

Turcon® Glyd Ring® T



Double-acting

Rubber-energized plastic-faced seal

Material:

Turcon®, Zurcon® and Elastomer



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Turcon® Glyd Ring® T*



Description

Turcon® Glyd Ring® T is a further technical development of Turcon® Glyd Ring®. It is fully interchangeable with earlier Glyd Ring® seals in all new applications.

The main benefits of the patented seal are provided by the innovative functional principle of the trapezoidal profile cross section. The sides of 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 73.

The edge angle of Glyd Ring® T 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, 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 are as follows below.

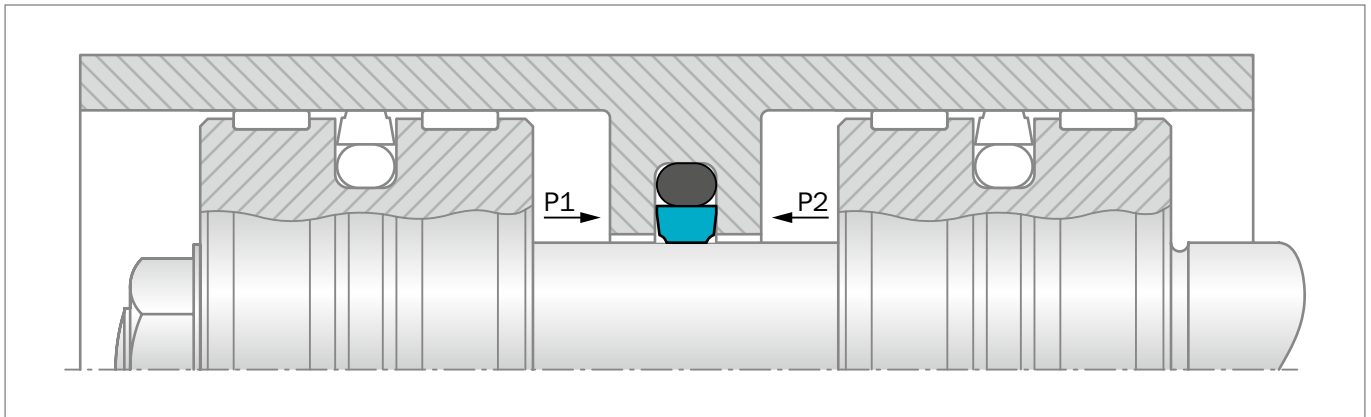


Figure 73: Turcon® Glyd Ring® T

ADVANTAGES

- Very good static sealing performance
- Increased clearance possible (approximately +50%), depending on the operating conditions
- Low friction, no stick-slip effect
- Simple groove design
- Fits standard Stepseal® groove dimensions as well as ISO 7425-2 seal housing
- Adaptable to the operating conditions due to a wide range of materials (Turcon®, Zurcon®)
- Suitable for environmentally friendly hydraulic fluids
- Available for all rod diameters up to 2,600 mm

APPLICATION EXAMPLES

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

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

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

* Patent application: WO 92/19893 A1



OPERATING CONDITIONS

Pressure:	Up to 60 MPa
Speed:	Up to 15 m/s
Frequency:	Up to 5 Hz.
Temperature:	-45 °C to +200 °C depending on O-Ring material
Media:	Mineral oil-based hydraulic fluids, flame retardant hydraulic fluids, environmentally friendly hydraulic fluids (bio-oils), phosphate ester, water, air and others, depending on the seal and O-Ring material compatibility see Table 53.
Clearance:	The maximum permissible radial clearance S_{max} is shown in Table 54 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 depends on media.

SERIES

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

Table 52 shows the relationship between the series number according to the seal diameter range and the different application class sizes.

Standard application:	General applications without exceptional operating conditions.
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 52: 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	1,000.0 - 1,200.0
RT06	650.0 - 999.9
RT06X	1,000.0 - 2,600.0

For the recommended Standard Application range see Table 54.

INSTALLATION INSTRUCTIONS

Glyd Ring® T is installed according to information on page 39 to 40.

Closed groove installation applies same dimensions as for Turcon® Stepseal® 2K in Table 6 page 40.

RECOMMENDED MATERIALS

The following material combinations have proven effective for hydraulic applications:

Turcon® Glyd Ring® T in Turcon® M12

All round material for light to heavy hydraulic applications with linear or helical movements in mineral oils, flame retardant hydraulic fluids, phosphate ester, bio-oils or fluids having low lubricating properties:

O-Ring:	NBR 70 Shore A	N
	FKM 70 Shore A	V

Set code: M12N or M12V

Turcon® Glyd Ring® T in Turcon® T46

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

O-Ring:	NBR 70 Shore A	N
	FKM 70 Shore A	V

Set code: T46N or T46V

For specific applications, all Turcon® materials are available. Other material combinations are listed in Table 53.

**Table 53: 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 Low wear or abrasion of counter surface BAM tested Mineral fiber an Additives filled Color: Dark gray	M12	NBR 70	N	-30 to +100	Steel	40
		NBR 70 Low temp.	T	-45 to +80	Steel hardened Steel chrome plated (rod)	
		FKM 70	V	-10 to +200	Steel plated (rod) Cast iron Stainless steel Titanium	
Turcon® T40 For lubricating and non-lubricating fluids Water hydraulics Surface texture is not suitable for gas sealing Carbon fiber filled Color: Gray	T40	NBR 70	N	-30 to +100	Steel	25
		NBR 70 Low temp.	T	-45 to +80	Steel hardened Steel chrome plated (rod)	
		FKM 70	V	-10 to +200	Cast iron	
		EPDM 70	E**	-45 to +145	Stainless steel Aluminum	
Turcon® T46 For lubricated hydraulics in linear motion High compressive strength High extrusion resistance Very good sliding and wear properties BAM tested Bronze filled Color: Light to dark brown, which may have variations in shading.	T46	NBR 70	N	-30 to +100	Steel hardened	50
		NBR 70 Low temp.	T	-45 to +80	Steel chrome plated (rod)	
		FKM 70	V	-10 to +200	Cast iron	
Zurcon® Z53*** 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 Color: Yellow to light-brown	Z53	NBR 70	N	-30 to +100	Steel	60
		NBR 70 Low temp.	T	-45 to +80	Steel hardened Steel chrome plated (rod) Cast iron Stainless steel Ceramic coating	

Table continues on next page



Material, Applications, Properties	Code	O-Ring Material Shore A	Code	O-Ring Operating Temp.* °C	Mating Surface Material	MPa max. Dyna- mic
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) Color: White to off-white	Z80	NBR 70	N	-30 to (+100)	Steel	35
		NBR 70 Low temp.	T	-45 to +80	Steel hardened Steel chrome plated (rod)	
		EPDM 70	E**	-45 to (+145)	Stainless steel Aluminum Ceramic coating	

* The O-Ring Operation Temperature is only valid in mineral hydraulic oil (except EPDM).

** Material not suitable for mineral oils.

*** Max. diameter 2,200 mm

BAM: Tested by "Bundesanstalt Materialprüfung, Germany"

 Highlighted materials are recommended.



■ Installation Recommendation

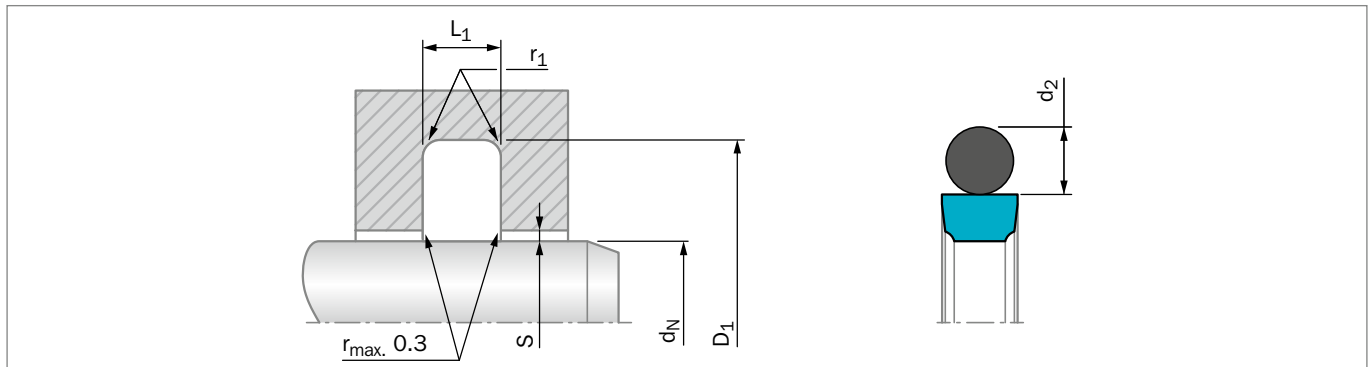


Figure 74: Installation Drawing

Table 54: 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 max	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	-	256 - 649.9	$d_N + 27.3$	9.5	2.5	1.00	0.80	0.60	8.40
RT05X	-	1,000 - 1,200	-	$d_N + 27.3$	9.5	2.5	1.00	0.80	0.60	8.40
RT06***	-	-	650 - 999.9	$d_N + 38.0$	13.8	3.0	1.20	0.90	0.70	12.00
RT06X***	1,000 - 2,600	-	-	$d_N + 38.0$	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 the area of the seal or consult your local Customer Solution Center for alternative material or profiles.

Slydring® / Wear Rings are not applicable at very small radial clearances please consult the Slydring® section in this catalog.

*** O-Rings with 12 mm cross section are delivered as special profile ring.

ORDERING EXAMPLE

Turcon® Glyd Ring® T complete with O-Ring, standard application:

Series:	RT03 from Table 54
Rod diameter:	$d_N = 80.0$ mm
TSS Part No.:	RT0300800 from Table 55

Select the material from Table 53. The corresponding code numbers are appended to the TSS Part No. Together these form the TSS Article Number. The TSS Article Number for all intermediate sizes can be determined by following the example.

TSS Article No. **RT03** **0** **0800** - **M12** **N**

Series No. _____

Type (Standard) _____

Rod Diameter x 10**** _____

Quality Index (Standard) _____

Material Code (Seal Ring) _____

Material Code (O-Ring) _____

**** For diameters $d_N \geq 1,000.0$ mm multiply only by factor 1.
 Example: RT06 for diameter $d_N = 1,200.0$ mm
 TSS Article No.: RT06**X1200** - M12N



Table 55: Installation Dimensions / TSS Part No.

Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size	Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2			d_N f8/h9	D_1 H9	L_1 +0.2		
3.0	7.9	2.2	RT0000030	4.80 x 1.80	35.0	42.3	3.2	RT0100350	37.77 x 2.62
4.0	8.9	2.2	RT0000040	5.60 x 1.80	35.0	45.7	4.2	RT0200350	37.69 x 3.53
5.0	9.9	2.2	RT0000050	6.70 x 1.80	36.0	43.3	3.2	RT0100360	39.34 x 2.62
6.0	10.9	2.2	RT0000060	7.65 x 1.78	36.0	46.7	4.2	RT0200360	40.87 x 3.53
7.0	11.9	2.2	RT0000070	8.75 x 1.80	38.0	48.7	4.2	RT0200380	40.87 x 3.53
8.0	12.9	2.2	RT0000080	9.50 x 1.80	38.0	53.1	6.3	RT0300380	43.82 x 5.33
8.0	15.3	3.2	RT0100080	10.77 x 2.62	39.0	49.7	4.2	RT0200390	44.04 x 3.53
10.0	14.9	2.2	RT0000100	11.80 x 1.80	40.0	50.7	4.2	RT0200400	44.04 x 3.53
10.0	17.3	3.2	RT0100100	12.37 x 2.62	40.0	55.1	6.3	RT0300400	43.82 x 5.33
12.0	16.9	2.2	RT0000120	14.00 x 1.78	42.0	52.7	4.2	RT0200420	47.22 x 3.53
12.0	19.3	3.2	RT0100120	14.50 x 2.65	42.0	57.1	6.3	RT0300420	46.99 x 5.33
14.0	18.9	2.2	RT0000140	15.60 x 1.78	44.0	54.7	4.2	RT0200440	47.22 x 3.53
14.0	21.3	3.2	RT0100140	17.12 x 2.62	44.4	59.5	6.3	RT0300444	50.17 x 5.33
15.0	19.9	2.2	RT0000150	17.17 x 1.78	45.0	55.7	4.2	RT0200450	50.39 x 3.53
15.0	22.3	3.2	RT0100150	18.00 x 2.65	45.0	60.1	6.3	RT0300450	50.17 x 5.33
16.0	20.9	2.2	RT0000160	17.17 x 1.78	48.0	58.7	4.2	RT0200480	53.57 x 3.53
16.0	23.3	3.2	RT0100160	18.72 x 2.62	48.0	63.1	6.3	RT0300480	53.34 x 5.33
18.0	22.9	2.2	RT0000180	20.35 x 1.78	50.0	60.7	4.2	RT0200500	53.57 x 3.53
18.0	25.3	3.2	RT0100180	20.29 x 2.62	50.0	65.1	6.3	RT0300500	56.52 x 5.33
19.0	29.7	4.2	RT0200190	23.40 x 3.53	50.8	61.5	4.2	RT0200508	53.57 x 3.53
20.0	27.3	3.2	RT0100200	21.89 x 2.62	50.8	65.9	6.3	RT0300508	56.52 x 5.33
20.0	30.7	4.2	RT0200200	25.00 x 3.53	52.0	62.7	4.2	RT0200520	56.74 x 3.53
22.0	29.3	3.2	RT0100220	25.07 x 2.62	52.0	67.1	6.3	RT0300520	56.52 x 5.33
22.0	32.7	4.2	RT0200220	26.58 x 3.53	54.0	69.1	6.3	RT0300540	59.69 x 5.33
24.0	31.3	3.2	RT0100240	26.64 x 2.62	55.0	65.7	4.2	RT0200550	59.92 x 3.53
25.0	32.3	3.2	RT0100250	28.24 x 2.62	55.0	70.1	6.3	RT0300550	59.69 x 5.33
25.0	35.7	4.2	RT0200250	29.75 x 3.53	56.0	66.7	4.2	RT0200560	59.92 x 3.53
25.4	32.7	3.2	RT0100254	28.24 x 2.62	56.0	71.1	6.3	RT0300560	62.87 x 5.33
25.4	36.1	4.2	RT0200254	29.75 x 3.53	58.0	73.1	6.3	RT0300580	62.87 x 5.33
26.0	33.3	3.2	RT0100260	28.24 x 2.62	60.0	70.7	4.2	RT0200600	63.09 x 3.53
26.0	36.7	4.2	RT0200260	29.75 x 3.53	60.0	75.1	6.3	RT0300600	66.04 x 5.33
27.0	34.3	3.2	RT0100270	29.82 x 2.62	63.0	73.7	4.2	RT0200630	66.27 x 3.53
28.0	35.3	3.2	RT0100280	29.82 x 2.62	63.0	78.1	6.3	RT0300630	69.22 x 5.33
28.0	38.7	4.2	RT0200280	32.92 x 3.53	65.0	80.1	6.3	RT0300650	69.22 x 5.33
28.575	35.875	3.2	RT0100286	31.42 x 2.62	67.0	77.7	4.2	RT0200670	72.62 x 3.53
29.0	36.3	3.2	RT0100290	31.42 x 2.62	70.0	80.7	4.2	RT0200700	75.79 x 3.53
30.0	37.3	3.2	RT0100300	32.99 x 2.62	70.0	85.1	6.3	RT0300700	75.57 x 5.33
30.0	40.7	4.2	RT0200300	34.52 x 3.53	72.0	82.7	4.2	RT0200720	75.79 x 3.53
32.0	39.3	3.2	RT0100320	34.59 x 2.62	75.0	85.7	4.2	RT0200750	78.97 x 3.53
32.0	42.7	4.2	RT0200320	36.09 x 3.53	75.0	90.1	6.3	RT0300750	81.92 x 5.33



Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size	Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size
d _N f8/h9	D ₁ H9	L ₁ +0.2			d _N f8/h9	D ₁ H9	L ₁ +0.2		
80.0	90.7	4.2	RT0200800	85.32 x 3.53	165.0	180.1	6.3	RT0301650	170.82 x 5.33
80.0	95.1	6.3	RT0300800	85.09 x 5.33	170.0	180.7	4.2	RT0201700	177.39 x 3.53
83.0	93.7	4.2	RT0200830	88.49 x 3.53	170.0	185.1	6.3	RT0301700	177.17 x 5.33
85.0	100.1	6.3	RT0300850	91.44 x 5.33	175.0	190.1	6.3	RT0301750	183.52 x 5.33
86.0	96.7	4.2	RT0200860	91.67 x 3.53	180.0	190.7	4.2	RT0201800	183.74 x 3.53
90.0	100.7	4.2	RT0200900	94.84 x 3.53	180.0	195.1	6.3	RT0301800	183.52 x 5.33
90.0	105.1	6.3	RT0300900	94.62 x 5.33	180.0	200.5	8.1	RT0401800	189.87 x 7.00
92.0	102.7	4.2	RT0200920	98.02 x 3.53	190.0	200.7	4.2	RT0201900	196.44 x 3.53
95.0	105.7	4.2	RT0200950	101.19 x 3.53	190.0	205.1	6.3	RT0301900	196.22 x 5.33
95.0	110.1	6.3	RT0300950	100.97 x 5.33	200.0	215.1	6.3	RT0302000	208.92 x 5.33
100.0	110.7	4.2	RT0201000	104.37 x 3.53	200.0	220.5	8.1	RT0402000	208.90 x 7.00
100.0	115.1	6.3	RT0301000	107.32 x 5.33	205.0	220.1	6.3	RT0302050	208.92 x 5.33
101.6	112.3	4.2	RT0201016	107.54 x 3.53	210.0	225.1	6.3	RT0302100	215.27 x 5.33
101.6	116.7	6.3	RT0301016	107.32 x 5.33	220.0	235.1	6.3	RT0302200	227.97 x 5.33
104.7	119.8	6.3	RT0301047	110.49 x 5.33	220.0	240.5	8.1	RT0402200	227.97 x 7.00
105.0	115.7	4.2	RT0201050	110.72 x 3.53	230.0	245.1	6.3	RT0302300	234.32 x 5.33
105.0	120.1	6.3	RT0301050	110.49 x 5.33	230.0	250.5	8.1	RT0402300	240.67 x 7.00
110.0	120.7	4.2	RT0201100	113.89 x 3.53	240.0	255.1	6.3	RT0302400	247.02 x 5.33
110.0	125.1	6.3	RT0301100	116.84 x 5.33	240.0	260.5	8.1	RT0402400	253.37 x 7.00
110.0	130.5	8.1	RT0401100	120.02 x 7.00	250.0	270.5	8.1	RT0402500	266.07 x 7.00
112.0	127.1	6.3	RT0301120	116.84 x 5.33	260.0	284.0	8.1	RT0802600	266.07 x 7.00
115.0	125.7	4.2	RT0201150	120.24 x 3.53	270.0	290.5	8.1	RT0402700	278.77 x 7.00
115.0	130.1	6.3	RT0301150	120.02 x 5.33	270.0	294.0	8.1	RT0802700	278.77 x 7.00
118.0	133.1	6.3	RT0301180	123.19 x 5.33	275.0	299.0	8.1	RT0802750	291.47 x 7.00
120.0	130.7	4.2	RT0201200	123.42 x 3.53	280.0	300.5	8.1	RT0402800	291.47 x 7.00
120.0	135.1	6.3	RT0301200	126.37 x 5.33	280.0	304.0	8.1	RT0802800	291.47 x 7.00
125.0	135.7	4.2	RT0201250	129.77 x 3.53	290.0	310.5	8.1	RT0402900	304.17 x 7.00
125.0	140.1	6.3	RT0301250	129.54 x 5.33	290.0	314.0	8.1	RT0802900	304.17 x 7.00
129.0	139.7	4.2	RT0201290	132.94 x 3.53	300.0	324.0	8.1	RT0803000	316.87 x 7.00
130.0	140.7	4.2	RT0201300	136.12 x 3.53	310.0	330.5	8.1	RT0403100	316.87 x 7.00
130.0	145.1	6.3	RT0301300	135.89 x 5.33	310.0	334.0	8.1	RT0803100	316.87 x 7.00
135.0	145.7	4.2	RT0201350	139.29 x 3.53	320.0	344.0	8.1	RT0803200	329.57 x 7.00
135.0	150.1	6.3	RT0301350	142.24 x 5.33	330.0	354.0	8.1	RT0803300	342.27 x 7.00
140.0	150.7	4.2	RT0201400	145.64 x 3.53	340.0	364.0	8.1	RT0803400	354.97 x 7.00
140.0	155.1	6.3	RT0301400	145.42 x 5.33	350.0	370.5	8.1	RT0403500	354.97 x 7.00
145.0	155.7	4.2	RT0201450	148.82 x 3.53	350.0	374.0	8.1	RT0803500	367.67 x 7.00
145.0	160.1	6.3	RT0301450	151.77 x 5.33	360.0	384.0	8.1	RT0803600	367.67 x 7.00
150.0	165.1	6.3	RT0301500	158.12 x 5.33	370.0	390.5	8.1	RT0403700	380.37 x 7.00
160.0	175.1	6.3	RT0301600	164.47 x 5.33	370.0	394.0	8.1	RT0803700	380.37 x 7.00
160.0	180.5	8.1	RT0401600	170.82 x 7.00	380.0	404.0	8.1	RT0803800	393.07 x 7.00



Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
390.0	414.0	8.1	RT0803900	405.26 x 7.00
400.0	420.5	8.1	RT0404000	405.26 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
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	481.38 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	663.00 x 8.40
660.0	687.3	9.5	RT0506600	673.00 x 8.40
670.0	697.3	9.5	RT0506700	683.00 x 8.40
680.0	707.3	9.5	RT0506800	693.00 x 8.40
688.0	715.3	9.5	RT0506880	701.00 x 8.40
690.0	717.3	9.5	RT0506900	703.00 x 8.40
700.0	724.0	8.1	RT0807000	721.00 x 7.00
710.0	737.3	9.5	RT0507100	723.00 x 8.40
740.0	767.3	9.5	RT0507400	753.00 x 8.40
760.0	784.0	8.1	RT0807600	772.00 x 7.00
770.0	797.3	9.5	RT0507700	783.00 x 8.40
800.0	827.3	9.5	RT0508000	813.00 x 8.40
850.0	877.3	9.5	RT0508500	863.00 x 8.40

Rod Dia.	Groove Dia.	Groove Width	TSS Part No.	O-Ring Size
d_N f8/h9	D_1 H9	L_1 +0.2		
870.0	897.3	9.5	RT0508700	883.00 x 8.40
900.0	927.3	9.5	RT0509000	913.00 x 8.40
910.0	937.3	9.5	RT0509100	923.00 x 8.40
950.0	977.3	9.5	RT0509500	963.00 x 8.40
960.0	987.3	9.5	RT0509600	973.00 x 8.40
1,000.0	1,027.3	9.5	RT05X1000	1,013.00 x 8.40
1,000.0	1,038.0	13.8	RT06X1000	1,016.00 x 12.00
1,050.0	1,077.3	9.5	RT05X1050	1,063.00 x 8.40
1,050.0	1,088.0	13.8	RT06X1050	1,066.00 x 12.00
1,100.0	1,138.0	13.8	RT06X1100	1,116.00 x 12.00
1,160.0	1,187.3	9.5	RT05X1160	1,173.00 x 8.40
1,200.0	1,227.3	9.5	RT05X1200	1,213.00 x 8.40
1,200.0	1,238.0	13.8	RT06X1200	1,216.00 x 12.00
1,300.0	1,338.0	13.8	RT06X1300	1,316.00 x 12.00
1,500.0	1,538.0	13.8	RT06X1500	1,516.00 x 12.00
1,600.0	1,638.0	13.8	RT06X1600	1,616.00 x 12.00
2,000.0	2,038.0	13.8	RT06X2000	2,016.00 x 12.00
2,600.0	2,638.0	13.8	RT06X2600	2,616.00 x 12.00

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 converted to mm, can be supplied.

All O-Rings with 12 mm cross section are delivered as a special profile ring.