

Sealing material

FESTO



Sealing material

Technical data

FESTO

Sealing ring O/CRO

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

Pressure

−0.95 ... +10 bar

Material:

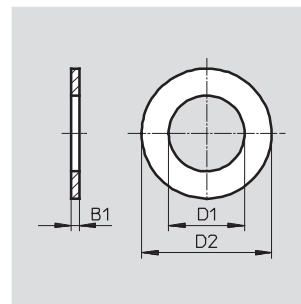
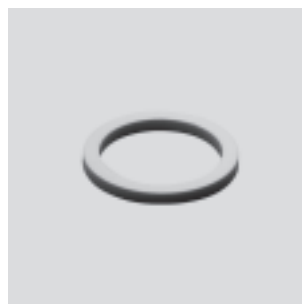
Sealing ring O: Polyvinyl chloride

Sealing ring O-M3-B: Polyamide

Note on materials:

Free of copper and PTFE

Conforms to RoHS (O-1/8 ... O-3/4 only)




Sealing ring CRO:

Polyvinylidenefluoride

Note on materials:

Conforms to RoHS

Dimensions and ordering data							
For thread	Temperature range [°C]	D1	D2	B1	Part No.	Type	PU*
Sealing ring O							
M3	−40 ... +100	2.8	4.8	0.3	30290	O-M3-B	1
M5	−10 ... +60	5.1	8	1	3565	O-M5	1
					534226	O-M5-500	500
G1/8		10	13	1.5	2223	O-1/8	1
					534227	O-1/8-500	500
G1/4		13.2	18	2	2224	O-1/4	1
					534228	O-1/4-200	200
G3/8		16.8	22	2	2225	O-3/8	1
					534229	O-3/8-200	200
G1/2		21	28	2	2226	O-1/2	1
					534230	O-1/2-100	100
G3/4		26.5	33	2	2227	O-3/4	1
G1		33.3	38.9	2	210893	O-1	1
Sealing ring CRO							
M5	−40 ... +80	5.1	8	1	165191	CRO-M5	1
G1/8		10	13	2	575895	CRO-1/8 	1
G1/4		13.2	18	2	165193	CRO-1/4	1
G3/8		16.8	22	2	165194	CRO-3/8	1
G1/2		21	28	2	165195	CRO-1/2	1
G3/4		26.5	33	2	165196	CRO-3/4	1
G1		33.3	38.9	2	165197	CRO-1	1

* Packaging unit quantity

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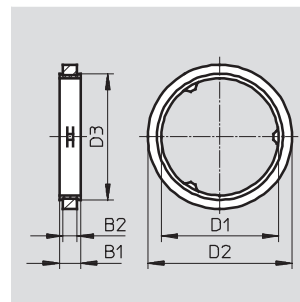
Sealing ring OL
with metal housing

Temperature range
-40 ... +100 °C

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

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 ¹⁾	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	34634	OL-M5	1
										534231	OL-M5-500	500
G1/8	1	26	9.8	12.8	11.1	1.8	1.3	2	1	33840	OL-1/8	1
										534232	OL-1/8-500	500
G1/4	2	40	13.2	16.8	14.4	2.2	1.6	2	1	34635	OL-1/4	1
										534233	OL-1/4-200	200
Aluminium, nitrile rubber												
G3/8	10	50	16.65	20.5	17.9	2.95	1.95	2	2	34636	OL-3/8	1
										534234	OL-3/8-200	200
G1/2	18	80	21	25.5	22.2	2.6	1.95	2	2	34637	OL-1/2	1
										534235	OL-1/2-100	100
G3/4	-	120	26.5	32	28.4	2.6	1.95	2	2	34638	OL-3/4	1

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

Technical data

FESTO

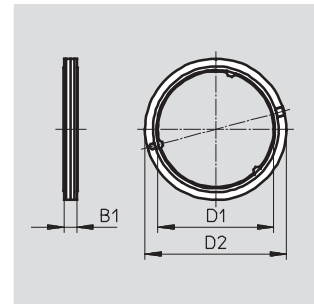
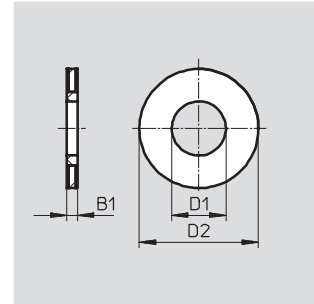
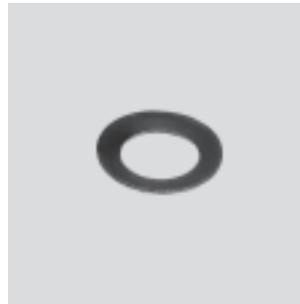
Sealing ring OK with support ring

- Based on ISO 16030 standard
- Seals at room temperature when tightened by hand
- 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



Dimensions and ordering data										
For thread	Min. tightening torque [Nm]	Max. tightening torque [Nm]	D1	D2	B1	CRC ¹⁾	Weight [g]	Part No.	Type	PU*
Stainless steel, nitrile rubber										
M3	0.15	0.8	2.5	5.5	0.5	2	0.04	130849	OK-M3	1
M5	0.25	2.4	4.3	7.8	0.5		0.1	130850	OK-M5	1
M7	0.3	6.4	6.4	9.8	0.5		0.1	130851	OK-M7	1
Polyamide, thermoplastic polyurethane										
G1/8	2	5	9.9	13.15	1.60	2	0.12	531771	OK-1/8	1
G1/4	10	12	13.3	18.15	2.20		0.32	531772	OK-1/4	1
G3/8	10	15	16.8	22.15	2.20		0.44	531773	OK-3/8	1
G1/2	10	18	21.2	26.45	2.35		0.6	531774	OK-1/2	1
G3/4	30	40	26.7	32.45	2.95		1	531775	OK-3/4	1

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

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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	Min. tightening torque [Nm]	Max. tightening torque [Nm]	Weight [g]	Part No.	Type
OK-M3	50	0.15	0.8	0.04	570465	OK-S1
OK-M5	100	0.25	2.4	0.1		
OK-M7	50	0.3	6.4	0.1		
OK-1/8	100	2	5	0.12		
OK-1/4	100	10	12	0.32		
OK-3/8	40	10	15	0.44		
OK-1/2	30	10	18	0.6		
OK-3/4	10	30	40	1		

Sealing material

Technical data

FESTO

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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Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components
Complete custom engineered solutions



Custom Control Cabinets
Comprehensive engineering support and on-site services



Complete Systems
Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Electromechanical actuators, motors, controllers & drives



Pneumatics
Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices
PLC's, operator interfaces, sensors and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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