

Sealing material

**FESTO**




# Sealing material

Technical data

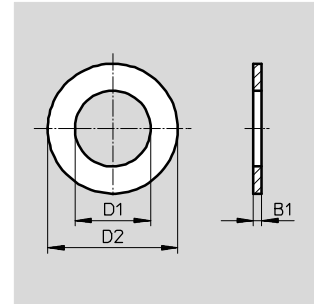


## Sealing ring O

 Pressure  
-0.95 ... +10 bar

Material:  
Sealing ring O: Polyvinyl chloride  
Sealing ring O-M3-B: Polyamide

Note on materials:  
Free of copper and PTFE  
Conforms to RoHS



Dimensions and ordering data							
For thread	Temperature range [°C]	D1	D2	B1	Part No.	Type	PU*
M3	-40 ... +100	2.8	4.8	0.3	<b>30290</b>	<b>O-M3-B</b>	<b>1</b>
M5	-10 ... +60	5.1	8	1	<b>3565</b>	<b>O-M5</b>	<b>1</b>
					<b>534226</b>	<b>O-M5-500</b>	<b>500</b>
G1/8		10	13	1.5	<b>2223</b>	<b>O-1/8</b>	<b>1</b>
					<b>534227</b>	<b>O-1/8-500</b>	<b>500</b>
G1/4		13.2	18	2	<b>2224</b>	<b>O-1/4</b>	<b>1</b>
					<b>534228</b>	<b>O-1/4-200</b>	<b>200</b>
G3/8		16.8	22	2	<b>2225</b>	<b>O-3/8</b>	<b>1</b>
					<b>534229</b>	<b>O-3/8-200</b>	<b>200</b>
G1/2		21	28	2	<b>2226</b>	<b>O-1/2</b>	<b>1</b>
					<b>534230</b>	<b>O-1/2-100</b>	<b>100</b>
G3/4		26.5	33	2	<b>2227</b>	<b>O-3/4</b>	<b>1</b>
G1		33.3	38.9	2	<b>210893</b>	<b>O-1</b>	<b>1</b>

\* Packaging unit quantity


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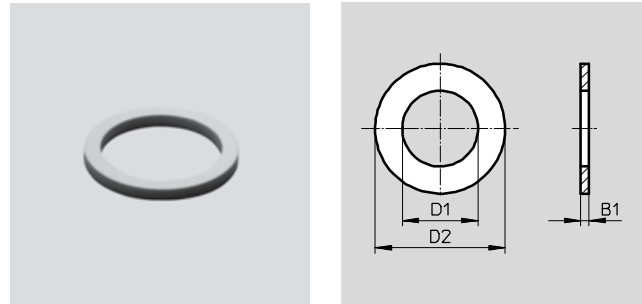
## Sealing ring CRO

Sealing ring CRO for use in the chemicals and food processing industries

 Temperature range  
 -40 ... +80 °C

Material:  
Polyvinylidene fluoride

Note on materials:  
Conforms to RoHS



General technical data	
Mounting position	Any

Operating and environmental conditions	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:--:-]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature [°C]	-40 ... +80

Dimensions and ordering data							
For thread	D1	D2	B1	Weight/ piece [g]	Part No.	Type	PU*
M5	5.1	8	1	0.05	165191	CRO-M5	1
G1/8	10	13	2	0.19	575895	CRO-1/8	1
G1/4	13.2	18	2	0.42	165193	CRO-1/4	1
G3/8	16.8	22	2	0.56	165194	CRO-3/8	1
G1/2	21	28	2	0.96	165195	CRO-1/2	1
G3/4	26.5	33	2	1.08	165196	CRO-3/4	1
G1	33.3	38.9	2	1.13	165197	CRO-1	1


\* Packaging unit quantity


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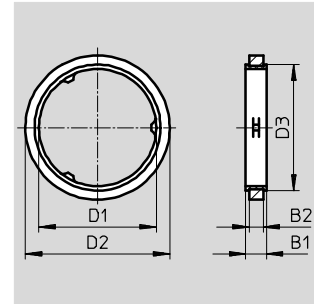
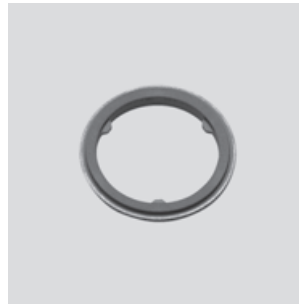
## Sealing ring OL with metal housing

- Based on ISO 16030 standard
- Seals at room temperature when tightened by hand
- Captive
- Reusable
- Compatible with the existing O and OK sealing rings

-  - Temperature range  
-40 ... +100 °C

-  - Pressure  
-0.95 ... +30 bar

Note on materials:  
Free of copper and PTFE  
Conforms to RoHS



Dimensions and ordering data												
For thread	Min. tightening torque [Nm]	Max. tightening torque [Nm]	D1	D2	D3	B1	B2	CRC <sup>1)</sup>	Weight [g]	Part No.	Type	PU*
Stainless steel, nitrile rubber												
M5	0.5	6	5.05	7.4	6.25	1.45	1	2	1	<b>34634</b>	<b>OL-M5</b>	<b>1</b>
										<b>534231</b>	<b>OL-M5-500</b>	<b>500</b>
G <sup>1</sup> / <sub>8</sub>	1	26	9.8	12.8	11.1	1.8	1.3	2	1	<b>33840</b>	<b>OL-<sup>1</sup>/<sub>8</sub></b>	<b>1</b>
										<b>534232</b>	<b>OL-<sup>1</sup>/<sub>8</sub>-500</b>	<b>500</b>
G <sup>1</sup> / <sub>4</sub>	2	40	13.2	16.8	14.4	2.2	1.6	2	1	<b>34635</b>	<b>OL-<sup>1</sup>/<sub>4</sub></b>	<b>1</b>
										<b>534233</b>	<b>OL-<sup>1</sup>/<sub>4</sub>-200</b>	<b>200</b>
Aluminium, nitrile rubber												
G <sup>3</sup> / <sub>8</sub>	10	50	16.65	20.5	17.9	2.95	1.95	2	2	<b>34636</b>	<b>OL-<sup>3</sup>/<sub>8</sub></b>	<b>1</b>
										<b>534234</b>	<b>OL-<sup>3</sup>/<sub>8</sub>-200</b>	<b>200</b>
G <sup>1</sup> / <sub>2</sub>	18	80	21	25.5	22.2	2.6	1.95	2	2	<b>34637</b>	<b>OL-<sup>1</sup>/<sub>2</sub></b>	<b>1</b>
										<b>534235</b>	<b>OL-<sup>1</sup>/<sub>2</sub>-100</b>	<b>100</b>
G <sup>3</sup> / <sub>4</sub>	-	120	26.5	32	28.4	2.6	1.95	2	2	<b>34638</b>	<b>OL-<sup>3</sup>/<sub>4</sub></b>	<b>1</b>

1) Corrosion resistance class 2 according to Festo standard 940 070  
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

\* Packaging unit quantity



# Sealing material

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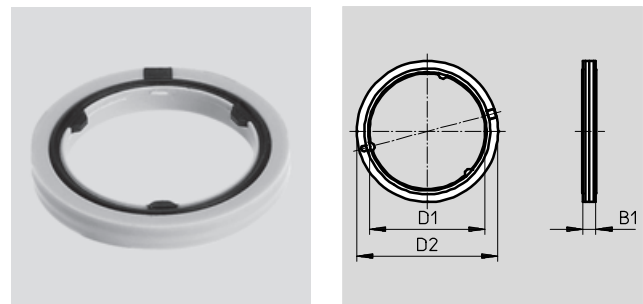
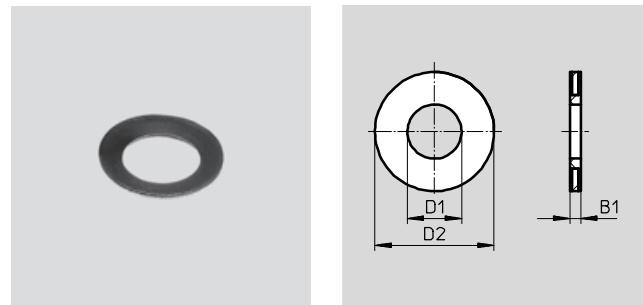
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## Sealing ring OK with support ring

- Based on ISO 16030 standard
- Creates a seal when hand-tightened at room temperature and also when tightened using appropriate tools
- Captive design
- Compatible with the existing O and OL sealing rings

-  - Temperature range  
-10 ... +60 °C
-  - Pressure  
-0.95 ... +10 bar

Note on materials:  
Free of copper and PTFE  
Conforms to RoHS



Operating and environmental conditions	
Operating pressure complete [bar]	-0.95 ... +10
temperature range	
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature [°C]	-10 ... +60
Corrosion resistance class CRC <sup>1)</sup>	2

1) Corrosion resistance class CRC 2 to Festo standard FN 940070  
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Dimensions and ordering data								
For thread	Nominal tightening torque [Nm]	D1	D2	B1	Weight [g]	Part No.	Type	PU <sup>1)</sup>
Stainless steel, nitrile rubber								
M3	0.48 ±55%	2.5	5.5	0.5	0.1	130849	OK-M3	1
M5	1.33 ±20%	4.3	7.8	0.5	0.1	130850	OK-M5	1
M7	3.35 ±20%	6.4	9.8	0.5	0.1	130851	OK-M7	1
Polyamide, thermoplastic polyurethane								
G1/8	3.5 ±20%	9.9	13.15	1.60	0.12	531771	OK-1/8	1
G1/4	11 ±10%	13.3	18.15	2.20	0.32	531772	OK-1/4	1
G3/8	12.5 ±20%	16.8	22.15	2.20	0.44	531773	OK-3/8	1
G1/2	14 ±20%	21.2	26.45	2.35	0.6	531774	OK-1/2	1
G3/4	35 ±10%	26.7	32.45	2.95	1	531775	OK-3/4	1

1) Packaging unit quantity

# Sealing material

Technical data

## Sealing ring assortment OL-S1

This polymer assortment box contains OL sealing rings ranging in size from M5 to G $\frac{3}{4}$ .



Ordering data						
Contents	Quantity	Min. tightening torque [Nm]	Max. tightening torque [Nm]	Weight [g]	Part No.	Type
OL-M5	50	0.5	6	1	161355	OL-S1
OL-1/8	100	1	26	1		
OL-1/4	100	2	40	1		
OL-3/8	40	10	50	2		
OL-1/2	30	18	80	2		
OL-3/4	10	-	120	2		

## Sealing ring assortment OK-S1

This assortment box contains OK sealing rings ranging in size from M3 to G $\frac{3}{4}$ .



Note on materials:  
Conforms to RoHS

Ordering data						
Contents	Quantity	Nominal tightening torque [Nm]	Weight [g]	Part No.	Type	
OK-M3	50	0.48 ±55%	0.1	570465	OK-S1	
OK-M5	100	1.33 ±20%	0.1			
OK-M7	50	3.35 ±20%	0.1			
OK-1/8	100	3.5 ±20%	0.12			
OK-1/4	100	11 ±10%	0.32			
OK-3/8	40	12.5 ±20%	0.44			
OK-1/2	30	14 ±20%	0.6			
OK-3/4	10	35 ±10%	1			

# Sealing material

Technical data

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Thread sealing tape **GWB-0,1**



Ordering data				
Width [mm]	Thickness [mm]	Length [m]	Part No.	Type
10	0.1	12.5	9076	GWB-0,1

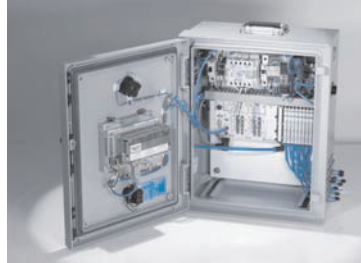
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### A Complete Suite and Company Overview

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**Custom Automation Components**  
Complete custom engineered solutions



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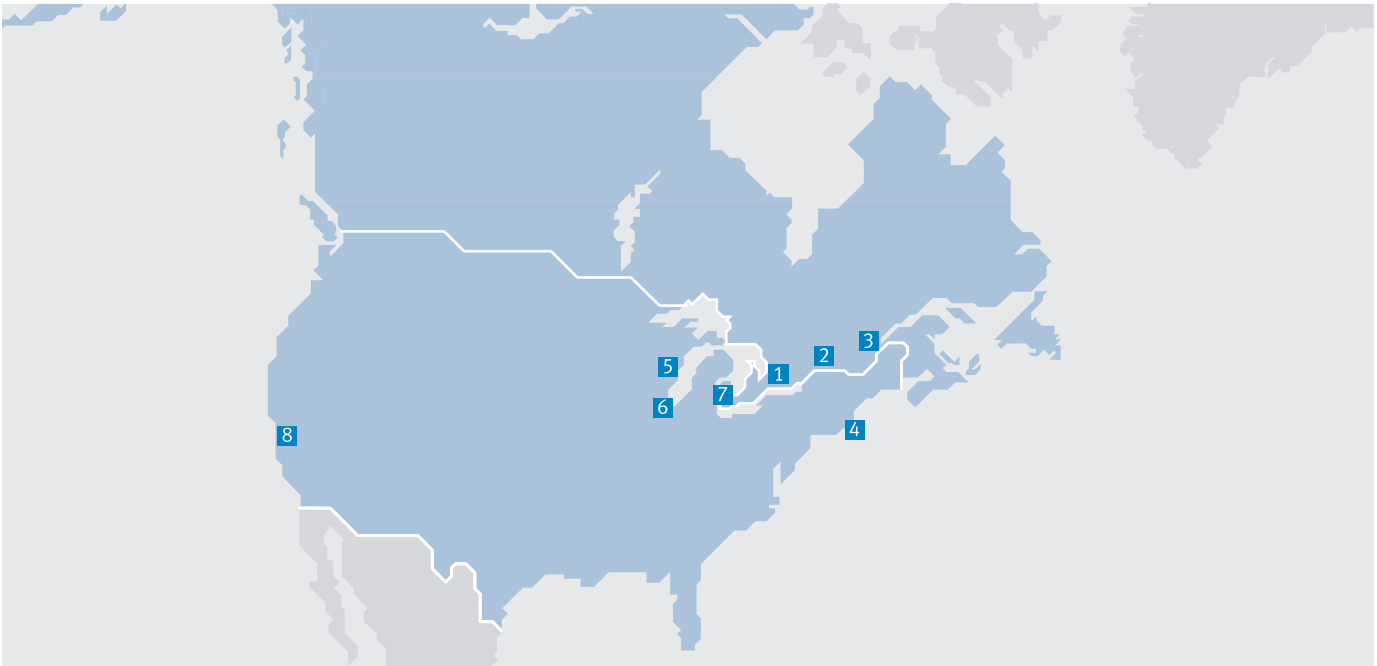
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