

GOK

Komponenten • Lösungen • Systeme



Data sheet – Screw-in connectors

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Classification of existing screw-in studs to the matching threads of the tapped holes:

- of components according to E DIN EN 12514:2022 and heating oil systems according to DWA-A 791 (TRwS);
- of smooth pipe connectors according to DIN 3387-1 in the DVGW gas area.

Thread		<ul style="list-style-type: none"> • Cylindrical pipe thread G according to EN ISO 228-1 • Cylindrical metric thread M according to DIN 13-5, DIN 13-6, DIN 13-7 and ISO 261 						Pipe thread R - Rp^{a)} according to DIN 3858 ^{b)}	Cone-shaped thread NPT according to ANSI B 1.20.1-1983
		G + M	G + M	G + M	G 3/8	M	G	R - Rp	NPT
GOK designation		GERA	GERD	GERB	GERA GERB	-	GERA GERB	GERK WERK TERK	GENPT WENPT
Screw-in stud	Standard	<ul style="list-style-type: none"> • DIN 3852-1: DIN 3852-2: form A • E DIN EN 12514:2022-01: K.2 	<ul style="list-style-type: none"> • EN ISO 1179-2: form E • EN ISO 9974-2: type E 	<ul style="list-style-type: none"> • DIN 3852-1: form B • EN ISO 1179-4: form B • EN ISO 9974-3: type B 	<ul style="list-style-type: none"> • DIN 3852-2: form B • EN ISO 1179-3: form H • EN ISO 1179-4: form B • E DIN EN 12514:2022-01: K.2 	<ul style="list-style-type: none"> • EN ISO 6149-3 	<ul style="list-style-type: none"> • EN ISO 1179-3: form H • EN ISO 1179-4: form B 	<ul style="list-style-type: none"> • DIN 3852-2: form C 	<ul style="list-style-type: none"> • DIN 3866
	Figure								
Seal	Standard	Sealing ring metal according to: <ul style="list-style-type: none"> • DIN 7603 • E DIN EN 12514:2022-01: K.3 	Profile sealing ring according to: <ul style="list-style-type: none"> • DIN 3869 • EN ISO 1179-2 • EN ISO 9974-2 	Metal sealing edge	O ring according to: <ul style="list-style-type: none"> • E DIN EN 12514:2022-01: Figure L.2 	O ring according to: <ul style="list-style-type: none"> • EN ISO 6149-2 	O ring according to: <ul style="list-style-type: none"> • EN 16129: G.37 • DIN 3852-21: Figure 2 • E DIN EN 12514:2022-01: M.3 	With additional sealing material according to: <ul style="list-style-type: none"> • EN 751 	
	Figure								
Tapped hole	Standard	<ul style="list-style-type: none"> • DIN 3852-1 or DIN 3852-2 form X or Y • EN ISO 1179-1: form N or W • EN ISO 9974-1 			<ul style="list-style-type: none"> • E DIN EN 12514:2022-01: Figure L.2 	<ul style="list-style-type: none"> • EN ISO 6149-1 	<ul style="list-style-type: none"> • EN 16129: G.37 • DIN 3852-21: Figure 1 • E DIN EN 12514:2022-01: M.2 	<ul style="list-style-type: none"> • DIN 3852-2: form Z 	
	Figure								

a) Whitworth thread for pipe fittings or pipe threads for thread-sealing connections:

Cone-shaped male thread **R** according to DIN 3858 or EN 10226-1 and cylindrical female thread **Rp** according to DIN 3858 or EN 10226-1:

b) The following pairs are permitted:

- Screw-in connectors, form C according to DIN 3852-2 standard design in tapped holes, form Z standard design according to DIN 3852-2;
- Screw-in connectors, form C according to DIN 3852-2 short design in tapped holes, form Z standard design according to DIN 3852-2;
- Screw-in connectors, form C according to DIN 3852-2 short design in tapped holes, form Z short design according to DIN 3852-2;
- Screw-in connectors, form C according to DIN 3852-2 standard and short design in tapped holes, form Z, but with female thread according to EN 10226-1 to PS 16 bar;
- Screw-in connectors, form C according to DIN 3852-2 with male thread according to EN 10226-1 in tapped holes, form Z, but with female thread according to EN 10226-1 to PS 16 bar.

Smooth pipe connectors with screw-in stud apart from screw-in connectors, form C with thread according to EN 10226-1 may not be used in installations according to the DVGW work sheet G 600 (TRGI) or TRF.