

AUTOMOTIVE | AEROSPACE | FOOD & BEVERAGE | FLUID TECHNOLOGIES | MOBILE MACHINERY

# FRANCEJOINT

SEALING SYSTEMS



**SANITARY**  
SEALS





# FRANCEJOINT

SEALING SYSTEMS

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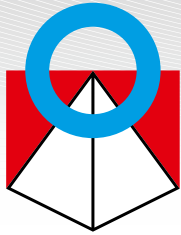
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Other seal profiles can be used in food hygiene applications.  
Please refer to the catalogue: "Hydraulic seals"



**Site n°1:** Compression Molding – Injection Molding  
– Water Jet Cutting – Finition – Quality Control –  
Logistics

**Site N°2:** Administrative Area – Research &  
Development – Machining – Tooling



**FRANCEJOINT**  
SEALING SYSTEMS

Since 1981, FRANCE JOINT – SEALING SYSTEMS has been designing, manufacturing and distributing seals and precision rubber parts for its customers for whom quality is a determining factor.

**Faced with tough competition among the big decision-makers of the industrial world, FRANCE JOINT has responded with innovation, research and development, experience in Best-Cost manufacturing, and a consistently high level of quality, thanks to certificates ISO 9001, IATF 16949, EN/AS 9100 and ISO 14001.**

Today, FRANCE JOINT is working in close collaboration with its customers, meeting challenges head on with success. Automotive, Aeronautics, Mobile hydraulics, Beverages & Foods, Fluid engineering industries... every solution emerges from a uniquely individual partnership, constantly fostered and renewed.

Our prime objective, based on unrivalled quality, is to find the most suitable solutions for ensuring that

you will stand out in what has become an extremely competitive domain. Our position of excellence has led us since the birth of our company to acquire the tools necessary to anticipate and prevent risks and maximize our service; the ultimate objective being of course to help you keep ahead of developments in this more and more technological market.



AUTOMOTIVE



AERONAUTICS



BEVERAGES & FOODS



FLUID ENGINEERING



MOBILE HYDRAULICS



Compression molding



Injection molding



Machining / Tooling



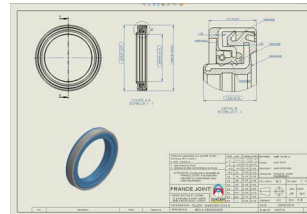
Logistics / Packaging

## RESEARCH & DEVELOPMENT

Innovation, reliability, safety, minimization of risk: your expectations are our daily concern. To get from the idea to the finished product demands firm managerial control over a wide range of projects in addition to expertise in manufacturing.

FRANCE JOINT's contributors, who are as much inventors as technicians, get the best of fully automated, state-of-the-art technology that takes them from drawing-board to prototype and finally to assembly line. From writing specifications to putting on a major technical event through designing (3D Solidwrks software) and testing for validation and compliance, FRANCE JOINT engineering works hand in hand with you to find the best solutions guaranteeing the level of expected performance.

More than 1000 compounds integrating elastomers, PTFE materials, Polyurethane, or even thermoplastics, as many solutions vis-a-vis the new most complex requirements which will put you in pole position today so that we can all be winners tomorrow. FRANCE JOINT puts in place qualifications in order to examine the behavior of its seals according to various parameters intervening on frictions, pressures, temperatures, speeds, strokes, leakages...

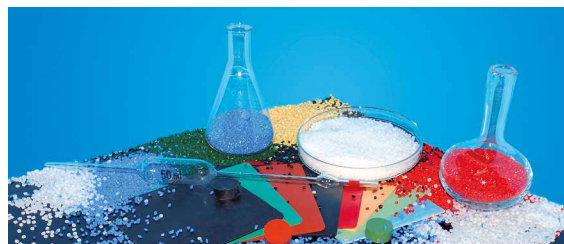


## QUALITY IN OUR CONCERNS

Several certificates obtained, ISO 9001, IATF 16949, EN/AS 9100 and ISO 14001, testify to the quality department's commitment to constant progress at every level of the company, at all stages of the realization, particularly where continual improvement is what has made FRANCE JOINT the name it is today.

Ambitious with customer satisfaction a priority, FRANCE JOINT has thus obtained the most powerful methods (PPAP, AMDEC, value analysis, Audits, MRP, 8D analysis, SPC, R&R ...) in order to optimize simultaneously the capacity of machines and processes, operational manpower performances, organizational methods, and finally, product and financial results.

FRANCE JOINT guarantees the best technology and pursues its daily objectives of a "Zero defects" production, through physico chemical controls (rheometer, spectrometer, durometer...), through dimensional and final aspects (unit controlling equipment, 3D camera ...). This is because the search for competitiveness is as important as the search for continuous improvement.



3D test device





Human health is the major focal point for many organisations that are involved in the quality control of products used by the food industry.

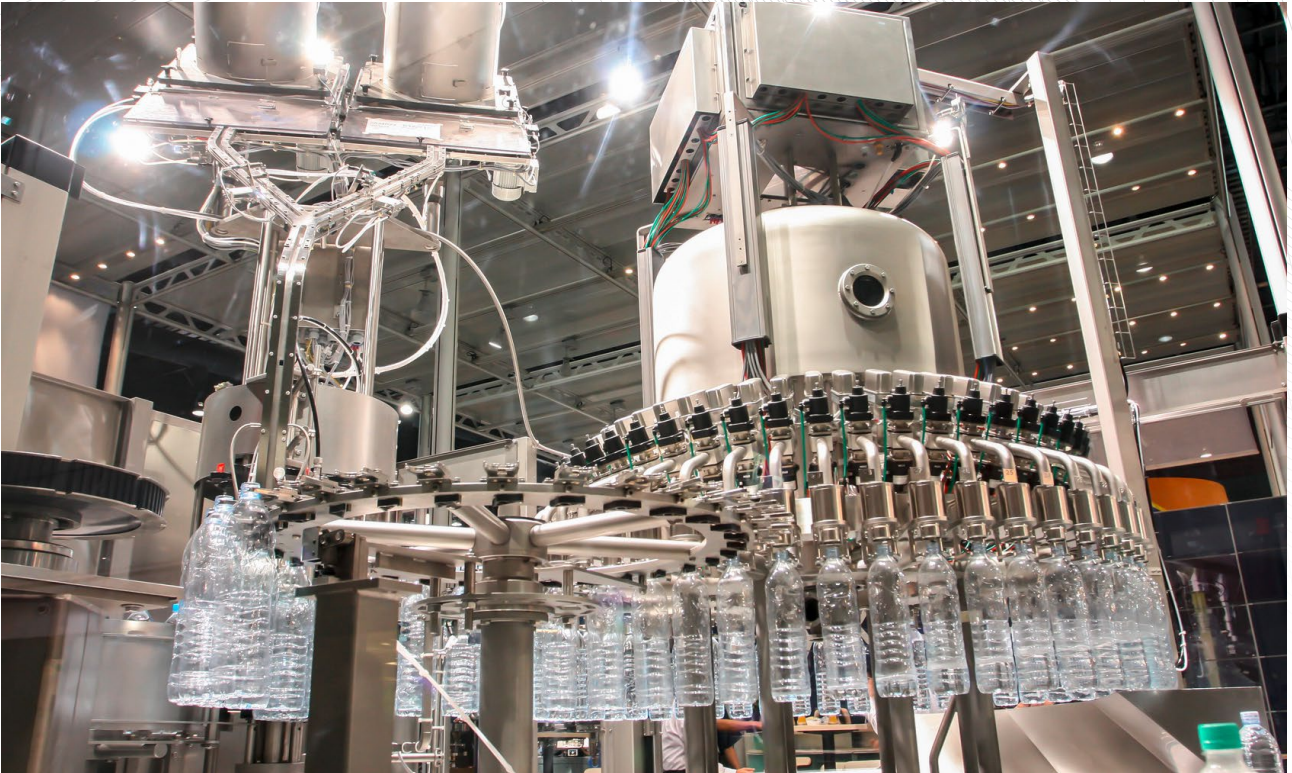
Materials that do not comply with food industry specifications can lead to the alteration of organoleptic properties, degradation of the microbiological quality and even the appearance of undesirable toxic elements in waters or foodstuffs intended for human consumption.

FRANCE JOINT stands apart for its continued efforts in the search for suitable qualitative and technical solutions, always limiting the effects of these materials on the quality of water and food products, for complete customer satisfaction.

## COMPLIANCE WITH NATIONAL AND INTERNATIONAL STANDARDS

FRANCE JOINT ensures comprehensive quality and complies with international standards:





### ACS (Accréditation de Conformité Sanitaire)

Hygiene standard used for rubbers and plastics that are in contact with drinking water in systems. The applicable criteria are defined in French standard AFNOR XP P41-250, Parts 1 to 3.

### FDA (Food and Drug Administration)

Government agency under the guardianship of the U.S. Department of Health and Human Services, responsible for the application of federal law governing foodstuffs, cosmetics and medications to ensure consumer safety. Rubber seals must comply with the regulations in paragraph 21 CFR 177.2600, FFKM seals with 21 CFR 177.2440, polyurethane seals with 21 CFR 177.1680, PTFE and PFA seals with 21 cfr 177.1550 and olefin-bases with 21 CFR 177.1680.

### KTW (Kunststoffe und Trinkwasser)

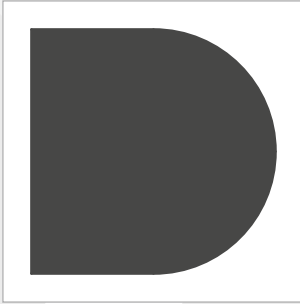
Certificate managed by an independent body for the gas and water industry in Germany and in Europe, known as the DVGW (Deutsche Vereinigung des Gas und Wasserfaches - German association for gas and water). This certificate is issued for polymers that are compatible with cold, hot and very hot water.

### WRAS (Water Regulations Advisory Scheme)

Certificate applied to the British water industry and issued by accredited laboratories. Non-metal products that are exposed to drinking water must meet standard BS6920:2000.

### NSF

Internationally renowned non-profit organisation that issues certifications for the health and safety sectors. It is a guarantee for consumers that products can be used in complete safety in foodstuff processing and storage environments. The seals must comply with standard NSF/ANSI 51 to be used in agribusiness equipment, and must also comply with standard NSF/ANSI 61 for drinking water environments.



## SANITARY SEALS

# BECA 030



### DESCRIPTION

The BECA 030 profile is a DIN seal used for sterile fittings, in line with standard DIN 11851.

### MATERIALS

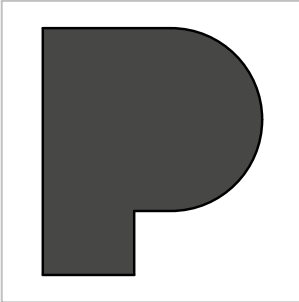
CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	Nominal diameter ØDN	Inside diameter Ød1	Outside diameter ØD1	Seal height H1
030.01200	10	12.00	20.00	4.50
030.01800	15	18.00	26.00	4.50
030.02300	20	23.00	33.00	4.50
030.03000	25	30.00	40.00	5.00
030.03600	32	36.00	46.00	5.00
030.04200	40	42.00	52.00	5.00
030.05400	50	54.00	64.00	5.00
030.07100	65	71.00	81.00	5.00
030.08500	80	85.00	95.00	5.00
030.10400	100	104.00	114.00	6.00
030.13000	125	130.00	142.00	7.00
030.15500	150	155.00	167.00	7.00





## SANITARY SEALS

# BECA 031

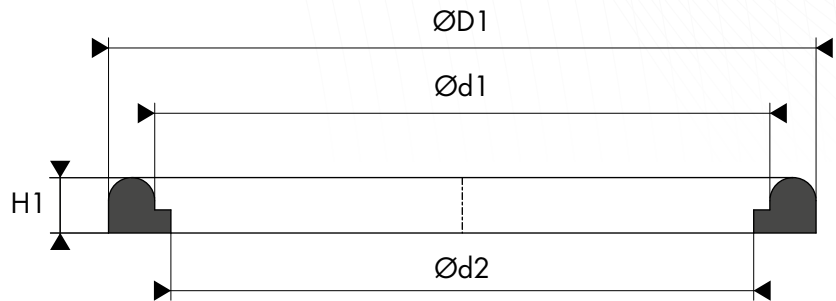


### DESCRIPTION

The BECA 031 profile is a DIN-L seal used for sterile fittings, in line with standard DIN 11851.

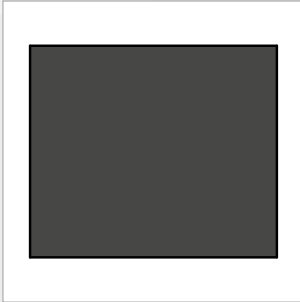
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	Nominal diameter $\text{ØDN}$	Inside diameter $\text{Ød1}$	Outside diameter $\text{ØD1}$	Inside diameter $\text{Ød2}$	Seal height $H1$
031.01200	10	12.00	20.00	10.50	5.00
031.01800	15	18.00	26.00	16.50	5.00
031.02300	20	23.00	33.00	20.50	5.00
031.03000	25	30.00	40.00	26.50	5.00
031.03600	32	36.00	46.00	32.50	6.00
031.04200	40	42.00	52.00	38.80	6.00
031.05400	50	54.00	64.00	50.50	6.00
031.07100	65	71.00	81.00	66.50	6.00
031.08500	80	85.00	95.00	81.50	6.00
031.10400	100	104.00	114.00	100.50	6.00
031.13000	125	130.00	142.00	125.00	7.00
031.15500	150	155.00	167.00	150.00	7.00



## SANITARY SEALS

# BECA 032

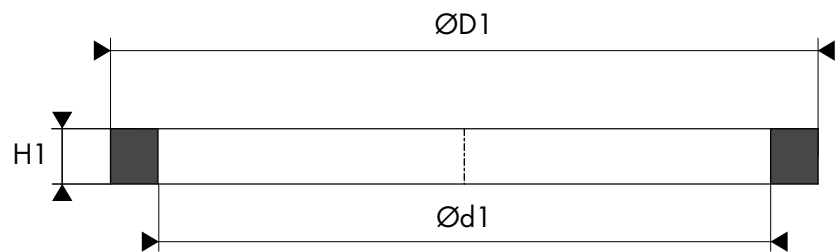


### DESCRIPTION

The BECA 032 profile is a SMS seal used for fittings, in line with standard DIN 1149.

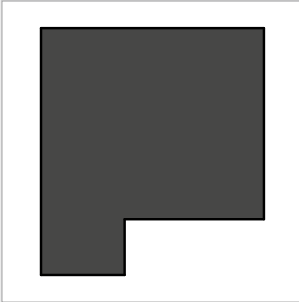
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	Nominal diameter ØDN	Inside diameter Ød1	Outside diameter ØD1	Seal height H1
032.02500	25	25.00	32.00	5.40
032.03200	32	32.00	40.00	5.60
032.03800	38	38.00	48.00	5.60
032.05100	51	51.00	61.00	5.60
032.06350	64	63.50	73.50	5.60
032.07600	76	76.00	86.00	5.60
032.08900	89	89.00	101.00	5.60
032.10800	108	108.00	120.00	5.60



## SANITARY SEALS BECA 033

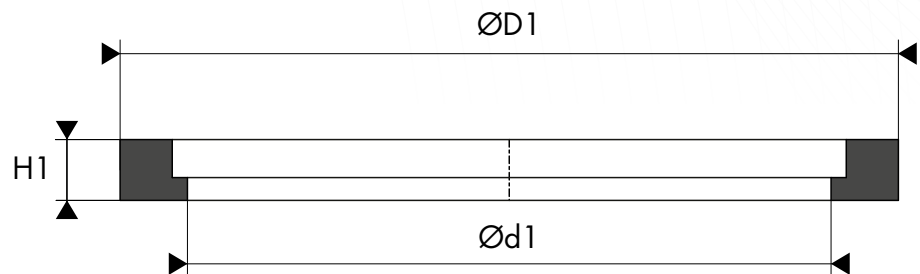


### DESCRIPTION

The BECA 033 profile is a SMS seal used for fittings, in line with standard DIN 1149.

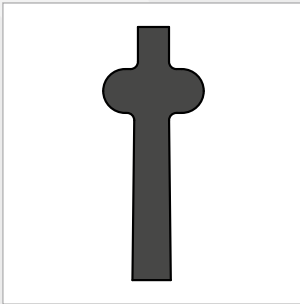
### MATERIALS

CR  
Peroxyde EPDM  
FKM  
NBR  
Virgin PTFE  
VMQ



### DIMENSIONS

Part number	Nominal diameter ØDN	Inside diameter Ød1	Outside diameter ØD1	Seal height H1
033.02500	25	22.60	31.60	5.40
033.03800	38	35.50	47.50	5.60
033.05100	51	48.60	60.60	5.60
033.06300	63	60.60	73.00	5.60
033.07600	76	73.10	85.50	5.60
033.10800	104	99.80	115.00	5.60



## SANITARY SEALS

# BECA 034

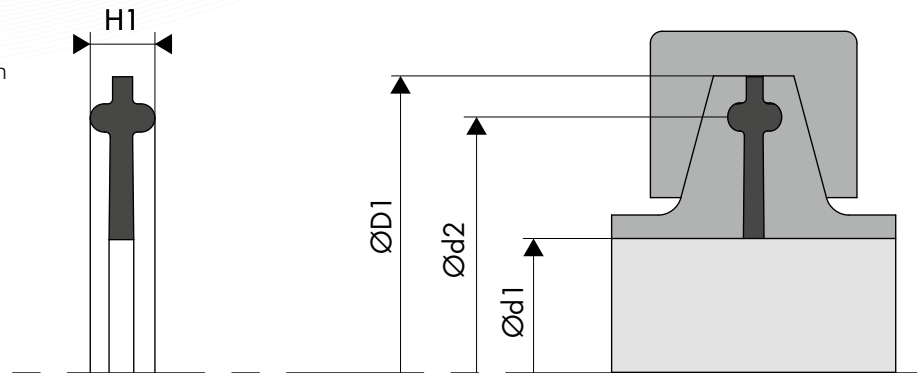


### DESCRIPTION

The BECA 034 profile is a CLAMP seal without an external lip, in line with standards ISO 2852 and DIN 32676.

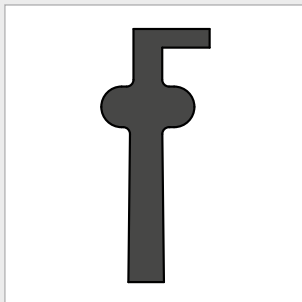
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	ISO 2852	DIN 32676	Nominal diameter ØDN (mm)	Nominal diameter ØDN (Inch)	Inside diameter Ød1	Inside diameter Ød2	Outside diameter ØD1	Seal height H1
034.01200	x	-	12.00	-	10.20	27.50	34.00	5.50
034.01270	x	-	12.70	-	10.90	27.50	34.00	5.50
034.01720	x	-	17.20	-	15.40	27.50	34.00	5.50
034.02130	x	-	21.30	-	19.50	27.50	34.00	5.50
034.02500	x	-	25.00	1"	22.80	43.50	50.50	5.50
034.03370	x	-	33.70	-	31.50	43.50	50.50	5.50
034.03800	x	-	38.00	1 1/2"	35.80	43.50	50.50	5.50
034.04000	x	-	40.00	-	37.80	56.50	64.00	5.50
034.05100	x	-	51.00	2"	48.80	56.50	64.00	5.50
034.06350	x	-	63.50	2 1/2"	60.50	70.50	77.50	5.50
034.07000	x	-	70.00	-	67.00	83.50	91.00	5.50
034.07610	x	-	76.10	3"	73.10	83.50	91.00	5.50
034.08890	x	-	88.90	-	85.10	97.00	106.00	5.50
034.10160	x	-	101.60	4"	97.80	110.00	119.00	5.50
034.11430	x	-	114.30	-	110.50	122.00	130.00	5.50
034.13970	x	-	139.70	-	135.90	146.00	155.00	5.50
034.16830	x	-	168.30	-	163.30	174.00	183.00	5.50
034.21910	x	-	219.10	-	214.10	225.00	233.50	5.50
034.01020	-	x	10.00	-	10.20	27.50	34.00	5.50
034.01620	-	x	15.00	-	16.20	27.50	34.00	5.50
034.02020	-	x	20.00	-	20.20	27.50	34.00	5.50
034.02620	-	x	25.00	-	26.20	43.50	50.50	5.50
034.03220	-	x	32.00	-	32.20	43.50	50.50	5.50
034.03820	-	x	40.00	-	38.20	43.50	50.50	5.50
034.05020	-	x	50.00	-	50.20	56.50	64.00	5.50
034.06620	-	x	65.00	-	66.20	83.50	91.00	5.50
034.08120	-	x	80.00	-	81.20	97.00	106.00	5.50
034.10020	-	x	100.00	-	100.20	110.00	119.00	5.50
034.11520	-	x	115.00	-	115.20	121.00	130.00	5.50
034.12520	-	x	125.00	-	125.20	146.00	155.00	5.50
034.15020	-	x	150.00	-	150.20	174.00	183.00	5.50
034.20020	-	x	200.00	-	200.20	225.00	233.50	5.50



## SANITARY SEALS

# BECA 035

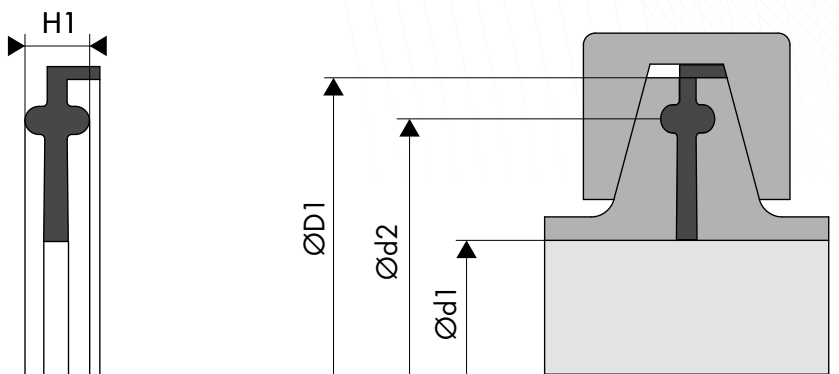


### DESCRIPTION

The BECA 035 profile is a CLAMP seal with an external lip, in line with standards ISO 2852 and DIN 32676.

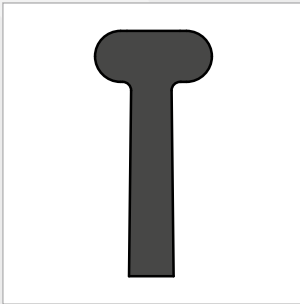
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	ISO 2852	DIN 32676	Nominal diameter ØDN (mm)	Nominal diameter ØDN (Inch)	Inside diameter Ød1	Inside diameter Ød2	Outside diameter ØD1	Seal height H1
035.01200	x	-	12.00	-	10.20	27.50	34.00	5.50
035.01270	x	-	12.70	-	10.90	27.50	34.00	5.50
035.01720	x	-	17.20	-	15.40	27.50	34.00	5.50
035.02130	x	-	21.30	-	19.50	27.50	34.00	5.50
035.02500	x	-	25.00	1"	22.80	43.50	50.50	5.50
035.03370	x	-	33.70	-	31.50	43.50	50.50	5.50
035.03800	x	-	38.00	1 1/2"	35.80	43.50	50.50	5.50
035.04000	x	-	40.00	-	37.80	56.50	64.00	5.50
035.05100	x	-	51.00	2"	48.80	56.50	64.00	5.50
035.06350	x	-	63.50	2 1/2"	60.50	70.50	77.50	5.50
035.07000	x	-	70.00	-	67.00	83.50	91.00	5.50
035.07610	x	-	76.10	3"	73.10	83.50	91.00	5.50
035.08890	x	-	88.90	-	85.10	97.00	106.00	5.50
035.10160	x	-	101.60	4"	97.80	110.00	119.00	5.50
035.11430	x	-	114.30	-	110.50	122.00	130.00	5.50
035.13970	x	-	139.70	-	135.90	146.00	155.00	5.50
035.16830	x	-	168.30	-	163.30	174.00	183.00	5.50
035.21910	x	-	219.10	-	214.10	225.00	233.50	5.50
035.01020	-	x	10.00	-	10.20	27.50	34.00	5.50
035.01620	-	x	15.00	-	16.20	27.50	34.00	5.50
035.02020	-	x	20.00	-	20.20	27.50	34.00	5.50
035.02620	-	x	25.00	-	26.20	43.50	50.50	5.50
035.03220	-	x	32.00	-	32.20	43.50	50.50	5.50
035.03820	-	x	40.00	-	38.20	43.50	50.50	5.50
035.05020	-	x	50.00	-	50.20	56.50	64.00	5.50
035.06620	-	x	65.00	-	66.20	83.50	91.00	5.50
035.08120	-	x	80.00	-	81.20	97.00	106.00	5.50
035.10020	-	x	100.00	-	100.20	110.00	119.00	5.50
035.11520	-	x	115.00	-	115.20	121.00	130.00	5.50
035.12520	-	x	125.00	-	125.20	146.00	155.00	5.50
035.15020	-	x	150.00	-	150.20	174.00	183.00	5.50
035.20020	-	x	200.00	-	200.20	225.00	233.50	5.50



## SANITARY SEALS

# BECA 036

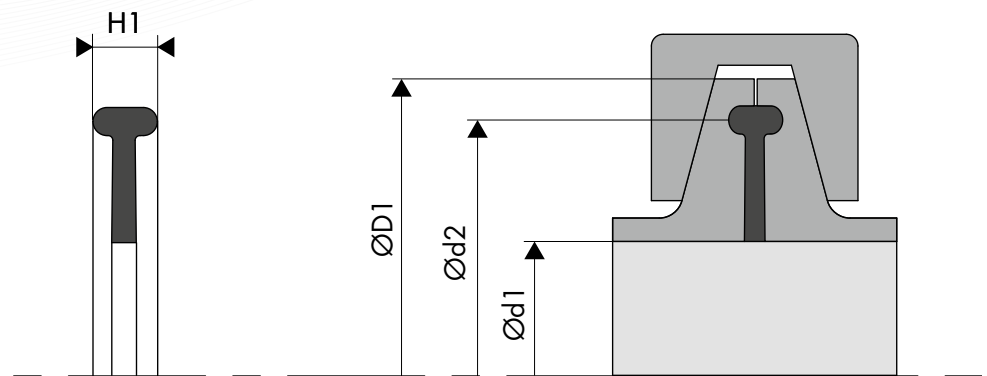


### DESCRIPTION

The BECA 036 profile is a mini CLAMP seal, in line with the standard ASME/BPE and DIN 32676 (Series C).

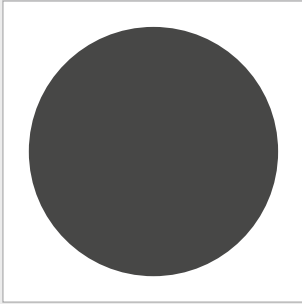
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



### DIMENSIONS

Part number	DIN 32676	Nominal diameter ØDN (Inch)	Inside diameter Ød1	Inside diameter Ød2	Outside diameter ØD1	Seal height H1
036.00475	x	1/4"	4.75	20.20	22.00	4.50
036.00800	x	3/8"	8.00	20.20	22.00	4.50
036.01130	x	1/2"	11.30	20.20	22.00	4.50
036.01620	x	3/4"	16.20	20.20	22.00	4.50



## SANITARY SEALS

# BECA 010 SA

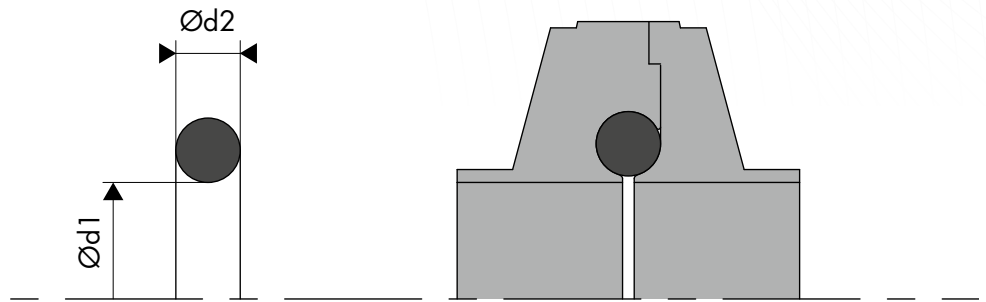


### DESCRIPTION

The BECA 010 SA profile is an O'Ring used for sterile fittings, in line with standard DIN 11866, Series A

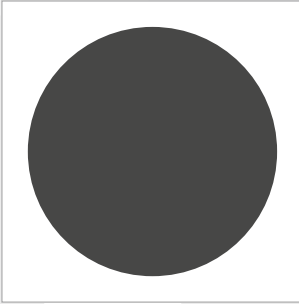
### MATERIALS

CR  
 Peroxyde EPDM  
 FKM  
 NBR  
 Virgin PTFE  
 VMQ



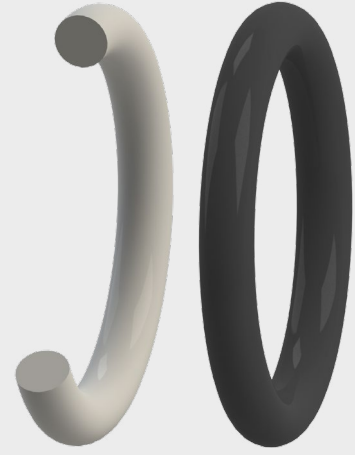
### DIMENSIONS

Part number	Nominal diameter ØDN (mm)	Inside diameter Ød1	Tolerance on Ød1	O'ring cross-section Ød2	Tolerance on Ød2
010.SA010	10	12.00	+/-0.21	3.50	+/-0.10
010.SA015	15	18.00	+/-0.25	3.50	+/-0.10
010.SA020	20	22.00	+/-0.28	3.50	+/-0.10
010.SA025	25	28.00	+/-0.32	3.50	+/-0.10
010.SA032	32	34.00	+/-0.37	5.00	+/-0.13
010.SA040	40	40.00	+/-0.41	5.00	+/-0.13
010.SA050	50	52.00	+/-0.49	5.00	+/-0.13
010.SA065	65	68.00	+/-0.61	5.00	+/-0.13
010.SA080	80	83.00	+/-0.71	5.00	+/-0.13
010.SA100	100	102.00	+/-0.84	5.00	+/-0.13
010.SA125	125	127.00	+/-1.01	5.00	+/-0.13
010.SA150	150	152.00	+/-1.17	5.00	+/-0.13



## SANITARY SEALS

# BECA 010 SC

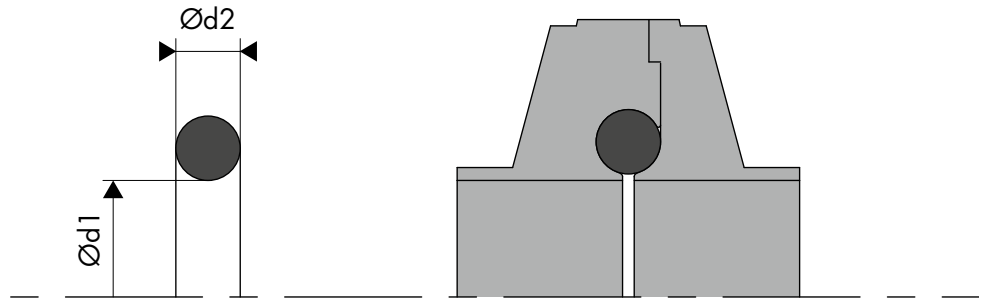


### DESCRIPTION

The BECA 010 SC profile is an O'Ring used for sterile fittings, in line with standard DIN 11866, Series C

### MATERIALS

CR  
Peroxyde EPDM  
FKM  
NBR  
Virgin PTFE  
VMQ



### DIMENSIONS

Part number	Nominal diameter ØDN (Inch)	Inside diameter Ød1	Tolerance on Ød1	O'Ring cross-section Ød2	Tolerance on Ød2
010.SC012	1/2"	12.00	+/-0.21	3.50	+/-0.10
010.SC018	3/4"	18.00	+/-0.25	3.50	+/-0.10
010.SC024	1"	24.00	+/-0.29	3.50	+/-0.10
010.SC037	1 1/2"	37.00	+/-0.39	5.00	+/-0.13
010.SC050	2"	50.00	+/-0.48	5.00	+/-0.13
010.SC062	2 1/2"	62.00	+/-0.56	5.00	+/-0.13
010.SC075	3"	75.00	+/-0.66	5.00	+/-0.13
010.SC100	4"	100.00	+/-0.83	5.00	+/-0.13



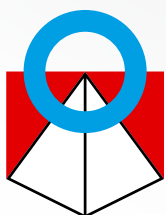


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