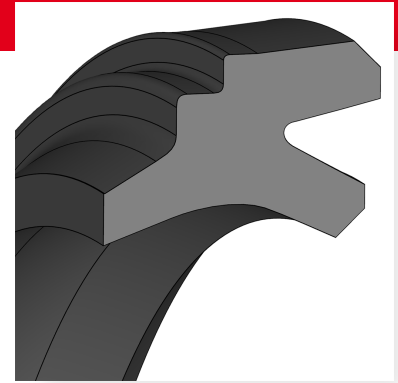




DICHTOMATIK

## Double wiper AD51

### DESCRIPTION

- Double-acting
- Protruding wiper lip
- Additional diameter step on the outer seat
- Without metal angle ring

### FUNCTION

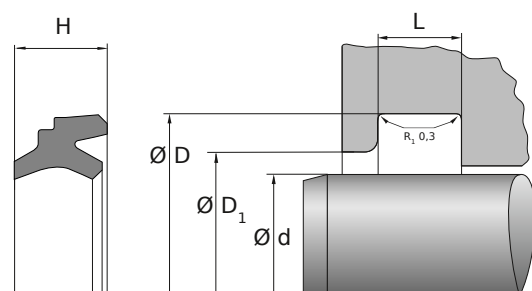
- Wiping off impurities on the piston rod during the retraction movement
- Reduction of residual oil film due to second lip
- Pressure relief hole recommended for return of residual oil

### APPLICATIONS

- Particularly suitable for piston rods with high stroke speeds

### 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.



### PRODUCT ADVANTAGES

- Additional diameter step on the outer seat leads to stronger sealing and wiping effect
- Good wiping properties against dirt
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- Good price/performance ratio
- Manufactured by certified external suppliers
- Particularly suitable for high stroke speeds

### DESIGN GUIDELINE

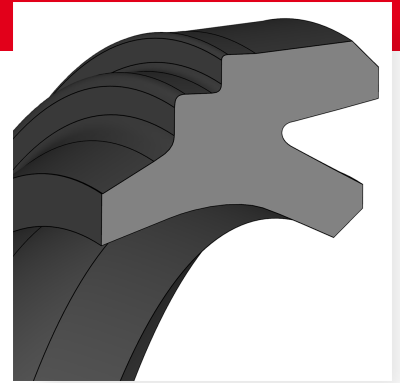
- Installation space cleaned and free of deposits or old packing rings
- Please refer to the technical manual for design guidelines.
- Surface roughness of groove base  $R_a \leq 0,4 \mu\text{m}$
- Surface roughness of groove flanks  $R_a \leq 4 \mu\text{m}$
- Surface roughness of mating surface  $R_a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

### INSTALLATION GUIDELINE

- Installation in axially semi-closed installation spaces
- Deburr sharp edges, provide with seamless chamfers and radii
- Clean the installation space carefully before installation, remove dust, dirt, metal chips, etc.
- Grease mounting surfaces and seal



DICHTOMATIK



DICHTOMATIK

## Double wiper AD51

### STORAGE ADVISE

- Storage temperature <25°C
- 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]

| NBR |
|-----|
| 1   |

### Temperature [°C]

| NBR       |
|-----------|
| -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](http://www.fst.com)



DICHTOMATIK

**FREUDENBERG**  
SEALING TECHNOLOGIES