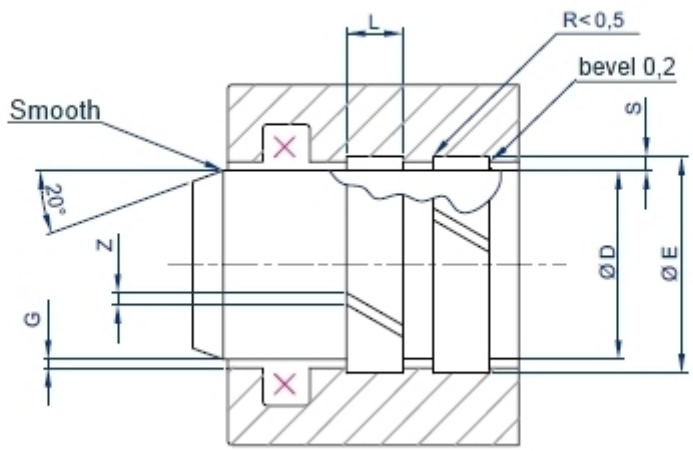
# Guide rings |Ptfe rod guide rings




A Neuflon-PTFE compound tape intended to be used as a guiding element.
Neuflon N-071 hydraulic applications
Neuflon N-059 pneumatic applications
Long life of both the skate and the sliding surface. Low friction and no Stick-Slip. Possibility of dry running. Exceptional resistance to the 'Diesel effect'. Ample thermal and chemical resistance. Ready availability from coils.

## SEAT

| Cross Section Code | S<br>Thickness | E<br>Groove diameter | L<br>Groove width | G<br>Rod-Box clearence | Z<br>Gap clearence | length |
|---|---|---|---|---|---|---|
| | | **J8 - H8** | **H11** | **max S x 0,4** | | **+0 / -0,3** |
| **HD SC 3,2/1,5** | **1,5** | | **3,2** | | | |
| **HD SC 3,2/2,5** | **2,5** | | **3,2** | | | |
| **HD SC 4,2/1,5** | **1,5** | | **4,2** | | | |
| **HD SC 4,2/2,5** | **2,5** | | **4,2** | | | |
| **HD SC 6,3/1,5** | **1,5** | | **6,3** | | | |
| **HD SC 6,3/2,5** | **2,5** | | **6,3** | | | |
| **HD SC 8,1/1,5** | **1,5** | **D + 2 x S** | **8,1** | depends from the seal<br>**max S x 0,4** | **1 + D x 0,03** | **3,14x(D+S)-Z** |
| **HD SC 8,1/2,5** | **2,5** | | **8,1** | | | |
| **HD SC 9,7/2,5** | **2,5** | | **9,7** | | | |
| **HD SC 15/2,5** | **2,5** | | **15** | | | |
| **HD SC 20/2,5** | **2,5** | | **20** | | | |
| **HD SC 25/2,5** | **2,5** | | **25** | | | |
| **HD SC 30/2,5** | **2,5** | | **30** | | | |

| **Coding example** | |
|---|---|
| housing class: HDSC<br>Section: 9,7/2.5 (thikness 2.5 width 9.7)<br>Material: N-071 (hydraulics)<br>Rod: 100 | **HDSC - 9,7/2.5 - N-071 - 100** |

## MATERIALS

**ELASTOPLASTIC DEFORMATION / LOAD**



**FRICTION COEFFICIENT / SPEED**



| | | | MATERIAL | |
|---|---|---|---|---|
| CHARACTERISTICS | SPECIFICATION | UNITS | NEUFLON-071 | NEUFLON-059 |
| SPECIFIC LOAD Qs T <=100°C | | N.mm-2 | 2.5 | 2.6 |
| Compression modulus at 1% of deformation | D695-54 | N.mm-2 | 8 | 8.40 |
| Hardness | D53505 | Shore D | 60 | 65 |
| Friction Coefficient | | | 0.12 | 0.13 |
| Max. Speed | | m/sec | 5 | 5 |
| Thermal expansion coefficient | D696-70 | 10^-6 / °C | 90 | 85 |
| Continual operational Temp. | | °C | 250 | 250 |
| Peak Temperature | | °C | 300 | 300 |
| Compatible with hydraulic oil | | | yes | yes |
| Compatible with water/oil emulsions | | | yes | yes |
| Compatible with DOT 3 DOT4 | | | yes | yes |
| Compatible with water | | | no | yes |
| Compatible with phosphoric esters | | | yes | yes |
| Flammability | D635-68 | | fire resistant | fire resistant |