

Tapered Roller Bearings

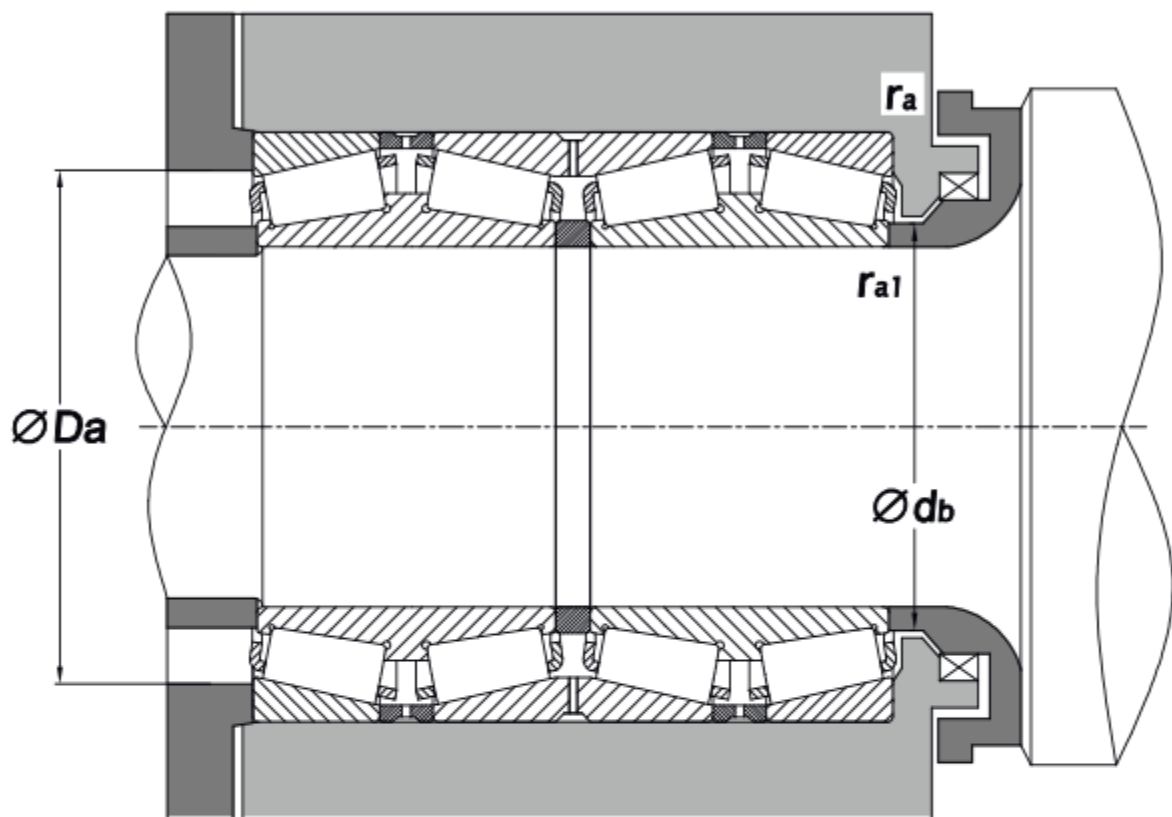
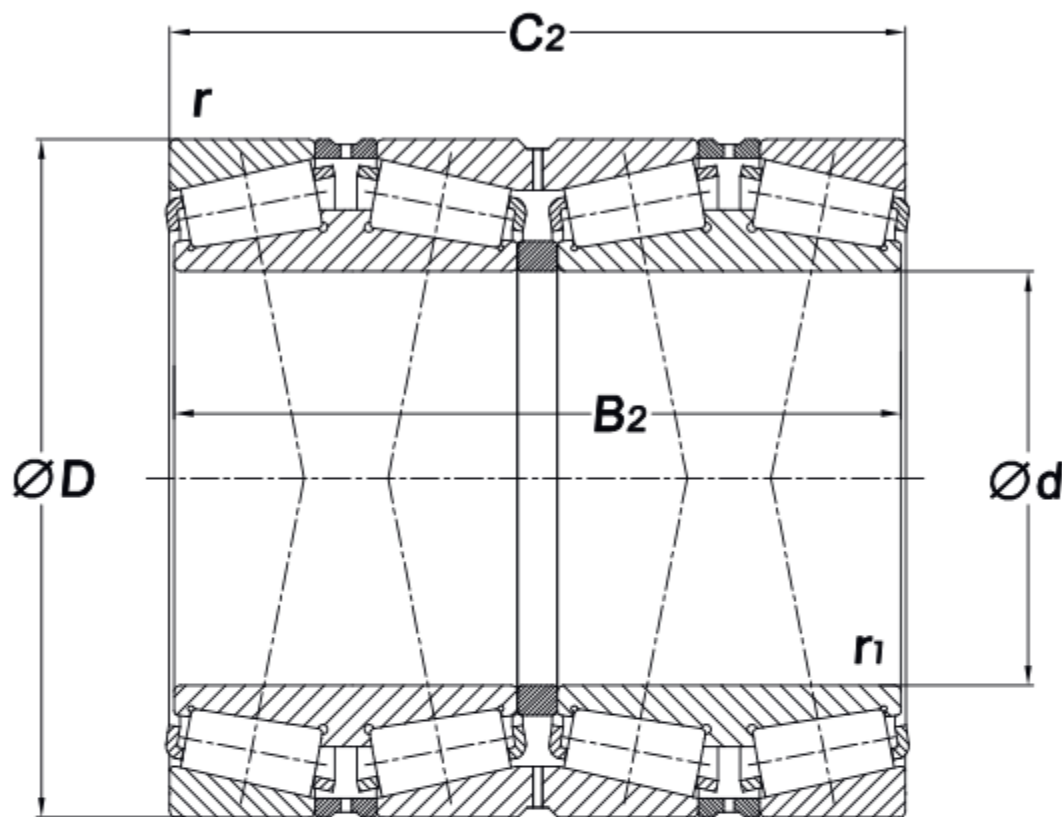
Tapered roller bearings can accommodate combined radial and axial loads but mainly radial load. While taper roller bearings with larger contact angle can bear combined radial and axial loads but mainly axial load.

Tapered roller bearing are a separable-type bearing, the cone (inner ring and rollers & cage assembly) and the cup can be installed separately. During installation and use, radial and axial clearance of bearings can be adjusted, and preloaded installation is also possible.



Four-Row Tapered Roller Bearings

TQO Design • Inch Size
d: 317.500 ~ 508.000mm



Principal Dimensions (mm)								Bearing Designations			Basic Load Ratings (kN)		r (min)	r ₁ (min)	Abutment and Fillet Dimensions (mm)				Weight (kg)
d		D		B ₂		C ₂					Dynamic Cr	Static Cor			d _a	D _a	r _a (max)	r _{a1} (max)	
317.500	12.500	447.675	17.625	327.025	12.875	327.025	12.875	HM259049D/HM259010/HM259010D		3400	9550	3.3	3.3	340	418	3.3	3.3	161.0	
330.200	13.000	482.600	19.000	306.388	12.063	311.150	12.250	EE526131D/526190/526191D		2810	7900	3.3	1.5	351	448	3.3	1.5	197.0	
333.375	13.125	469.900	18.500	342.900	13.500	342.900	13.500	HM261049D/HM261010/HM261010DA		4000	11100	3.3	3.3	357	439	3.3	3.3	187	
341.312	13.437	457.098	17.996	254.000	10.000	254.000	10.000	LM761648D/LM761610/LM76160D		2370	6900	3.3	1.5	359	432	3.3	1.5	125.0	
343.052	13.506	457.098	17.996	254.000	10.000	254.000	10.000	LM761649D/LM761610/LM761610D		2480	7150	3.3	1.5	361	432	3.3	1.5	113.0	
346.075	13.625	488.950	19.250	358.775	14.125	358.775	14.125	HM262749D/HM262710/HM262710D		4350	12800	3.3	3.3	371	456	3.3	3.3	227	
347.662	13.687	469.900	18.500	292.100	11.500	292.100	11.500	M262449D/M262410/M262410D		3200	9100	3.3	3.3	369	443	3.3	3.3	148.0	
355.600	14.000	444.500	17.500	241.300	9.500	241.300	9.500	L163149D/L163110/L163110D		1760	6200	3.3	1.5	370	422	3.3	1.5	89.5	
355.600	14.000	457.200	18.000	252.412	9.937	252.412	9.937	LM263149D/LM263110/LM263110D		2470	7850	3.3	1.5	372	434	3.3	1.5	106.0	
355.600	14.000	482.600	19.000	265.112	10.437	269.875	10.625	LM763449D/LM763410/LM763410D		2790	7650	3.3	1.5	375	453	3.3	1.5	145.0	
355.600	14.000	488.950	19.250	317.500	12.500	317.500	12.500	M263349D/M263310/M263310D		3500	10000	3.3	1.5	374	459	3.3	1.5	173.0	
368.300	14.500	523.875	20.625	382.588	15.063	382.588	15.063	HM265049D/HM265010/HM265010D		4450	13100	6.4	3.3	394	487	6.4	3.3	280.0	
368.300	14.500	596.900	23.500	342.900	13.500	342.900	13.500	EE181455D/182350/182351D		4600	10600	6.4	6.4	421	541	6.4	6.4	373.0	
374.650	14.750	501.650	19.750	250.825	9.875	260.350	10.250	LM765149D/LM765110/LM765110D		2360	6250	3.3	1.5	393	472	3.3	1.5	145.0	
384.175	15.125	546.100	21.500	400.050	15.750	400.050	15.750	HM266449D/HM266410/HM266410D		5750	16600	6.4	3.3	411	507	6.4	3.3	308.0	
385.762	15.187	514.350	20.250	317.500	12.500	317.500	12.500	LM665949D/LM665910/LM665910D		3650	11100	3.3	3.3	409	482	3.3	3.3	240.0	
393.700	15.500	546.100	21.500	288.925	11.375	288.925	11.375	LM767745D/LM767710/LM767710D		3200	10200	6.4	1.5	418	510	6.4	1.5	219.0	
406.400	16.000	546.100	21.500	268.288	10.563	288.925	11.375	EE234161D/234215/234216D		2290	6550	6.4	1.5	438	505	6.4	1.5	190.0	
406.400	16.000	546.100	21.500	288.925	11.375	288.925	11.375	LM767749D/LM767710/LM767710D		3200	10200	6.4	1.5	427	510	6.4	1.5	201.0	
406.400	16.000	590.550	23.250	400.050	15.750	400.050	15.750	EE833161D/833232/833233D		4850	13600	6.4	3.3	448	549	6.4	3.3	395.0	
409.575	16.125	546.100	21.500	334.962	13.187	334.962	13.187	M667947D/M667911/M667911D		4100	12700	6.4	1.5	431	510	6.4	1.5	226.0	
415.925	16.375	590.550	23.250	434.975	17.125	434.975	17.125	M268749D/M268710/M268710D		6300	18900	6.4	3.3	444	549	6.4	3.3	421.0	
431.800	17.000	571.500	22.500	279.400	11.000	279.400	11.000	LM869449D/LM869410/LM869410D		3200	9850	3.3	1.5	453	537	3.3	1.5	193.0	
431.800	17.000	571.500	22.500	336.550	13.250	336.550	13.250	LM769349D/LM769310/LM769310D		3700	11800	6.4	1.5	453	534	6.4	1.5	232.0	
431.800	17.000	635.000	25.000	355.600	14.000	355.600	14.000	EE931170D/931250/931251XD		5650	15000	6.4	6.4	490	607	6.4	6.4	402.0	
447.675	17.625	635.000	25.000	463.550	18.250	463.550	18.250	M270749D/M270710/M270710D		7100	22100	6.4	3.3	478	591	6.4	3.3	509.0	
457.200	18.000	596.900	23.500	276.225	10.875	279.400	11.000	L770849D/L770810/L770810D		2900	9150	3.3	1.5	478	567	3.3	1.5	201.0	
457.200	18.000	660.400	26.000	323.850	12.750	323.847	12.750	EE737179D/737260/737260D		4150	11200	6.4	3.3	495	616	6.4	3.3	379.0	
479.425	18.875	679.450	26.750	495.300	19.500	495.300	19.500	M272749D/M272710/M272710XD		6450	18900	6.4	3.2	510	633	6.4	3.2	590.0	
482.600	19.000	615.950	24.250	330.200	13.000	330.200	13.000	LM272249D/LM272210/LM272210D		4000	13400	6.4	3.3	504	585	6.4	3.3	250.0	
482.600	19.000	647.700	25.500	417.512	16.437	417.512	16.437	M272647D/M272610/M272610D		5950	14800	6.4	3.3	505	611	6.4	3.2	432.0	
488.950	19.250	660.400	26.000	365.125	14.375	361.950	14.250	EE640193D/640260/640261D		5350	16100	6.4	8.0	519	624	6.4	8.0	364.0	
489.026	19.253	634.873	24.995	320.675	12.625	320.675	12.625	LM772749D/LM772710/LM772710DA		3650	12000	3.3	3.3	513	600	3.3	3.3	268.0	
501.650	19.750	711.200	28.000	520.700	20.500	520.700	20.500	M274149D/M274110/M274110D		8650	27300	6.4	3.3	534	663	6.4	3.3	726.0	
508.000	20.000	762.000	30.000	463.550	18.250	463.550	18.250	EE531201D/531300/531301XD		7800	21400	6.4	6.4	549	711	5.0	5.0	740.0	