



1. Zrs seal ring
2. Support thrust ring
3. Outer ring
4. Cylindrical rollers
5. Inner ring
6. Support thrust ring
7. Zrs seal ring



Technical Data - PWTR track roller

C.R. rif / ref	d (mm)	D (mm)	B (mm)	C (mm)	d1 (mm)	r min. (mm)	r1 min. (mm)	Cw (kN)	Cow (kN)	Vel Max Speed (RPM min-1)
PWTR 15 2RS	15	35	19	18	20	0,6	0,3	11,6	11,3	6000
PWTR 17 2RS	17	40	21	20	22	1	0,5	13,2	13,8	5000
PWTR 15 42 2RS	15	42	19	18	20	0,6	0,3	13,5	14,1	6000
PWTR 17 47 2RS	17	47	21	20	22	1	0,5	14,8	16,4	5000
PWTR 20 2RS	20	47	25	24	27	1	0,5	23,2	25,5	3800
PWTR 20 52 2RS	20	52	25	24	27	1	0,5	25,5	29,5	3800
PWTR 25 2RS	25	52	25	24	31	1	0,5	24,2	28	3800

C.R. rif / ref	d (mm)	D (mm)	B (mm)	C (mm)	d1 (mm)	r min. (mm)	r1 min. (mm)	Cw (kN)	Cow (kN)	Vel Max Speed (RPM min-1)
PWTR 25 62 2RS	25	62	25	24	31	1	0,5	29	36	3800
PWTR 30 2RS	30	62	29	28	38	1	0,5	35	39,5	2200
PWTR 30 72 2RS	30	72	29	28	38	1	0,5	41	49	2200
PWTR 35 2RS	35	72	29	28	44	1,1	0,6	38,5	46,5	1800
PWTR 35 80 2RS	35	80	29	28	44	1,1	0,6	43,5	55	1800
PWTR 40 2RS	40	80	32	30	51	1,1	0,6	44,5	53	1500
PWTR 45 2RS	45	85	32	30	55	1,1	0,6	45	55	1300
PWTR 40 90 2RS	40	90	32	30	51	1,1	0,6	52	66	1500
PWTR 50 2RS	50	90	32	30	60	1,1	0,6	45,5	57	1100
PWTR 45 100 2RS	45	100	32	30	55	1,1	0,6	56	74	1300
PWTR 50 110 2RS	50	110	32	30	60	1,1	0,6	59	82	1100

Cw: Dynamic load - Cow: Static load

Technical Characteristics - PWTR track roller

The main characteristic of this series of rollers is the high thickness of outer ring, which is suitable to bear high specific pressures and the impacts deriving from the use of these bearings as pressure rollers, cam followers, conveyor belt rollers, bearings for fork lift masts.

It differs from NUTR series as far as the characteristics of the seals are concerned, as they are of ZRS type (steel and rubber).

Other important features of these bearings are:

- Outer ring with double border of rollers obtained entirely on the outer ring and accurately grinded in order to allow the roller to bear loads with axial components. Usually, the ring is cambered on the outer part, in order to improve working condition with heavy loads and to prevent the concentration of load onto side bands of the raceway. On request, rollers with cylindrical outer surface can be supplied.
- Inner ring with holes and channels for the inflow of lubricants.
- Grinded thrust rings which, along with ZRS seals forced on the outer ring, guarantee an extremely efficient protection system. One of lateral thrust rings can be a closed thrust ring, to allow the fixing of the rollers at the edge of the shaft.
- Full-complement of grinded flat head cylindrical rollers.
- Tolerance of execution according to normal class, possibility of special execution according to class P5 (DIN 620).