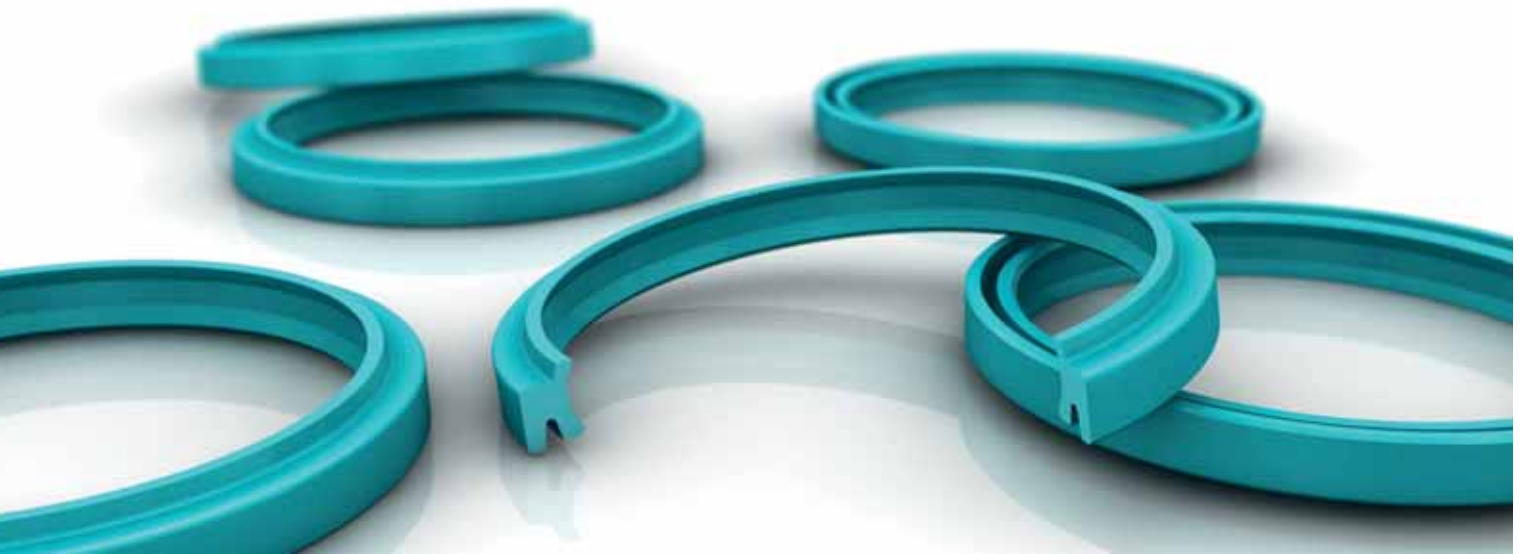

Zurcon® Scraper DA 22



Double Acting

Material:
Zurcon®



■ Scraper DA 22



Description

The scraper is a double-acting polyurethane wiper for closed groove installation. Significant improvements are achieved regarding the profile geometry and material used if compared with conventional elastomeric scrapers.

The scraper lip is designed in a particular way that it reliably scrapes off the dirt but leaves a residual oil film on the rod, which is required for correct operation. The radial squeeze is sufficient to remove particles, dust and water.

The scraping lip facing inwards is designed in a way that it assumes a sealing function even under low pressure. The static seal is achieved by a tight radial fit between the scraper body and the groove.

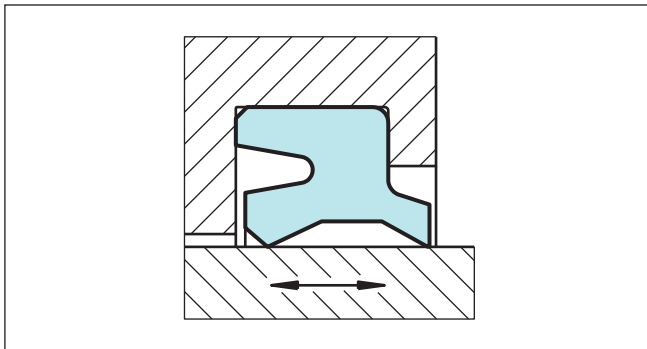


Figure 14 Scraper DA 22

Advantages

- Good scraping effect
- Wear resistant, long service life
- Retaining residual oil film
- Standard elements for standardized installation grooves.

Application Examples

Due to the outstanding wiping capacities, DA22 scraper is recommended wherever there are dusty and humid conditions and especially for the following applications:

- ISO standard cylinders
- Hydraulic industrial cylinders
- Agriculture machinery

Technical Data

Operating conditions

Pressure	
Scraper side:	Atmospheric pressure
Seal side:	Pressures up to 2 MPa (20 bar) a relief bore must be provided with higher pressures
Speed:	Up to 1 m/s
Temperature:	-35 °C to +100 °C
Media:	Mineral oils and greases
Groove type:	Closed

Important Note:

The above data are maximum values and cannot be used at the same time. e.g. the maximum operating speed depends on material type, pressure, temperature and gap value. Temperature range also dependent on medium.

Materials

Standard application:

Zurcon® Polyurethane:	92 Shore A
Material code:	Z201
Colour:	turquoise



■ Installation Recommendation

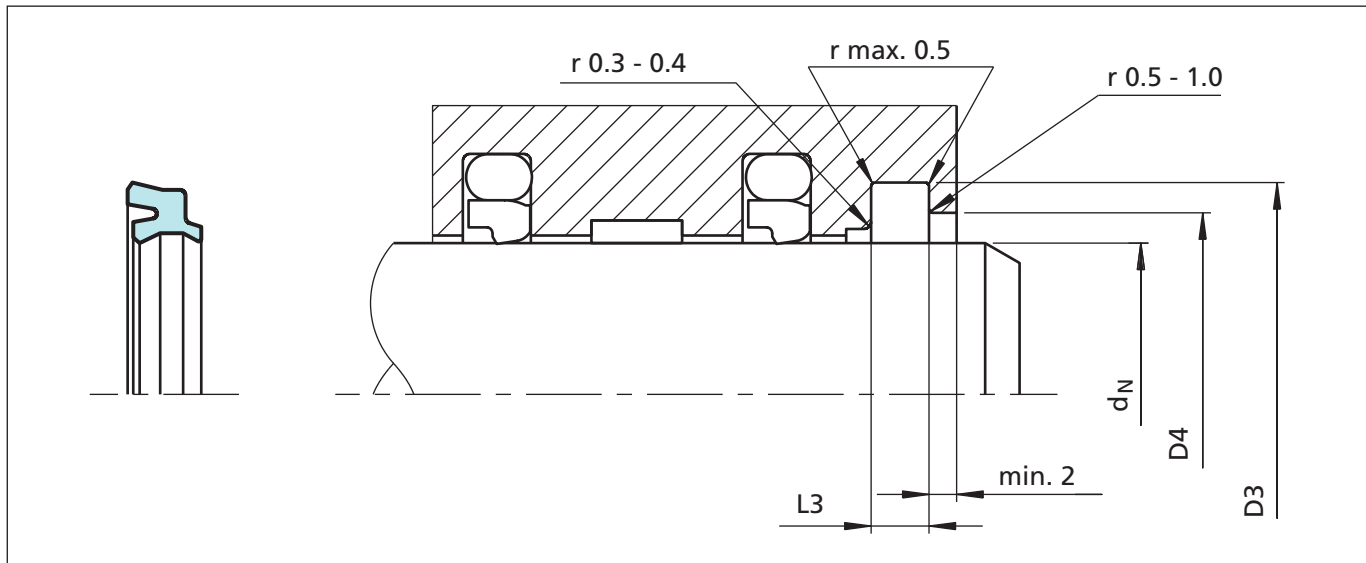


Figure 15 Installation drawing

Ordering Example

Rod diameter: $d_N = 36$ mm
 Groove diameter: $D3 = 44$ mm (see example 1)
Example 1
 TSS Part No.: WD2200360
 Material Code: Z201
 Old Ref. No.: Not available

TSS Article No.	WD22	0	0360	-	Z201
TSS Series No.					
Type (Standard)					
Rod diameter x 10					
Quality Index (see table)					
Material-code					

Table XXI Installation dimensions / TSS part numbers

Rod Diameter d_N f8/h9	Groove Diameter $D3$ H9	Groove Width L_3 +0.1	Bore Diameter D_4 H11	TSS Part No.
5.0	10.0	3.5	7.5	WD2200050
8.0	13.0	3.5	10.5	WD2200080
10.0	16.0	4.0	12.5	WD2200100
12.0	18.0	4.0	14.5	WD2200120
12.0	18.6	3.8	15.0	WD2210120
14.0	20.0	4.0	16.5	WD2200140

The sizes in **bold** type comply with ISO 6195. Installation groove Type C.
 Up to 18 mm diameter we recommend a split groove.
 Other sizes on request.



Rod Diameter	Groove Diameter	Groove Width	Bore Diameter	TSS Part No.
d_N f8/h9	D3 H9	L_3 +0.1	D4 H11	
14.0	20.6	3.8	17.0	WD2210140
16.0	22.0	4.0	18.5	WD2200160
18.0	24.0	4.0	20.5	WD2200180
18.0	24.6	3.8	21.0	WD2210180
20.0	26.0	4.0	22.5	WD2200200
20.0	28.6	5.3	23.0	WD2210200
22.0	28.0	4.0	24.5	WD2200220
22.0	30.6	5.3	25.0	WD2210220
24.0	32.6	5.3	27.0	WD2210240
25.0	31.0	4.0	27.5	WD2200250
25.0	33.6	5.3	28.0	WD2210250
28.0	36.0	5.0	31.0	WD2200280
28.0	36.6	5.3	31.0	WD2210280
30.0	38.0	5.0	33.0	WD2200300
30.0	38.6	5.3	33.0	WD2210300
32.0	40.0	5.0	35.0	WD2200320
32.0	40.6	5.3	35.0	WD2210320
35.0	43.0	5.0	38.0	WD2200350
35.0	43.6	5.3	38.0	WD2210350
36.0	44.0	5.0	39.0	WD2200360
36.0	44.6	5.3	39.0	WD2210360
40.0	48.0	5.0	43.0	WD2200400
40.0	48.6	5.3	43.0	WD2210400
45.0	53.0	5.0	48.0	WD2200450
45.0	53.6	5.3	48.0	WD2210450
50.0	58.0	5.0	53.0	WD2200500
50.0	58.6	5.3	53.0	WD2210500
55.0	63.6	5.3	58.0	WD2210550
55.0	65.0	6.0	58.0	WD2200550
56.0	64.6	5.3	59.0	WD2210560
56.0	66.0	6.0	59.0	WD2200560
58.0	68.0	6.0	61.0	WD2200580
60.0	68.6	5.3	63.0	WD2210600
60.0	70.0	6.0	63.0	WD2200600
63.0	71.6	5.3	66.0	WD2210630
63.0	73.0	6.0	66.0	WD2200630

The sizes in **bold** type comply with ISO 6195. Installation groove Type C.
Up to 18 mm diameter we recommend a split groove.
Other sizes on request.



Zurcon® Scraper DA 22

Rod Diameter	Groove Diameter	Groove Width	Bore Diameter	TSS Part No.
d_N f8/h9	D3 H9	L_3 +0.1	D4 H11	
65.0	73.6	5.3	68.0	WD2210650
65.0	75.0	6.0	68.0	WD2200650
70.0	78.6	5.3	73.0	WD2210700
70.0	80.0	6.0	73.0	WD2200700
75.0	83.6	5.3	78.0	WD2210750
75.0	85.0	6.0	78.0	WD2200750
78.0	88.0	6.0	81.0	WD2200780
80.0	88.6	5.3	83.0	WD2210800
80.0	90.0	6.0	83.0	WD2200800
85.0	95.0	6.0	88.0	WD2200850
85.0	97.2	7.1	91.0	WD2210850
90.0	100.0	6.0	93.0	WD2200900
90.0	102.2	7.1	96.0	WD2210900
100.0	110.0	6.0	103.0	WD2201000
100.0	112.2	7.1	106.0	WD2211000
110.0	122.2	7.1	116.6	WD2211100
110.0	125.0	8.5	114.0	WD2201100
120.0	135.0	8.5	124.0	WD2201200
125.0	140.0	8.5	129.0	WD2201250
140.0	155.0	8.5	144.0	WD2201400
150.0	165.0	8.5	154.0	WD2201500
160.0	175.0	8.5	164.0	WD2201600
180.0	195.0	8.5	184.0	WD2201800

The sizes in **bold** type comply with ISO 6195. Installation groove Type C.
Up to 18 mm diameter we recommend a split groove.
Other sizes on request.