Brass cutting ring fittings ISO 8434-1



Liquid seals, gaskets & tapes from page 549

Aluminium, copper and steel pipes from page 250

Brass cutting ring fittings

ISO 8434-1 (DIN 2353)

Materials: Body: Nickel-plated brass, cutting ring: Brass
Temperature range: -40°C to max. +250°C (pivot joint: -20°C to max. +90°C)

Operating pressure for total connection incl. tube

Tube Ø	Tube Ø	Hard copper	With flexible polyamide
external	internal	tube (page 251)	tube* (page 196)
4	2.0	100 bar	40 bar
4	2.7		23 bar
6	4.0	100 bar	27 bar
8	6.0	100 bar	19 bar
10	8.0	115 bar	15 bar
12	9.0		19 bar
12	10.0	75 bar	12 bar
15	12.0		15 bar
15	13.0	70 bar	
16	14.0	70 bar	
18	14.0		17 bar
18	16.0	65 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

	Tube Ø	Screw-in	
Туре	external	thread	
Very light model series			
GE 4 LLR MSV	4 LL	R 1/8"	
GE 6 LLR MSV	6 LL	R 1/8"	
GE 6 LLR 1/4 MSV	6 LL	R 1/4"	
GE 8 LLR MSV	8 LL	R 1/8"	
GE 8 LLR 1/4 MSV	8 LL	R 1/4"	
GE 8 LLR 3/8 MSV	8 LL	R 3/8"	

		Tube Ø	Screw-in	
	Туре	external	thread	
	Light model series			
	GE 10 LR MSV	10 L	R 1/4"	
1	GE 10 LR 3/8 MSV	10 L	R 3/8"	
	GE 12 LR MSV	12 L	R 3/8"	
	GE 12 LR 1/2 MSV	12 L	R 1/2"	
	GE 15 LR MSV	15 L	R 1/2"	
	GE 18 LR MSV	18 L	R 1/2"	

Straight screw-on connections, with female threads

Tube Ø	Screw-in		
external	thread		
Very light model series			
4 LL	G 1/8"		
6 LL	G 1/8"		
6 LL	G 1/4"		
8 LL	G 1/8"		
8 LL	G 1/4"		
8 LL	G 3/8"		
	external 4 LL 6 LL 6 LL 8 LL 8 LL		

Type	Tube Ø external	Screw-in thread
	external	IIIIeuu
Light model series		
GAI 10 LR MSV	10 L	G 1/4"
GAI 10 LR 3/8 MSV	10 L	G 3/8"
GAI 12 LR MSV	12 L	G 3/8"
GAI 12 LR 1/2 MSV	12 L	G 1/2"
GAI 15 LR MSV	15 L	G 1/2"
GAI 18 LR MSV	18 L	G 1/2"

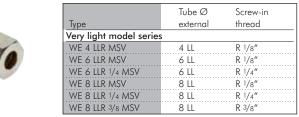
Straight screw connections



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	Tube Ø	Union nut	
Туре	external	thread	
Very light model series	5		
G 4 LL MSV	4 LL	M 8 x 1	
G 6 LL MSV	6 LL	M 10 x 1	
G 8 LL MSV	8 LL	M 12 x 1	

	Tube Ø	Union nut
Туре	external	thread
Light model series		
G 10 L MSV	10 L	M 16 x 1.5
G 12 L MSV	12 L	M 18 x 1.5
G 15 L MSV	15 L	M 22 x 1.5
G 18 L MSV	18 L	M 26 x 1.5

Angle screw-in connections



	Tube Ø	Screw-in
Туре	external	thread
Light model series		
WE 10 LR MSV	10 L	R 1/4"
WE 10 LR 3/8 MSV	10 L	R 3/8"
WE 12 LR MSV	12 L	R 3/8"
WE 12 LR 1/2 MSV	12 L	R 1/2"
WE 15 LR MSV	15 L	R 1/2"
WE 18 LR MSV	18 L	R 1/2"

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.