



**OROBICA PLAST-GOM** s.r.l.

Articoli tecnici in gomma e plastica

**PROGETTAZIONE & SVILUPPO**  
engineering & development



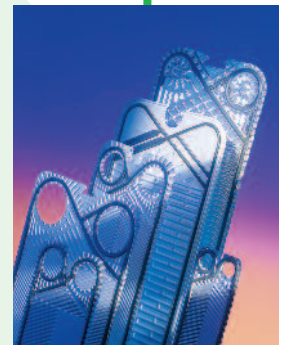
**IMBOTTIGLIAMENTO**  
bottling



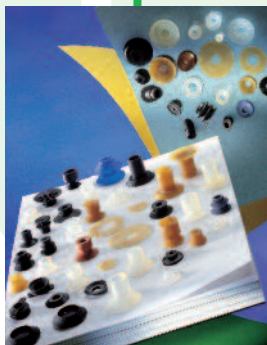
**IMBALLAGGIO**  
packaging



**VALVOLE E RACCORDI**  
valves and fittings



**SCAMBIATORI DI CALORE**  
heat exchanger



**CARTOTECNICA**  
cardboard industry



**INDUSTRIA**  
industry



**ASSISTENZA CLIENTI**  
customer service

## Linee guida per la scelta dei materiali per guarnizioni "DN" Guidelines for selecting materials for gaskets "DN"

Sigla - Symbol		Materiali Materials	Gruppo Chimico Chemical Group	Temperature di Utilizzo Working Temperatures	Generalmente Resiste a: Generally Resistant To:	Generalmente Viene Attaccato da: Generally Attacked By:
ASTM D-1418-79	ISO 1629-1976 (E)					
NBR	NBR	Nitrile	Butadiene-Acrylonitrile-Copolymer (Nitrile-Buna-Perbunam)	- 20° + 120° C - 68° + 248° F	Molti Idrocarburi, Grassi, Olii, Sostanze Oleose, Fluidi Idraulici e Chimici  <i>Many Hydrocarbons, Fats, Oils, Oily Substances, Hydraulic Fluids and Liquid</i>	Ozono, Chetoni, Esteri, Aldeidi, Idrocarburi Nitrati, Cloruri  <i>Ozone, Ketones, Esters, Aldehydes, Hydrocarbons, Nitrates and Chlorides</i>
H-NBR	H-NBR	Nitrile Hydrogenated	Butadiene-Acrylonitrile-Copolymer (Nitrile-Buna-Perbunam)	- 20° + 150° C - 68° + 302° F	Molti Idrocarburi, Grassi, Olii, Sostanze Oleose, Fluidi Idraulici e Chimici  <i>Many Hydrocarbons, Fats, Oils, Oily Substances, Hydraulic Fluids and Liquid</i>	Ozono, Chetoni, Esteri, Aldeidi, Idrocarburi Nitrati, Cloruri  <i>Ozone, Ketones, Esters, Aldehydes, Hydrocarbons, Nitrates and Chlorides</i>
EPDM	EPDM	Ethylene Propylene	Ethylene-Propylene Copolymer and Terpolymer	- 40° + 150° C - 104° + 302° F	Acqua, Vapore e Fluidi per Freni  <i>Water, Steam and Brake Fluids</i>	Olii Minerali e Solventi, Idrocarburi Aromatici  <i>Minerals Oils and Solvents, Aromatic Hydrocarbons</i>
VMQ	MVQ	Silicone	Silicone-Organic Polymer	- 50° + 200° C - 122° + 392° F	Sostanze Ossidanti, Ozono, Idrossido di Sodio Concentrato  <i>Oxidizing Substances, Ozone, Concentrated Sodium Hydroxide</i>	Solventi Vari, Olii, Acidi Concentrati, Idrossido di Sodio Diluito  <i>Various Solvents, Oils, Concentrated Acids, Diluted Sodium Hydroxide</i>
FKM	FPM	Fluorocarbon	Standard-Fluorocarbon Dipolymer 66% Fluoro	- 20° + 220° C - 68° + 428° F	Ogni Prodotto Alifatico, Idrocarburi Aromatici, Acidi, Olii Vegetali ed Animali  <i>Any Aliphatic Product, Aromatic Hydrocarbons, Acids, Vegetable and Animal Oils</i>	Chetoni, Esteri a Basso Peso Molecolare e Mescole Contendenti Nitro  <i>Ketones, Esters with Low Molecular Weight and Compounds Containing Nitric</i>
PTFE	PTFE	Politetrafluoroethylene		- 20° + 280° C - 68° + 536° F	Praticamente Inerte a tutti i Reagenti Chimici  <i>Practically Inert Against All Chemical Reagents</i>	Metalli Alcalini allo Stato Elementare, Trifluoruro di Cloro e Fluoro Elementare ad Alta Temperatura e Pressione  <i>Alkali Metals to the Primary State, the Chlorine Trifluoride and Elementary Fluoro at High Temperature and Pressure</i>

**Note:** I dati sono stati ricavati da test di laboratorio e da fonti industriali. Essi vengono forniti unicamente come indicazioni generali e non devono essere la base per effettuare decisioni progettuali.

**Note:** These data have been obtained from laboratory tests and industrial sources. They are given to the customers just as general directions and they can't be the foundation of planning decisions.

## Joints Gaskets: E DIN 11851:2011-04 Tab.5 and SMS

E DIN 11851:2011-04		SMS	Article Code Orobica P.G.	d12	p	d11	S	S1	r3
(1.0)	(1.1)	(1.0)							
	10		056.7010	10,50±0,20	4,75±0,10	12,00±0,20	5,00±0,20	1,50	2,00±0,10
10			056.0010	12,00±0,20	4,00±0,10		4,50±0,20		2,00±0,10
	15		056.7015	16,50±0,20	4,75±0,10	18,00±0,20	5,00±0,20	1,50	2,00±0,10
15			056.0015	18,00±0,25	4,00±0,10		4,50±0,20		2,00±0,10
	20		056.7020	20,50±0,25	6,25±0,15	23,00±0,25	5,00±0,20	1,50	2,50±0,15
20			056.0020	23,00±0,25	5,00±0,15		5,00±0,20		2,50±0,15
		25	056.2500	25,00±0,25	3,50±0,10		5,50±0,20		1,75±0,10
	25		056.7025	26,50±0,25	3,75±0,15	30,00±0,25	6,00±0,20	2,00	2,50±0,15
25			056.0025	30,00±0,35	5,00±0,15		5,00±0,20		2,50±0,15
25			056.00251	30,00±0,35	5,00±0,15		8,00±0,20		2,50±0,15
	32		056.7032	32,50±0,35	6,75±0,15	36,00±0,35	6,00±0,20	2,00	2,50±0,15
32			056.0032	36,00±0,35	5,00±0,15		5,00±0,20		2,50±0,15
32			056.00321	36,00±0,35	5,00±0,15		8,00±0,20		2,50±0,15
		38	056.2510	38,00±0,35	5,00±0,15		5,50±0,20		2,50±0,15
	40		056.7040	38,50±0,35	6,75±0,15	42,00±0,35	6,00±0,20	2,00	2,50±0,15
40			056.0040	42,00±0,40	5,00±0,15		5,00±0,20		2,50±0,15
40			056.00401	42,00±0,40	5,00±0,15		8,00±0,20		2,50±0,15
		51	056.2520	51,00±0,40	5,00±0,15		5,50±0,20		2,50±0,15
	50		056.7050	50,50±0,40	6,75±0,15	54,00±0,40	6,00±0,20	2,00	2,50±0,15
50			056.0050	54,00±0,40	5,00±0,15		5,00±0,20		2,50±0,15
50			056.00501	54,00±0,40	5,00±0,15		8,00±0,20		2,50±0,15
60			056.0060	62,00±0,40	5,00±0,15		5,00±0,20		2,50±0,15
		63	056.2530	63,00±0,40	5,25±0,15		5,50±0,20		2,50±0,15
	65		056.7065	66,50±0,40	7,25±0,15	71,00±0,40	6,00±0,20	2,00	2,50±0,15
65			056.0065	71,00±0,50	5,00±0,15		5,00±0,20		2,50±0,15
65			056.00651	71,00±0,50	5,00±0,15		6,50±0,20		2,50±0,15
65			056.00652	71,00±0,50	5,00±0,15		8,00±0,20		2,50±0,15
		76	056.2540	76,00±0,50	5,00±0,15		5,50±0,20		2,50±0,15
75			056.0075	78,00±0,50	5,00±0,15		5,00±0,20		2,50±0,15
	80		056.7080	81,50±0,50	6,75±0,15	85,00±0,50	6,00±0,20	2,00	2,50±0,15
80			056.0080	85,00±0,50	5,00±0,15		5,00±0,20		2,50±0,15
80			056.00801	85,00±0,50	5,00±0,15		6,50±0,20		2,50±0,15
80			056.00802	85,00±0,50	5,00±0,15		8,00±0,20		2,50±0,15
90			056.0090	94,00±0,50	5,00±0,15		5,00±0,20		2,50±0,15
	100		056.7100	100,50±0,70	6,75±0,15	104,00±0,70	6,00±0,20	2,00	2,50±0,15
100			056.0100	104,00±0,70	5,00±0,15		6,00±0,20		2,50±0,15
100			056.01001	104,00±0,70	5,00±0,15		8,00±0,20		2,50±0,15
		104	056.2550	104,00±0,70	6,00±0,15		6,00±0,20		3,00±0,15
	125		056.7125	125,00±0,70	8,50±0,15	130,00±0,70	7,00±0,20	2,00	3,00±0,15
125			056.0125	130,00±0,70	6,00±0,15		7,00±0,20		3,00±0,15
	150		056.7150	150,00±0,70	8,50±0,15	155,00±0,70	7,00±0,20	2,00	3,00±0,15
150			056.0150	155,00±0,70	6,00±0,15		7,00±0,20		3,00±0,15

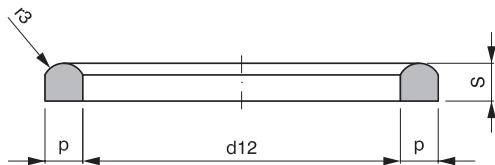


Figure (1.0)

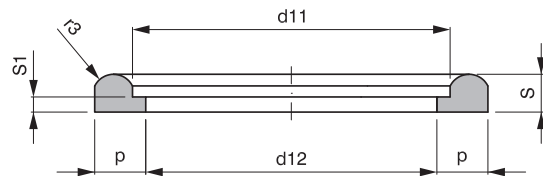
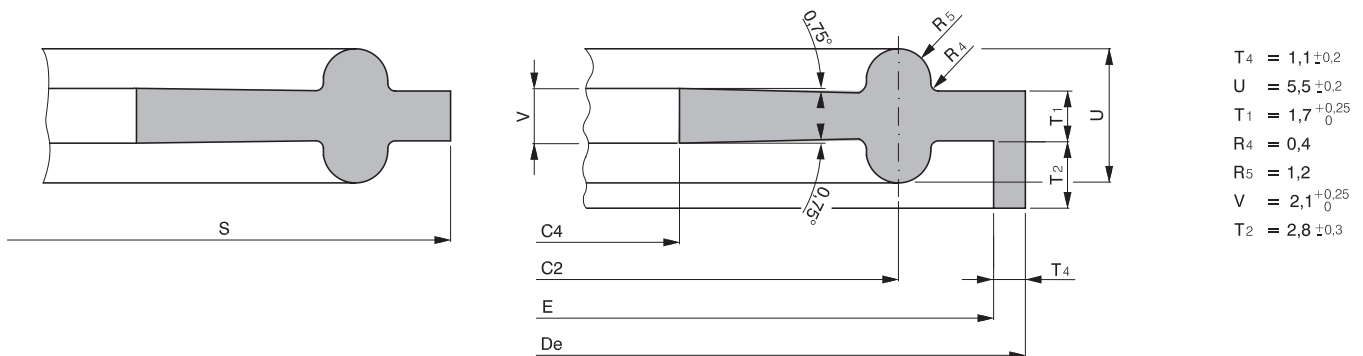


Figure (1.1)

### Gaskets for CLAMP: ISO 2852:1993 (E) Tab. 3

DN		Article Code Orobica P.G.	C2		C4		E		S		De	
Inch	mm		Inch +0/-0,02	mm +0/-0,5	Inch +0,02/-0	mm +0,5/-0	Inch +0/-0,02	mm +0/-0,5	Inch ±0,02	mm ±0,5	Inch ±0,02	mm ±0,5
1/4"	12,00	056.1500	1,083	27,50	0,402	10,20			1,339	34,00		
1/2"	12,70	056.1503	1,083	27,50	0,429	10,90			1,339	34,00		
3/4"	17,20	056.1506	1,083	27,50	0,606	15,40			1,339	34,00		
3/8"	21,30	056.1510	1,083	27,50	0,768	19,50			1,339	34,00		
1"	25,00	056.8200	1,713	43,50	0,898	22,80	1,988	50,50			2,075	52,70
		056.1520	1,713	43,50	0,898	22,80			1,988	50,50		
1" 1/8	33,70	056.8212	1,713	43,50	1,240	31,50	1,988	50,50			2,075	52,70
		056.1521	1,713	43,50	1,240	31,50			1,988	50,50		
1" 1/2	38,10	056.8210	1,713	43,50	1,409	35,80	1,988	50,50			2,075	52,70
		056.1530	1,713	43,50	1,409	35,80			1,988	50,50		
1" 3/4	40,00	056.8215	2,224	56,50	1,488	37,80	2,520	64,00			2,606	66,20
		056.1522	2,224	56,50	1,488	37,80			2,520	64,00		
2"	51,00	056.8220	2,224	56,50	1,921	48,80	2,520	64,00			2,606	66,20
		056.1540	2,224	56,50	1,921	48,80			2,520	64,00		
2" 1/2	63,50	056.8230	2,776	70,50	2,382	60,50	3,051	77,50			3,138	79,70
		056.1550	2,776	70,50	2,382	60,50			3,051	77,50		
2" 3/4	70,00	056.8235	3,287	83,50	2,638	67,00	3,583	91,00			3,669	93,20
		056.1555	3,287	83,50	2,638	67,00			3,583	91,00		
3"	76,10	056.8240	3,287	83,50	2,878	73,10	3,583	91,00			3,669	93,20
		056.1560	3,287	83,50	2,878	73,10			3,583	91,00		
3" 1/2	88,90	056.8245	3,819	97,00	3,350	85,10	4,173	106,00			4,260	108,20
		056.1565	3,819	97,00	3,350	85,10			4,173	106,00		
4"	101,60	056.8250	4,331	110,00	3,850	97,80	4,685	119,00			4,772	121,20
		056.1570	4,331	110,00	3,850	97,80			4,685	119,00		
4" 1/2	114,30	056.8252	3,803	122,00	4,350	110,50	5,118	130,00			5,205	132,20
		056.1575	3,803	122,00	4,350	110,50			5,118	130,00		
5" 1/2	139,70	056.8255	5,748	146,00	5,350	135,90	6,102	155,00			6,189	157,20
		056.1580	5,748	146,00	5,350	135,90			6,102	155,00		
6"	168,30	056.8260	6,850	174,00	6,429	163,30	7,205	183,00			7,291	185,20
		056.1585	6,850	174,00	6,429	163,30			7,205	183,00		
8"	219,10	056.8265	8,858	225,00	8,429	214,10	9,193	233,50			9,280	235,70
		056.1588	8,858	225,00	8,429	214,10			9,193	233,50		

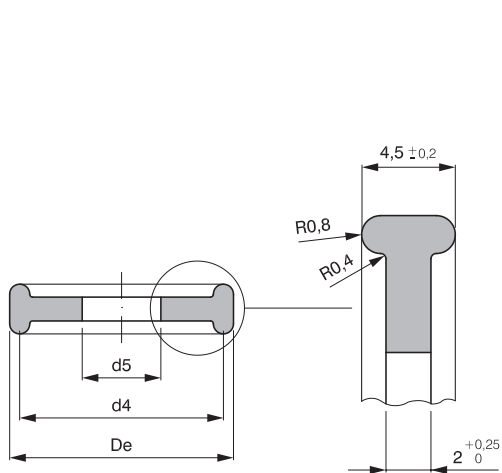


### Gaskets for CLAMP: E DIN 32676:2009-05 Tab.2-3-4 Type "A-B-C"

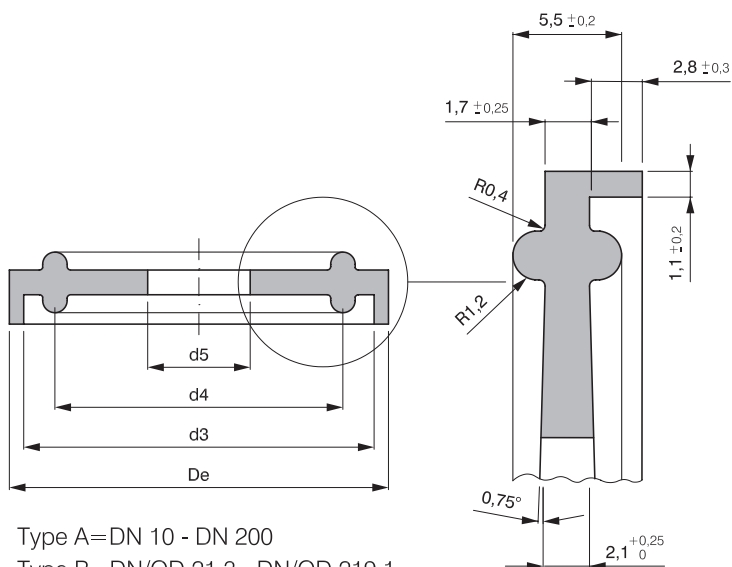
E DIN 32676:2009-05				Article Code Orobica P.G.	d3	d4	d5	De
"A"	"B"	"C"						
DN	DN/OD	DN/OD						
		Inch	mm					
		1/4"	6,35	056.1600		20,20 +0/-0,13	≥4,80	21,80 +0,2/-0
6				056.1006		20,20 +0/-0,13	≥6,20	21,80 +0,2/-0
	10,2			056.1700		20,20 +0/-0,13	≥7,20	21,80 +0,2/-0
		3/8"	9,53	056.1610		20,20 +0/-0,13	≥8,00	21,80 +0,2/-0
8				056.1008		20,20 +0/-0,13	≥8,20	21,80 +0,2/-0
		1/2"	12,70	056.1612		20,20 +0/-0,13	≥9,60	21,80 +0,2/-0
	13,5			056.1705		20,20 +0/-0,13	≥10,50	21,80 +0,2/-0
	17,2			056.1706		20,20 +0/-0,13	≥14,20	21,80 +0,2/-0
		3/4"	19,05	056.1615		20,20 +0/-0,13	≥16,00	21,80 +0,2/-0
10				056.1010	34,00 +0/-0,16	27,50 +0/-0,13	≥10,20	
				056.8010	34,00 +0/-0,16	27,50 +0/-0,13	≥10,20	36,20 +0/-0,16
15				056.1015	34,00 +0/-0,16	27,50 +0/-0,13	≥16,20	
				056.8015	34,00 +0/-0,16	27,50 +0/-0,13	≥16,20	36,20 +0/-0,16
20				056.1020	34,00 +0/-0,16	27,50 +0/-0,13	≥20,20	
				056.8020	34,00 +0/-0,16	27,50 +0/-0,13	≥20,20	36,20 +0/-0,16
	21,3			056.1710	50,50 +0/-0,19	43,50 +0/-0,16	≥18,30	
				056.1711	50,50 +0/-0,19	43,50 +0/-0,16	≥18,30	52,70 +0/-0,19
		1"	25,40	056.1617	50,50 +0/-0,19	43,50 +0/-0,16	≥22,30	
				056.1618	50,50 +0/-0,19	43,50 +0/-0,16	≥22,30	52,70 +0/-0,19
	26,9			056.1715	50,50 +0/-0,19	43,50 +0/-0,16	≥23,90	
				056.1716	50,50 +0/-0,19	43,50 +0/-0,16	≥23,90	52,70 +0/-0,19
25				056.1025	50,50 +0/-0,19	43,50 +0/-0,16	≥26,20	
				056.8025	50,50 +0/-0,19	43,50 +0/-0,16	≥26,20	52,70 +0/-0,19
	33,7			056.1720	50,50 +0/-0,19	43,50 +0/-0,16	≥29,90	
				056.1721	50,50 +0/-0,19	43,50 +0/-0,16	≥29,90	52,70 +0/-0,19
32				056.1032	50,50 +0/-0,19	43,50 +0/-0,16	≥32,20	
				056.8032	50,50 +0/-0,19	43,50 +0/-0,16	≥32,20	52,70 +0/-0,19
		1"1/2	38,10	056.1623	50,50 +0/-0,19	43,50 +0/-0,16	≥35,00	
				056.1624	50,50 +0/-0,19	43,50 +0/-0,16	≥35,00	52,70 +0/-0,19
40				056.1040	50,50 +0/-0,19	43,50 +0/-0,16	≥38,20	
				056.8040	50,50 +0/-0,19	43,50 +0/-0,16	≥38,20	52,70 +0/-0,19
	42,4			056.1725	64,00 +0/-0,19	56,50 +0/-0,19	≥38,60	
				056.1726	64,00 +0/-0,19	56,50 +0/-0,19	≥38,60	66,20 +0/-0,19
	48,3			056.1730	64,00 +0/-0,19	56,50 +0/-0,19	≥44,50	
				056.1731	64,00 +0/-0,19	56,50 +0/-0,19	≥44,50	66,20 +0/-0,19
		2"	50,80	056.1626	64,00 +0/-0,19	56,50 +0/-0,19	≥47,70	
				056.1627	64,00 +0/-0,19	56,50 +0/-0,19	≥47,70	66,20 +0/-0,19
50				056.1050	64,00 +0/-0,19	56,50 +0/-0,19	≥50,20	
				056.8050	64,00 +0/-0,19	56,50 +0/-0,19	≥50,20	66,20 +0/-0,19
	60,3			056.1735	77,50 +0/-0,19	70,50 +0/-0,19	≥56,50	
				056.1736	77,50 +0/-0,19	70,50 +0/-0,19	≥56,50	79,70 +0/-0,19
		2"1/2	63,50	056.1628	77,50 +0/-0,19	70,50 +0/-0,19	≥60,40	
				056.1629	77,50 +0/-0,19	70,50 +0/-0,19	≥60,40	79,70 +0/-0,19

### Gaskets for CLAMP: E DIN 32676:2009-05 Tab.2-3-4 Type "A-B-C"

E DIN 32676:2009-05				Article Code Orobica P.G.	d3	d4	d5	De
"A"	"B"	"C"						
DN	DN/OD	DN/OD						
		Inch	mm					
65	76,1	3"	76,20	056.1065	91,00 +0/-0,22	83,50 +0/-0,22	≥66,20	
				056.8065	91,00 +0/-0,22	83,50 +0/-0,22	≥66,20	93,20 +0/-0,22
	76,1	3"	76,20	056.1740	91,00 +0/-0,22	83,50 +0/-0,22	≥72,30	
				056.1741	91,00 +0/-0,22	83,50 +0/-0,22	≥72,30	93,20 +0/-0,22
	76,1	3"	76,20	056.1633	91,00 +0/-0,22	83,50 +0/-0,22	≥73,10	
				056.1634	91,00 +0/-0,22	83,50 +0/-0,22	≥73,10	93,20 +0/-0,22
80	88,9	3"	76,20	056.1080	106,00 +0/-0,22	97,00 +0/-0,22	≥81,20	
				056.8080	106,00 +0/-0,22	97,00 +0/-0,22	≥81,20	108,20 +0/-0,22
	88,9	3"	76,20	056.1745	106,00 +0/-0,22	97,00 +0/-0,22	≥84,50	
				056.1746	106,00 +0/-0,22	97,00 +0/-0,22	≥84,50	108,20 +0/-0,22
	88,9	3"	76,20	056.1635	119,00 +0/-0,22	110,00 +0/-0,22	≥97,60	
				056.1636	119,00 +0/-0,22	110,00 +0/-0,22	≥97,60	121,20 +0/-0,22
100	114,3	4"	101,60	056.1100	119,00 +0/-0,22	110,00 +0/-0,22	≥100,20	
				056.8100	119,00 +0/-0,22	110,00 +0/-0,22	≥100,20	121,20 +0/-0,22
	114,3	4"	101,60	056.1750	130,00 +0/-0,25	122,00 +0/-0,25	≥109,90	
				056.1751	130,00 +0/-0,25	122,00 +0/-0,25	≥109,90	132,20 +0/-0,25
125	139,7	4"	101,60	056.1125	155,00 +0/-0,25	146,00 +0/-0,25	≥125,20	
				056.8125	155,00 +0/-0,25	146,00 +0/-0,25	≥125,20	157,20 +0/-0,25
	139,7	4"	101,60	056.1755	155,00 +0/-0,25	146,00 +0/-0,25	≥134,70	
				056.1756	155,00 +0/-0,25	146,00 +0/-0,25	≥134,70	157,20 +0/-0,25
	139,7	4"	101,60	056.1638	167,00 +0/-0,29	156,50 +0/-0,25	≥147,10	
				056.1639	167,00 +0/-0,29	156,50 +0/-0,25	≥147,10	169,20 +0/-0,29
150	168,3	6"	152,40	056.1150	183,00 +0/-0,29	174,00 +0/-0,25	≥150,20	
				056.8150	183,00 +0/-0,29	174,00 +0/-0,25	≥150,20	185,20 +0/-0,29
	168,3	6"	152,40	056.1760	183,00 +0/-0,29	174,00 +0/-0,25	≥163,30	
				056.1761	183,00 +0/-0,29	174,00 +0/-0,25	≥163,30	185,20 +0/-0,29
200	219,1	6"	152,40	056.1200	233,50 +0/-0,29	225,00 +0/-0,29	≥200,20	
				056.8155	233,50 +0/-0,29	225,00 +0/-0,29	≥200,20	235,70 +0/-0,29
	219,1	6"	152,40	056.1765	233,50 +0/-0,29	225,00 +0/-0,29	≥214,10	
				056.1766	233,50 +0/-0,29	225,00 +0/-0,29	≥214,10	235,70 +0/-0,29



Type A=DN 6 - DN 8  
 Type B=DN/OD 10,2 - DN/OD 17,2  
 Type C=DN/OD 1/4" - DN/OD 3/4"



Type A=DN 10 - DN 200  
 Type B=DN/OD 21,3 - DN/OD 219,1  
 Type C=DN/OD 1" - DN/OD 6"

### Specole Gaskets: "E DIN" and "SMS"

DN		Article Code Orobica P.G.	D +0/-0,2	d +0,2/-0	d1 +0,2/-0	S1	S2	S +0,2/-0
E DIN (1.3)	SMS (1.2) (1.3)							
	25	056.2200	32,0	22,5	25,0	2,0	3,5	5,5
	25	056.2025	32,0	25,0				5,5
25		056.4025	37,0	28,0	32,0	4,0	2,0	6,0
	32	056.2032	40,0	32,0				5,5
32		056.4032	45,0	36,0	40,0	4,0	2,0	6,0
	38	056.2210	48,0	35,5	38,0	2,0	3,5	5,5
	40	056.2040	48,0	38,0				5,5
40		056.4040	57,0	45,0	50,0	4,0	2,0	6,0
	51	056.2220	61,0	48,5	51,0	2,0	3,5	5,5
	50	056.2050	61,0	51,0				5,5
50		056.4050	68,0	56,0	60,0	4,0	2,0	6,0
	63	056.2230	73,5	60,5	63,5	2,0	3,5	5,5
	65	056.2065	73,5	63,5				5,5
65		056.4065	81,0	67,0	75,0	4,0	2,0	6,0
	76	056.2240	86,0	72,9	76,0	2,0	3,5	5,5
	80	056.2080	86,0	76,0				5,5
80		056.4080	96,0	83,0	90,0	4,0	2,0	6,0
	100	056.2100	113,5	101,6				5,5
100		056.4100	114,0	98,0	111,0	4,0	2,0	6,0
	104	056.2250	116,0	100,0	104,0	2,0	3,5	5,5
125		056.4125	148,0	126,0	140,0	4,0	2,0	6,0

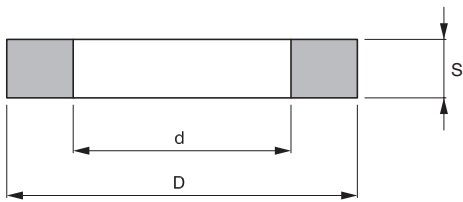


Figure (1.2)

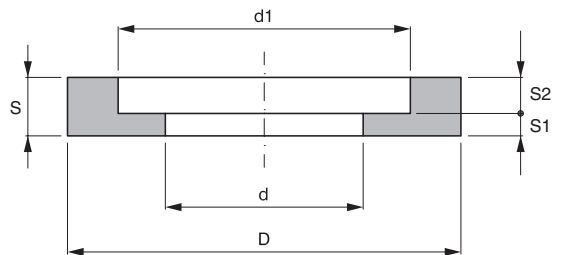
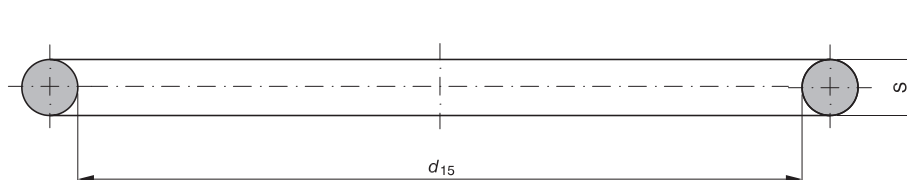


Figure (1.3)

**Joints Gaskets: DIN 11864-1-2-3:2008-11 Tab.7-8-9 Type: A-B-C and "BRITISH STANDARDS"**

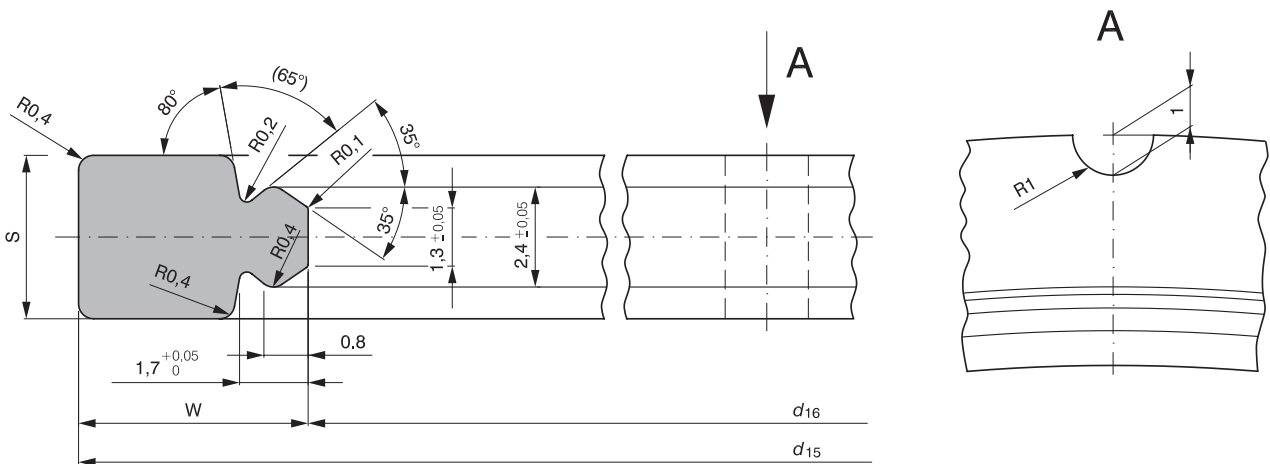
DIN 11864-1-2-3:2008-11				BRITISH STANDARDS		Article Code Orobica P.G.	d15		S	
"A"	"B"	"C"		DN			Inch	mm	Inch	mm
DN	DN/OD	DN/OD		DN						
		Inch	mm	Inch	mm					
10	13,5	1/2"	12,70			056.3200		12,00 ±0,19		3,50 ±0,10
	17,2							16,00 ±0,20		3,50 ±0,10
15		3/4"	19,05			056.3201		18,00 ±0,21		3,50 ±0,10
	21,3							20,00 ±0,22		3,50 ±0,10
20						056.3202		22,00 ±0,24		3,50 ±0,10
		1"	25,40			056.32021		24,00 ±0,25		3,50 ±0,10
	26,9							26,00 ±0,26		3,50 ±0,10
				1"	25,40	056.3010	1,070 ±0,010	27,10 ±0,25	0,248 ±0,006	6,30 ±0,15
25						056.3203		28,00 ±0,28		3,50 ±0,10
	33,7							32,00 ±0,32		5,00 ±0,13
32						056.3204		34,00 ±0,33		5,00 ±0,13
		1" 1/2	38,10			056.32041		37,00 ±0,36		5,00 ±0,13
				1" 1/2	38,10	056.3020	1,562 ±0,015	39,70 ±0,37	0,248 ±0,006	6,30 ±0,15
40						056.3205		40,00 ±0,38		5,00 ±0,13
	42,4							40,50 ±0,39		5,00 ±0,13
	48,3							46,50 ±0,44		5,00 ±0,13
		2"	50,80			056.32051		50,00 ±0,46		5,00 ±0,13
50						056.3206		52,00 ±0,48		5,00 ±0,13
				2"	50,80	056.3030	2,062 ±0,019	52,40 ±0,48	0,248 ±0,006	6,30 ±0,15
	60,3							58,50 ±0,54		5,00 ±0,13
		2" 1/2	63,50			056.32061		62,00 ±0,56		5,00 ±0,13
				2" 1/2	63,50	056.3040	2,562 ±0,022	65,10 ±0,56	0,248 ±0,006	6,30 ±0,15
65						056.3207		68,00 ±0,61		5,00 ±0,13
	76,1							73,50 ±0,66		5,00 ±0,13
		3"	76,20			056.32071		75,00 ±0,66		5,00 ±0,13
				3"	76,20	056.3050	3,066 ±0,026	77,90 ±0,66	0,248 ±0,006	6,30 ±0,15
80						056.3208		83,00 ±0,73		5,00 ±0,13
	88,9							86,50 ±0,75		5,00 ±0,13
				3" 1/2	88,90	056.3060	3,625 ±0,029	92,10 ±0,75	0,248 ±0,006	6,30 ±0,15
		4"	101,60			056.32081		100,00 ±0,84		5,00 ±0,13
100						056.3209		102,00 ±0,87		5,00 ±0,13
				4"	101,60	056.3070	4,062 ±0,033	103,10 ±0,84	0,248 ±0,006	6,30 ±0,15
				4" 1/2	114,30	056.3080	4,562 ±0,035	116,00 ±0,88	0,248 ±0,006	6,30 ±0,15
125						056.3210		127,00 ±1,00		5,00 ±0,13
150						056.3211		152,00 ±1,20		5,00 ±0,13





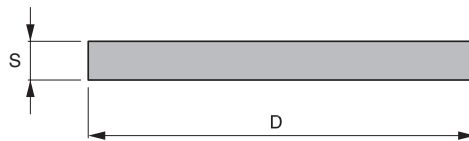
### Aseptic Gaskets: DIN 11864-1-2-3:2008-11 Tab.10-11-12 Type "A-B-C"

DIN 11864-1-2-3:2008-11				Article Code Orobica P.G.	d15 ±0,3	d16	s +0/-0,2	w ±0,1
"A"	"B"	"C"						
DN	DN/OD	DN/OD						
		Inch	mm					
10	13,5	1/2"	12,70	056.3300	20,00	10,60	3,6	4,7
	17,2			056.3305	24,00	14,60		
15		3/4"	19,05	056.3310	26,00	16,60		
	21,3			056.3315	28,10	18,70		
20				056.3320	30,00	20,60		
		1"	25,40	056.3325	32,00	22,60		
	26,9			056.3330	35,70	24,30	4,0	5,7
25				056.3335	38,00	26,60		
	33,7			056.3340	41,70	30,30		
32				056.3345	44,00	32,60		
		1" 1/2	38,10	056.3350	46,80	35,40		
40	42,4			056.3355	50,00	38,60		
	48,3			056.3360	56,30	44,90		
		2"	58,80	056.3365	59,80	48,40		
50				056.3370	62,00	50,60		
	60,3			056.3375	68,30	56,90		
		2" 1/2	63,50	056.3380	72,30	60,90		
65				056.3385	78,00	66,60		
	76,1			056.3390	84,10	72,70		
		3"	76,20	056.3395	84,90	73,50		
80				056.3400	93,00	81,60		
	88,9			056.3405	96,30	84,90		
		4"	101,60	056.3410	109,60	98,20		
100				056.3415	112,00	100,60		



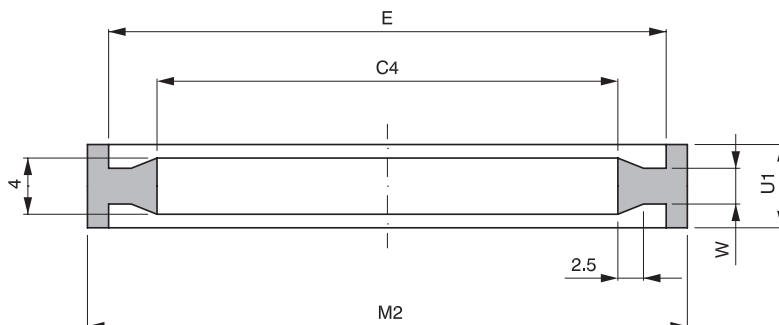
### Swivel Joints "E DIN" and "SMS"

DN		Article Code Orobica P.G.	D +0/-0,2	S +0,2/-0
E DIN	SMS			
10		056.5010	28,0	3,0
15		056.5015	34,0	
	25	056.5225	40,0	
20		056.5020	44,0	
25		056.5025	52,0	
32		056.5032	58,0	
	38	056.5240	60,0	
40		056.5040	65,0	
	51	056.5250	70,0	
50		056.5050	78,0	
	63	056.5265	83,0	
60		056.5060	85,0	
65		056.5065	95,0	
	76	056.5280	98,0	
80		056.5080	110,0	
90		056.5090	120,0	
100		056.5100	130,0	
125		056.5125	160,0	
150		056.5150	190,0	



### Joints Gaskets: BS 4825-4:1991+A1:2009 Table 7 (IDF Type)

DN		Article Code Orobica P.G.	Dimensions				
Inch	mm		M2 ±0,25	E +0/-0,5	C4 +0,5/-0	U1 ±0,1	W +0,1/-0
1"	25,40	056.5500	32,5	29,2	23,2	7,0	3,0
1" 1/4	31,80	056.5510	39,0	35,8	29,5	7,0	3,0
1" 1/2	38,10	056.5520	46,0	42,7	35,9	7,0	3,0
2"	50,80	056.5530	59,5	56,2	48,6	7,0	3,0
2" 1/2	63,50	056.5540	73,2	69,9	61,3	7,0	3,0
3"	76,20	056.5550	86,5	82,6	74,0	7,0	3,0
3" 1/2	88,90	056.5560	99,5	95,3	86,0	7,0	3,0
4"	101,6	056.5570	119,0	111,0	98,6	9,6	5,0



## ARTICOLI TECNICI

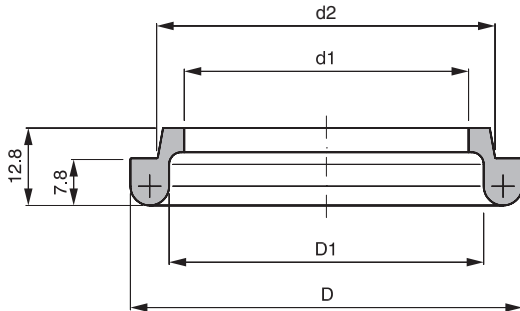
TECHNICAL ARTICLES

ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

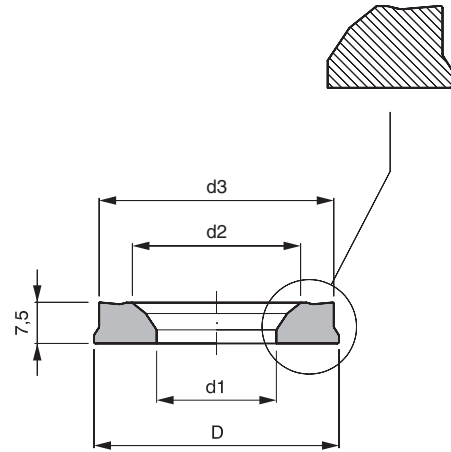
ARTÍCULOS TÉCNICOS

MATERIALE MATERIAL	NBR
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COD.	DN	D1	D	d1	d2
056.8530	2"	52	64,8	47	55,8
056.8550	3"	78	90,5	72,5	81,5

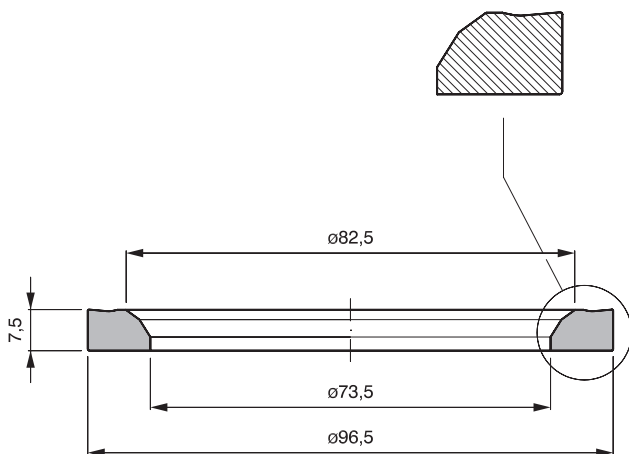
MATERIALE MATERIAL	EPDM
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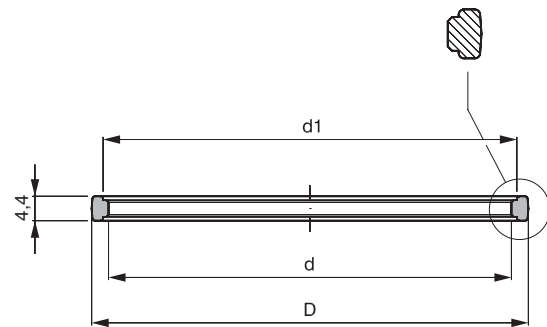
COD.	D	d1	d2	d3
056.90010	45	22	31	43,1
056.90020	58,5	35,5	44,5	56,6
056.90030	65,5	42,5	51,5	63,6
056.90040	69	46	55	67,1
056.90050	81	58	67	79,1
056.90055	88,5	65,5	74,5	86,6

### 056.90060

MATERIALE MATERIAL	EPDM
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MATERIALE MATERIAL	EPDM	VMQ	FKM
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COD.	D	d	d1
056.90106	34,7	29,5	31,6
056.90102	44,8	38,5	40,5
056.90103	56,5	50,5	52,5
056.90107	60,5	55	56,5
056.90104	66,5	60,3	62,3
056.90101	72,7	66,7	68,7
056.90105	77	71	73
056.90100	80,2	74	76
056.90110	87,5	81,1	83,1
056.90117	93,6	87,3	88

## ARTICOLI TECNICI

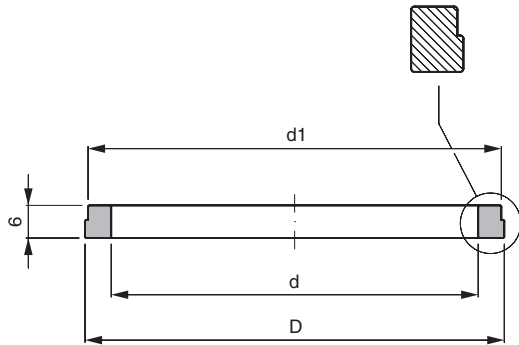
TECHNICAL ARTICLES

ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

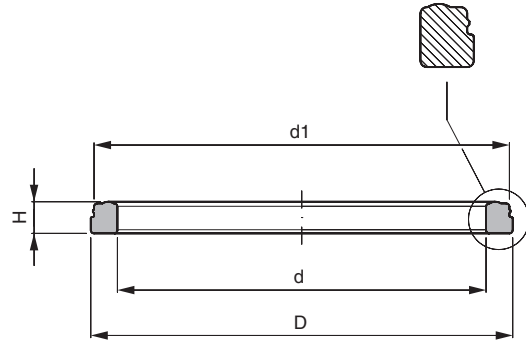
ARTÍCULOS TÉCNICOS

MATERIALE MATERIAL	EPDM	VMQ	FKM
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COD.	D	d	d1
056.90114	31	21,4	30
056.90115	43,3	33,7	42,3
056.90113	54,7	45,1	53,6
056.90116	65,3	55,7	64,3
056.90112	71,4	61,8	70,3
056.90111	77	67,4	75,9
056.90118	84,5	75,80	83,5

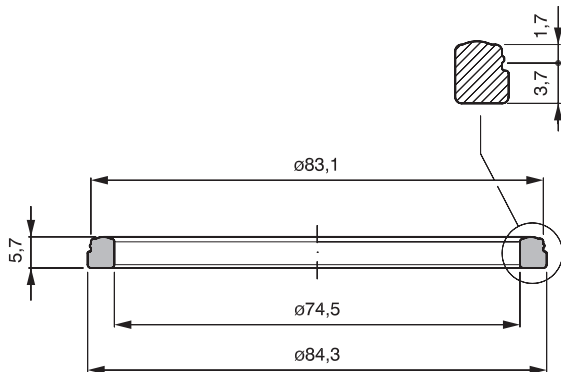
MATERIALE MATERIAL	EPDM
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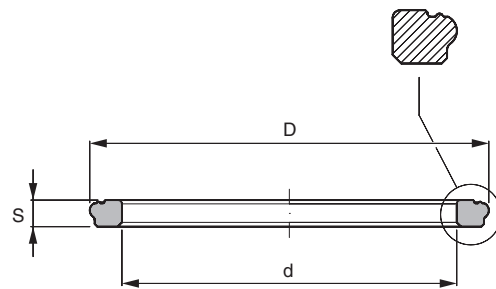
COD.	D	d	d1	H
056.90120	77,5	67,7	76,3	5,8
056.90121	62,4	53,15	60,9	6

056.90130

MATERIALE MATERIAL	EPDM
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MATERIALE MATERIAL	EPDM
--------------------	------



COD.	D	d	S
056.90172	45,7	34	4,8
056.90173	58,1	46,1	4,9
056.90140	73,3	61,5	4,9
056.90150	80,3	68,3	4,8

## ARTICOLI TECNICI

TECHNICAL ARTICLES

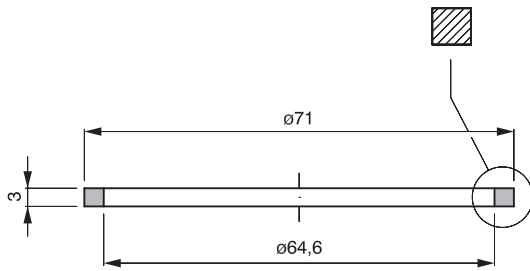
ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

ARTÍCULOS TÉCNICOS

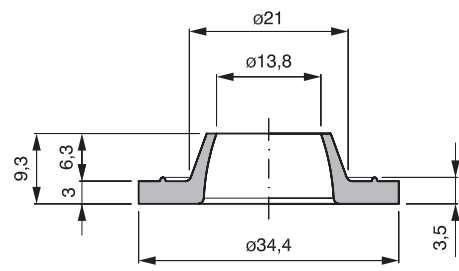
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MATERIALE MATERIAL	EPDM
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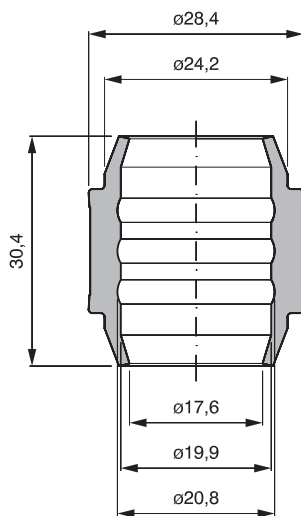
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MATERIALE MATERIAL	EPDM	FKM
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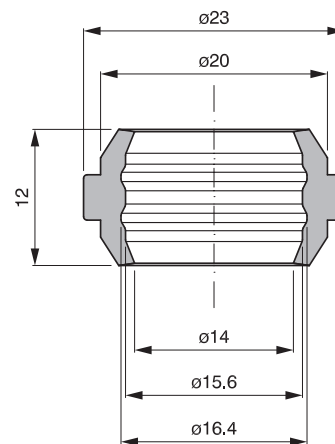
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MATERIALE MATERIAL	EPDM	VMQ
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200.0206

MATERIALE MATERIAL	EPDM
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## ARTICOLI TECNICI

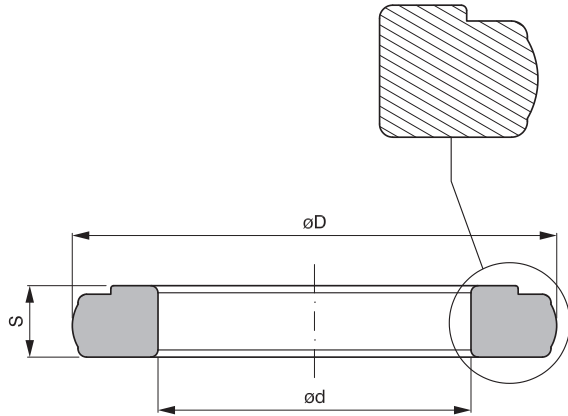
TECHNICAL ARTICLES

ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

ARTÍCULOS TÉCNICOS

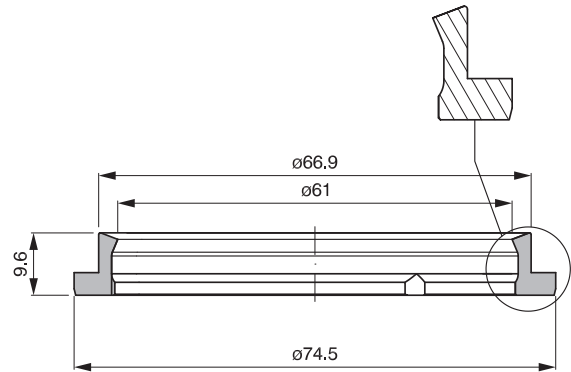
MATERIALE MATERIAL	EPDM
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COD.	D	d	S
056.90174	33,9	21,9	5
056.90175	45,8	34	4,9
056.90176	58	46,2	4,9
056.90177	73,3	61,7	4,9
056.90178	88,8	76,8	5

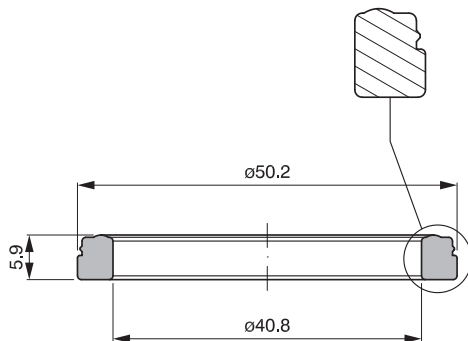
200.0207

MATERIALE MATERIAL	PTFE
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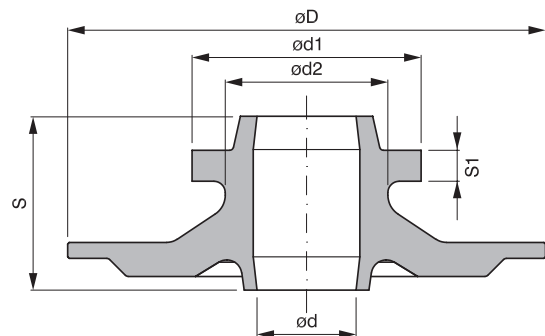


056.90171

MATERIALE MATERIAL	EPDM
-----------------------	------



MATERIALE MATERIAL	EPDM
-----------------------	------



COD.	D	D	d1	d2	S	S1
200.0208	63,2	13,1	30,3	21,5	23	4,1
200.0209	84,8	16,1	32,5	23,7	23	3,9
200.0210	102,2	16,1	33,1	23,7	23	4,4
200.0211	118,9	19,5	36,1	27,5	23	4
200.0212	156,2	19,5	36,3	27,7	24,3	3,9

## ARTICOLI TECNICI

TECHNICAL ARTICLES

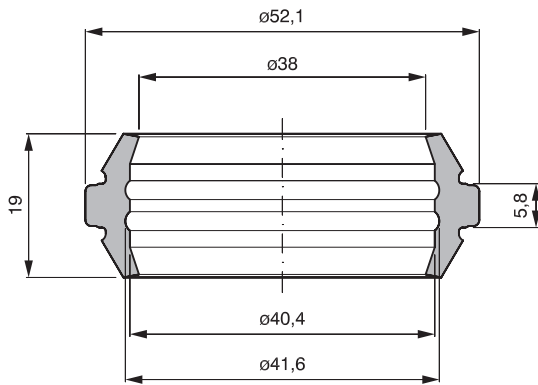
ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

ARTÍCULOS TÉCNICOS

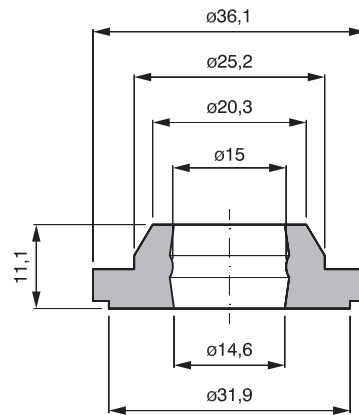
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MATERIALE MATERIAL	EPDM	VMQ
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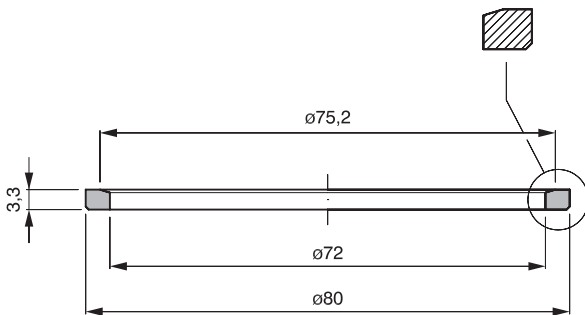
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MATERIALE MATERIAL	NBR
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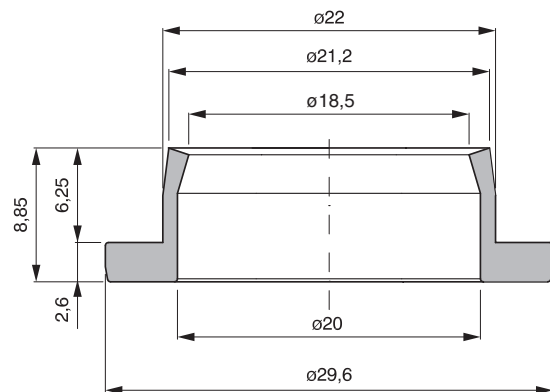
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MATERIALE MATERIAL	NBR
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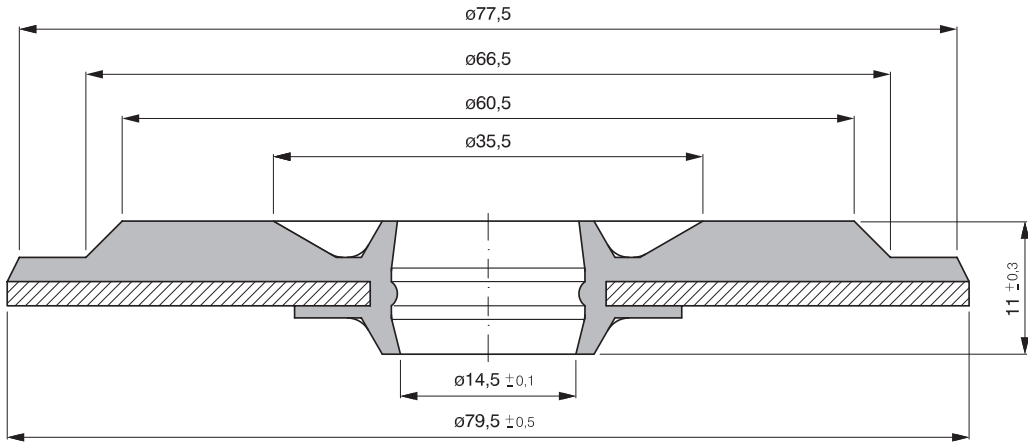


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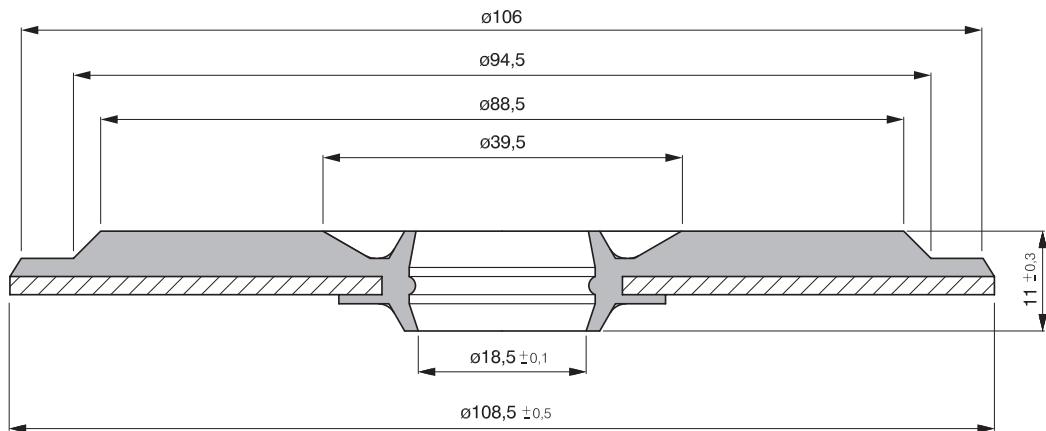
MATERIALE MATERIAL	PTFE
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200.0042



200.0043





## ARTICOLI TECNICI

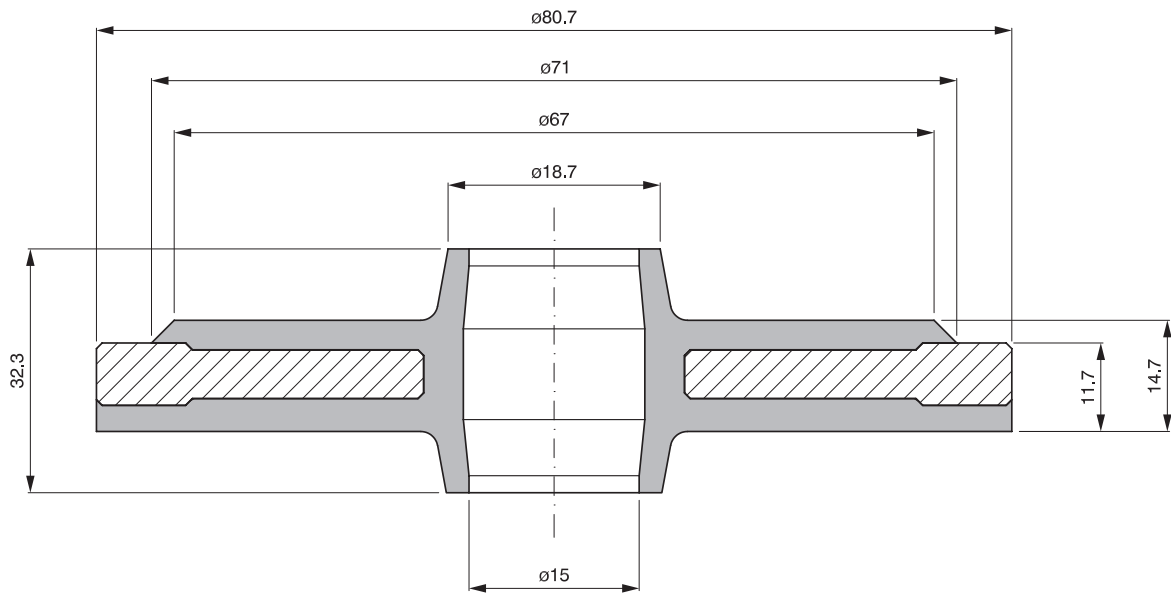
TECHNICAL ARTICLES

ARTICLES TECHNIQUES

TECHNISCHE ARTIKEL

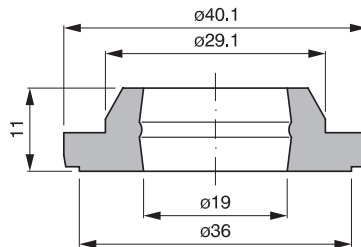
ARTÍCULOS TÉCNICOS

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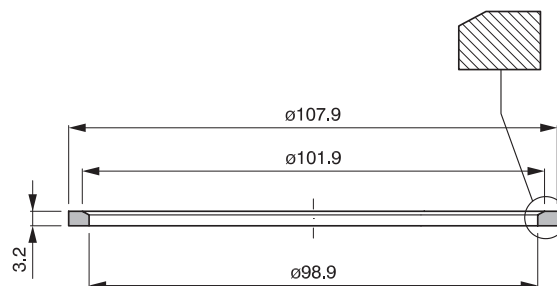
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## CONDIZIONI GENERALI DI VENDITA

## GENERAL SALES CONDITIONS

### 1. ORDINI:

Gli ordini pervenuti si intendono validi solo a titolo di prenotazione e non impegnano l'Orobica Plast-Gom srl alla consegna, sia totale che parziale. Non potranno essere evasi ordini di importo netto inferiore a EURO 200,00 per il territorio nazionale, e EURO 500,00 o di pari controvalore in divisa estera, negli altri Stati. In deroga a quanto sopra, è prevista l'evasione di più ordini, anche di importo inferiore, purché cumulandoli nel mese commerciale, si raggiunga l'importo minimo fatturabile precedentemente descritto. Tuttavia, in casi eccezionali dove non sia possibile raggiungere il minimo fatturabile, previo accordi con il responsabile del nostro ufficio commerciale (RUC), evaderemo ordini anche di importo inferiore.

### 2. CONSEGNA:

I termini di consegna pattuiti sono indicativi e non impegnativi. In nessun caso e per nessun motivo l'Orobica Plast-Gom srl, è tenuta a corrispondere qualsiasi indennizzo per eventuali danni diretti e indiretti dovuti a ritardi di consegna.

### 3. IMBALLO:

In mancanza di precise istruzioni descritte negli ordini, l'imballo verrà effettuato in scatole di cartone o sacchetti di plastica tipo standard, nel modo ritenuto da noi più idoneo, senza addebiti di costi. Nel caso siano richiesti imballi diversi da come precedentemente descritti (non standard), verranno addebitati al costo.

### 4. TRASPORTI E SPEDIZIONI:

La merce viene spedita: "E.X.W. FRANCO FABBRICA" e viaggia a rischio e pericolo del committente. In nessun caso e per nessun motivo la nostra società è tenuta a corrispondere qualsiasi indennizzo per eventuali danni diretti e indiretti, dovuti a ritardi di consegna. In mancanza di precise istruzioni, le spedizioni verranno effettuate col mezzo ritenuto più opportuno, senza che ciò possa dar luogo a reclami.

### 5. RESI:

Non si accetta merce di ritorno senza autorizzazione da parte del responsabile del nostro ufficio commerciale (RUC). In base agli usi consolidati, non potranno essere prese in considerazione richieste di resi di materiale, la cui consegna risalga a 30 giorni prima della richiesta di restituzione, o di materiale fuori dai nostri cataloghi ufficiali.

### 6. RECLAMI:

Non si accettano reclami di qualsiasi tipo, trascorsi 8 giorni dalla data di ricevimento merce. Fa fede, a tale scopo, la data del documento di trasporto (DDT).

### 7. PAGAMENTO:

Le modalità di pagamento sono quelle pattuite e riportate in fattura. Trascorse le scadenze convenute, Orobica Plast-Gom srl sarà automaticamente autorizzata a conteggiare gli interessi di mora, in misura pari al "prime rate" ABI in vigore, maggiorato dell'1% e a sospendere l'evasione di eventuali ordini in corso.

### 8. FATTURE:

Le fatture si intendono integralmente accettate, ove non siano respinte entro 5 giorni dal loro ricevimento.

### 9. STAMPI E ATTREZZATURE:

Gli stampi e le attrezzature rimangono di proprietà dell'Orobica Plast-Gom srl, fino al totale pagamento degli stessi, da parte del committente.

### 10. LISTINI PREZZI:

I prezzi esposti nei listini possono subire variazioni a seconda delle esigenze di mercato o in correlazione a variazioni del costo delle materie prime o della mano d'opera, senza preavviso di sorta alla clientela.

### 11. CATALOGHI:

Tutti i disegni, fotografie, dati tecnici riportati nei cataloghi Orobica Plast-Gom srl, sono puramente indicativi e non impegnativi. Orobica Plast-Gom srl si riserva il diritto di apportare ai propri cataloghi e ai propri prodotti, in qualunque momento e senza nessun preavviso, tutte le modifiche che, a suo insindacabile giudizio, riterrà convenienti ai fini produttivi o utili a migliorarne la qualità, la funzionalità e le prestazioni.

### 12. CONTROVERSIE:

Per qualsiasi controversia si applicherà la legge italiana e sarà competente il foro di Bergamo.

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### 1. PURCHASE ORDERS:

The purchase orders we receive are only valid as booking and they do not bind Orobica Plast-Gom srl on the total or partial delivery. We do not dispatch any purchase order inferior to EURO 200,00 in the national territory and any purchase order inferior to EURO 500,00 or at the same countervalue in foreign countries. In derogation from what we have mentioned above, we can also dispatch various orders of lower amount, provided that amassing them in the commercial month you attain the minimum amount to invoice. We will send orders of lower amount only if this has been previously agreed upon with the responsible of the sales department (RUC).

### 2. DELIVERY:

Delivery times are indicative and not binding. Orobica Plast-Gom srl will not correspond any indemnity for possible direct and indirect damages, due to time-lag in the delivery, under any circumstances and any cause.

### 3. PACKING:

Failing exact instructions described in the orders, packing will be either in standard cardboard boxes or in standard plastic bags, without extra charges. In case you ask for different packings (not standard), we will debit you with extra costs.

### 4. TRANSPORTS AND SHIPMENTS:

The shipment of the goods is "E.X.W. Ex works". Goods travel at buyer's risk, even if they have been sold "ex-factory". Orobica Plast-Gom srl will not correspond any indemnity for possible direct and indirect damages, due to time-lag in the delivery, under any circumstances and any cause. Failing exact directions, shipments will be made using means of transport that we consider more appropriate, without you complaining about it.

### 5. RESTITUTIONS:

We do not accept any restitution, by authority received by the responsible of our sales department (RUC). According to our internal rules, we do not accept restitutions of goods which have been shipped 30 days before your request of return. This is also valid for articles made without using our catalogues.

### 6. COMPLAINTS:

We do not accept any complaint after 8 days you have received the goods. To this purpose, we will consider valid the date of the delivery note (DDT).

### 7. PAYMENTS:

Payment conditions refer either to the ones we have agreed upon or reported in the invoice. Orobica Plast-Gom srl is authorized to count the interests on delayed payments, equivalent to the "prime rate" in force, in case you do not respect the maturity agreed upon.

### 8. INVOICES:

We consider invoices entirely accepted, only if they are not rejected within 5 days from their receiving.

### 9. TOOLS AND EQUIPMENTS:

Tools and equipments belong to Orobica Plast-Gom srl, until they have been entirely paid from buyers.

### 10. PRICE LISTS:

Price lists can be modified either according to the demands of the market or because of the rise of prices of raw materials and labour, without previous notice to our customers.

### 11. CATALOGUES:


All drawings, pictures and technical data reported on the catalogues Orobica Plast-Gom srl are only indicative and not binding. Orobica Plast-Gom srl reserves the right to modify its products and catalogues in every moment and without previous notice, if this in its opinion can help to increase product-functionality and to get better technical performances.

### 12. CONTROVERSY:

The Italian law will be applied to solve every controversy and the competent law-courts are in Bergamo.




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