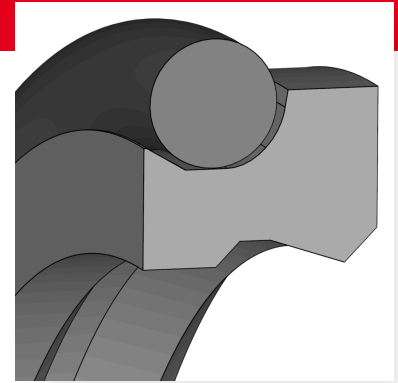




DICHTOMATIK

Double wiper AD61

DESCRIPTION

- Sealing and wiper edge
- Double-acting
- O-ring as sealing and preloading element
- Without metal angle ring

FUNCTION

- Wiping off impurities on the piston rod during the retraction movement
- Reduction of residual oil film due to second lip
- Pressure relief hole recommended for return of residual oil
- Pretensioning provides static tightness

APPLICATIONS

- Suitable for short-stroke cylinders with high sliding speeds and high stroke frequency

PRODUCT ADVANTAGES

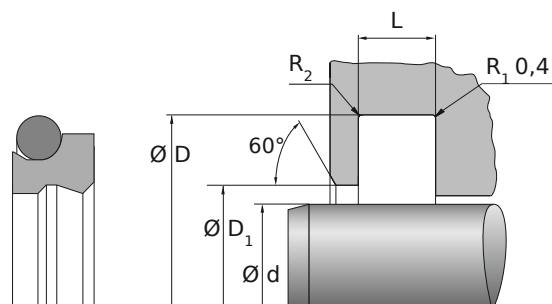
- Good wiping properties against dirt
- Low friction
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- No stick-slip effect
- Good price/performance ratio
- Manufactured by certified external suppliers
- Particularly suitable for high stroke speeds and frequencies

CONFORMITY AND CERTIFICATES

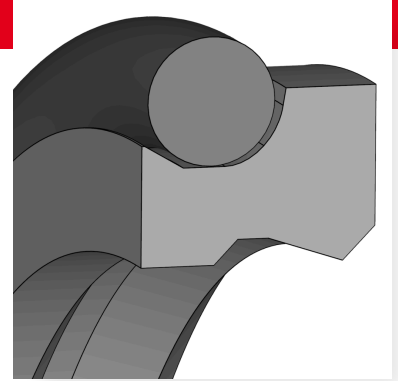
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

DESIGN GUIDELINE

- Installation space cleaned and free of deposits or old packing rings
- Please refer to the technical manual for design guidelines.
- Surface roughness of groove base $R_a \leq 0,4 \mu\text{m}$
- Surface roughness of groove flanks $R_a \leq 4 \mu\text{m}$
- Surface roughness of mating surface $R_a \leq 0,4 \mu\text{m}$



DICHTOMATIK



Double wiper AD61

INSTALLATION GUIDELINE

- Axially accessible installation space required for small diameters
- Deburr sharp edges, provide with seamless chamfers and radii
- Clean the installation space carefully before installation, remove dust, dirt, metal chips, etc.
- When installing in closed installation spaces, heat the PTFE part in advance so that the seal can be installed quickly and easily by forming it into a kidney shape
- The seal must not be kinked during installation
- Do not roll the O-ring over the mounting surfaces, do not twist it when snapping into the groove
- Calibrate at the end

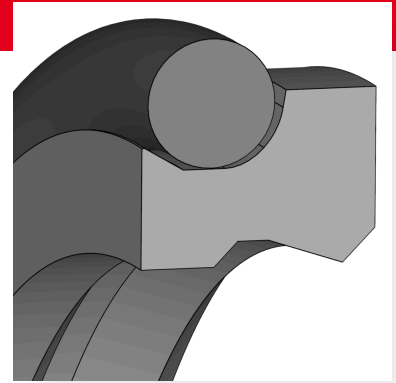
STORAGE ADVISE

- Storage temperature <25°C
- No direct heat sources
- No direct sunlight
- No condensation in the storage room
- No exposure to ozone or ionizing radiation
- Recommendations based on the revision of ISO 2230 dated 16.09.1992

Speed [m/s]

PTFE

15



 DICHTOMATIK

Double wiper AD61

Temperature [°C]

PTFE

-30...100

The values given are based on a limited number of tests on standard test specimens (2 mm sample plates) from laboratory production. The data determined from finished parts may deviate from the above values depending on the manufacturing process and the part geometry.

The information provided herein is based on laboratory tests and on data sources deemed reliable. It constitutes general, non-binding guideline values and does not represent any guarantee of specific properties or suitability for a particular purpose. The suitability of a product for a specific application depends on the actual operating conditions and a variety of factors. Full testing and performance evaluation of the final product are the responsibility of the user. Freudenberg FST GmbH | www.fst.com

 DICHTOMATIK

 **FREUDENBERG**
SEALING TECHNOLOGIES