Turcon® Glyd Ring T®

Double Acting

Rubber Energized Plastic Faced Seal

Material:
Turcon® and Zurcon®

■ Turcon® Glyd Ring® T

Description

Turcon® Glyd Ring® T is a further technical development of the Turcon® Glyd Ring® seal which has been successfully used for decades. It is fully interchangeable with the earlier Glyd Ring® seals in all new applications. Glyd Ring® T meets all the market demands for a function-specific seal solution, observing economic and ecological aspects.

The benefits of the patented seal concept are provided by the innovative functional principle of the trapezoidal profile cross-section.

* Patent-No.:

DE	41 40833 C3
EP	0 582 593
Japan	2 799 367
USA	5,433,452

Both lateral profile flanks are inclined so that the seal profile tapers towards the seal surface. The profile can thus retain the robust and compact form typical of piston seals without losing any of the flexibility required to achieve a pressure-related maximum compression (Figure 68).

The edge angle created by the special Glyd Ring® T cross-sectional form permits an additional degree of freedom and enables a slight tilting movement of the seal. The maximum compression is thus always shifted towards the area of the seal edge directly exposed to the pressure. On the low-pressure edge of the seal, on the other hand, the Glyd Ring® T exhibits only zones with neutral strains without compressive or shearing loads, thus effectively reducing the danger of gap extrusion. The resulting benefits for the user can be seen in the following list.

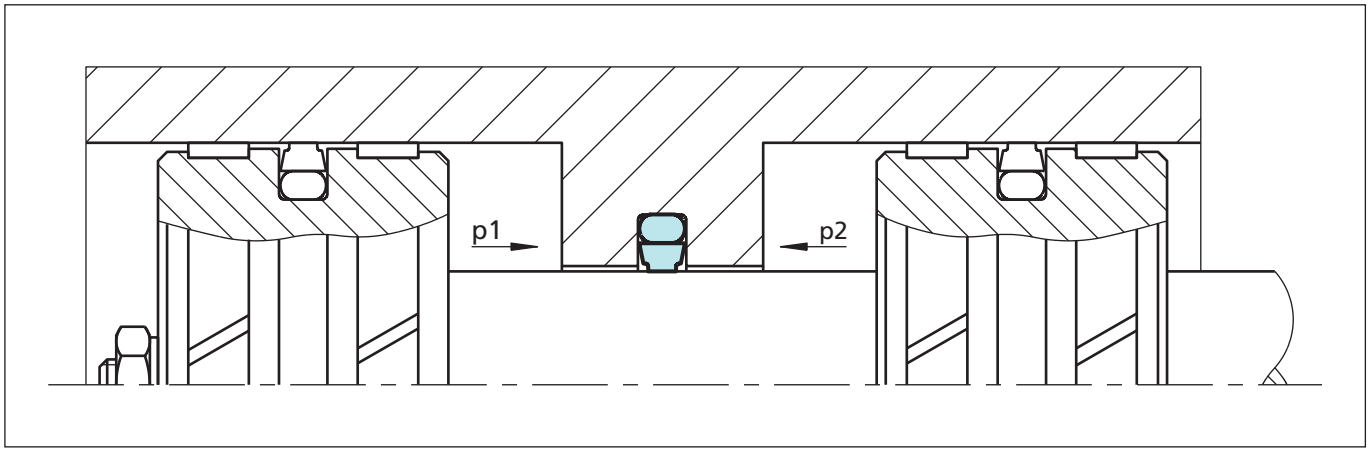

Figure 68 Turcon® Glyd Ring® T

Advantages

The benefits offered to date by Glyd Ring® are still retained in full, and are now complemented by a number of further important advantages:

- Very good static leak-tightness
- Increased clearance possible (approx. +50%), depending on the operating conditions
- Low friction, no stick-slip effect
- Simple groove design
- Installation grooves also to ISO 7425/2
- Available for all rod diameters up to 2,600 mm.

Application Examples

Turcon® Glyd Ring® T is the recommended sealing element for double acting inside sealing seal for hydraulic components such as:

- Injection moulding machines
- Machine tools
- Presses
- Handling machinery
- Servo equipment
- Agriculture
- Valves.

It is particularly recommended for heavy duty and large diameter applications.

Technical Data

Operating pressure:	Up to 60 MPa
Speed:	Up to 15 m/s
Temperature:	-45 °C to +200 °C (depending on O-Ring material)
Media:	Mineral oil-based hydraulic fluids, flame retardant hydraulic fluids, environmentally safe hydraulic fluids (bio-oils), phosphate ester, water, air and others, depending on the O-Ring material compatibility (see Table XLVI)
Clearance:	The maximum permissible radial clearance S_{max} is shown in Table XLVII as a function of the operating pressure and functional diameter.

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

The following material combinations have proven effective for hydraulic applications:

All round material for hydraulic applications with reciprocating, short stroke or helical movements in mineral oils, flame retardant hydraulic fluids HFC, phosphate ester, bio-oils or fluids having less satisfactory lubricating properties:

Turcon® Glyd Ring® T:	Turcon® M12	
O-Ring:	NBR, 70 Shore A	N
	FKM, 70 Shore A	V
Set code:	M12N or M12V	

For medium to heavy applications with reciprocating movements in mineral oils and other media with good lubrication:

Turcon® Glyd Ring® T:	Turcon® T46	
O-Ring:	NBR, 70 Shore A	N
	FKM, 70 Shore A	V
Set code:	T46N or T46V	

For specific applications, other viable material combinations are listed in Table Table XLVI.

Series

Different cross-section sizes are recommended as a function of the seal diameters.

Table Table XLVII, shows the relationship between the series number according to the seal diameter range and the different application class sizes. These application classes are:

Standard application:	General applications in which no exceptional operating conditions exist.
Light application:	Applications with demands for reduced friction or for smaller grooves.
Heavy-duty application:	For exceptional operating loads such as high pressures, pressure peaks, etc.

Table XLV Available range

Series No.	Rod Diameter d_N f8/h9
RT00	2.0 - 130.0
RT01	4.0 - 240.0
RT02	6.0 - 450.0
RT03	12.0 - 650.0
RT04	38.0 - 650.0
RT08	200.0 - 999.9
RT05	256.0 - 999.9
RT05X	1000.0 - 1200.0
RT06	650.0 - 999.9
RT06X	1000.0 - 2600.0

For the recommended range see Table Table XLVII.

Table XLVI Turcon® and Zurcon® Materials for Glyd Ring® T

Material, Applications, Properties	Code	O–Ring Material Shore A	Code	O-Ring Operating Temp.*°C	Mating Surface Material	MPa max. Dyna-mic
Turcon® M12 First material choice for seals in linear motion Overall improved properties For new constructions and updating For all commonly applied hydraulic fluids including fluids with low lubrication performance Lowest friction and best sliding properties Lowest wear on seals Improved absorption of abrasive contaminants No wear or abrasion of counter surface Colour: Dark grey	M12	NBR- 70	N	-30 to +100	Steel Steel hardened Steel chrome plated (rod) Steel plated (rod) Cast iron Stainless steel Titanium	50
		NBR- 70 Low temp.	T	-45 to +80		
		FKM- 70	V	-10 to +200		
Turcon® T40 For lubricating and non-lubricating fluids **Water hydraulics** Surface texture is not suitable for gas sealing Carbon fibre filled Colour: Grey.	T40	NBR- 70	N	-30 to +100	Steel Steel hardened Steel chrome plated (rod) Cast iron Stainless steel Aluminium	25
		NBR- 70 Low temp.	T	-45 to +80		
		FKM- 70	V	-10 to +200		
		EPDM- 70	E**	-45 to +145		
Turcon® T46 For lubricated hydraulics in linear motion High compressive strength High extrusion resistance Very good sliding and wear properties BAM tested Bronze filled Colour: Light to dark brown, which may have variations in shading.	T46	NBR- 70	N	-30 to +100	Steel hardened Steel chrome plated (rod) Cast iron	50
		NBR- 70 Low temp.	T	-45 to +80		
		FKM- 70	V	-10 to +200		
Zurcon® Z51*** For mineral oil based fluids **Very high abrasion and extrusion resistance** For counter surface with rougher surface finish Hard to install Limited chemical resistance Max. working temperature 110 °C Cast polyurethane Colour: Yellow to light-brown.	Z51	NBR- 70	N	-30 to +100	Steel Steel hardened Steel chrome plated (rod) Cast iron Stainless steel Ceramic coating	60
		NBR- 70 Low temp.	T	-45 to +80		
Zurcon® Z80 For lubricating and non-lubricating fluids Water based fluids, air and gases Dry air pneumatics High abrasion and extrusion resistance For service in abrasive conditions and media with particles Good chemical resistance Limited temperature capability (-60 to +80 °C) UHMWPE (Ultra High Molecular Weight Polyethylene) Colour: White to off-white.	Z80	NBR- 70	N	-30 to (+100)	Steel Steel hardened Steel chrome plated (rod) Stainless steel Aluminium Ceramic coating	35
		NBR- 70 Low temp.	T	-45 to +80		
		EPDM- 70	E**	-45 to(+145)		

* The O-Ring Operation Temperature is only valid in mineral hydraulic oil (except EPDM). ** Material not suitable for mineral oils.
*** Max. ø 2200 BAM: Tested by "Bundesanstalt Materialprüfung, Germany". Highlighted materials are standard.

■ Installation Recommendation

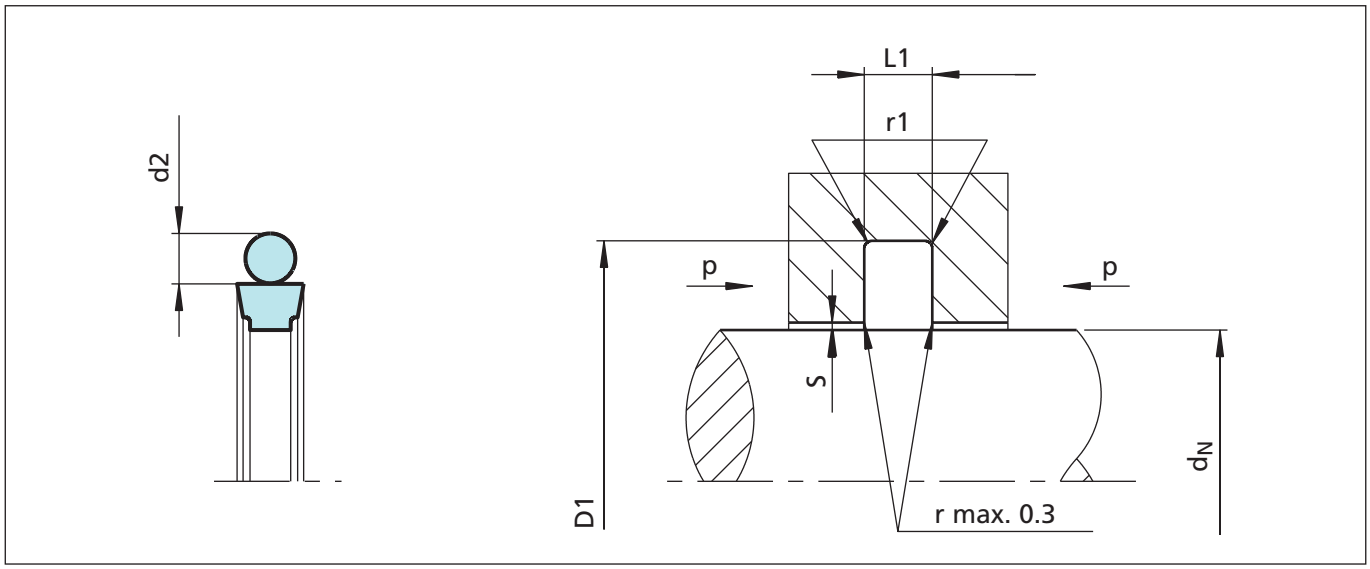

Figure 69 Installation drawing

Table XLVII Installation dimensions – Standard recommendations

Series No.	Rod Diameter d_N f8/h9			Groove Diameter*	Groove Width	Radius	Radial Clearance S max. **			O-Ring Cross-Section
	Standard Application	Light Application	Heavy Duty Application	D_1 H9	L_1 +0.2	r_1	10 MPa	20 MPa	40 MPa	d_2
RT00	3 - 7.9	8 - 18.9	-	d_N + 4.9	2.2	0.4	0.40	0.30	0.20	1.78
RT01	8 - 18.9	19 - 37.9	-	d_N + 7.3	3.2	0.6	0.60	0.50	0.30	2.62
RT02	19 - 37.9	38 - 199.9	8 - 18.9	d_N + 10.7	4.2	1.0	0.70	0.50	0.30	3.53
RT03	38 - 199.9	200 - 255.9	19 - 37.9	d_N + 15.1	6.3	1.3	0.80	0.60	0.40	5.33
RT04	200 - 255.9	256 - 649.9	38 - 199.9	d_N + 20.5	8.1	1.8	0.80	0.60	0.40	7.00
RT08	256 - 649.9	650 - 999.9	200 - 255.9	d_N + 24.0	8.1	1.8	0.90	0.70	0.50	7.00
RT05	650 - 999.9	≥ 1000	256 - 649.9	d_N + 27.3	9.5	2.5	1.00	0.80	0.60	8.40
RT06***	≥ 1000	-	650 - 999.9	d_N + 38.0	13.8	3.0	1.20	0.90	0.70	12.00

* Installation with groove dimensions to ISO 7425/2 is also recommendable.
** At pressures **> 40 MPa** use diameter tolerance H8/f8 (bore/rod) in area of the seal or consult TSS for alternative material or profiles. TSS Slydring®/Wear Rings are not applicable at very small radial clearance; consult the Slydring® catalog.
*** O-Rings with 12 mm cross section are delivered as special profilring.

Ordering Example

Turcon® Glyd Ring® T, complete with O-Ring, standard application, Series RT03 (from Table XLVII).

Rod diameter: d_N = 80.0 mm
TSS Part No.: RT0300800 (from Table XLVIII)

Select the material from Table XLVI. The corresponding code numbers are appended to the TSS Part No. (from Table XLVIII).
Together these form the TSS Article Number. The TSS Article Number for all intermediate sizes not shown in Table XLVIII can be determined following the example below.

**** For diameters ≥ 1000.0 mm multiply only by factor 1.
Example: RT06 for diameter 1200.0 mm.
TSS Article No.: RT06**X1200** - M12N.

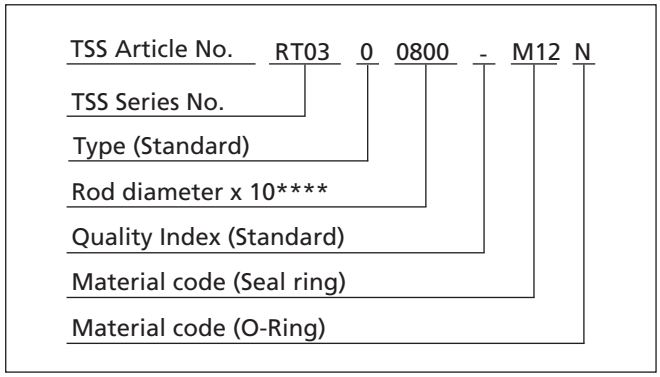

Table XLVIII Installation dimensions / TSS Part No.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
3.0	7.9	2.2	RT0000030	4.47 x 1.78
4.0	**8.9**	**2.2**	**RT0000040**	**5.6 x 1.8**
5.0	**9.9**	**2.2**	**RT0000050**	**6.7 x 1.8**
6.0	**10.9**	**2.2**	**RT0000060**	**7.65 x 1.78**
7.0	11.9	2.2	RT0000070	8.75 x 1.8
8.0	**12.9**	**2.2**	**RT0000080**	**9.5 x 1.8**
8.0	**15.3**	**3.2**	**RT0100080**	**10.77 x 2.62**
10.0	**14.9**	**2.2**	**RT0000100**	**11.8 x 1.8**
10.0	**17.3**	**3.2**	**RT0100100**	**12.37 x 2.62**
12.0	**16.9**	**2.2**	**RT0000120**	**14.0 x 1.78**
12.0	**19.3**	**3.2**	**RT0100120**	**13.94 x 2.62**
14.0	**18.9**	**2.2**	**RT0000140**	**15.6 x 1.78**
14.0	**21.3**	**3.2**	RT0100140	**17.12 x 2.62**
15.0	19.9	2.2	RT0000150	17.17 x 1.78
15.0	22.3	3.2	RT0100150	17.12 x 2.62
16.0	20.9	2.2	RT0000160	17.17 x 1.78
16.0	23.3	3.2	RT0100160	18.72 x 2.62
18.0	22.9	2.2	RT0000180	20.35 x 1.78
18.0	**25.3**	**3.2**	**RT0100180**	**20.29 x 2.62**
19.0	29.7	4.2	RT0200190	23.39 x 3.53
20.0	**27.3**	**3.2**	**RT0100200**	**21.89 x 2.62**

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
20.0	**30.7**	**4.2**	**RT0200200**	**25.0 x 3.53**
22.0	**29.3**	**3.2**	**RT0100220**	**25.07 x 2.62**
22.0	**32.7**	**4.2**	**RT0200220**	**26.57 x 3.53**
24.0	31.3	3.2	RT0100240	26.64 x 2.62
25.0	**32.3**	**3.2**	**RT0100250**	**28.24 x 2.62**
25.0	**35.7**	**4.2**	**RT0200250**	**29.74 x 3.53**
25.4	32.7	3.2	RT0100254	28.24 x 2.62
25.4	36.1	4.2	RT0200254	29.74 x 3.53
26.0	33.3	3.2	RT0100260	28.24 x 2.62
26.0	36.7	4.2	RT0200260	29.74 x 3.53
27.0	34.3	3.2	RT0100270	29.82 x 2.62
28.0	35.3	3.2	RT0100280	29.82 x 2.62
28.0	**38.7**	**4.2**	**RT0200280**	**32.92 x 3.53**
28.575	35.875	3.2	RT0100286	31.42 x 2.62
29.0	36.3	3.2	RT0100290	31.42 x 2.62
30.0	37.3	3.2	RT0100300	32.99 x 2.62
30.0	40.7	4.2	RT0200300	34.52 x 3.53
32.0	39.3	3.2	RT0100320	34.59 x 2.62
32.0	**42.7**	**4.2**	**RT0200320**	**36.09 x 3.53**
35.0	42.3	3.2	RT0100350	37.77 x 2.62
35.0	45.7	4.2	RT0200350	37.69 x 3.53
36.0	43.3	3.2	RT0100360	39.34 x 2.62
36.0	**46.7**	**4.2**	**RT0200360**	**40.87 x 3.53**
38.0	48.7	4.2	RT0200380	40.87 x 3.53
38.0	53.1	6.3	RT0300380	43.82 x 5.33
39.0	49.7	4.2	RT0200390	44.04 x 3.53
40.0	**50.7**	**4.2**	**RT0200400**	**44.04 x 3.53**
40.0	**55.1**	**6.3**	**RT0300400**	**43.82 x 5.33**
42.0	52.7	4.2	RT0200420	47.22 x 3.53
42.0	57.1	6.3	RT0300420	46.99 x 5.33
44.0	54.7	4.2	RT0200440	47.22 x 3.53
44.45	59.55	6.3	RT0300444	50.17 x 5.33
45.0	**55.7**	**4.2**	**RT0200450**	**50.39 x 3.53**
45.0	**60.1**	**6.3**	**RT0300450**	**50.17 x 5.33**
48.0	58.7	4.2	RT0200480	53.57 x 3.53
48.0	63.1	6.3	RT0300480	53.34 x 5.33

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
50.0	**60.7**	**4.2**	**RT0200500**	**53.57 x 3.53**
50.0	**65.1**	**6.3**	**RT0300500**	**56.52 x 5.33**
50.8	61.5	4.2	RT0200508	53.57 x 3.53
50.8	65.9	6.3	RT0300508	56.52 x 5.33
52.0	62.7	4.2	RT0200520	56.74 x 3.53
52.0	67.1	6.3	RT0300520	56.52 x 5.33
54.0	69.1	6.3	RT0300540	59.69 x 5.33
55.0	65.7	4.2	RT0200550	59.92 x 3.53
55.0	70.1	6.3	RT0300550	59.69 x 5.33
56.0	**66.7**	**4.2**	**RT0200560**	**59.92 x 3.53**
56.0	**71.1**	**6.3**	**RT0300560**	**62.87 x 5.33**
58.0	73.1	6.3	RT0300580	62.87 x 5.33
60.0	70.7	4.2	RT0200600	63.09 x 3.53
60.0	75.1	6.3	RT0300600	66.04 x 5.33
63.0	**73.7**	**4.2**	**RT0200630**	**66.27 x 3.53**
63.0	**78.1**	**6.3**	**RT0300630**	**69.22 x 5.33**
65.0	80.1	6.3	RT0300650	69.22 x 5.33
67.0	77.7	4.2	RT0200670	72.62 x 3.53
70.0	80.7	4.2	RT0200700	75.79 x 3.53
70.0	**85.1**	**6.3**	**RT0300700**	**75.57 x 5.33**
72.0	82.7	4.2	RT0200720	75.79 x 3.53
75.0	85.7	4.2	RT0200750	78.97 x 3.53
75.0	90.1	6.3	RT0300750	81.92 x 5.33
80.0	90.7	4.2	RT0200800	85.32 x 3.53
80.0	**95.1**	**6.3**	**RT0300800**	**85.09 x 5.33**
83.0	93.7	4.2	RT0200830	88.49 x 3.53
85.0	100.1	6.3	RT0300850	91.44 x 5.33
86.0	96.7	4.2	RT0200860	91.67 x 3.53
90.0	100.7	4.2	RT0200900	94.84 x 3.53
90.0	**105.1**	**6.3**	**RT0300900**	**94.62 x 5.33**
92.0	102.7	4.2	RT0200920	98.02 x 3.53
95.0	105.7	4.2	RT0200950	101.19 x 3.53
95.0	110.1	6.3	RT0300950	100.97 x 5.33
100.0	110.7	4.2	RT0201000	104.37 x 3.53
100.0	**115.1**	**6.3**	**RT0301000**	**107.32 x 5.33**
101.6	112.3	4.2	RT0201016	107.54 x 3.53

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
101.6	116.7	6.3	RT0301016	107.32 x 5.33
104.7	119.8	6.3	RT0301047	110.49 x 5.33
105.0	115.7	4.2	RT0201050	110.72 x 3.53
105.0	120.1	6.3	RT0301050	110.49 x 5.33
110.0	120.7	4.2	RT0201100	113.89 x 3.53
110.0	**125.1**	**6.3**	**RT0301100**	**116.84 x 5.33**
110.0	130.5	8.1	RT0401100	120.02 x 7.00
112.0	127.1	6.3	RT0301120	116.84 x 5.33
115.0	125.7	4.2	RT0201150	120.24 x 3.53
115.0	130.1	6.3	RT0301150	120.02 x 5.33
118.0	133.1	6.3	RT0301180	123.19 x 5.33
120.0	130.7	4.2	RT0201200	123.42 x 3.53
120.0	135.1	6.3	RT0301200	126.37 x 5.33
125.0	135.7	4.2	RT0201250	129.77 x 3.53
125.0	**140.1**	**6.3**	**RT0301250**	**129.54 x 5.33**
129.0	139.7	4.2	RT0201290	132.94 x 3.53
130.0	140.7	4.2	RT0201300	136.12 x 3.53
130.0	145.1	6.3	RT0301300	135.89 x 5.33
135.0	145.7	4.2	RT0201350	139.29 x 3.53
135.0	150.1	6.3	RT0301350	142.24 x 5.33
140.0	150.7	4.2	RT0201400	145.64 x 3.53
140.0	**155.1**	**6.3**	**RT0301400**	**145.42 x 5.33**
145.0	155.7	4.2	RT0201450	148.82 x 3.53
145.0	160.1	6.3	RT0301450	151.77 x 5.33
150.0	165.1	6.3	RT0301500	158.12 x 5.33
160.0	**175.1**	**6.3**	**RT0301600**	**164.47 x 5.33**
160.0	**180.5**	**8.1**	**RT0401600**	**170.82 x 7.00**
165.0	180.1	6.3	RT0301650	170.82 x 5.33
170.0	180.7	4.2	RT0201700	177.39 x 3.53
170.0	185.1	6.3	RT0301700	177.17 x 5.33
175.0	190.1	6.3	RT0301750	183.52 x 5.33
180.0	190.7	4.2	RT0201800	183.74 x 3.53
180.0	**195.1**	**6.3**	**RT0301800**	**183.52 x 5.33**
180.0	**200.5**	**8.1**	**RT0401800**	**189.87 x 7.00**
190.0	200.7	4.2	RT0201900	196.44 x 3.53
190.0	205.1	6.3	RT0301900	196.22 x 5.33

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
200.0	215.1	6.3	RT0302000	208.92 x 5.33
200.0	**220.5**	**8.1**	**RT0402000**	**208.90 x 7.00**
205.0	220.1	6.3	RT0302050	208.92 x 5.33
210.0	225.1	6.3	RT0302100	215.27 x 5.33
220.0	235.1	6.3	RT0302200	227.97 x 5.33
220.0	**240.5**	**8.1**	**RT0402200**	**227.97 x 7.00**
230.0	245.1	6.3	RT0302300	234.32 x 5.33
230.0	250.5	8.1	RT0402300	240.67 x 7.00
240.0	255.1	6.3	RT0302400	247.02 x 5.33
240.0	260.5	8.1	RT0402400	253.37 x 7.00
250.0	**270.5**	**8.1**	**RT0402500**	**266.07 x 7.00**
260.0	284.0	8.1	RT0802600	266.07 x 7.00
270.0	290.5	8.1	RT0402700	278.77 x 7.00
270.0	294.0	8.1	RT0802700	278.77 x 7.00
275.0	299.0	8.1	RT0802750	291.47 x 7.00
280.0	300.5	8.1	RT0402800	291.47 x 7.00
280.0	**304.0**	**8.1**	**RT0802800**	**291.47 x 7.00**
290.0	310.5	8.1	RT0402900	304.17 x 7.00
290.0	314.0	8.1	RT0802900	304.17 x 7.00
300.0	324.0	8.1	RT0803000	316.87 x 7.00
310.0	330.5	8.1	RT0403100	316.87 x 7.00
310.0	334.0	8.1	RT0803100	316.87 x 7.00
320.0	**344.0**	**8.1**	**RT0803200**	**329.57 x 7.00**
330.0	354.0	8.1	RT0803300	342.27 x 7.00
340.0	364.0	8.1	RT0803400	354.97 x 7.00
350.0	370.5	8.1	RT0403500	354.97 x 7.00
350.0	374.0	8.1	RT0803500	367.67 x 7.00
360.0	**384.0**	**8.1**	**RT0803600**	**367.67 x 7.00**
370.0	390.5	8.1	RT0403700	380.37 x 7.00
370.0	394.0	8.1	RT0803700	380.37 x 7.00
380.0	404.0	8.1	RT0803800	393.07 x 7.00
390.0	414.0	8.1	RT0803900	405.26 x 7.00
400.0	420.5	8.1	RT0404000	417.96 x 7.00
400.0	424.0	8.1	RT0804000	417.96 x 7.00
410.0	434.0	8.1	RT0804100	417.96 x 7.00
420.0	444.0	8.1	RT0804200	430.66 x 7.00

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
430.0	454.0	8.1	RT0804300	443.36 x 7.00
440.0	464.0	8.1	RT0804400	456.06 x 7.00
450.0	474.0	8.1	RT0804500	468.76 x 7.00
460.0	484.0	8.1	RT0804600	468.76 x 7.00
470.0	494.0	8.1	RT0804700	481.46 x 7.00
480.0	504.0	8.1	RT0804800	494.16 x 7.00
490.0	514.0	8.1	RT0804900	506.86 x 7.00
500.0	524.0	8.1	RT0805000	506.86 x 7.00
510.0	534.0	8.1	RT0805100	532.26 x 7.00
520.0	544.0	8.1	RT0805200	532.26 x 7.00
530.0	554.0	8.1	RT0805300	557.66 x 7.00
540.0	564.0	8.1	RT0805400	557.66 x 7.00
550.0	574.0	8.1	RT0805500	557.66 x 7.00
560.0	584.0	8.1	RT0805600	582.68 x 7.00
570.0	594.0	8.1	RT0805700	582.68 x 7.00
580.0	604.0	8.1	RT0805800	608.08 x 7.00
590.0	614.0	8.1	RT0805900	608.08 x 7.00
600.0	624.0	8.1	RT0806000	608.08 x 7.00
610.0	634.0	8.1	RT0806100	633.48 x 7.00
620.0	644.0	8.1	RT0806200	633.48 x 7.00
630.0	654.0	8.1	RT0806300	658.88 x 7.00
640.0	664.0	8.1	RT0806400	658.88 x 7.00
650.0	677.3	9.5	RT0506500	663 x 8.4
660.0	687.3	9.5	RT0506600	673 x 8.4
670.0	697.3	9.5	RT0506700	683 x 8.4
680.0	707.3	9.5	RT0506800	693 x 8.4
688.0	715.3	9.5	RT0506880	701 x 8.4
690.0	717.3	9.5	RT0506900	703 x 8.4
700.0	724.0	8.1	RT0807000	712 x 7.0
710.0	737.3	9.5	RT0507100	723 x 8.4
740.0	767.3	9.5	RT0507400	753 x 8.4
760.0	784.0	8.1	RT0807600	772 x 7.00
770.0	797.3	9.5	RT0507700	783 x 8.4
800.0	827.3	9.5	RT0508000	813 x 8.4
850.0	877.3	9.5	RT0508500	863 x 8.4
870.0	897.3	9.5	RT0508700	883 x 8.4

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.

Rod Diameter	Groove Diameter	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
900.0	927.3	9.5	RT0509000	913 x 8.4
910.0	937.3	9.5	RT0509100	923 x 8.4
950.0	977.3	9.5	RT0509500	963 x 8.4
960.0	987.3	9.5	RT0509600	973 x 8.4
1000.0	1027.3	9.5	RT05X1000	1013 x 8.4
1000.0	1038.0	13.8	RT06X1000	1016 x 12
1050.0	1077.3	9.5	RT05X1050	1063 x 8.4
1050.0	1088.0	13.8	RT06X1050	1066 x 12
1100.0	1138.0	13.8	RT06X1100	1116 x 12
1160.0	1187.3	9.5	RT05X1160	1173 x 8.4
1200.0	1227.3	9.5	RT05X1200	1213 x 8.4
1200.0	1238.0	13.8	RT06X1200	1216 x 12
1300.0	1338.0	13.8	RT06X1300	1316 x 12
1500.0	1538.0	13.8	RT06X1500	1516 x 12
1600.0	1638.0	13.8	RT06X1600	1616 x 12
2000.0	2038.0	13.8	RT06X2000	2016 x 12
2600.0	2638.0	13.8	RT06X2600	2616 x 12

The rod diameters in **bold** type are in accordance with the recommendations of ISO 3320.
Other dimensions and all intermediate sizes up to 2.600 mm diameter including imperial (inch) sizes can be supplied.
All O-Rings with 12 mm cross section are delivered as special profilring.