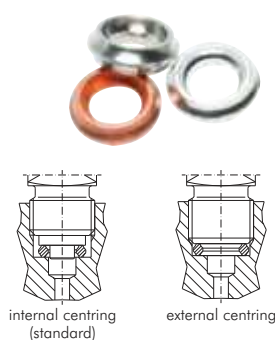


Pressure gauges - accessories

Pressure gauges - profiled seals

Application: Profiled seals are often used to install pressure gauges. Compared with flat seals or sealing edge rings, they have the advantage of being able to turn one rotation more after the pressure gauge has been sealed (profiled seals made of stainless steel can turn approx. 1/2 rotation more). Therefore, it is possible to position the pressure gauge in such a way that the display can be read. When installing a pressure gauge with a plastic thread, we recommend using the extra soft aluminium gasket. In general, a profiled seal cannot be reused after being installed!



Type copper (standard)	Type aluminium	Type stainless steel AISI 316Ti ^{INOX}	For threads	External Ø	Internal Ø	Height
Internal centring via centring pin on the measuring device (standard)						
DR 18 MANO CU	---	---	G 1/8"	8.0	4.1	2.7
DR 14 MANO CU	DR 14 MANO A	DR 14 MANO ES	G 1/4"	9.3	5.4	3.2
DR 38 MANO CU	---	DR 38 MANO ES	G 3/8"	14.8	8.0	4.2
DR 12 MANO CU	---	DR 12 MANO ES	G 1/2"	14.8	8.0	4.2
External centring in the screw-in hole (for measuring device thread without centring pin)						
DR 14 MANO CUA	DR 14 MANO AA	---	G 1/8"	11.0	5.5	3.2
DR 12 MANO CUA	---	---	G 1/4"	18.2	11.0	4.2

Pressure gauges - flat seals acc. to EN 837-1 (DIN 16258)/sealing edge rings

Application: Flat seals and sealing edge rings only allow the pressure gauge to be rotated a little further, or not at all, after it has been sealed. It is only possible to position the reading direction to a limited extent, which is why we recommend using the profiled seals specially developed for sealing pressure gauges when sealing such a gauge. Sealing edge rings are generally used in hydraulic cutting ring fittings made of steel or stainless steel. They are enclosed with the new fittings and therefore are solely intended as spare parts.



Type copper (standard)	Type stainless steel AISI 316Ti ^{INOX}	Type PTFE	Type zinc-plated steel	For threads	External Ø	Internal Ø	Height
Flat seals (standard)							
DR 14 MANO FCU	DR 14 MANO FES	DR 14 MANO FTE	---	G 1/4"	9.5	5.2	1.5*
DR 12 MANO FCU	DR 12 MANO FES	DR 12 MANO FTE	---	G 1/2"	17.5	6.2	2.0*
Sealing edge rings for hydraulic cutting ring fittings							
---	DR 14 MANO DKA ES	---	DR 14 MANO DKA	G 1/4" 10.9 - 11.4	6.0	4.5	
---	DR 12 MANO DKA ES	---	DR 12 MANO DKA	G 1/2" 18.0 - 18.5	12.1	5.0	

* type PTFE: 0.5 mm

Pressure gauges safety caps

Application: The safety caps act as shock protectors for the pressure gauge. They can be used for horizontally as well as vertically positioned pressure gauges. For mounting on a vertical press. gauge, the rubber protection is punched laterally.



Type blue	Type red	Type grey	Type black	For pressure gauge Ø
GS 40 BLAU	GS 40 ROT	GS 40 GRAU	GS 40 SCHWARZ	40
GS 50 BLAU	GS 50 ROT	GS 50 GRAU	GS 50 SCHWARZ	50
GS 63 BLAU	GS 63 ROT	GS 63 GRAU	GS 63 SCHWARZ	63
GS 100 BLAU	GS 100 ROT	GS 100 GRAU	GS 100 SCHWARZ	100

Reducers for pressure gauge connections with pins



Type brass	PN bar	Type AISI 316Ti ^{INOX}	PN bar	Thread male	Thread female	L
With hexagonal, imperial						
RN MANO 1814 MS	250	RN MANO 1814 ES	400	G 1/8"	G 1/4"	28
RN MANO 1418 MS	250	RN MANO 1418 ES	400	G 1/4"	G 1/8"	28
RN MANO 1438 MS	250	RN MANO 1438 ES	400	G 1/4"	G 3/8"	37
RN MANO 1412 MS	250	RN MANO 1412 ES	400	G 1/4"	G 1/2"	37
RN MANO 3814 MS	250	RN MANO 3814 ES	400	G 3/8"	G 1/4"	35
RN MANO 3812 MS	250	RN MANO 3812 ES	400	G 3/8"	G 1/2"	45
RN MANO 1218 MS	250	RN MANO 1218 ES	400	G 1/2"	G 1/8"	28
RN MANO 1214 MS	250	RN MANO 1214 ES	400	G 1/2"	G 1/4"	37
RN MANO 1238 MS	250	RN MANO 1238 ES	400	G 1/2"	G 3/8"	45
RN MANO 1234 MS	250	RN MANO 1234 ES	400	G 1/2"	G 3/4"	45
RN MANO 3412 MS	250	RN MANO 3412 ES	400	G 3/4"	G 1/2"	45
With hexagonal, metric						
RN MANO M121514 MS	250	RN MANO M121514 ES	400	M 12 x 1.5	G 1/4"	28
RN MANO 14M1215 MS	250	RN MANO 14M1215 ES	400	G 1/4"	M 12 x 1.5	28
RN MANO M121512 MS	250	RN MANO M121512 ES	400	M 12 x 1.5	G 1/2"	39
RN MANO 12M1215 MS	250	RN MANO 12M1215 ES	400	G 1/2"	M 12 x 1.5	38
RN MANO M201512 MS	250	RN MANO M201512 ES	400	M 20 x 1.5	G 1/2"	45
RN MANO 12M2015 MS	250	RN MANO 12M2015 ES	400	G 1/2"	M 20 x 1.5	45
Self-sealing without hexagonal, imperial						
RNMANO 1214-19 MS	400	RNMANO 1214-19 ES	400	G 1/2"	G 1/4"	19
RNMANO 1418-15 MS	400	---	400	G 1/4"	G 1/8"	11

* without a centring pin for profiled seal

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.