



# Sealing Solutions: Dynaflon®

Unique Dynaflon® seals have been a speciality of Vanéflon for more than 25 years. These PTFE- encapsulated Viton seals offer an effective alternative to FEP, PFA-encapsulated and FFKM seals. Dynaflon® offers superior tensile strength, elongation and folding endurance as well as a low friction coefficient and high maximal temperature capabilities.

The material combines the **chemical resistance of PTFE** with the **sealing performance of Viton**. Vanéflon – High Performance Plastics. High Performance Solutions..



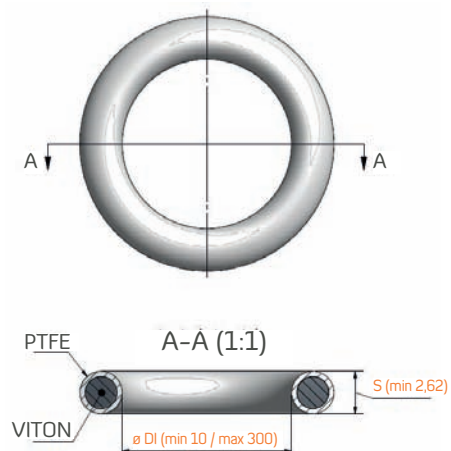
- PTFE encapsulated viton seal
- Excellent chemical resistance
- High temperature resistance and compressibility
- Available in standard DIN and ANSI dimensions
- Homogeneous surface
- Low permeability
- Very low friction (6x lower than FEP-PFA)
- Cost-saving

PTFE | TFM® | PFA | PCTFE | FEP | ETFE  
PEEK | PPS | PI (Vespel®) | PEI | PEKK  
PVDF | PA | POM | PP | UHMPE



## Dynaflon® O-rings (ST)

Standard Outer diameters of Ø10 to Ø300mm with cross sections of 2,62 to 14 mm. Other sizes on request.



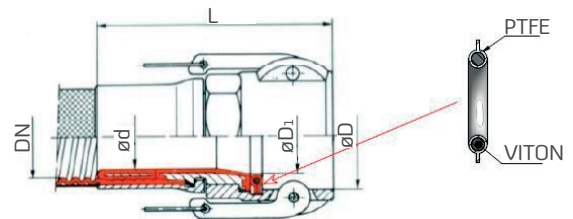
## Dynaflon® Camlocks (CL)

Available in:

DN - ASA	O.D. (mm)	I.D. (mm)	h. (mm)
15 - 1/2"	27,0	13,5	4,6
20 - 3/4"	35,5	17,5	6,0
25 - 1"	41,5	22,5	6,7
32 - 1 1/4"	48,5	29,5	6,7
40 - 1 1/2"	56,5	35,5	6,7
50 - 2"	67,5	46,5	6,7
65 - 2 1/2"	81,0	60,5	6,7
80 - 3"	94,0	72,5	6,7
100 - 4"	124,0	100,5	6,7

Camlock Type TW Available in:

DN	O.D. (mm)	I.D. (mm)	h. (mm)
50	62,0	45	6,3
80	92,0	72	7,0
100	99,0	85	7,0



## Benefit from...

our key competencies:

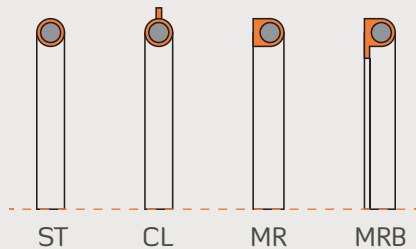
- Prototyping and customization capabilities
- Application experience are at your disposal
- Seal sizes up to Ø300mm (larger on request)
- Flexible production capabilities
- Manufacturing small and large series

our range of Dynaflon® PTFE encapsulated Sealing Solutions:

- Dynaflon® O-rings (ST)
- Dynaflon® Camlocks (CL)
- Dynaflon® DIN 11.851 – Milkring (MR)
- Dynaflon® DIN 11.851 – Milkring with inner lip (MRB)

## PTFE /VITON

seamless mantled O-rings and gaskets



## Dynaflon® DIN 11.851 – Milkring (MR)

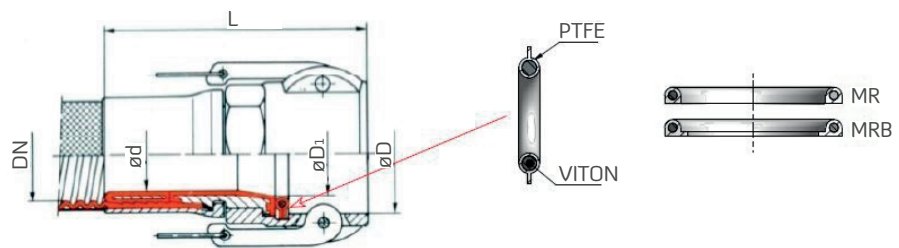
Milkring (MR)

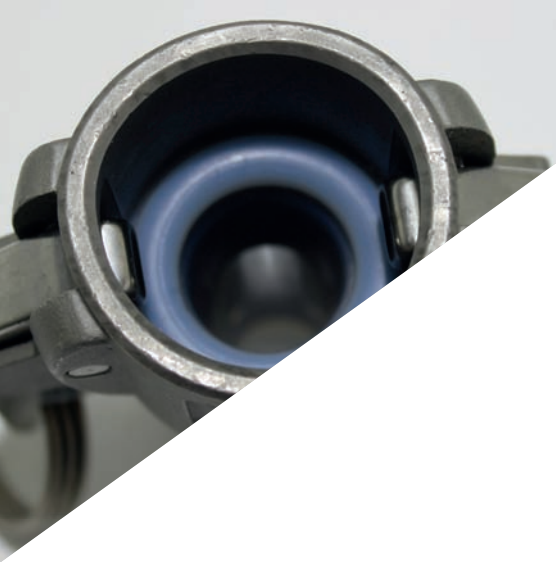
DN - ASA	O.D. (mm)	I.D. (mm)	h. (mm)
10	20	12	4,5
15 - 1/2"	26	18	4,5
20 - 3/4"	33	23	5
25 - 1"	40	30	5
32 - 1 1/4"	46	36	5
40 - 1 1/2"	52	42	5
50 - 2"	64	54	5
65 - 2 1/2"	81	71	5
80 - 3"	95	85	5
100 - 4"	114	104	6
125 - 5"	142	130	7
150 - 6"	167	155	7

## Dynaflon® DIN 11.851 – Milkring with inner lip (MRB)

Milkring with inner lip (mrB)

DN - ASA	O.D. (mm)	I.D. (mm)		h. (mm)
			Lip	
10	20	12	10,5	4,5
15 - 1/2"	26	18	16,5	4,5
20 - 3/4"	33	23	20,5	5
25 - 1"	40	30	26,5	5
32 - 1 1/4"	46	36	32,5	5
40 - 1 1/2"	52	42	38,5	5
50 - 2"	64	54	50,5	5
65 - 2 1/2"	81	71	66,5	5





Contact:

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## Dynaflon®

Vanéflon manufactures Dynaflon® PTFE- encapsulated Viton seals for more than 25 years . This unique sealing solution combines the chemical resistance of PTFE with the sealing performance of Viton. Their higher elasticity avoids problems with leakages or at assembly compared to virgin seals. Dynaflon® seals are a cost-efficient alternative to FFKM seals and also provide a whole range of benefits when compared to FEP or PFA encapsulated seals. Customers in the pharmaceutical, food or chemical industry, who have issues with the life-time or re-use of their virgin, FEP or PFA encapsulated seals will experience clear advantages when using Dynaflon® seals.

### Benefit from our unique Dynaflon® properties over other encapsulated seals:

- Superior chemical resistance, tensile strength and elongation
- Enduring elasticity (Viton core - 70 Shore A)
- Wide temperature range: -40°C/+240°
- Operating pressure: up to 16 bar.
- Very low permeability and coefficient of friction (6x lower than FEP-PFA)
- Excellent folding endurance



## Vanéflon

Since 1976 Vanéflon produces high performance plastic semi-finished and machined parts. As a specialist in compression and hot-moulding in combination with high precision machining we offer tailor-made solutions for a wide range of industries. Our flexible, experienced and dedicated team stands in for customized material selection, engineering support and production thus guaranteeing consistent quality on every level. Modern machinery and continuous process optimization assure the cost-efficient execution of the most demanding tasks. Vanéflon's in-house expertise and high standards lead to reliable, flexible and cost-efficient solutions for demanding customers, who expect professional support, high quality products, fast response and short lead-times. Vanéflon is certified to ISO 9001 and offers various material certifications.