

Zurcon® Scraper WNV



Double-acting

Material:
Zurcon®





Zurcon® Scraper WNV



Description

WNV is a double acting scraper in material Zurcon® polyurethane Z 201. The dynamic scraping lip is specially designed with an additional inwards sealing edge to keep the residual oil film in the system. If the volume of this oil film can not be backpumped by the main rod seal (e.g. u.cup) a pressure built up between u-cup and scraper will be prevented by releasing this pressure by lifting of the scraper lip.

The static sealing lip and edge respectively ensure against the intrusion of dirt and fluids (e.g. water) over the outer diameter of the scraper. The support on the reverse side of the scraper prevents it from twisting in the groove.

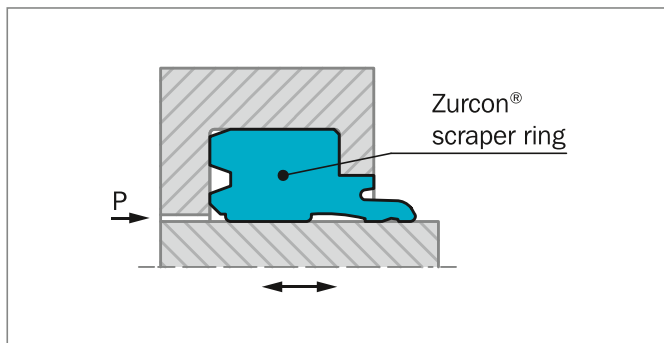


Figure 195: Scraper WNV

ADVANTAGES

- Double acting
- Pressure release function
- Good static sealing performance due to additional seal lip at the housing
- Stable position of scraper in the housing
- Support bead with notches to support release function
- Housings in accordance to ISO 6195 type A

APPLICATION EXAMPLES

- Mobile hydraulic machinery
- ISO-standard cylinders application
- Agriculture machinery
- Lift trucks
- Cargo tailboards
- Steering cylinders

OPERATING CONDITIONS

Speed:	Up to 1 m/s
Temperature:	-35 °C to +100 °C
Media:	Mineral oil based hydraulic fluids
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 depends on media.

MATERIALS

Standard application:

Zurcon® Polyurethane: 92 Shore A

Material code: Z201

Color: turquoise



■ Installation Recommendation

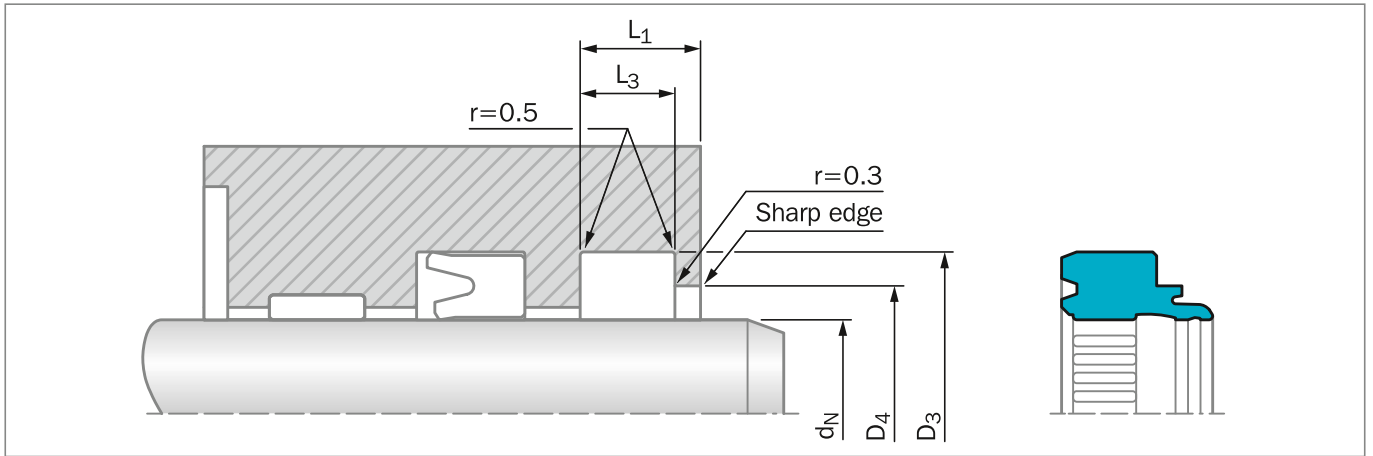


Figure 196: Installation Drawing

ORDERING EXAMPLE

Rod Diameter:	$d_N = 45.0$ mm
Groove Diameter:	$D_3 = 53.0$ mm
TSS Part No.:	WNV000450 from Table 176
Material Code:	Z201

TSS Article No.	WNV0 0 0450 - Z201
TSS Series No.	WNV0
Type (Standard)	0
Rod Diameter x 10	0450
Quality Index (Standard)	-
Material Code	Z201

Table 176: Installation Dimensions / TSS Part No.

Rod Diameter	Groove Diameter	Bore Diameter	Groove Width	Depth	TSS Part No.
d_N	D_3	D_4	L_3	L_1	
h9	H8	H8	+0.2	+0.2	
16	24	21.5	5.0	7.0	WNV000160
18	26	23.5	5.0	7.0	WNV000180
20	28	25.5	5.0	7.0	WNV000200
25	33	30.5	5.0	7.0	WNV000250
30	38	35.5	5.0	7.0	WNV000300
32	40	37.5	5.0	7.0	WNV000320
35	43	40.5	5.0	7.0	WNV000350
40	48	45.5	5.0	7.0	WNV000400
45	53	50.5	5.0	7.0	WNV000450
50	58	55.5	5.0	7.0	WNV000500
60	68	65.5	5.0	7.0	WNV100600
70	80	77	6.3	8.3	WNV000700
80	90	87	6.3	8.3	WNV000800
100	115	110	9.5	12	WNV001000