

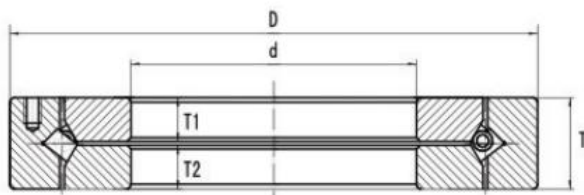
Cross Tapered Roller Bearings

Cross Tapered roller bearing contains two sets of races and rollers brought together at high angles with alternate rollers facing in opposite directions. The height of cross section is similar to single-row bearing for conserving space and saving bearing housing material. And the steepangle, tapered geometry results in a total effective bearing spread much greater than the width of the bearing itself.

It is able to withstand high overturning moments, and is optimal for machine tools, including vertical boring, grinding machines, precision circular dividing table, gear hobbing machine, turret and industrial robots.

Design Features:

1. The line contact of races and rollers can offer high rotation accuracy, high stability and high rigidity.
2. The adjustment design of pro-load extend the bearing using life , increase the rigidity and reach the smallest runout.
3. The nylon spacers has low inertia and small running torque.
4. High rotation accuracy and high rigidity , and conserving material costs.
5. The steep-angle, tapered geometry results in a total effective bearing spread much greater than the width of the bearing itself.



Model Number	Main dimensions (mm)				Basic dynamic load rating		Limit speed (Oil) r/m	Weight (Kg)	Exchange model			
	Inner ring d(mm)	Outer ring D(mm)	Width T (mm)	Chamfer r (min)	Radial Cr (KN)	Axial Ca (KN)			SKF	NACHI	URB	PSL
XR496051	203.2	279.4	31.75	1.5	51.2	61.4	800	6.5	616093A	/	/	/
XR678052	330.2	457.2	63.	3	100	123	620	35	615661A	300XRN50	/	PSL912-309A
XR766051	457.2	609.6	63.	3	141	178	520	51	615894A	0457XRN060	XD. 10. 0457P5	PSL912-308A
XR820060	580	760	80	5	215	234	300	100	615662A	580XRN76	XD. 10. 0580P5	PSL912-304A
XR855053	685.8	914.4	79.37	3	270	343	260	150	615659A	0685XRN091	XD. 10. 0686P5	PSL912-305A



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XR882055	901. 7	1117. 6	82. 55	3	300	395	200	185	615895A	0901XRN112	XD. 10. 0902P5	PSL912-306A
XR889058	1028. 7	1327. 1	114. 3	3	405	534	160	400	BFKB353282/HA	1028XRN132	XD. 10. 1029P5	PSL912-307A
XR897051	1549. 4	1828. 8	101. 6	3	516	698	80	500	615898A	/	XD. 10. 1549P5	/
JXR637050	300	400	37	1. 5	63	80. 1	720	13	/	/	/	/
JXR652050	310	425	45	2. 5	82. 2	102	640	20	/	/	/	/
JXR699050	370	495	50	3	93. 6	119	600	30	/	/	/	/

For more information, please contact [Tedin's](#) technical center.