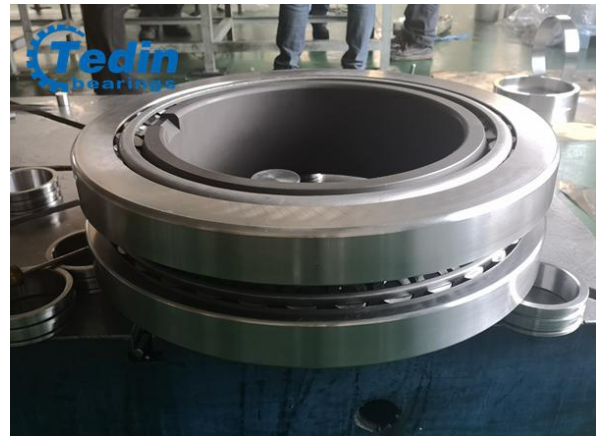
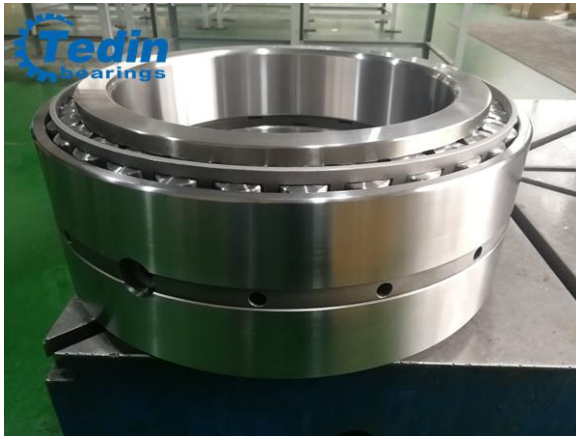

Double row tapered roller bearings



Double-row tapered roller bearings are mostly used separately and do not need to fit with other bearings. Double-row tapered roller bearings can withstand heavy (both radial and axial) loads, strong rigidity. It can be fixed axially in both directions, with a certain axial clearance or a certain preload. Double-row taper roller bearings are mainly used in gearboxes, lifting equipment, rolling mills and mining machinery, such as tunnel tunneling machines.

The TDO type double row tapered roller bearing has a double raceway conical outer ring and two inner races with rollers and cage assembled. Usually there is a spacer ring between the two conical inner rings of these bearings. Because axial clearance or preload has been adjusted during the production process, they are fast-packed assembled. These bearings are back-to-back configuration, so the load line is separated from the bearing line. Because of this, bearings can be used in a more rigid configuration, allowing a considerable amount of tilting torque. TDO type double-row tapered roller bearing have a variety of internal structures:

Bearing with middle spacer and plate punching window cage.

Bearing with intermediate ring, hollow roller and prop steel cage.

Bearing with close extended inner ring and plate punching window cage.

TDI type double row tapered roller bearing has a double raceway cone inner ring and two conical outer rings with two sets of rollers and cage assembled. The double-row rollers are arranged face to face. A spacer is usually configured between two outer rings. A certain axial clearance or preload can be obtained by selecting the size of the middle spacer. TDI type bearings have a variety of internal structures:

bearing with intermediate ring and plate punching window cage.



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bearing with intermediate ring, hollow roller and steel pillar cage.

Large cone angle bearing for axial thrust of rolling mill.

TEDIN can produce TDO type double row tapered roller bearings and TDI type double row tapered roller bearings. The difference between this two types designation: one is face-to-face design, the other is back-to-back design. We could choose different design according to different assembly position and uses.

Principal Dimensions					Basic Load Ratings		Limiting Speeds		Wt	No.
d	D	T	B	C	Cr	Cor	Grease	Oil		
mm					KN		r/min		kg	
92.075	152.4	82.55	63.5	36.322	297	547	1800	2400	5.74	598/592DC
96.938	188.912	107.59	31.75	46.038	466	702	1800	2400	11.6	90381/90744K
101.6	168.275	92.075	69.85	41.275	357	648	1800	2400	8.18	687/672D
101.6	190.5	127	101.6	57.5	606	1020	1800	2400	15.6	861/854D
127.792	228.6	115.888	84.138	49.428	703	1142	1400	1900	18.9	HM926749/HM926710D
130	280	144	44	66	1086	1649	1400	1900	40.4	31326X.K11.A160.200
140	200	93.665	73.025	42	422	917	1300	1700	9.2	442210
	300	154	47	70	1244	1910	1300	1700	51	31328X.K11.A160.200
146.05	254	149.225	111.125	66.675	967	1887	1300	1700	28	99575/99102CD
150	320	164	50	75	1414	2196	1200	1500	59.6	31330X.K11.A180.230
165.1	225.425	95.25	69.85	47.625	440	1120	1150	1400	10.5	NA46790-SW/46720CD
173	350	155	58	155	1500	2550	1000	1300	70.7	173KH350+K
177.8	288.925	123.825	47.625	123.825	1085	2050	940	1300	32	HM237546DW/HM237510
203.2	276.225	95.25	73.025	47.625	590	1350	940	1300	14.9	LM241149NW/LM241110D
	292.1	109.538	84.138	49.212	825	1710	940	1300	21.9	M541349/M541310D
220	340	90	80	39.000	725	1478	840	1100	30.8	220KBE30+L
249.25	381.000	171.45	127	76.2	1407	3066	690	920	63.4	EE126098/126151CD
253.975	347.662	101.6	69.85	50.8	775	1650	630	840	23.8	LM249747NW/LM249710D
279.4	457.2	244.475	106.363	244.475	3670	8440	580	770	181	HH255149D/HH255110
	457.2	244.48	94	244.48	2743	5863	580	770	166.5	45T564624T
303.212	495.3	263.525	114.3	263.525	4023	9363	500	660	223.8	HH258249TD/HH258210
304.8	393.7	107.95	82.55	53.975	905	2260	500	660	30.6	L357049NW/LM961511D

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305.07	500	200	60	200	2100	4300	500	660	147.7	332169A
342.9	457.098	142.875	101.600	63.5	1254	3411	480	630	60.4	LM961548/LM961511D
355.6	444.5	136.525	111.125	60.325	1133	3538	420	560	44.6	L163149/L163110CD
	501.65	146.05	107.95	73.025	1762	3853	410	540	88	NA231400/231976CD
368.249	523. 875	214.312	169.862	101.6	2714	6903	410	540	143	HM265049/HM265010D
368.3	523. 875	185.738	79.375	185.738	3165	7555	410	540	134.3	HM265049TDS/HM265010S
447.675	635	223.838	95.25	223.838	4317	11416	320	440	239	M270749ADW/M270710
498.475	634.873	177.8	142.875	80.962	2356	6893	320	440	132.2	EE243196/243251CD
600	870	250	200	111	4920	11950	250	330	467	600KBE030+L/P6

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

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