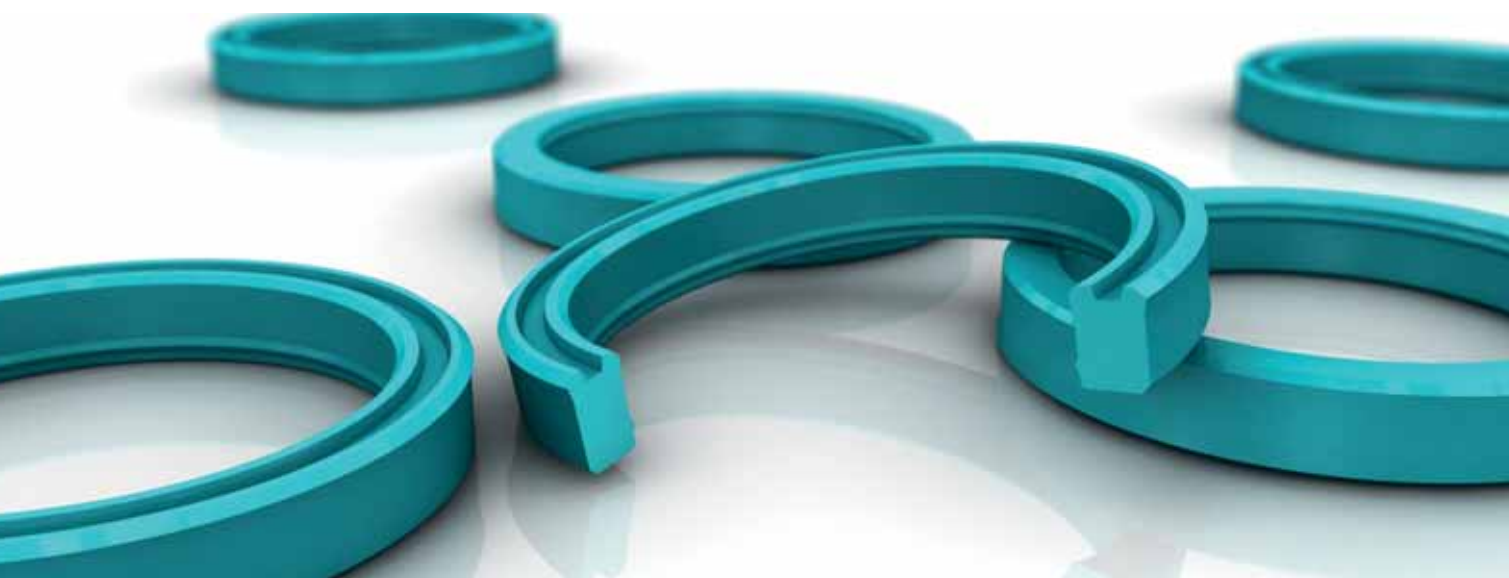

Zurcon[®] U-Cup RU2



Single Acting U-Cup

Asymmetric, Double Lip,
Compact

Material:
Zurcon[®]



■ U-Cup RU2



Description

Today U-Cups are used primarily as seals for piston rods in hydraulic cylinders. U-Cups in polyurethane are proven elements, due to their good mechanical properties, for standard cylinder construction, particularly for mobile hydraulics under rough operating conditions.

The U-Cup RU2 is a double lip seal in a compact design.

Type RU2

The compact U-Cup type RU2 is designed for small grooves. It is thus particularly suitable for use in space-saving designs. The compact form provides a high sealing effect even with low system pressures.

The U-Cup has two sealing lips in the dynamic sealing zone. The compact form with two sealing lips provides an improvement in the leakage behaviour at low system pressures. Due to the incorporation of an oil trap between the two sealing lips, friction at pressures above approx. 10 MPa is reduced. Furthermore, the second sealing lip prevents the entry of dirt from the atmosphere side.

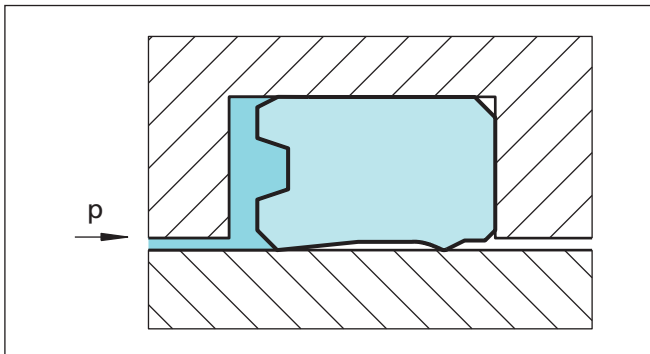


Figure 44 U-Cup, type RU2

Method of Operation

The sealing effect of the U-Cup comes from the intrinsic preload of the seal body and from the compression of the seal lips during installation. In operating condition, the radial mechanical contact forces are superimposed by the system pressure.

At low stroke speeds, U-Cups can tend to have a stick-slip effect due to an inadequate lubrication film formation in the seal clearance and to their material properties. This behaviour corresponds to the Stribeck curve described in the relevant literature.

Advantages

- Good sealing effect at high and low pressures
- Good abrasion resistance, wear-resistant
- Unaffected by sudden loads
- Suitable for small grooves
- Simple installation.

Technical Data

| | |
|---------------------|--|
| Operating pressure: | Max. 40 MPa |
| Speed: | Up to 0.5 m/s |
| Temperature: | Use in mineral oils: -35 °C to + 110 °C |
| Media: | Mineral oil-based hydraulic fluids. |

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.

Material

| | |
|-----------------------|------------|
| Standard Zurcon®: | Z20 |
| Special Polyurethane: | 93 Shore A |
| Colour: | turquoise |

Seal clearance

Guide values for the radial clearance between rod and gland in relation to the operating pressure and rod diameter can be found in the table below.

| Operating max. Pressure MPa | Radial Clearance S max. | |
|-----------------------------|-------------------------|----------------------|
| | d _N <60 mm | d _N >60mm |
| 5 | 0.40 | 0.50 |
| 10 | 0.30 | 0.40 |
| 20 | 0.20 | 0.30 |
| 30 | 0.15 | 0.20 |
| 40 | 0.10 | 0.15 |

The values for S max. given in this table apply to all types for the low-pressure side of the U-Cup. They are designed for an operating temperature of 60 °C.



Installation Recommendation

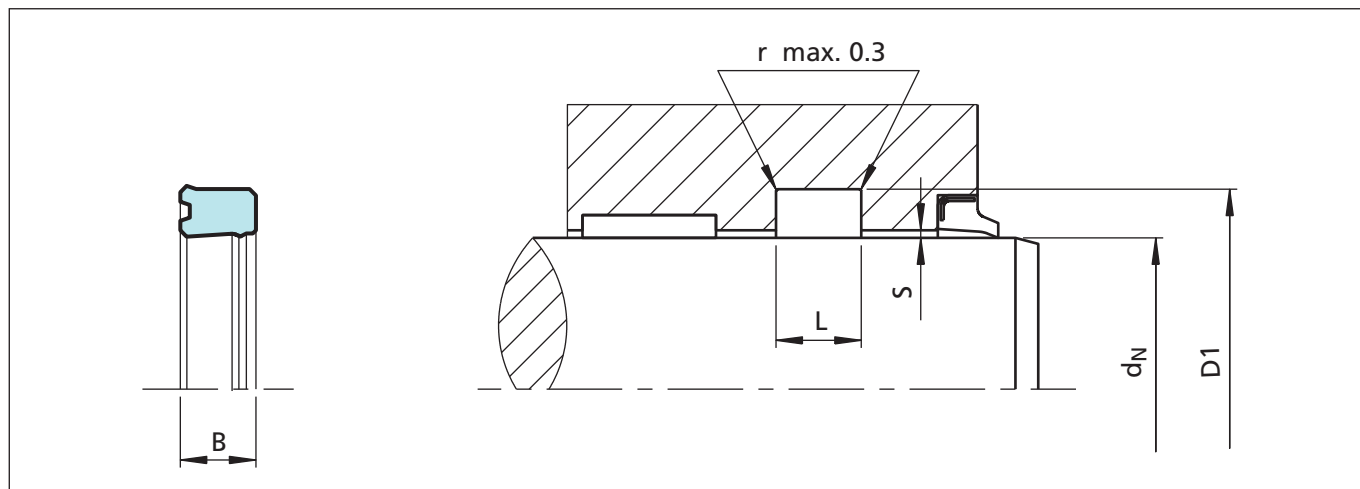


Figure 45 Installation drawing
Dimensions "S" (see table on previous page)

Ordering example

U-Cup Type RU2

Rod diameter:

$d_N = 45.0 \text{ mm}$

Groove diameter:

$D1 = 55.0 \text{ mm}$

Groove width:

$L = 11.0 \text{ mm}$

TSS Part No.:

RU2200450 -

Material

Standard Zurcon®:

Z20

Special polyurethane:

93 Shore A

Colour:

turquoise

| | | | | | |
|--------------------------|------|---|------|---|-----|
| TSS Article No. | RU22 | 0 | 0450 | - | Z20 |
| TSS Series No. | | | | | |
| Type (Standard) | | | | | |
| Rod diameter x 10 | | | | | |
| Quality Index (Standard) | | | | | |
| Material code | | | | | |

Table XXXII Installation dimensions / TSS Part No.

| Note | Rod Diameter | Groove Diameter | Groove Width | Seal Width | TSS Part No. |
|------|--------------|-----------------|--------------|------------|------------------|
| | d_N f8/h9 | D_1 H10 | $L + 0.2$ | B | |
| * | 6.0 | 14.0 | 6.3 | 5.8 | RU2000060 |
| * | 8.0 | 16.0 | 6.3 | 5.8 | RU2200080 |
| * | 10.0 | 18.0 | 6.3 | 5.8 | RU2000100 |
| * | 12.0 | 20.0 | 6.3 | 5.8 | RU2100120 |
| * | 14.0 | 22.0 | 6.3 | 5.8 | RU2100140 |
| * | 16.0 | 24.0 | 6.3 | 5.8 | RU2000160 |
| * | 18.0 | 26.0 | 6.3 | 5.8 | RU2100180 |
| | 20.0 | 28.0 | 6.3 | 5.8 | RU2100200 |
| * | 20.0 | 30.0 | 8.0 | 7.0 | RU2300200 |

Dimensions printed in **bold** type correspond to ISO/DIN 5597 and ISO 5597/1.
Additional dimensions can be delivered on request.

* Split groove



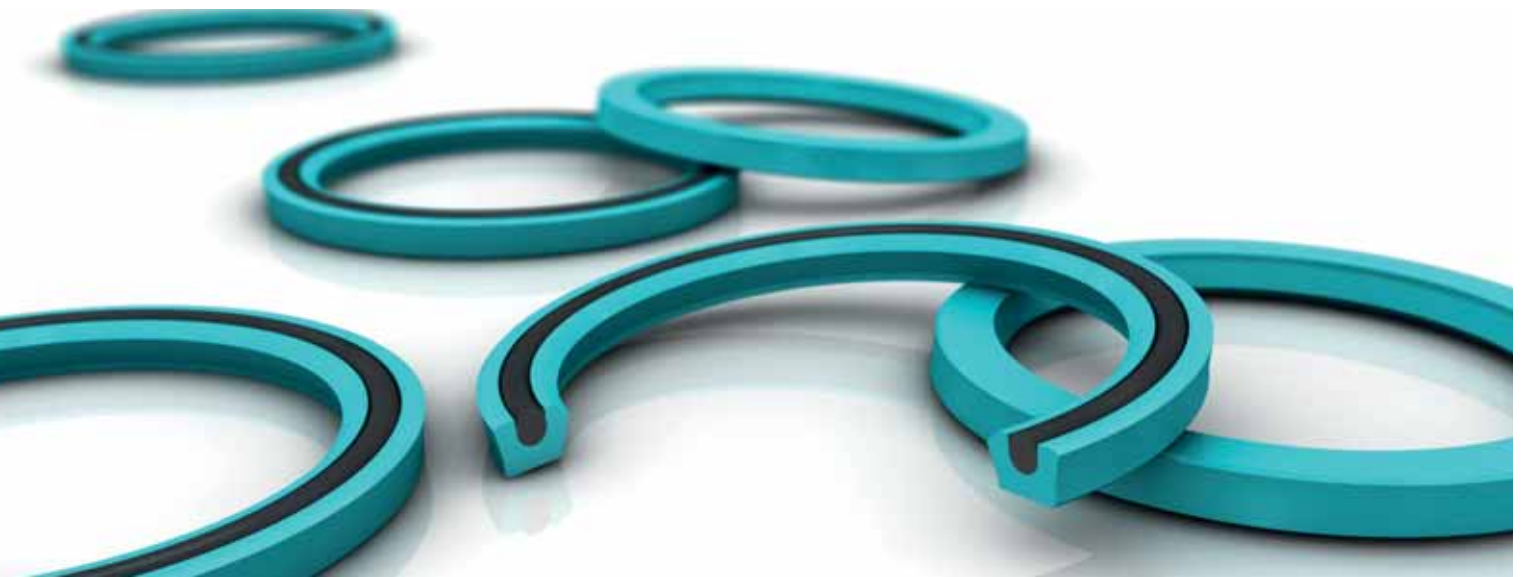
| Note | Rod Diameter | Groove Diameter | Groove Width | Seal Width | TSS Part No. |
|------|--------------|-----------------|--------------|-------------|------------------|
| | d_N f8/h9 | D_1 H10 | L +0.2 | B | |
| | 22.0 | 30.0 | 6.3 | 5.8 | RU2300220 |
| | 24.0 | 32.0 | 6.3 | 5.7 | RU2000240 |
| | 25.0 | 33.0 | 6.3 | 5.7 | RU2000250 |
| * | 25.0 | 35.0 | 8.0 | 7.0 | RU2400250 |
| * | 25.0 | 35.0 | 9.0 | 8.0 | RU2500250 |
| | 28.0 | 36.0 | 6.3 | 5.8 | RU2000280 |
| * | 28.0 | 38.0 | 6.3 | 5.8 | RU2300280 |
| * | 28.0 | 38.0 | 8.0 | 7.0 | RU2400280 |
| | 32.0 | 42.0 | 8.0 | 7.0 | RU2100320 |
| | 36.0 | 44.0 | 6.3 | 5.8 | RU2000360 |
| | 36.0 | 46.0 | 8.0 | 7.3 | RU2300360 |
| | 40.0 | 50.0 | 8.0 | 7.0 | RU2500400 |
| | 45.0 | 53.0 | 6.3 | 5.8 | RU2000450 |
| | 45.0 | 55.0 | 6.3 | 5.7 | RU2300450 |
| | 45.0 | 55.0 | 8.0 | 7.0 | RU2500450 |
| | 50.0 | 60.0 | 8.0 | 7.0 | RU2400500 |
| | 56.0 | 66.0 | 7.5 | 6.5 | RU2100560 |
| | 56.0 | 71.0 | 12.5 | 11.5 | RU2200560 |
| | 63.0 | 78.0 | 12.5 | 11.5 | RU2100630 |
| | 70.0 | 80.0 | 7.5 | 6.5 | RU2200700 |
| | 80.0 | 95.0 | 12.5 | 11.5 | RU2100800 |
| | 90.0 | 100.0 | 7.5 | 6.5 | RU2000900 |
| | 90.0 | 105.0 | 12.5 | 11.4 | RU2400900 |
| | 110.0 | 125.0 | 10.5 | 9.5 | RU2001100 |
| | 110.0 | 130.0 | 16.0 | 15.0 | RU2101100 |
| | 140.0 | 160.0 | 16.0 | 15.0 | RU2201400 |

Dimensions printed in **bold** type correspond to ISO/DIN 5597 and ISO 5597/1. * Split groove
Additional dimensions can be delivered on request.



Zurcon® U-Cup RU2

Zurcon[®] U-Cup RU6



Single Acting U-Cup

Rubber Energized

Material:
Zurcon[®] + NBR



■ U-Cup RU6



Description

Additional to the machined seals Stepseal® 2K and Rimseal for housings due to ISO 7425/2 (rubber energised plastic seals) the U-Cup type RU6 has been developed as an injection molded seal of polyurethane material to fit in the same ISO housings. The integrated NBR O-Ring (only available for series RU62 - RU64) improves the performance at low pressure and low temperature applications. Polyurethane (Zurcon® Z20) is a proved material for U-cups due to their good mechanical properties.

Type RU6

The U-Cup type RU6 can be installed as a single seal for low to medium duty applications; for sealing systems, the U-Cup RU6 shall be installed mainly as a secondary seal together with the Turcon® Stepseal® 2K as primary seals.

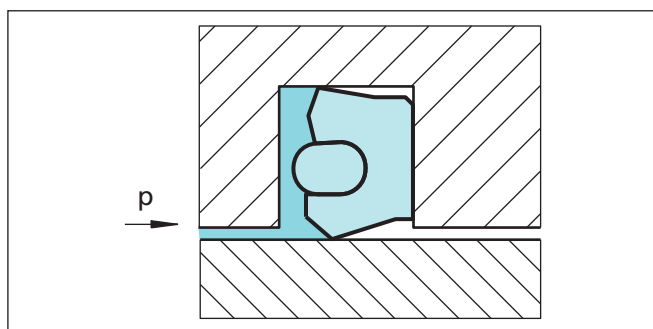


Figure 46 U-Cup, type RU6

Method of Operation

The sealing effect of the U-Cup RU6 comes from the intrinsic preload of the seal body and from the compression of the seal lip and the O-Ring during installation. In operation conditions, the radial contact forces are superimposed by the system pressure.

Due to the special design and the integrated O-Ring the RU6 U-Cups have an excellent sealing behavior with and without pressure activation. The short sealing lip gives better friction values compared to common U-Cups.

Advantages

- Very good low pressure sealability
- Simple installation
- Lower friction compared with common U-Cups
- Installation in ISO 7475/2 grooves
- Very low compression set due to O-Ring

Application Examples

- General hydraulic cylinders
- Injection molding machines
- Lift trucks
- Agricultural machines

Technical Data

| | |
|---------------------|--|
| Operating pressure: | Max. 25 MPa (as single element) |
| Speed: | Up to 0.5 m/s |
| Temperature: | Use in mineral oils: -35 °C to + 110 °C |
| Media: | Mineral oil-based hydraulic fluids. |

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.

Clearance

| Operating Pressure MPa max. | Radial Clearance S max. |
|--------------------------------|----------------------------|
| 16 | 0.60 |
| 25 | 0.50 |

The values for S max given in this table apply to all types for the low-pressure side of the U-Cup. They are designed for an operating temperature of 60 °C. (for harsh conditions and high side loads the gap must be reduced by 50%)

Material

The thermoplastic polyurethane material Zurcon® Z20 has a high abrasion resistance, a low compression set and exhibits a high resistance to clearance extrusion.

The integrated O-Ring is an NBR with 70 shore A and a very low compression set.

| | |
|-----------|--|
| U-Cup: | polyurethane 93 shore A material code Z20 |
| O-Ring: | NBR 70 Shore A material code N |
| Set code: | Z20N |



Design and Installation Instructions

The different forms have different grooves, see Table XXXIII.

Surface roughness

| Parameter | Mating Surface μm | Groove Surface μm |
|---------------------|---------------------------------|---------------------------------|
| R_{max} | 1.00 - 4.00 | < 16.0 |
| $R_{z \text{ DIN}}$ | 0.63 - 2.50 | < 10.0 |
| R_a | 0.10 - 0.40 | < 1.6 |

The material contact area R_{mr} should be approx. 50 to 70%, determined at a cut depth $c = 0.25 \times R_{z'}$ relative to a reference line of C_{ref} . 5%.



■ Installation Recommendation

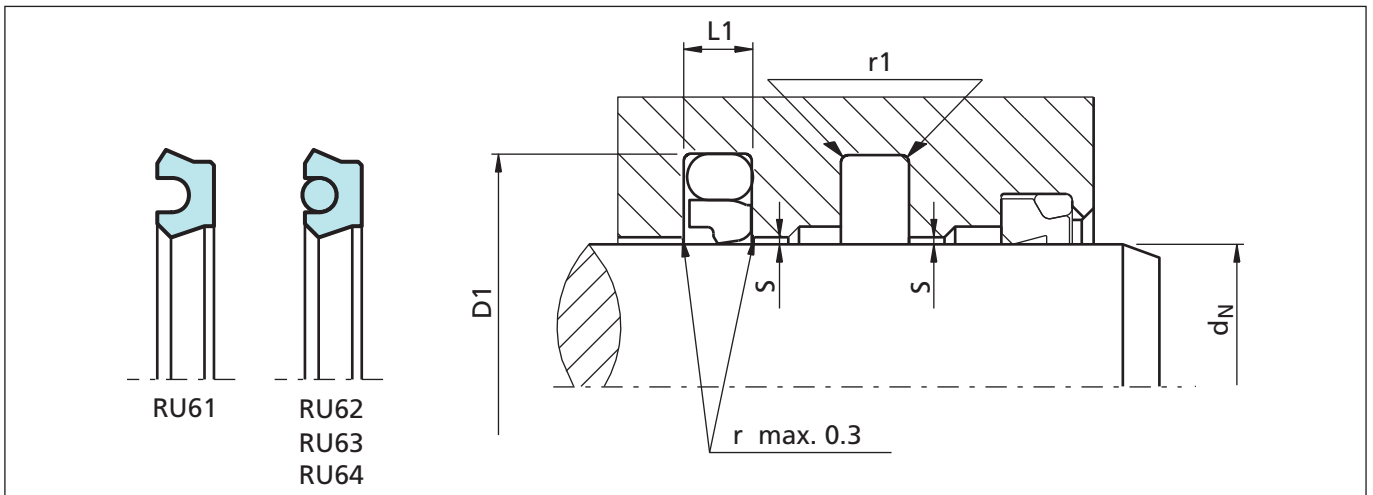


Figure 47 Installation drawing

Ordering example

U-Cup Type RU6
 Rod diameter: $d_N = 25.0$ mm
 Groove diameter: $D_1 = 36.0$ mm
 Groove width: $L = 4.2$ mm
 TSS Part No.: RU6200250 -
 Compound code seal: Z20 turquoise
 Compound code O-Ring: N
 Material set code: Z20N

| | | | | | |
|--------------------------|------|---|------|---|------|
| TSS Article No. | RU62 | 0 | 0250 | - | Z20N |
| TSS Series No. | | | | | |
| Type (Standard) | | | | | |
| Rod diameter x 10 | | | | | |
| Quality Index (Standard) | | | | | |
| Material set code | | | | | |

Table XXXIII Installation dimensions / TSS Part No.

| Open groove | Rod Diameter | Groove Diameter | Groove Width | Radius | TSS Part No. | O-Ring Size |
|-------------|--------------|-----------------|--------------|------------|------------------|---------------------|
| | d_N f8/h9 | D_1 H10 | $L +0.2$ | $r1$ | | |
| | 12.0 | 19.5 | 3.2 | 0.5 | RU6100120 | - |
| | 14.0 | 21.5 | 3.2 | 0.5 | RU6100140 | - |
| | 16.0 | 23.5 | 3.2 | 0.5 | RU6100160 | - |
| | 18.0 | 25.5 | 3.2 | 0.5 | RU6100180 | - |
| | 20.0 | 27.5 | 3.2 | 0.5 | RU6100200 | - |
| | 22.0 | 29.5 | 3.2 | 0.5 | RU6100220 | - |
| | 25.0 | 32.5 | 3.2 | 0.5 | RU6100250 | - |
| x | 28.0 | 39.0 | 4.2 | 0.5 | RU6200280 | 31.42 x 2.62 |
| x | 32.0 | 43.0 | 4.2 | 0.5 | RU6200320 | 36.17 x 2.62 |

Dimensions printed in **bold** type correspond to ISO/DIN 7425/2. Is also suitable for TSS Stepseal® groove.

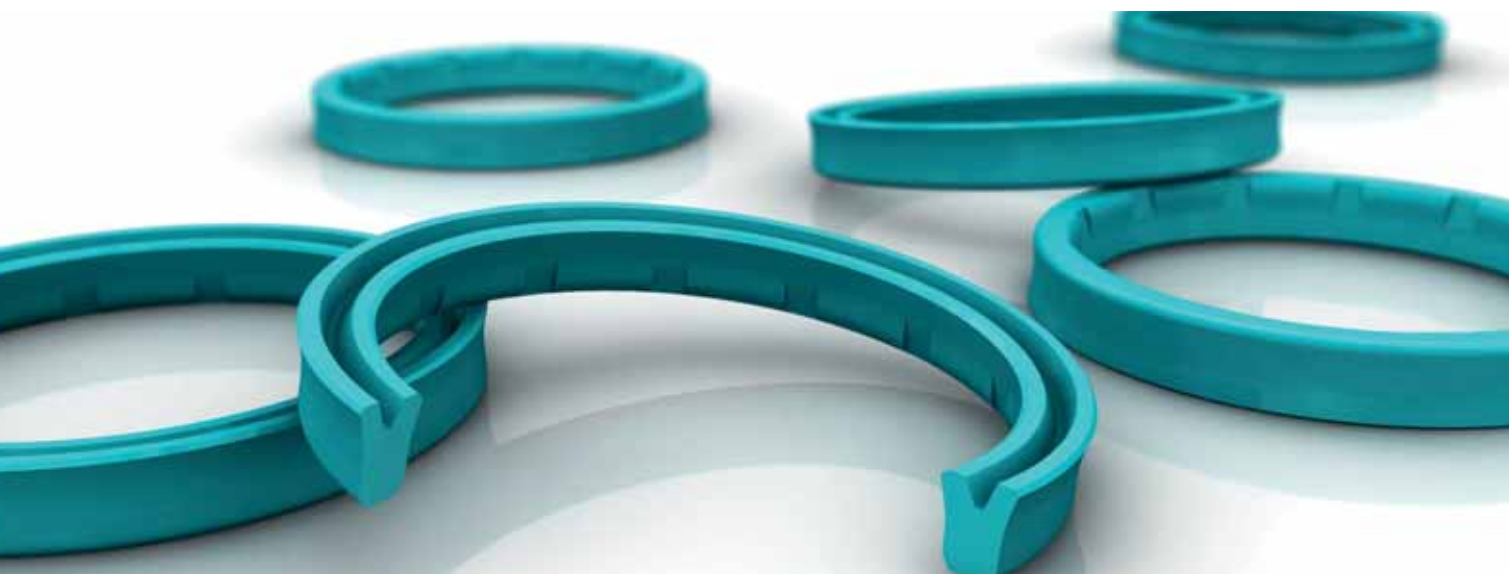


Zurcon® U-Cup RU6

| Open groove | Rod Diameter | Groove Diameter | Groove Width | Radius | TSS Part No. | O-Ring Size |
|-------------|--------------|-----------------|--------------|------------|------------------|----------------------|
| | d_N f8/h9 | D_1 H10 | $L +0.2$ | $r1$ | | |
| | 36.0 | 47.0 | 4.2 | 0.5 | RU6200360 | 39.34 x 2.62 |
| x | 40.0 | 51.0 | 4.2 | 0.5 | RU6200400 | 44.12 x 2.62 |
| x | 45.0 | 56.0 | 4.2 | 0.5 | RU6200450 | 48.90 x 2.62 |
| | 50.0 | 61.0 | 4.2 | 0.5 | RU6200500 | 53.64 x 2.62 |
| | 55.0 | 66.0 | 4.2 | 0.5 | RU6200550 | 58.42 x 2.62 |
| | 56.0 | 67.0 | 4.2 | 0.5 | RU6200560 | 59.99 x 2.62 |
| | 56.0 | 71.5 | 6.3 | 0.9 | RU6300560 | 59.92 x 3.53 |
| | 63.0 | 74.0 | 4.2 | 0.5 | RU6200630 | 66.34 x 2.62 |
| | 63.0 | 78.5 | 6.3 | 0.9 | RU6300630 | 66.27 x 3.53 |
| | 65.0 | 80.5 | 6.3 | 0.9 | RU6300650 | 69.44 x 3.53 |
| | 70.0 | 85.5 | 6.3 | 0.9 | RU6300700 | 75.79 x 3.53 |
| | 75.0 | 90.5 | 6.3 | 0.9 | RU6300750 | 82.14 x 3.53 |
| | 80.0 | 95.5 | 6.3 | 0.9 | RU6300800 | 85.32 x 3.53 |
| | 90.0 | 105.5 | 6.3 | 0.9 | RU6300900 | 94.84 x 3.53 |
| | 100.0 | 115.5 | 6.3 | 0.9 | RU6301000 | 104.37 x 3.53 |
| | 110.0 | 125.5 | 6.3 | 0.9 | RU6301100 | 113.89 x 3.53 |
| | 120.0 | 135.5 | 6.3 | 0.9 | RU6301200 | 126.59 x 3.53 |
| | 130.0 | 145.5 | 6.3 | 0.9 | RU6301300 | 136.12 x 3.53 |
| | 140.0 | 155.5 | 6.3 | 0.9 | RU6301400 | 145.64 x 3.53 |
| | 150.0 | 165.5 | 6.3 | 0.9 | RU6301500 | 158.34 x 3.53 |
| | 160.0 | 175.5 | 6.3 | 0.9 | RU6301600 | 164.69 x 3.53 |
| | 180.0 | 195.5 | 6.3 | 0.9 | RU6301800 | 183.74 x 3.53 |
| | 190.0 | 205.5 | 6.3 | 0.9 | RU6301900 | 196.44 x 3.53 |
| | 200.0 | 221.0 | 8.1 | 0.9 | RU6402000 | 208.92 x 5.33 |
| | 210.0 | 231.0 | 8.1 | 0.9 | RU6402100 | 221.62 x 5.33 |
| | 260.0 | 281.0 | 8.1 | 0.9 | RU6402600 | 266.07 x 5.33 |
| | 300.0 | 321.0 | 8.1 | 0.9 | RU6403000 | 329.57 x 5.33 |
| | 350.0 | 371.0 | 8.1 | 0.9 | RU6403500 | 354.97 x 5.33 |

Dimensions printed in **bold** type correspond to ISO/DIN 7425/2. Is also suitable for TSS Stepseal® groove.

Zurcon[®] U-Cup RU9



Single Acting U-Cup

New U-Cup Design

Material:
Zurcon[®]



■ Zurcon® U-Cup RU9



Introduction

Rod seals are particularly exposed to pressure and friction. A long service life is a specific requirement of piston rods. Features such as wear and extrusion resistance, media and temperature compatibility, low friction, compact installation dimensions and ease of assembly are also essential and require the introduction of new products and materials. It is against this background that we have developed the Zurcon® U-Cup RU9.

Description

Due to its special design, behind the dynamic seal lip, the Zurcon® U-Cup RU9 with its structure of slide segments interspersed by back-pumping channels features excellent back-pumping ability across the entire pressure range. The dynamic seal slide segments also have a micro-structure with excellent tribological and sealing characteristics. As well as increasing the sealing ability of the U-Cup RU9, this also ensures a constant lubrication film underneath the seal sliding surface, reducing breakaway force even after prolonged periods of rest and reduces dynamic friction force.

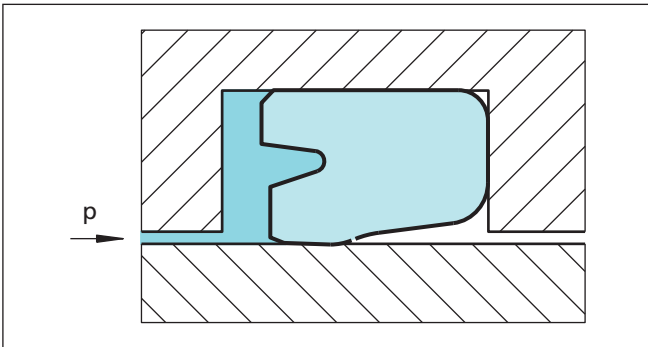
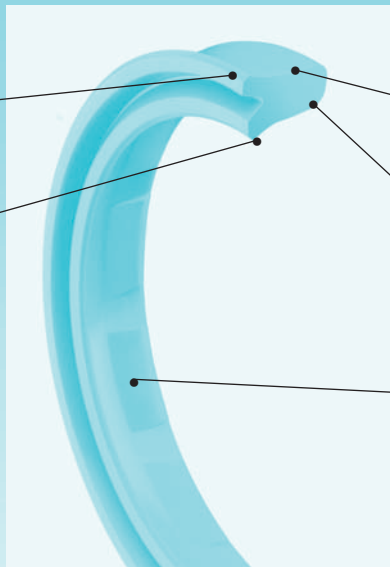


Figure 48 U-Cup, type RU9

■ **Characteristics**

Trimmed sealing lip
High interference
Excellent static tightness

Trimmed sealing lip
High dynamic and static tightness



Expansion free space to reduce friction at the dynamic surface

Expansion free space for increased extrusion resistance

Slide segment for increased backpumping ability
Reduced friction
Low heat generation



Friction

The friction force of U-Cups dramatically increases between 2.5 and 10 MPa. The Zurcon® U-Cup RU9 has a unique feature. As the system pressure increases, the contact surface between the U-Cup and the piston rod increases. Once a specific system pressure is reached, the seal deforms to such an extent that its entire friction-generating inside surface gets in contact with the piston rod. Due to the special design of Zurcon® U-Cup RU9 there is improved pressure distribution on the rod. The resulting tribological benefits restrict the increase in friction. When we compare the friction values of conventional U-Cups with those of the Zurcon® U-Cup RU9 the results are self-evident.

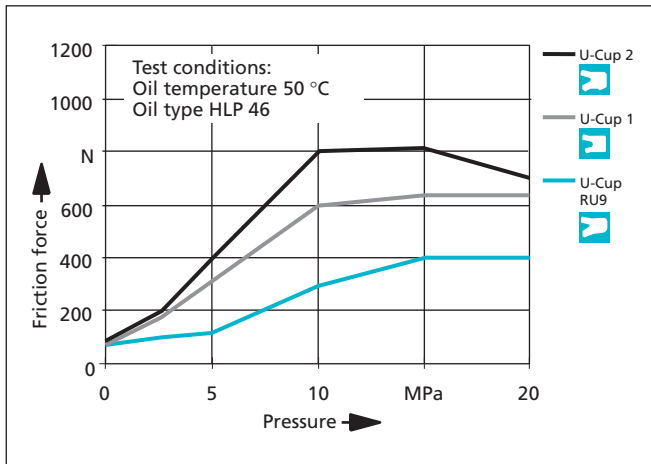


Figure 49 Friction dependent on pressure

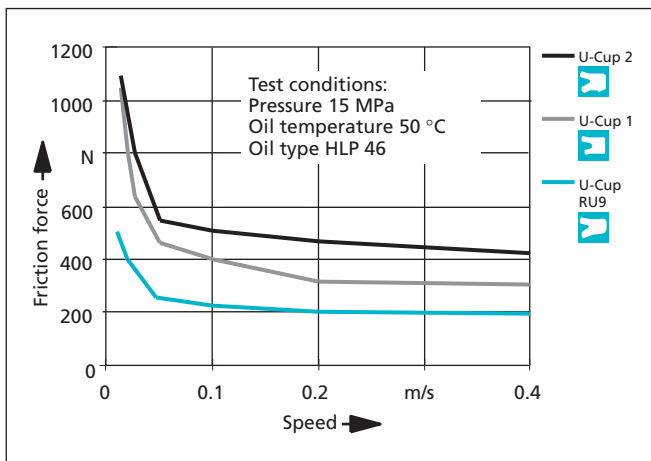


Figure 50 Friction dependent on speed

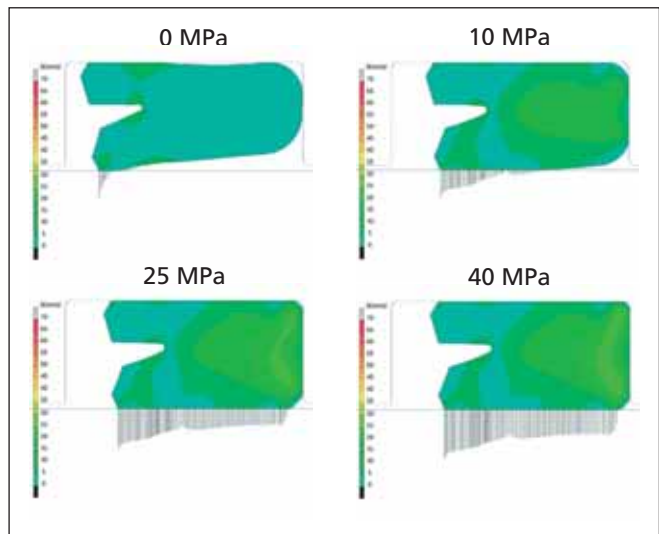


Figure 51 How the Zurcon® U-Cup RU9 performs underpressure

Sealing Performance

The high sealing performance is achieved by:

- Interference fit at the external diameter
- Special shape of both trimmed seal lips
- Controlled pressure distribution and hydrodynamic backpumping ability over a wide pressure range

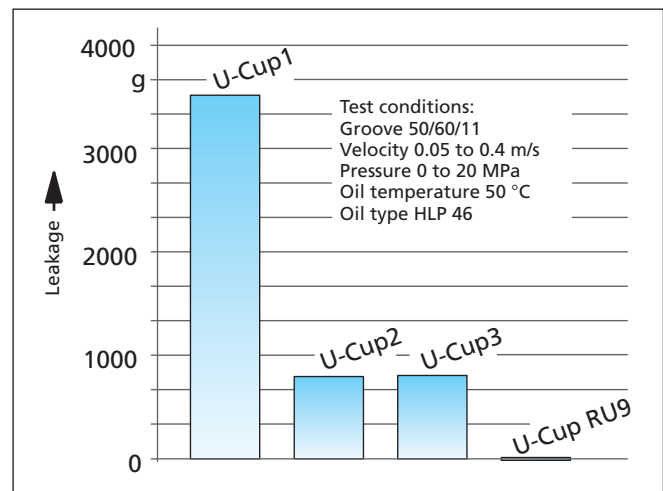


Figure 52 Leakage performance dependent on U-Cup type



Radial clearance

The new Zurcon® RU9 design combined with the special compound properties shows a better extrusion resistance compared to standard U-Cup under all working conditions. The hardware clearance can be increased significantly.

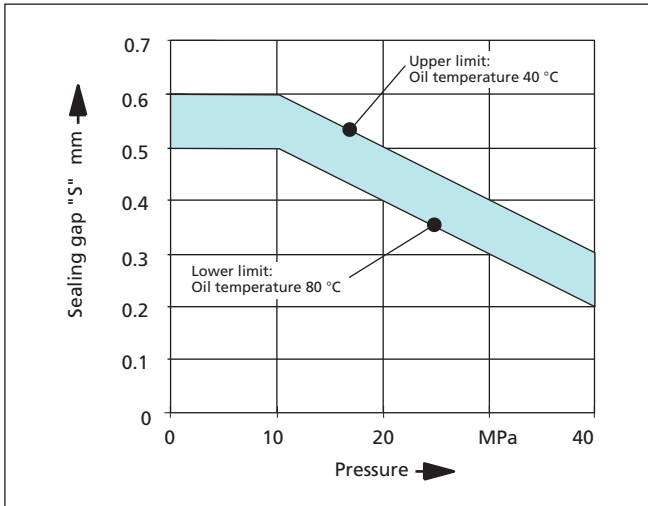


Figure 53 Radial clearance "S" as function of pressure

Advantages

- Lower friction than standard U-Cups
- Lower heat generation than standard U-Cups
- High extrusion resistance
- Excellent dynamic and static sealing
- Optimum environment protection
- Back pumping ability over the entire pressure range achieved by grooved profile
- Suitable with the Zurcon® Buffer Seal as secondary seal in "tandem design"
- Suitable for sealing systems with double scraper
- Seal stability within the groove

Application Examples

Zurcon® U-Cup RU9 can be used in all applications in which previously a conventional U-Cup was applied, such as:

- Hydraulic cylinders
- Construction machinery
- Fork lifts
- Truck cranes
- Telescopic cylinders
- Agricultural machines
- Machine tools
- Injection moulding machines
- Hydraulic presses
- Gas spring

In medium/heavy duty applications the preferred solution for tandem rod sealing systems is the combination with the Zurcon® Buffer Seal primary seal and Zurcon® U-Cup RU9 in conjunction with a double acting scraper.

Materials

Zurcon® Z20 Standard polyurethane 93 Shore A
Zurcon® Z22 Premium polyurethane 93 Shore A

Colour: Turquoise

The Zurcon® polyurethane has high abrasion resistance, a low compression set, high extrusion resistance and a wide temperature range.

Technical Data

Operating conditions:

Pressure: Up to 40 MPa

Velocity: Up to 0.5 m/s

Temperature:

Zurcon® Z20 Standard: -35 °C to +110 °C

Zurcon® Z22 Premium: -45 °C to +110 °C

Media:

Hydraulic fluids based on mineral oil: -35 °C to +110 °C

Synthetic and natural ester HEES, HETG: up to +60 °C

Flame-retardant hydraulic fluids HFA/HFB: up to +40 °C

Important Note:

The above stated limits for pressure and speed are maximum values individually. Friction heat generated by the combination of pressure and speed may cause local heat built-up. Care should be taken not to apply high values for pressure and speed at the same time.



Installation Recommendation

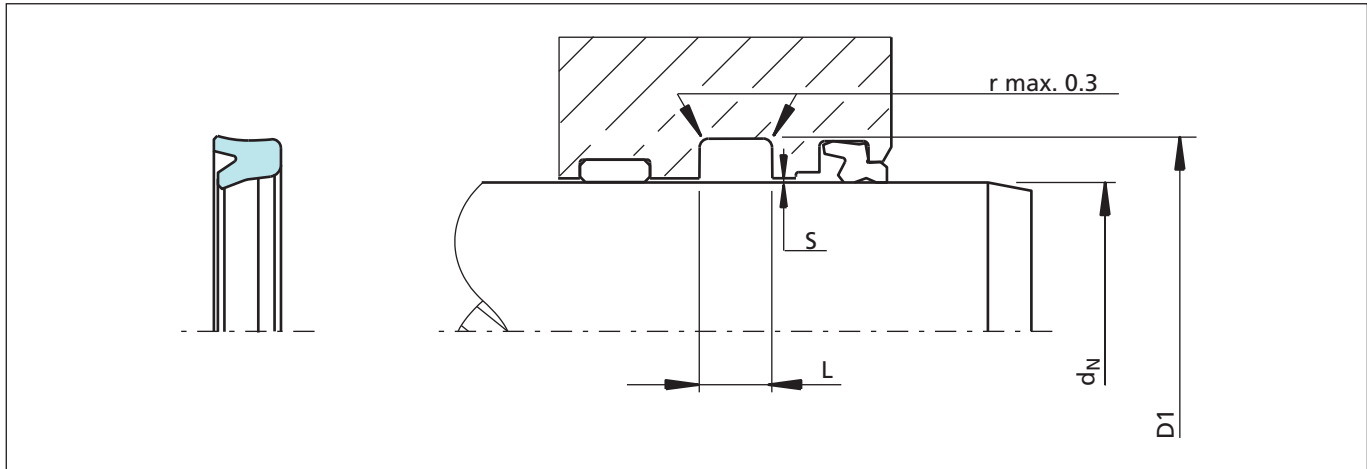


Figure 54 Installation drawing, Dimension "S" see Figure 53

Ordering Example (Metric)

Zurcon® U-Cup Type RU9

Rod diameter: $d_N = 20.0 \text{ mm}$
 Groove diameter: $D1 = 28.0 \text{ mm}$
 Groove width: $L = 6.3 \text{ mm}$
 TSS Part No.: RU9000200 -

Material

Standard Zurcon®: Z20
 Special polyurethane: 93 Shore A
 Colour: turquoise

| | | | | | |
|--------------------------|------|---|------|---|-----|
| TSS Article No. | RU90 | 0 | 0200 | - | Z20 |
| TSS Series No. | | | | | |
| Type (Standard) | | | | | |
| Rod diameter x 10 | | | | | |
| Quality Index (Standard) | | | | | |
| Material code | | | | | |

Table XXXIV Preferred Series / TSS Article No.

| Rod Diameter | Groove Diameter | Groove Width | TSS Article No. |
|--------------|-----------------|--------------|----------------------|
| d_N f8/h9 | D1 H10 | L + 0.25 | |
| 6.0 | 14.0 | 6.3 | RU9000060-Z20 |
| 8.0 | 16.0 | 6.3 | RU9000080-Z20 |
| 12.0 | 19.0 | 6.0 | RU9000120-Z20 |
| 16.0 | 22.0 | 6.0 | RU9100160-Z20 |
| 16.0 | 24.0 | 6.3 | RU9000160-Z20 |
| 18.0 | 26.0 | 6.3 | RU9000180-Z20 |
| 20.0 | 26.0 | 6.0 | RU9100200-Z20 |
| 20.0 | 28.0 | 6.3 | RU9000200-Z20 |
| 22.0 | 30.0 | 6.3 | RU9000220-Z20 |

Dimensions and TSS article numbers printed in bold according to ISO 5597



| Rod Diameter | Groove Diameter | Groove Width | TSS Article No. |
|--------------|-----------------|--------------|----------------------|
| d_N f8/h9 | D1 H10 | L + 0.25 | |
| 22.0 | 32.0 | 8.0 | RU9100220-Z20 |
| 25.0 | 33.0 | 6.3 | RU9000250-Z20 |
| 28.0 | 36.0 | 6.3 | RU9000280-Z20 |
| 28.0 | 38.0 | 8.0 | RU9100280-Z20 |
| 30.0 | 40.0 | 11.0 | RU9000300-Z20 |
| 32.0 | 42.0 | 8.0 | RU9000320-Z20 |
| 35.0 | 45.0 | 8.0 | RU9000350-Z20 |
| 36.0 | 44.0 | 6.3 | RU9100360-Z20 |
| 36.0 | 44.0 | 9.0 | RU9000360-Z20 |
| 36.0 | 46.0 | 8.0 | RU9200360-Z20 |
| 40.0 | 50.0 | 8.0 | RU9000400-Z20 |
| 45.0 | 55.0 | 6.3 | RU9100450-Z20 |
| 45.0 | 55.0 | 8.0 | RU9000450-Z20 |
| 50.0 | 60.0 | 8.0 | RU9000500-Z20 |
| 50.0 | 65.0 | 12.5 | RU9100500-Z20 |
| 50.0 | 60.0 | 11.0 | RU9200500-Z20 |
| 55.0 | 65.0 | 8.0 | RU9000550-Z20 |
| 56.0 | 71.0 | 12.5 | RU9000560-Z20 |
| 60.0 | 68.0 | 7.0 | RU9100600-Z20 |
| 60.0 | 75.0 | 12.5 | RU9000600-Z20 |
| 63.0 | 78.0 | 12.5 | RU9000630-Z20 |
| 65.0 | 75.0 | 8.0 | RU9000650-Z20 |
| 70.0 | 85.0 | 12.5 | RU9000700-Z20 |
| 75.0 | 83.0 | 7.0 | RU9000750-Z20 |
| 80.0 | 95.0 | 12.5 | RU9100800-Z20 |
| 90.0 | 100.0 | 7.5 | RU9100900-Z20 |
| 90.0 | 105.0 | 12.5 | RU9000900-Z20 |
| 95.0 | 115.0 | 13.0 | RU9000950-Z20 |
| 100.0 | 120.0 | 16.0 | RU9001000-Z20 |
| 105.0 | 120.0 | 12.5 | RU9001050-Z20 |
| 110.0 | 120.0 | 11.0 | RU9101100-Z20 |
| 110.0 | 130.0 | 16.0 | RU9001100-Z20 |
| 115.0 | 125.0 | 11.0 | RU9001150-Z20 |
| 120.0 | 135.0 | 12.5 | RU9001200-Z20 |
| 125.0 | 145.0 | 16.0 | RU9001250-Z20 |
| 140.0 | 160.0 | 16.0 | RU9001400-Z20 |

Dimensions and TSS article numbers printed in bold according to ISO 5597



Zurcon® U-Cup RU9
