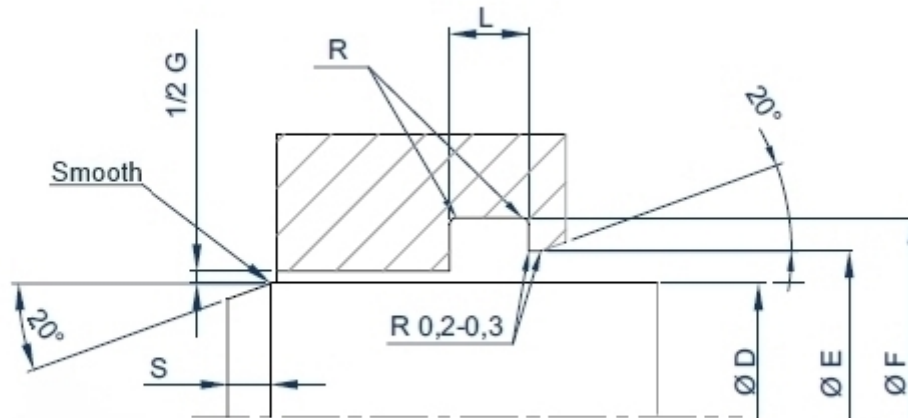


## Wipers | Spring energized wipers



I raschiastelo **Enerwiper** consistono in un elemento raschiante in Neufon 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 Neufon-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 Neuflon 020 spring Aisi 302

**Enerwiper N 100 N-020 302**



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## 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
<a href="#">N-009</a>	Ptfe-oxides	blue	FDA	-268 +260	All pourpose on soft surfaces
<a href="#">N-095</a>	Tfm	white		-268 +260	Low creep, better strength.
<a href="#">N-031</a>	Ptfe-bronze	green-blue		-268 +260	High wear resistance, hidraulic seals
<a href="#">N-032</a>	Ptfe-carbon	black	NORSOK	-268 +260	High wear resistance, pneumatic and hydraulic seals
<a href="#">N-197</a>	Ptfe-carbographite	black		-268 +260	High wear resistance, hydraulic and pneumatic seals
<a href="#">N-043</a>	Ptfe-graphite	black		-268 +260	High wear resistance, low friction coefficient.
<a href="#">N-060</a>	Ptfe-glass fibre	blue	FDA	-268 +260	All pourpose on hard surfaces
<a href="#">N-067</a>	Ptfe-glass fibre	white	FDA NORSOK	-268 +260	High wear and creep resistance
<a href="#">N-033</a>	Ptfe-glass fibre MoS2	gray	FDA	-268 +260	Fit for hard surfaces
<a href="#">N-103</a>	Ptfe-Carbon fibre	black		-268 +260	Fit for hard surfaces
<a href="#">N-102</a>	Ptfe-Liquid crystal polymer	beige	FDA - EU	-268 +260	Food & Pharma, fit for soft surfaces
<a href="#">N-088</a>	Ptfe-polyimide	yellow		-268 +260	Fit for soft surfaces
<a href="#">N-074</a>	PEHMW	white	FDA	-140 +80	High wear and extrusion resistance
<a href="#">N-155</a>	PVDF	white	FDA	-30 +140	High modulus
<a href="#">P95-A252</a>	Polyurethane	blue	FDA	-50 +105	Extrusion and wear withstanding, low friction coefficient
<a href="#">P95-VI251</a>	Polyurethane	violet	FDA	-30 +115	CIP (clean in place) fluids compatible
<a href="#">P95-R198</a>	Polyurethane	red		-30 +125	Extrusion and wear withstanding, low friction coefficient, high temperatures
<a href="#">P95-AR255</a>	Polyurethane	orange		-30 +135	Extrusion and wear withstanding, low friction coefficient, higher temperatures
<a href="#">P95-G253</a>	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	<b>N-032</b> N-031 N-043 N-074 P95-A112	<b>N-032</b> N-043 P95-A112	<b>N-032</b> N-009 N-043 N-074 P95-A112	<b>N-032</b> N-074 P95-A112	<b>N-032</b> N-009 N-043 N-074 P95-A112
Steam	<b>N-032</b> N-043	<b>N-032</b>	<b>N-009</b> N-032 N-043		<b>N-032</b> N-009 N-043
Acids and Bases	<b>N-032</b> N-074	<b>N-032</b> N-043 N-074			<b>N-009</b> 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