

# Brass compression ring fittings DIN EN 1254-2



## Brass compression ring fittings

DIN EN 1254-2

Materials: Body: Brass, seal: Polymer

Temperature range: -40°C to max. +100°C (with polymer seal: -20°C to max. +80°C)

Note: The brass compression ring fittings cannot be combined with the cutting ring pipe screw connectors ISO 8434-1 (DIN 2353).

### Operating pressure for total connection incl. tube

Tube Ø external	Tube Ø internal	Hard copper tube (page 251)	With flexible polyamide tube* (page 196)
4	2.0	150 bar	40 bar
4	2.7	---	23 bar
5	3.0	150 bar	34 bar
6	4.0	150 bar	27 bar
8	6.0	135 bar	19 bar
10	8.0	95 bar	15 bar
12	9.0	---	19 bar
12	10.0	75 bar	12 bar
14	11.0	---	16 bar
14	12.0	85 bar	10 bar
15	12.0	---	15 bar
15	13.0	82 bar	---
16	12.0	---	18 bar
16	14.0	76 bar	---
18	14.0	---	17 bar
18	16.0	67 bar	---
22	18.0	---	13 bar
22	20.0	54 bar	---

\* in connection with reinforcing ring



When using soft copper tube a correction factor of 0.65 must be used (pressure x 0.65).  
The given values for polyamide tube are understood at temperatures from -15°C to +30°C.  
Use the following multipliers for other temperatures:  
+31°C to +50°C: pressure x 0.68  
+51°C to +70°C: pressure x 0.55

### Straight screw-in connections with polymer seal

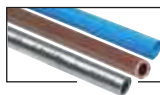
Type	Tube Ø external	Screw-in thread	Type	Tube Ø external	Screw-in thread
KGE 184 MS	4	G 1/8"	KGE 3812 MS	12	G 3/8"
KGE 185 MS	5	G 1/8"	KGE 1212 MS	12	G 1/2"
KGE 186 MS	6	G 1/8"	KGE 3814 MS	14	G 3/8"
KGE 146 MS	6	G 1/4"	KGE 1214 MS	14	G 1/2"
KGE 188 MS	8	G 1/8"	KGE 3815 MS	15	G 3/8"
KGE 148 MS	8	G 1/4"	KGE 1215 MS	15	G 1/2"
KGE 388 MS	8	G 3/8"	KGE 3816 MS	16	G 3/8"
KGE 1410 MS	10	G 1/4"	KGE 1216 MS	16	G 1/2"
KGE 3810 MS	10	G 3/8"	KGE 3422 MS	22	G 3/4"
KGE 1412 MS	12	G 1/4"	KGE 1022 MS	22	G 1"

### Straight screw-in connections with conical male threads

Type	Tube Ø external	Screw-in thread	Type	Tube Ø external	Screw-in thread
KGE 184 KON MS	4	R 1/8"	KGE 3812 KON MS	12	R 3/8"
KGE 185 KON MS	5	R 1/8"	KGE 1212 KON MS	12	R 1/2"
KGE 145 KON MS	5	R 1/4"	KGE 3814 KON MS	14	R 3/8"
KGE 186 KON MS	6	R 1/8"	KGE 1214 KON MS	14	R 1/2"
KGE 146 KON MS	6	R 1/4"	KGE 3815 KON MS	15	R 3/8"
KGE 386 KON MS	6	R 3/8"	KGE 1215 KON MS	15	R 1/2"
KGE 188 KON MS	8	R 1/8"	KGE 1416 KON MS	16	R 1/4"
KGE 148 KON MS	8	R 1/4"	KGE 3816 KON MS	16	R 3/8"
KGE 388 KON MS	8	R 3/8"	KGE 1216 KON MS	16	R 1/2"
KGE 1810 KON MS	10	R 1/8"	KGE 3416 KON MS	16	R 3/4"
KGE 1410 KON MS	10	R 1/4"	KGE 1218 KON MS	18	R 1/2"
KGE 3810 KON MS	10	R 3/8"	KGE 3418 KON MS	18	R 3/4"
KGE 1210 KON MS	10	R 1/2"	KGE 1222 KON MS	22	R 1/2"
KGE 1412 KON MS	12	R 1/4"	KGE 3422 KON MS	22	R 3/4"



Safety valves from page 518



Aluminium, copper and steel pipes from page 250



LOCTITE Liquid seals, gaskets & tapes from page 549



Ball valves from page 280



Electronic pressure switches from page 391

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.