















**Radialwellendichtringe
Gummi-Gewebe-
Ausführung Standard**



i=hydroelectric m=mechanical p=petrolchemical s=iron & steel

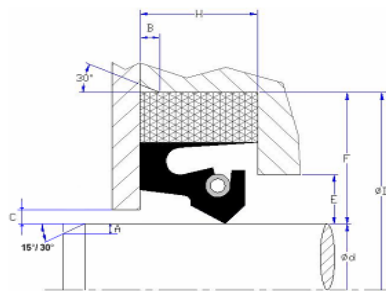
Bezeichnung	Erklärung	Durchmesser (mm)	Standard Material	Split Version	Druck (bar)	Geschw. m/s	Temp. °C	Anwendungen
TR/1	 Sealing ring for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/2	 Sealing ring for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3	 Sealing ring for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3-P	 Sealing ring with dustlip for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3-M	 with flexible steel band for universal applications	0-->2400	NBR/ CARBON STEEL	NO	0,5	15	-30-->100 (120)	s,m,i
TR/3-ML	 Sealing ring with L-shaped steel insert for medium-heavy duties	0-->1200	NBR/ CARBON STEEL	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3-M-P	 with flexible steel band and dustlip for universal applications	0-->2400	NBR/ CARBON STEEL	NO	0,5	15	-30-->100 (120)	s,m,i
TR/3-C	 Sealing ring with lubrication ports for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3-CS	 Sealing ring with lubrication ports and groove for universal applications	0-->2400	NBR/COTTON FABRIC	YES	0,5	15	-30-->100 (120)	s,m,i
TR/3-G	 Sealing ring in whole rubber	0-->2400	NBR	YES	0,5	10	-30-->100 (120)	s,m,i
TR/3-STP	 Sealing ring with glued spring	0-->2400	NBR/COTTON FABRIC	NO	0,5	15	-30-->100 (120)	s,m,i
TWS	 Sealing ring without spring	0-->2400	NBR	YES	0,5	15	-30-->100 (120)	s,m,i
TPC	 Sealing rings for roll bearings	0-->700	NBR/ CARBON STEEL	NO			-30-->100 (120)	s,m,i
T11-S	 Sealing ring with finger spring and metal case, for heavy duties	0-->1200	NBR/ CARBON STEEL	NO	0,5	15	-30-->100 (120)	s,m,i

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Assembly of TR/1 – TR/2 – TR/3 sealing rings

Picture 4 shows details of the housing dimensions and the assembly of one of the above mentioned models. Dimensions and tolerances are the same for the three styles. Particular applications or requirements different from those detailed are to be agreed with our Technical Department.

C maximum = 0,2 F
E maximum = 0,5 F



Picture 4



Shaft and housing tolerances	
Shaft: h11	Housing: H10
For all textile-rubber seals	

Housing tolerance and chamfers						
Housing Height Tolerance		Shaft chamfers			Housing chamfer	
H (mm)	(mm)	Ød (mm)		A minimum (mm)	H (mm)	B (mm)
Up to 15	0 / -0,1	Over	Up to		10	1
Over	+ / -0,1	3	50	1,5	15	1,5
		50	250	3	20	2
		250	800	4,5	30	3
		800	1500	6	40	4
		1500	2500	7,5		

Shaft and housing surface finishing

A roughness of Ra 0,2/0,6 µm is recommended for the shaft, in normal applications, while in case of high speeds, a finishing of 0,2/0,4 µm is recommended. Plunge grinding required. For the housing bore a finish turning is sufficient.

Shaft hardness	
Up to 15m/s	Over 15m/s
40HRC	50HRC and above