	F female thread	M male thread	
R Pipe thread for thread-sealing connections according to EN 10226-1 or ISO 7-1 Whitworth thread	Rp ...  (Rp 1/2)	 (R 1/2)	Cylindrical female thread and cone-shaped male thread. If required, a suitable sealing material ① according to EN 751 may be used to ensure a tight connection. Avoid confusion due to identification letter R with the pipe thread according to DIN 259 (equivalent to EN ISO 228-1) EN 10226-2 also defines the cone-shaped female thread Rc as an alternative solution for pairing with the cone-shaped male thread R. The cone-shaped female thread is not used often in Germany. Note: Fittings with pipe thread R must consist of materials that can be shaped sufficiently (e.g. steel). Zinc die-cast alloys are not suitable for fittings used with liquid fuels.
	Zinc die-cast alloy 		
G Pipe thread for non-thread sealing connections according to EN ISO 228-1	G ...  (G 1/2)	 (G 1/2 M)	Cylindrical female and cylindrical male thread. The basic profile is identical to that of the cylindrical pipe thread according to EN 10226-1 (ISO 7-1). Pressure-sealed connection by pressing two sealing faces outside of the threads against each other and by inserting a suitable gasket, e.g. a metal sealing ring. See also data sheet for screw-in connectors. Pitch diameter of the male thread in two tolerance classes: - Tolerance class A - Tolerance class B
G-KN/UEM Pipe thread according to EN ISO 228-1 and internal cone KN	G ... (LH)-CN  (G 1/2 LH-UEM)	 (G 1/2 A LH-KN)	Cylindrical female thread of the coupling nut UEM with spherical nipple and cylindrical male thread with internal cone KN. The sealing is between the spherical nipple connection UEM and the internal cone KN. Fittings in the gas area: Internal cone 45° according to EN 560 with left-hand thread LH Fittings in the liquid fuels area: Internal cone 60° according to EN 12514:2022 annex J with right-hand thread RH only as G 3/8

Data sheet – Pipe thread

Identification letter and thread name	Installation view with short names (example)		Explanation and notes
	F female thread	M male thread	
<p>G 3/8-UA-O</p> <p>Pipe thread according to EN ISO 228-1 for fittings in the oil area</p>	<p>G 3/8-UA-O</p> 	<p>G 3/8 M</p> 	<p>Cylindrical female and cylindrical male thread G 3/8. The female thread is designed as a tapped hole according to EN 12514:2022 annex L for taking:</p> <ul style="list-style-type: none"> • a clamp connection type G or • an O ring <p>in connection with screw-in connectors, see data sheet for universal connection fitting type UA</p>
<p>NPT</p> <p>National Pipe Taper Thread (pipe thread) according to ASME ANSI B1.20.1-2013</p>	<p>NPT</p>  <p>(1/2 NPT F)</p>	<p>NPT</p>  <p>(1/2 NPT M)</p>	<p>Cone-shaped female thread (Internal thread) and cone-shaped male thread (External thread).</p> <p>According to TRBS 2152 part 2 no. 2.4.3.2 (6) the following applies:</p> <p>“Permanently technically tight connections to connect fittings are, e.g. ...</p> <ul style="list-style-type: none"> • NPT (National Pipe Taper Thread, cone-shaped pipe thread) ... with seal in the thread up to DN 50 unless exposed to alternating thermal stress $\Delta t > 100 \text{ }^\circ\text{C}$.”