

Sealing material

FESTO



Datasheet

Technical data – Sealing ring CRO

Pneumatic connection	M5	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Mounting position	optional						
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]						
Note on operating and pilot medium	Lubricated operation possible						
Suitable for use with food ¹⁾	See supplementary material information						
Material seals	PVDF						
Note on materials	RoHS-compliant						
LABS (PWIS) conformity	VDMA24364-B1/B2-L						

1) More information www.festo.com/catalogue/... → Downloads.

Technical data – Sealing ring O

Pneumatic connection	M3	M5	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Material seals	PA	PVC						
Note on materials	RoHS-compliant							
LABS (PWIS) conformity	VDMA24364-B1/B2-L	VDMA24364-B2-L, VDMA24364-B1/B2-L					VDMA24364-B1/B2-L	

Technical data – Sealing ring NPAS

Pneumatic connection	G1/8		G1/4			G3/8	
Mounting position	optional						
Operating pressure complete temperature range	-13.775 ... 174 psi						
Operating pressure complete temperature range	-0.95 ... 12 bar						
Operating pressure complete temperature range	-0.095 ... 1.2 MPa						
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-], Water (liquid, ice-free), Water vapour						
Note on operating and pilot medium	Lubricated operation possible						
Ambient temperature	-20 ... 120°C						
Suitable for use with food ¹⁾	See supplementary material information						
Material seals	PEEK						
Note on materials	RoHS-compliant						
LABS (PWIS) conformity	VDMA24364-B2-L						

1) More information www.festo.com/catalogue/... → Downloads.

Technical data – Sealing ring OK

Pneumatic connection	M3	M5	M7	G1/8	G1/4	G3/8	G1/2	G3/4
Tightening by hand at room temperature	yes							
Based on standard	ISO 16030							
Operating pressure complete temperature range	-13.775 ... 145 psi							
Operating pressure complete temperature range	-0.95 ... 10 bar							
Operating pressure complete temperature range	-0.095 ... 1 MPa							
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]							
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)							
Ambient temperature	-10 ... 60°C							
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress							
Material stops	High-alloy stainless steel				Reinforced PA			
Material seals	NBR				TPE-U(PU)			
Note on materials	RoHS-compliant							
LABS (PWIS) conformity	VDMA24364-B2-L							

1) More information: www.festo.com/x/topic/crc

Datasheet

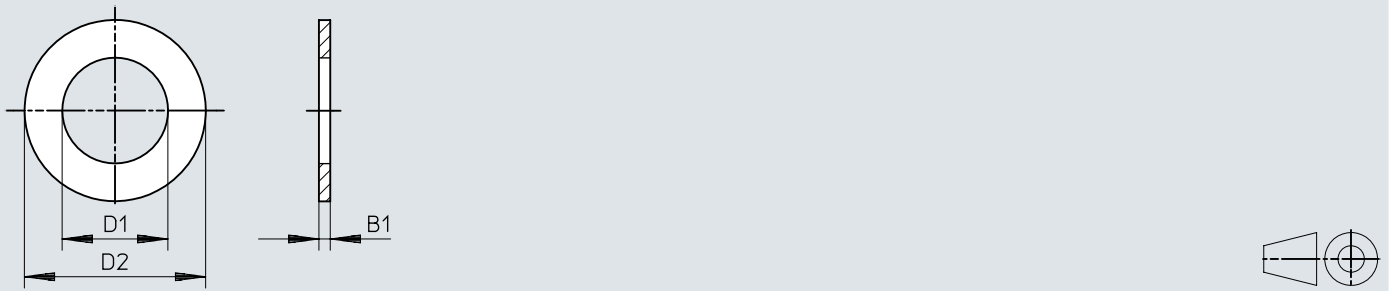
Technical data – Sealing ring OL									
Pneumatic connection	M5	M6	M7	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Tightening by hand at room temperature	yes								
Based on standard	ISO 16030								
Operating pressure complete temperature range	-13.775 ... 435 psi								
Operating pressure complete temperature range	-0.95 ... 30 bar								
Operating pressure complete temperature range	-0.095 ... 3 MPa								
Ambient temperature	-40 ... 100°C								
Corrosion resistance class CRC ¹⁾	2 - Moderate corrosion stress								
Material stops	Aluminium								
Material seals	HNBR								
Note on materials	RoHS-compliant								
LABS (PWIS) conformity	VDMA24364-B2-L								

1) More information: www.festo.com/x/topic/crc

Dimensions

Dimensions – Sealing ring O

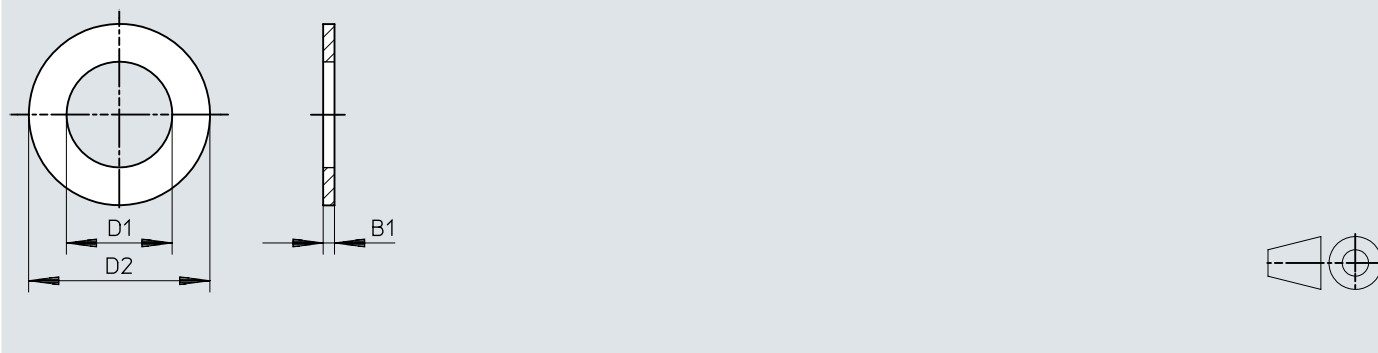
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	D1	D2	B1
O-M3-B	2,8	4,8	0,3
O-M5	5,1	8	1
O-M5-500			
O-1/8	10	13	1,5
O-1/8-500			
O-1/4	13,2	18	2
O-1/4-200			
O-3/8	16,8	22	2
O-3/8-200			
O-1/2	21	28	2
O-1/2-100			
O-3/4	26,5	33	2
O-1	33,3	38,9	2

Dimensions

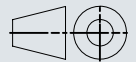
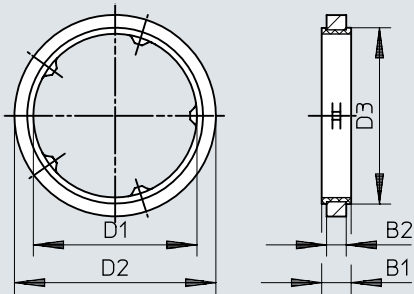
Dimensions – Sealing ring CRO

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	D1	D2	B1
CRO-M5	5,1	8	1
CRO-1/8	10	13	2
CRO-1/4	13,2	18	2
CRO-3/8	16,8	22	2
CRO-1/2	21	28	2
CRO-3/4	26,5	33	2
CRO-1	33,3	38,9	2

Dimensions

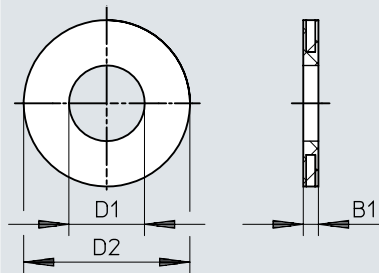
Dimensions – Sealing ring OL

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	D1	D2	D3	B1	B2
OL-M5	5,4	7,7 ±0,1	6,8	1,5	0,8
OL-M5-500					
OL-M6	6,4	8,3 ±0,1	7,4	1,5	0,8
OL-M7	7,4	10,1 ±0,1	8,5	1,7	1
OL-1/8	10,2	13 ±0,1	11,6	1,7	1
OL-1/8-500					
OL-1/4	13,7	17 ±0,1	15,1	2,2	1,5
OL-1/4-200					
OL-3/8	17,3	21 ±0,1	18,8	2,7	2
OL-3/8-200					
OL-1/2	21,6	25,2 ±0,1	23,2	2,7	2
OL-1/2-100					
OL-3/4	27	31,1 ±0,1	29	2,7	2
OL-1	33,8	37,6 ±0,1	35,6	2,7	2

Dimensions

Dimensions – Sealing ring OK-M

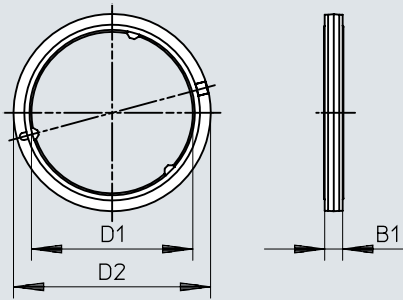
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	D1	D2	B1
OK-M3	2,5	5,0	0,5
OK-M5	4,3	7,8	0,5
OK-M7	6,4	9,8	0,5

Dimensions


Dimensions – Sealing ring OK


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	D1	D2	B1
OK-1/8	9,9	13,2	1,60
OK-1/4	13,3	18,3	2,20
OK-3/8	16,8	22,3	2,20
OK-1/2	21,2	26,7	2,35
OK-3/4	26,7	32,6	2,95

Ordering data


Sealing ring CRO				
	Pneumatic connection	Product weight	Part no.	Type
	M5	0.05 g	165191	CRO-M5
	G1/8	0.19 g	575895	CRO-1/8
	G1/4	0.42 g	165193	CRO-1/4
	G3/8	0.56 g	165194	CRO-3/8
	G1/2	0.96 g	165195	CRO-1/2
	G3/4	1.08 g	165196	CRO-3/4
	G1	1.13 g	165197	CRO-1

Sealing ring O							
	Pneumatic connection	Nominal torque ¹⁾	Tolerance for nominal tightening torque	Size of pack	Product weight	Part no.	Type
	M3		± 20%		0.12 g	30290	O-M3-B
	M5	1.78 Nm			0.05 g	3565	O-M5
	G1/8	10.55 Nm		500	0.12 g	2223	O-1/8
				500	0.12 g	534227	O-1/8-500
	G1/4	9.05 Nm		200	0.31 g	2224	O-1/4
				200	0.31 g	534228	O-1/4-200
	G3/8	38.5 Nm		200	0.4 g	2225	O-3/8
				200	0.4 g	534229	O-3/8-200
	G1/2	47.9 Nm		100	0.72 g	2226	O-1/2
	G3/4	45 Nm			0.83 g	2227	O-3/4
					0.8 g	210893	O-1

1) Tolerance for nominal tightening torque: ±20%


Sealing ring NPAS							
	Pneumatic connection	Nominal torque ¹⁾	Tolerance for nominal tightening torque	Size of pack	Product weight	Part no.	Type
	G1/8	6.5 Nm	± 10%	10	0.02 g	2652516	NPAS-C1-R-G18-P-FD-P10
	G1/4	20 Nm			0.05 g	2652517	NPAS-C1-R-G14-P-FD-P10
	G3/8	35 Nm			0.15 g	2652519	NPAS-C1-R-G38-P-FD-P10

1) Tolerance for nominal tightening torque: ±10%

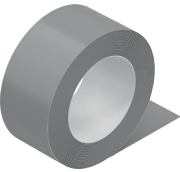
Sealing ring OK							
	Pneumatic connection	Nominal torque	Tolerance for nominal tightening torque	Product weight	Part no.	Type	
	M3	0.48 Nm	± 55%	0.1 g	130849	OK-M3	
	M5	1.33 Nm	± 20%		130850	OK-M5	
	M7	3.35 Nm			130851	OK-M7	
	G1/8	3.5 Nm	± 10%	0.12 g	531771	OK-1/8	
	G1/4	11 Nm		0.32 g	531772	OK-1/4	
	G3/8	12.5 Nm	± 20%	0.44 g	531773	OK-3/8	
	G1/2	14 Nm		0.6 g	531774	OK-1/2	
	G3/4	35 Nm	± 10%	1 g	531775	OK-3/4	


Sealing material

Ordering data

Sealing ring OL							
	Pneumatic connection	Nominal torque ¹⁾	Tolerance for nominal tightening torque	Size of pack	Product weight	Part no.	Type
	M5	2.5 Nm	± 20%	500	0.06 g	34634	OL-M5
	M6				0.05 g	534231	OL-M5-500
	M7	3 Nm		0.1 g	161180	OL-M6	
	G1/8			0.14 g	8153155	OL-M7	
	G1/4	6 Nm		500	0.14 g	33840	OL-1/8
				500	0.32 g	534232	OL-1/8-500
	G1/4	10 Nm		200	0.32 g	34635	OL-1/4
				200	0.57 g	534233	OL-1/4-200
	G3/8	13 Nm		200	0.57 g	34636	OL-3/8
				200	0.68 g	534234	OL-3/8-200
	G1/2	23 Nm		100	0.68 g	34637	OL-1/2
				100	0.95 g	534235	OL-1/2-100
G3/4		0.95 g	34638	OL-3/4			
G1		1.09 g	8153156	OL-1			


1) Tolerance for nominal tightening torque: ±20%

Thread sealing tape GWB						
	Length	Width	Note on materials	LABS (PWIS) conformity	Part no.	Type
	12 m	12 mm	RoHS-compliant	VDMA24364-B1/B2-L	9076	GWB-0,1

Sealing ring assortment OK-S1						
	Short type code ¹⁾	Corrosion resistance class CRC ²⁾	Note on materials	LABS (PWIS) conformity	Part no.	Type
	OK	0 - No corrosion stress	RoHS-compliant	VDMA24364-B1/B2-L	570465	OK-S1

1) Quantity: OK-M3 (50); OK-M5 (100); OK-M7 (50); OK-1/8 (100); OK-1/4 (100); OK-3/8 (40); OK-1/2 (30); OK-3/4 (10)

2) More information: www.festo.com/x/topic/crc

Sealing ring assortment OL-S1						
	Short type code ¹⁾	Corrosion resistance class CRC ²⁾	Note on materials	LABS (PWIS) conformity	Part no.	Type
	OL	1 - Low corrosion stress	RoHS-compliant	VDMA24364-B1/B2-L	161355	OL-S1

1) Quantity: OL-M5 (50); OL-1/8 (100); OL-1/4 (100); OL-3/8 (40); OL-1/2 (30); OL-3/4 (10)

2) More information: www.festo.com/x/topic/crc