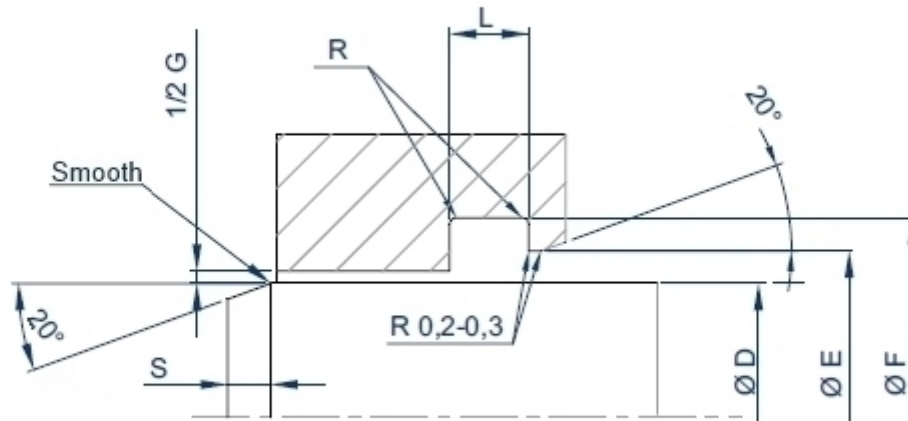


Wipers | Spring energized wipers



I raschiastelo **Enerwiper** consistono in un elemento raschiante in Neufion ptfe, PU o UHMW-PE, energizzato da molla inox.

Il particolare profilo e la scelta dei materiali ne fanno un componente estremamente affidabile in grado di prevenire la penetrazione di contaminanti solidi e liquidi nella zona di guida e tenuta.

Abitualmente fornito con riempimento in silicone **EU-FDA**.

GENERALITIES Enerwiper energized rod wipers are made up of a wiping element in Neufion-ptfe, polyurethane or UHMW-PE, and an inox spring.

The special profile and the choice of materials make an extremely reliable component for completely preventing penetration of solid or liquid contaminants in the mechanical organs.

CHARACTERISTICS Long term maintenance of the pre-load.
Closed groove
Low friction
Protected wiping lip
Great chemical resistance

APPLICATIONS
Hydraulics and pneumatics
Food and drugs (optional **EU-FDA approved silicone filling**)
Linear speed up to 5 m/sec and slow rotating movements
T range -200 +260°C



SEAT

Housing Class	D rod	F groove	L axial width	E ritegno	R max.	S min.
	f7	H9	H12	H12		
G	3 - 20	D + 2,9	2,4	D + 1,9	0,3	2,5
L	15 - 240	D + 4,5	3,6	D + 3,1	0,4	2,5
H	25 - 400	D + 6,2	4,8	D + 4,2	0,6	3
N	45 - 650	D + 9,4	7,1	D + 6,5	0,8	5,5
M	80 - 1100	D + 12,2	9,5	D + 8,6	0,8	8,5

Coding example

housing class N
rod 100
materials: jacket Neufon 020 spring Aisi 302

Enerwiper N 100 N-020 302



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

RESERVED AREA

Click compound's code to download the .PDF data sheet

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-031 N-043 N-074 P95-A112	N-032 N-043 P95-A112	N-032 N-009 N-043 N-074 P95-A112	N-032 N-074 P95-A112	N-032 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

ASSEMBLY

Enerwiper spring energized wipers are suitable for assembling in closed groove starting from a minimum rod diameter according with dimensional class

Enerwiper rod wiper	dimensional class	Min. rod diameter
	G	30
	L	70
	H	110
	N	300
	M	500
	R	800