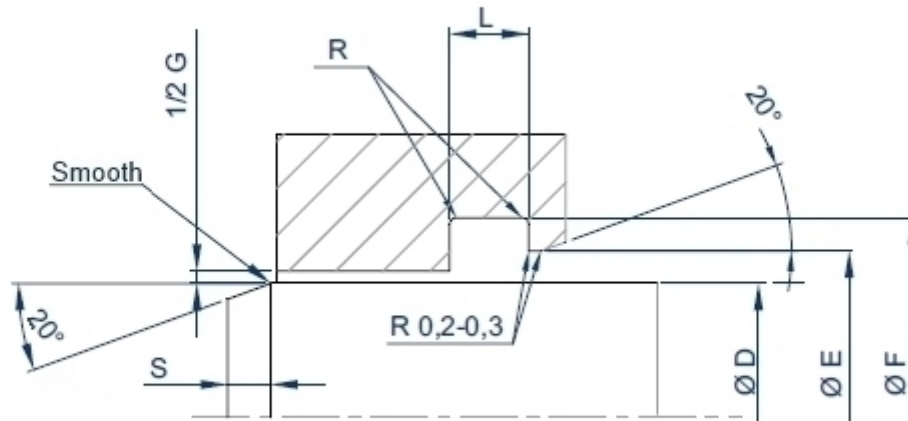


Wipers | Enerwiper rod wiper



Enerwiper energized rod wipers made up of a wiping element in Neufon-ptfe or PU or UHMW-PE, and an inox energizing 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.

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**) Optional MOCA certification

Linear speed up to 5 m/sec and slow rotating movements

T range -200 +260°C

[Spring
Energized
Seals
Homepage](#)



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

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 | |



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 \geq 30-45
Temp. Mart. Inox Steel
Cast Iron HRB \leq 200
Steel HRC \geq 45
Cast Iron HRB $>$ 200

Galvanic or chemical
surfacing HV \geq 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 |