

**EXPERT IN
SEALING SOLUTIONS**



**ASEPTIC
SEALING**



A WIDE RANGE

ROTARY
HYDRAULIC
PNEUMATIC
ASEPTIC
MACHINED PARTS

EXPRESS DELIVERY

24/48H

TECHNICAL SUPPORT

ADVISES, HELPS AND
PROVIDES YOU TECHNICAL
ASSISTANCE!



SUMMARY

ASEPTIC AND JR FITTING SEALS	6
FEATURES	7
D-RING SEALS	8
SMS SEALS	11
CLAMP SEALS	13
SJR SEALS	19



**SEAL MANUFACTURER
AND SUPPLIER**

FOR ALL INDUSTRIES

**EXPERT IN
SEALING PRODUCTS
FOR MORE THAN 25 YEARS**

SEAL France has specialised in the manufacture and marketing of standard sealing and custom-made products. SEAL France is present in France and abroad. Expertise and technical skills are our strength that we want to put at the service of our customers.

MARKET EXPERTISE

FOOD AND BEVERAGE



PHARMACEUTICAL



HYDRAULIC



PETROCHEMISTRY



AEROSPACE



ENERGY



5 RANGES

+ 70 000 REFERENCES

FOR ANY TYPE OF SEALING



ASEPTIC & SJR SEALS

DESCRIPTIVE

Aseptic and fitting seals (sanitary) are aimed to ensure the sealing between the components of a fluid transfer channel (valves, fittings, pumps) and composed of several profiles (Clamp, SMS, D Ring) with standardized dimensions.

Excellent adaptability to all temperatures, no extrusion and no cold flow. Aseptic seals are designed for food, cosmetics, pharmaceutical industries and wine production.

In order to meet the needs of the industries, we have the latest certifications (CE1935/2004 – ACS - KTW). We propose you clamp seals, SMS, D-Ring, SJR in NBR, EPDM, FPM, PTFE, SIL which meet the main standards (BOSD, SLS, DIN, ISO).



D-RING



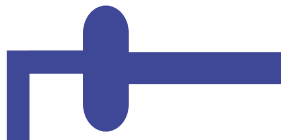
RIMMED D-RING



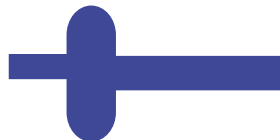
SMS/R



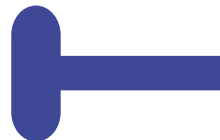
SMS/L



**CLAMP
TYPE "A"**



**CLAMP
TYPE "B"**



**CLAMP
TYPE "P"**



SJR

MATERIALS

Depending on different criteria and conditions of use defined by the user, the most adapted material will be recommended. A good technical diagnostic will ensure optimum seal tightness.

COMPOSITION

- FDA – USP Class 6
- 1935/2004 - ACS – KTW
- NBR
- EPDM
- FPM
- Virgin PTFE
- Silicone
- Other materials on request

**D-RING**

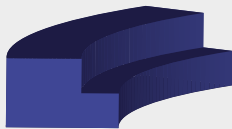
D-ring profile is used in the aseptic fitting according to DIN 11851. Widely used in food industry and in dairy sector.

**RIMMED D-RING**

Same description as D-Ring with a better sanitary performance because the D-ring type has a lip on the inside, covering the inside of the space in between the two metal parts.

**SMS/R**

SMS/R is an aseptic seal used in fittings in compliance with SMS 1149. It is mainly used in the food and pharmaceutical industries.

**SMS/L**

Same description as type SMS/R with a better sanitary design because the L-type has a lip on the inside, securing a smooth transition from pipe to pipe without a crevice.

**CLAMP TYPE "A"**

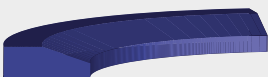
CLAMP seals are designed for large and very large shaft diameters. The elastomer core ensures good elasticity of the seal as well as good sealing duration. They are widely used in the food processing or pharmaceutical industries.

**CLAMP TYPE "B"**

Same description as type A but does not contain external lip.

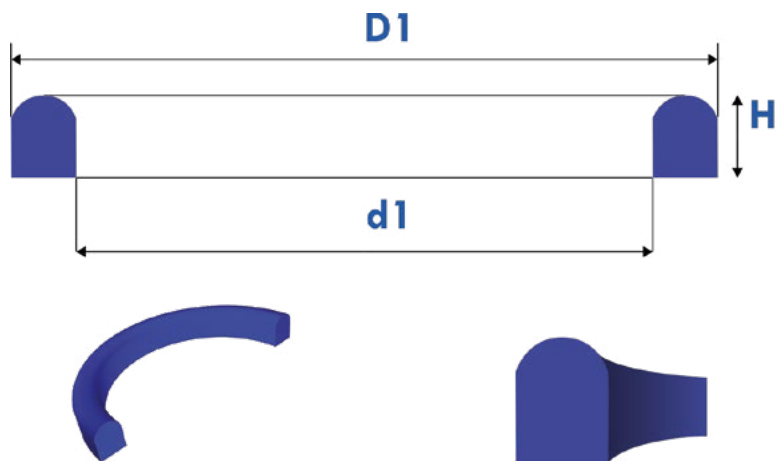
**CLAMP TYPE "μ"****MICRO CLAMP**

CLAMP Type "μ" is a mini CLAMP seal according to ASME/BPE and DIN 32676 (Series C).

**SJR****FITTING SEALS**

SJR seals are used in male threaded connections in hydraulic applications. Its design allows quick and easy mounting.

D-RING SEALS



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

SILICONE

*Other materials on request



DIMENSIONS / ACCORDING TO TUBE DIN 11851

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
10	12	20	4,5
15	18	26	4,5
20	23	33	4,5
25	30	40	5
32	36	46	5
40	42	52	5
50	54	64	5
50H	54	64	8
65	71	81	5
65H	71	81	8
80	85	95	5
80H	85	95	8
100	104	114	6
100H	104	114	6
125	130	142	7
150	155	167	7
150H	155	167	8

DIMENSIONS / ACCORDING TO BOSD

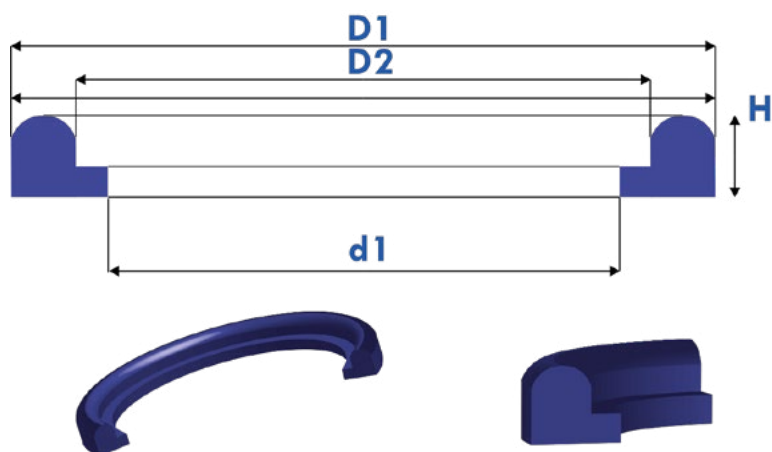
Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
1"	25	35	5,5
1,5"	38	48	5,5
2"	51	61	5,5
2,5"	63	73,5	5,5
3"	76	86	5,5
4"	104	116	5,5

DIMENSIONS / ACCORDING TO SMS 1145

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
25	25	32	5,5
32	32	40	5,5
38	38	48	5,5
40	40	50	5,5
51	51	61	5,5
63	63	73,5	5,5
76	76	86	5,5



RIMMED D-RING SEALS



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

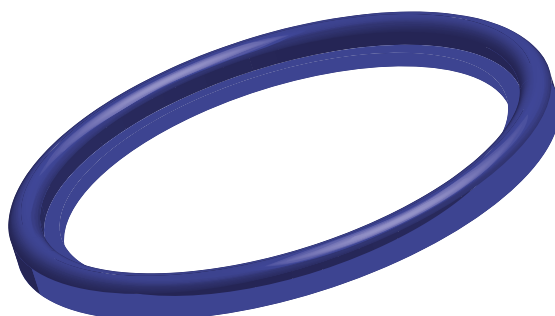
SILICONE

*Other materials on request

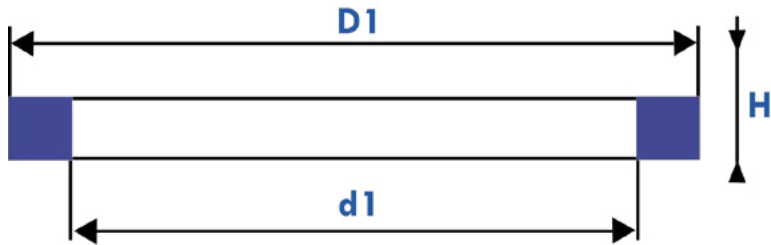


DIMENSIONS / ACCORDING TO TUBE DIN 11851

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Shoulder diameter "D2"	Seal height "H"
10	10	20	10,5	5
15	18	26	16,5	5
20	23	33	20,5	5
25	30	40	26,5	5
25H	30	40	26,5	6
32	36	46	32,5	6
40	42	52	38,8	6
50	54	64	50,5	6
65	71	81	66,5	6
80	85	95	81,5	6
100	104	114	100,5	6
125	130	142	125	7
150	155	167	150	7



SMS/R SEALS



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

SILICONE

*Other materials on request

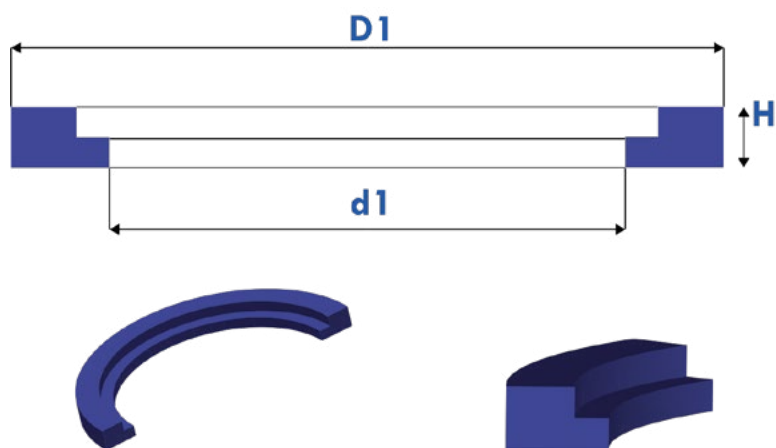


DIMENSIONS

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
25	25	32	5,5
32	32	40	5,5
38	38	48	5,5
40	40	50	5,5
51	51	61	5,5
63	63,5	73,5	5,5
76	76	86	5,5
89	89	101	5,5
108	108	120	5,5



SMS/L SEALS



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

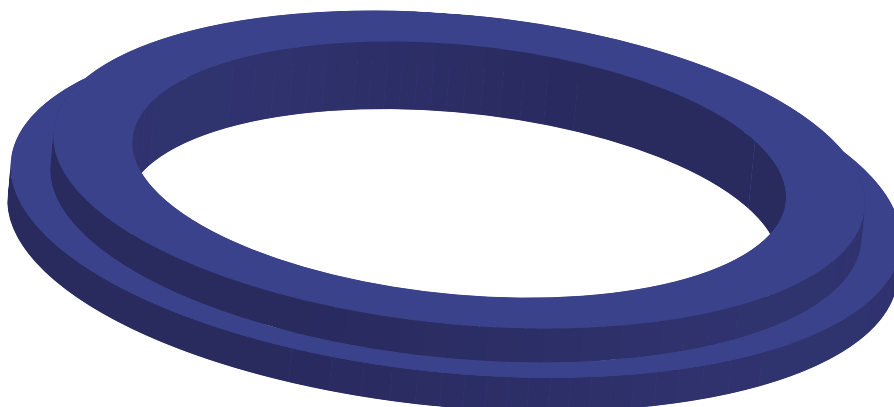
SILICONE

*Other materials on request

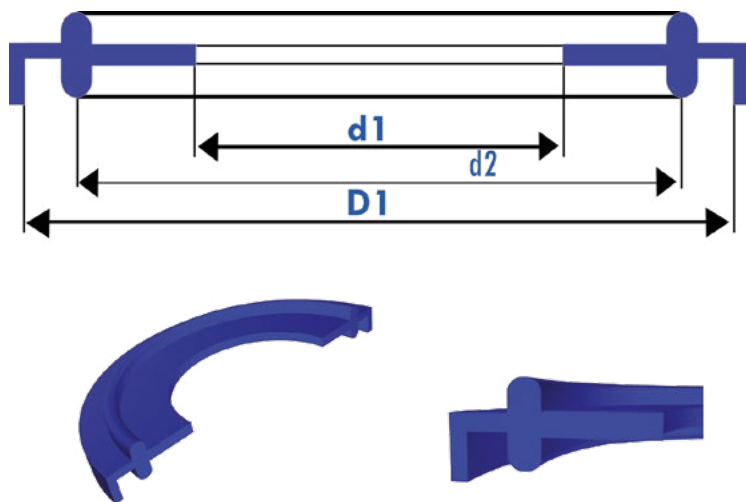


DIMENSIONS

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
25	22,6	31,6	5,4
32	29,8	38,8	5,4
38	35,5	47,5	5,6
51	48,6	60,6	5,6
63	60,6	73	5,6
76	73,1	85,5	5,6
104	99,8	115	5,6



CLAMP SEALS TYPE "A" WITH AN EXTERNAL LIP



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

SILICONE

*Other materials on request



DIMENSIONS / ACCORDING TO ISO 2852

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
12	10,2	34	-
12,7	10,9	34	-
17,2	15,4	34	-
21,3	19,5	34	-
25	22,8	50,5	-
33,7	31,5	50,5	-
38	35,8	50,5	-
40	37,8	64	-
51	48,8	64	-
63,5	60,5	77,5	-
70	67	91	-
76,1	73,1	91	-
88,9	85,1	106	-
101,6	97,8	119	-
114,3	110,5	130	-
139,7	135,9	155	-
168,3	163,3	183	-
219,1	214,1	233,5	-



DIMENSIONS / ACCORDING TO DIN 32676 METRIC SIZE

Nominal diameter "DN"	Inner diameter "d1"	Inner diameter of the lip "D1"	Seal height "H"
10	10,2	34	-
15	16,2	34	-
20	20,2	34	-
25	26,2	50,5	-
32	32,2	50,5	-
40	38,2	50,5	-
50	50,2	64	-
65	66,2	91	-
80	81,2	106	-
100	100,2	119	-
125	125,2	155	-
150	150,2	183	-
200	200,2	233,5	-

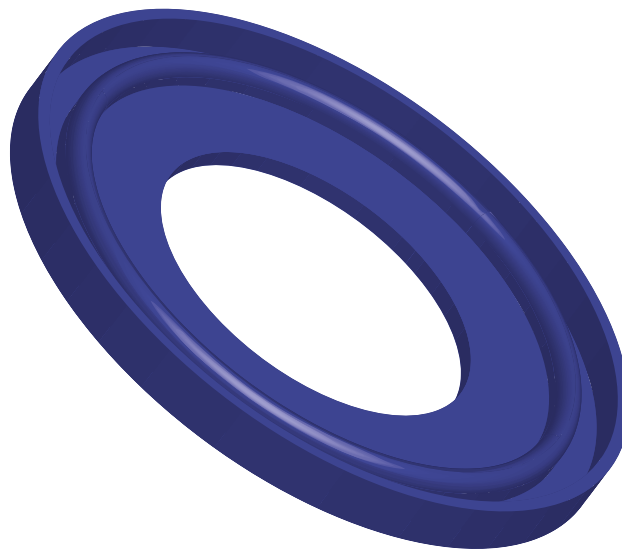


DIMENSIONS / ACCORDING TO DIN 32676 METRIC SIZE

Nominal diameter "DN"	Inner diameter "d1"	Inner diameter of the lip "D1"	Seal height "H"
21,3	18,3	50,5	-
26,9	23,9	50,5	-
33,7	29,9	50,5	-
42,4	38,6	64	-
48,3	44,5	64	-
60,3	56,5	77,5	-
76,1	72,3	91	-
88,9	84,5	106	-
114,3	109,9	130	-
139,7	134,7	155	-
168,3	163,3	183	-
219,1	214,1	233,5	-

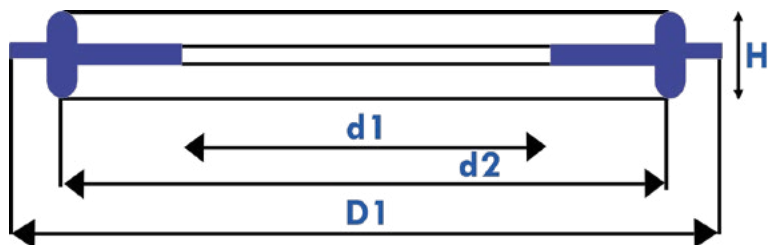
 DIMENSIONS / ACCORDING TO DIN 32676 IMPERIAL SIZE

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
1"	22,3	50,5	-
1 1/2"	35	50,5	-
2"	47,7	64	-
2 1/2"	60,4	77,5	-
3"	73,1	91	-
4"	97,6	119	-
6"	147,1	167	-

**TRI CLAMP UNION**

CLAMP SEALS TYPE "B"

WITHOUT AN EXTERNAL LIP



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

SILICONE

*Other materials on request



DIMENSIONS / ACCORDING TO ISO 2852

	Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
MINI CLAMP	12	10,2	34	-
	12,7	10,9	34	-
	17,2	15,4	34	-
	21,3	19,5	34	-
CLAMP	25	22,8	50,5	-
	33,7	31,5	50,5	-
	38	35,8	50,5	-
	40	37,8	64	-
	51	48,8	64	-
	63,5	60,5	77,5	-
	70	67	91	-
	76,1	73,1	91	-
	88,9	85,1	106	-
	101,6	97,8	119	-
	114,3	110,5	130	-
	139,7	135,9	155	-
	168,3	163,3	183	-
	219,1	214,1	233,5	-

DIMENSIONS / ACCORDING TO DIN 32676 METRIC SIZE

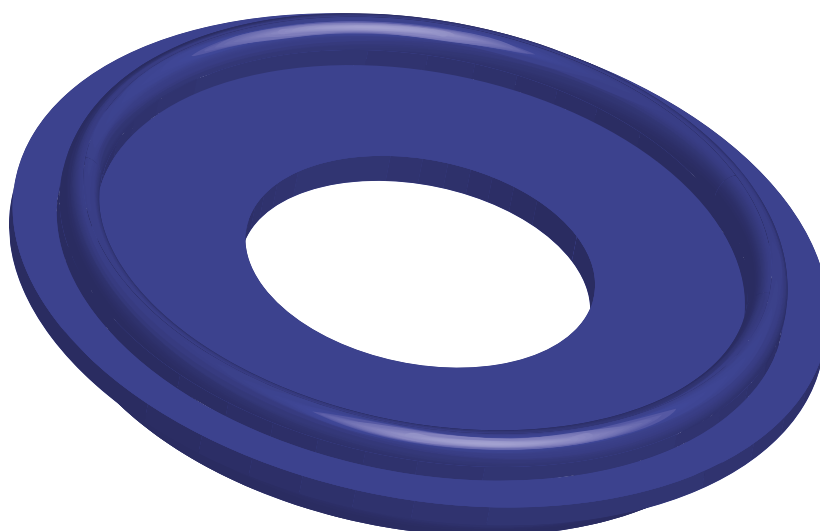
Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
6	6,2	25	-
8	8,2	25	-

DIMENSIONS / ACCORDING TO DIN 32676 METRIC SIZE

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
10,2	7,2	25	-
13,5	10,5	25	-
17,5	14,5	25	-

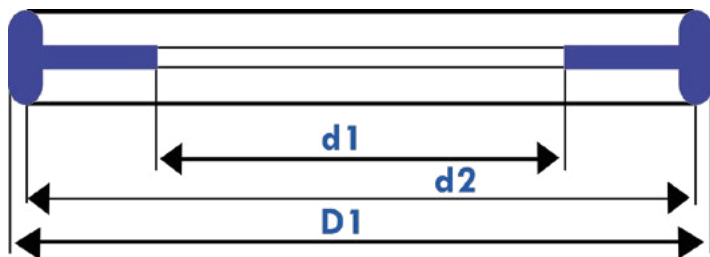
DIMENSIONS / ACCORDING TO DIN 32676 IMPERIAL SIZE

Nominal diameter "DN"	Inner diameter "d1"	Outer diameter "D1"	Seal height "H"
1/4"	4,8	25	-
3/8"	8	25	-
1/2"	9,6	25	-
3/4"	16	25	-



CLAMP SEALS TYPE “μ”

MICRO CLAMP



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

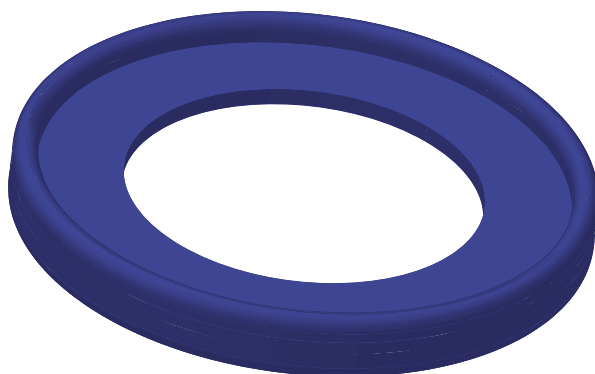
SILICONE

*Other materials on request

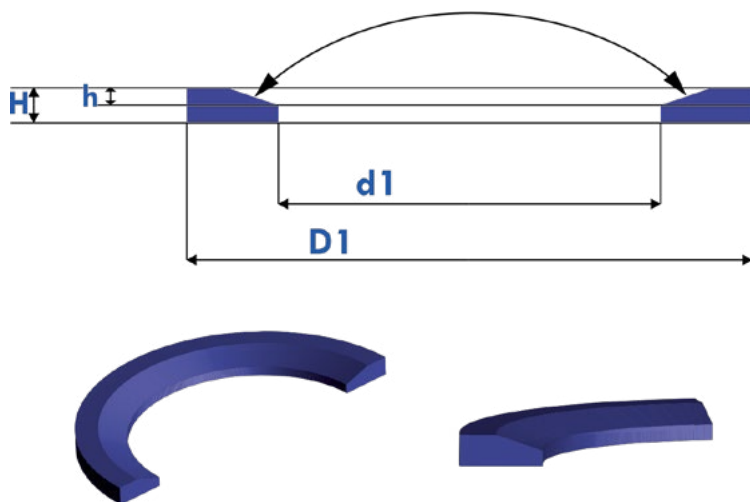


DIMENSIONS / ACCORDING TO DIN 32676

Nominal diameter “DN”	Inner diameter “d1”	Inner diameter “d2”	Seal height “D1”
6	6	20	21,5
7	7	20	21,5
3/8	7,75	20	21,5
8	8	20	21,5
1/2	9,5	20	21,5
10	10	20	21,5
10,3	10,3	20	21,5
10,6	10,6	20	21,5
12	12	20	21,5
14	14	20	21,5
3/4	15,75	20	21,5
16	16	20	21,5



SJR SEALS



MATERIALS

FDA - USP Classe 6

1935/2004 - ACS – KTW

NBR

EPDM

FPM

VIRGIN PTFE

SILICONE

*Other materials on request

DIMENSIONS / ACCORDING TO ISO 2852

Nominal diameter “DN“	Metric measure	No gas	Inner diameter “d1“	Inner diameter of the lip D1“	Seal height “H“	Seal height “h“
8	M8X1,0	-	6,5	9,9	1	0,5
10	M10X1,0	G 1/8	8,4	11,9	1	0,5
12	M12X1,5	-	9,8	14,4	1,5	0,8
14	M14X1,5	G1/4	11,6	16,5	1,5	0,8
16	M16X1,5	-	13,8	18,9	1,5	0,8
17	-	G3/8	14,7	18,9	1,5	0,8
18	M18X1,5	-	15,7	20,9	1,5	0,8
20	M20X1,5	-	17,8	22,9	1,5	0,8
21	-	G1/2	18,5	23,9	1,5	0,8
22	M22X1,5	-	19,6	24,3	1,5	0,8
27	M27X2,0	G3/4	23,9	29,2	1,5	0,8
33	M33X2,0	G1	29,7	35,7	2	1
42	M42X2,0	G1 1/4	38,8	45,8	2	1
48	M48X2,0	G1 1/2	44,7	50,7	2	1

Material	Hardness	Temperature
NBR	85SH	-30 °C +110°C
FPM	80SH	-10°C +200°C
EPDM	70 SH	-30°C +140°C

Can't find what you're looking for?

CONTACT US!

**SEAL FRANCE IS SPECIALIZED
IN CUSTOM-MADE SEALING SOLUTIONS!**

SEAL FRANCE

Espace Polygone, 67 rue Ettore BUGATTI
66000 PERPIGNAN
FRANCE

 +33 (0)4 68 52 91 91

 +33 (0)4 68 52 91 90

 contact@sealfrance.fr



 @seal-france

seal-france.fr



SEALFRANCE
SEALING SOLUTIONS

GROUPE *efire*