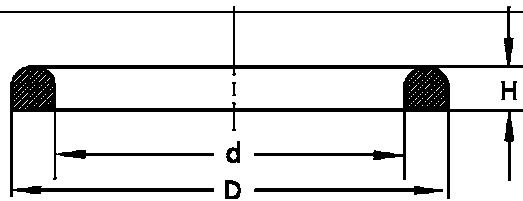


GASKET SELECTION GUIDE

The choice of seal material will depend on the material being processed and the operating conditions. The table below is a general guidance on seal material selection. If any doubt please contact our sales office.

EPDM:	Resistance is good to alcohol, ketones, mineral acids and alkalis. Especially suitable for CIP. Not suitable for use with oils and hydrocarbons. Temperature range from -50°C to 150°C.
FPM:	Particularly resistant to acids, solvents and most commonly used chemicals in the food industry. Unsuitable for ketones, esters, hot concentrated caustic solutions, and steam. Temperature range from -30°C to 200°C.
NBR:	Resistance is good to oils, mineral fats and water. Not recommended for CIP. Temperature range -40°C to 100°C.
VMQ:	High chemical resistance to most media encountered in the food industry. Good resistance to oxidising agents, alkali solutions, and animal/vegetable fats. Not recommended for strong acids and bases. Temperature range from -60°C to 200°C.
PTFE:	Almost universal chemical inertness. Suffers from cold flow and hence must not be over tightened. Temperature range from -100°C to 250°C.
KALREZ:	Almost universal chemical inertness. Especially suitable for CIP, SIP and WFI systems. Temperature range -20°C to 260°C.
ENVELOPE:	Almost universal chemical inertness. This gasket is a composite construction being a PTFE outer case, in contact with the media, and a FPM filler that provides elasticity. Temperature range from -30°C to 200°C.

DIN 11851



DIN 11851

DN	d BORE	Ø D	Ø H	UNION NUT DIA	EPDM	FPM	PTFE	NBR
10	12	20	4,5	38	*	*		*
15	18	26	4,5	44	*	*		*
20	23	33	4,5	54	*	*	*	
25	30	40	5	63	*	*	*	*
32	36	46	5	70	*			
40	42	52	5	78	*	*	*	*
50	54	64	5	92	*	*	*	*
65	71	81	5	112	*	*		*
80	85	95	5	127	*	*	*	*
100	104	114	6	148	*	*	*	*
125	130	142	7	178	*			*
150	155	167	7	210	*	*		

* Elastomers available

Ordering example: DIN-Nr + DN + Elastomer (DIN 11851 10 EPDM)

Elastomers available:

Elastomer: EPDM
 FDA CFR21:177.2600
 Colour: Black

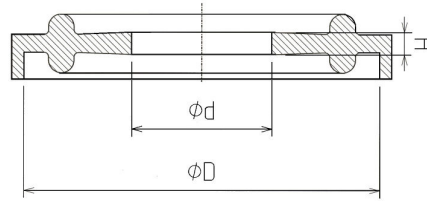
Elastomer: FPM
 FDA CFR21:177.2600
 Colour: Black

Elastomer: NBR
 FDA CFR21:177.2600
 Colour: Blue

Material: PTFE
 FDA CFR21:177.1550
 Colour: White

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DIN 32676



DIN 32676

DN	d BORE	Ø D	Ø H	FLANGE DIA.	EPDM	VMQ	VMQ	FPM	NBR	PTFE
6	6,2	34	2,1	34			*			
8	8,2	34	2,1	34			*			
10	10,2	34	2,1	34	*	*	*	*		*
15	16,2	34	2,1	34	*	*	*	*		*
20	20,2	34	2,1	34	*	*	*	*	*	*
		34	2,1	34	*		*			
25	26,2	50,5	2,1	50,5	*	*	*	*		*
32	32,2	50,5	2,1	50,5	*		*	*		*
40	38,2	50,5	2,1	50,5	*	*	*	*		*
		50,5	2,1	50,5	*		*			*
50	50,2	64	2,1	64	*	*	*	*		*
65	66,2	91	2,1	91	*	*	*	*		
		91	2,1	91	*					
80	81,2	106	2,1	106	*	*	*		*	
100	100,2	119	2,1	119	*	*	*	*		
115	110,3	130	2,1	130						
125	125,2	155	2,1	155	*					
150	150,2	183	2,1	183	*			*		
200	200	233,5	2,1	233,5	*					
250	267,8	286,1	2,1	286,1						
300	318,7	338,5	2,1	338,5						

* Elastomers available

Ordering example: DIN-Nr + DN + Elastomer (DIN 32676 6 VMQ)

Elastomers available:

Elastomer: EPDM – EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: NBR
FDA CFR21:177.2600
Colour: Black

Elastomer: FPM – FPM/300
FDA CFR21:177.2600/USP Class VI
Colour: Green

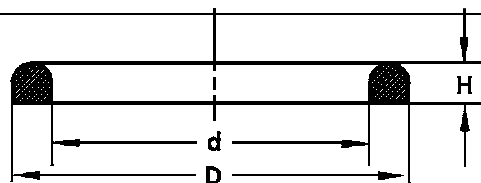
Elastomer: VMQ
FDA CFR21:177.2600
Colour: White

Elastomer: VMQ/PLATINUM – VMQ/600
FDA CFR21:177.2600/USP Class VI
Colour: Transparent

Material: PTFE
FDA CFR21:177.1550
Colour: White

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DS



DS

DN	d BORE	Ø D	Ø H	UNION NUT DIA.	EPDM	VMQ	FPM	NBR	PTFE
25	25	31,8	4,5	57	*		*	*	*
38	38	46,8	4,5	71	*	*	*	*	*
51	51	58,7	4,5	86	*	*	*	*	*
63,5	63,5	74,2	4,5	103	*		*	*	*
76,1	76,1	87,6	4,5	115	*	*	*	*	*
101,6	101,6	112,1	4,5	147	*		*	*	*

* Elastomers available

Ordering example: DIN-Nr. + DN + Elastomer (DS 25 EPDM)

Elastomers Available:

Elastomer: EPDM – EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: NBR
FDA CFR21:177.2600
Colour: Black

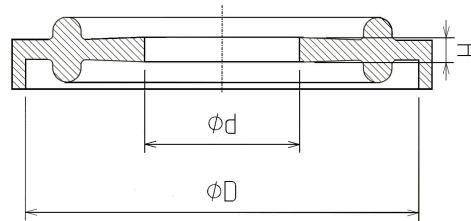
Elastomer: FPM
FDA CFR21:177.2600
Colour: Black

Elastomer: VMQ PLATINUM – VMQ/600
FDA CFR21:177.2600/USP Class VI
Colour: Transparent

Material: PTFE
FDA CFR21:177.1550
Colour: White

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ISO 1127



ISO 1127

DN	d BORE	Ø D	Ø H	FLANGE DIA.	EPDM	VMQ	FPM	PTFE
8	10,3	34	2,1	34				
	13,5	34	2,1	34				
15/1	18,1	34	2,1	34		*		
		34	2,1	34	*	*		
8	10,5	50,5	2,1	50,5	*	*		
10	13,5	50,5	2,1	50,5				*
10	14,2	50,5	2,1	50,5	*	*		
15	18,3	50,5	2,1	50,5	*	*		*
20	22,9	50,5	2,1	50,5				
20	23,9	50,5	2,1	50,5	*	*		*
25	29,9	50,5	2,1	50,5	*	*		*
33,7	30,5	50,5	2,1	50,5				
33,7	31,1	50,5	2,1	50,5				
		50,5	2,1	50,5	*	*		
32	38,6	64	2,1	64	*	*		*
40	44,5	64	2,1	64	*	*	*	*
50	50,3	77,5	2,1	77,5				
50	56,5	77,5	2,1	77,5	*	*		*
		77,5	2,1	77,5	*			
65	72,3	91	2,1	91	*	*		
65	72,9	91	2,1	91				
		91	2,1	91	*			
80	80,2	106	2,1	106				
80	84,5	106	2,1	106	*	*		
100	109,9	130	2,1	130	*	*		
150	163,3	182,7	2,1	182,7	*	*		
200	214,1	233,5	2,1	233,5	*	*		
250	266,5	287,5	2,1	287,5	*	*		
300	316,1	338,3	2,1	338,3	*	*		

* Elastomers available

Ordering example: DIN-Nr. + DN + Elastomer (ISO 1127 15/1 VMQ)

Elastomers available:

Elastomer: EPDM - EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black

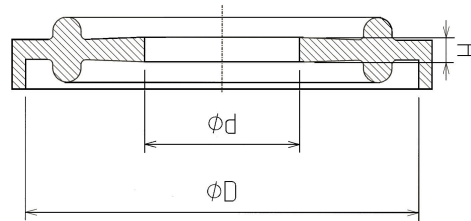
Elastomer: VMQ PLATINUM - VMQ/600
FDA CFR21:177.2600/USP Class VI
Colour: Transparent

Elastomer: FPM - FPM/300
FDA CFR21:177.2600/USP Class VI
Colour: Green

Material: PTFE
FDA CFR21:177.2600
Colour: White

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ISO 2852



ISO 2852

DN	d BORE	Ø D	Ø H	FLANGE DIA.	EPDM	VMQ	VMQ/600	FPM	NBR	PTFE	ENVELOPE	KALREZ
12,7	10,9	34	2,1	34								
17,2	15,4	34	2,1	34								
21,3	19,5	34	2,1	34								
		34	2,1	34	*		*					
25	22,8	50,5	2,1	50,5	*	*	*	*	*	*	*	*
33,7	31,5	50,5	2,1	50,5								
38	35,8	50,5	2,1	50,5	*	*	*	*	*	*	*	*
		50,5	2,1	50,5	*		*			*		
40	37,8	64	2,1	64								
51	48,8	64	2,1	64	*	*	*	*	*	*	*	*
63,5	60,5	77,5	2,1	77,5	*	*	*	*	*	*	*	*
		77,5	2,1	77,5	*							
70	67	91	2,1	91								
76,1	73,1	91	2,1	91	*	*	*	*	*	*	*	
		91	2,1	91	*							
88,9	85,1	106	2,1	106	*					*		
101,6	97,8	119	2,1	119	*	*	*	*	*	*	*	
114,3	110,5	130	2,1	130	*		*					
127	120,2	144,5	2,1	144,5	*		*					
139,7	135,9	155	2,1	155								
152,4	147,2	167	2,1	167	*		*					
168,3	163,3	183	2,1	183	*					*		
203,2	198,2	217,5	2,1	217,5	*		*					
219,1	214,1	233,5	2,1	233,5	*				*	*	*	
254	250,2	268	2,1	268	*		*					

* Elastomers available

Ordering example: ISO-Nr. + DN + Elastomer (ISO 2852 25 VMQ/600)

Elastomers available:

Elastomer: EPDM - EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: NBR - NBR/001
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: FPM - FPM/300
FDA CFR21:177.2600/USP Class VI
Colour: Green

Elastomer: VMQ PLATINUM - VMQ/600
FDA CFR21:177.2600/USP Class VI
Colour: Transparent

Elastomer: ENVELOPE PTFE/FPM
FDA CFR21:177.1550
Colour: White / Black

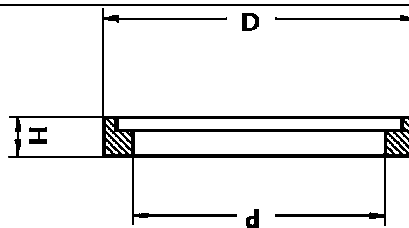
Material: PTFE
FDA CFR21:177.1550
Colour: White

Elastomer: KALREZ 6230 3A Sanitary
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: VMQ
FDA CFR21:177.2600
Colour: White

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ISO 2853



ISO 2853

DN	d BORE	Ø D	Ø H	UNION NUT DIA.	EPDM	FPM	NBR
25	23,6	32,5	6	48	*	*	*
38	36,6	46	6	64	*	*	*
51	49,6	59,5	6	77	*	*	*
63,5	61,3	73,2	6	91	*	*	*
76,1	73,9	86,5	6	106	*	*	*
101,6	98,6	112,5	6	135	*	*	*

* Elastomers available

Ordering example: ISO-Nr. + DN + Elastomer (ISO 2853 25 FPM)

Elastomers available:

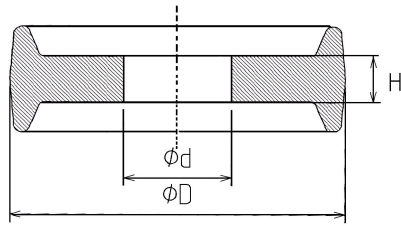
Elastomer: EPDM - EPDM/400
 FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: FPM
 FDA CFR21:177.2600
Colour: Black

Elastomer: NBR - NBR/001
 FDA CFR21:177.2600/USP Class VI
Colour: Black

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MINI CLAMP



MINI CLAMP

DN	d BORE	Ø D	Ø H	FLANGE DIA.	EPDM	VMQ	VMQ/600	FPM	PTFE	ENVELOPE	KALREZ
	3,05	21,84	2	25,4							
4	4	21,84	2	25,4	*						
4/1	4,2	21,84	2	25,4	*						
6	4	21,84	2	25,4							
8/1	6	21,84	2	25,4	*		*		*		
10/3	8	21,84	2	25,4					*		
8/2	8	21,84	2	25,4	*			*			
8/4	8,2	21,84	2	25,4	*		*				
12,7/1	9,6	21,84	2	25,4	*		*				
10/2	10	21,84	2	25,4	*			*			
12/2	10	21,84	2	25,4					*	*	
12,7	10,55	21,84	2	25,4	*	*		*	*		*
8/3	10,55	21,84	2	25,4	*						
12/1	12	21,84	2	25,4	*			*			
14/1	12	21,84	2	25,4					*		
10/1	12,3	21,84	2	25,4	*						
13	13	21,84	2	25,4	*						
14/2	14	21,84	2	25,4	*			*			
14/3	14,2	21,84	2	25,4	*		*				
19,05	15,9	21,84	2	25,4	*	*	*	*			*
18/1	16	21,84	2	25,4	*			*	*	*	
		21,84	2	25,4	*				*		

* Elastomers available

Ordering example: MINI CLAMP + DN + Elastomer (MINI CLAMP 10/3 PTFE)

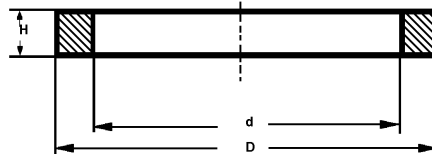
Elastomers available:

Elastomer: EPDM - EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black
Elastomer: FPM - FPM/300
FDA CFR21:177.2600/USP Class VI
Colour: Green
Elastomer: VMQ
FDA CFR21:177.2600
Colour: White
Materiale: VMQ PLATINUM - VMQ/600
FDA CFR21:177.2600/USP Class VI
Colour: Transparent

Elastomer: ENVELOPE PTFE/FPM
FDA CFR21:177.1550
Colour: White / Black
Material: PTFE
FDA CFR21:177.1550
Colour: White
Elastomer: KALREZ 6230
FDA CFR21:177.2600/USP Class VI
3A Sanitary
Colour: Balck

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SMS 1149



SMS 1149

DN	d BORE	Ø D	Ø H	UNION NUT DIA.	EPDM	FPM	NBR	PTFE
25	25	32	5,5	51	*	*	*	*
32	32	40	5,5		*			*
*38	38	48	5,5	74	*	*	*	*
51	51	61	5,5	84	*	*	*	*
63,5	63,5	73,5	5,5	100	*	*	*	*
76	76	86	5,5	114	*	*	*	*
101,6	101,6	113,5	5,5	154	*	*	*	

* Elastomers available

Ordering example: SMS-Nr. + DN + Elastomer (SMS 1149 25 NBR)

Elastomers available:

Elastomer: EPDM - EPDM/400
FDA CFR21:177.2600/USP Class VI
Colour: Black

Elastomer: NBR
FDA CFR21:177.2600
Colour: Black

Elastomer: FPM
FDA CFR21:177.2600
Colour: Black

Material: PTFE
FDA CFR21:177.1550
Colour: White

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