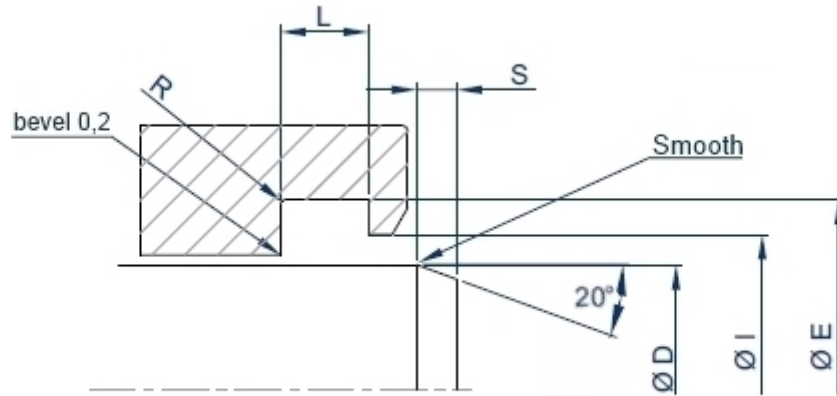


Rotary shaft seals | Rotary shaft seal Rotowiper NRC



Rotary shaft seal Rotowiper NRC for linear and/or slow rotating movements.

Rotary shaft seal Rotowiper NRC for linear and/or slow rotating movements.

NRC ROTOWIPERS are made up of an element in NEUFLON-ptfe and an O-Ring which is the energizing element.

Speed up to 120 rpm with a max. of 0.6 m/sec for the peripheral speed and 5m/sec for the linear movements

They are installed in the very same grooves of the NRC Wipers

APPLICATIONS

Hydraulics, pneumatics, chemical and food processing equipments

Temperature range -60 a + 250°C

CHARACTERISTICS

Minimum dimensions

Closed groove

Very low couple

Protected wiper lip

Ample chemical resistance range

[Homepage](#)
[Rotary Shaft](#)
[Seals](#)



AVAILABILITY

To check the availability:

- choose profile and compound from the drop-down menu
- input the desired housing class
- input the desired diameter

Once obtained the availability, a request for quotation can be sent.



MATERIALS

Click compound's code to download the .PDF data sheet (login requested)

HD Slippers code	Composition	Color	Approvals	ΔT °C	Description
N-009	Ptfe-oxides	blue	FDA	-268 +260	All pourpose on soft surfaces
N-095	Tfm	white		-268 +260	Low creep, better strength.
N-031	Ptfe-bronze	green-blue		-268 +260	High wear resistance, hidraulic seals
N-032	Ptfe-carbon	black	NORSOK	-268 +260	High wear resistance, pneumatic and hydraulic seals
N-197	Ptfe-carbographite	black		-268 +260	High wear resistance, hydraulic and pneumatic seals
N-043	Ptfe-graphite	black		-268 +260	High wear resistance, low friction coefficient.
N-060	Ptfe-glass fibre	blue	FDA	-268 +260	All pourpose on hard surfaces
N-067	Ptfe-glass fibre	white	FDA NORSOK	-268 +260	High wear and creep resistance
N-033	Ptfe-glass fibre MoS2	gray	FDA	-268 +260	Fit for hard surfaces
N-103	Ptfe-Carbon fibre	black		-268 +260	Fit for hard surfaces
N-102	Ptfe-Liquid crystal polymer	beige	FDA - EU	-268 +260	Food & Pharma, fit for soft surfaces
N-088	Ptfe-polyimide	yellow		-268 +260	Fit for soft surfaces
N-074	PEHMW	white	FDA	-140 +80	High wear and extrusion resistance
N-155	PVDF	white	FDA	-30 +140	High modulus
P95-A252	Polyurethane	blue	FDA	-50 +105	Extrusion and wear withstanding, low friction coefficient
P95-VI251	Polyurethane	violet	FDA	-30 +115	CIP (clean in place) fluids compatible
P95-R198	Polyurethane	red		-30 +125	Extrusion and wear withstanding, low friction coefficient, high temperatures
P95-AR255	Polyurethane	orange		-30 +135	Extrusion and wear withstanding, low friction coefficient, higher temperatures
P95-G253	Polyurethane MoS	gray		-30 +105	Extrusion and wear withstanding, lower friction coefficient

CHOOSING Neuflon-ptfe compound ACCORDING WITH FLUID AND SURFACE

SURFACES

Steel HEC>=30-45
Temp. Mart. Inox Steel
Cast Iron HRB<=200
Steel HRC>=45
Cast Iron HRB>200

Galvanic or chemical
surfacing HV>=700
Chromium Bronze

Bronze
Brass

Treated Aluminium

Aust. Inox Steel
Glass

FLUIDS

NEUFLON-ptfe compounds (standard in bold)

Hydraulic oil
Transmission oil
Fire resistant syntetic
hydraulic oil

N-031
N-032 N-060 P95-A112

N-031
N-032 N-060 P95-A112

N-009
N-043 N-032 P95-A112

N-032 N-074
P95-A112

N-009
N-032 N-074 P95-A112

Water and oil/water
emulsions

N-032
N-060 N-074

N-032
N-060 N-074

N-009
N-043 N-074

N-032
N-074

N-009
N-032 N-074

Drugs and food

N-074
N-102 N-043 N-060 N-095
P95-B113

N-009
N-074 P95-B113

N-102
N-009 P95-B113

N-009
N-074 P95-B113

N-009
N-074 P95-B113

Air

N-032

N-032

N-032

N-032

N-032



	N-031 N-043 N-074 P95-A112	N-043 P95-A112	N-009 N-043 N-074 P95-A112	N-074 P95-A112	N-009 N-043 N-074 P95-A112
Steam	N-032 N-043	N-032	N-009 N-032 N-043		N-032 N-009 N-043
Acids and Bases	N-032 N-074	N-032 N-043 N-074			N-009 N-032 N-043 N-074



SEAT

Housing class	D Shaft diameter		E groove diameter	I max	L groove width	R max	S min	In closed groove from diameter
	standard range f7	special range f7	H9	H12	H12			
W1	6 - 11,9	5 - 100	D + 4,8	D + 1,5	3,7	0,3	1.4	20
W2	12 - 64,9	8 - 250	D + 6,8	D + 1,5	5,0	0,3	2.6	30
W3	65 - 250,9	10 - 450	D + 8,8	D + 1,5	6,0	0,4	3	40
W4	251 - 420,9	15 - 650	D + 12,2	D + 2,0	8,4	0,5	7	60
W5	421 - 650	120 - 1100	D + 16	D + 2,5	11,0	0,6	10	120

Coding example

profile code NRC
rod 100
housing class W3
materials: Neuflon 031 O-Ring NBR

Rotowiper NRC 100 W3 N-031 NBR