

Single row tapered roller bearings in Inch



The single row taper roller bearings In Inch dimensions are of separable design, which means the outer ring (cup) and the inner ring (cone) with rollers and cage assembly can be separately mounted. The two parts are interchangeable. There are following types for standardized types of single row tapered roller bearings:

1. TS type single row tapered roller bearing: It is the most basic and most widely used type, and typically mounted in opposing pairs on a machine tool's shaft.
2. TSF type single row tapered roller bearing (flange cup): The cup of TSF type is backed against flange face to housing to be through-bored.
3. TSU type single row tapered roller bearing (Unit bearing);

The matched pairs, generally metric sized, in "O" back-to-back (designation DB) or "X" face-to-face (designation DF) arrangements, locate the shaft in both axial directions and the optimum axial play in the two bearings is adjusted and guaranteed after mounting. Taper roller bearings, clearance should be in radial direction, but it is measured and adjusted in axial direction.

Tapered roller bearings are widely used in many industries: machine tool spindles, construction machinery, agricultural machinery, railway vehicle gear reducer, heavy trucks, pithead trucks, rolling mill, wind turbines, tbm, etc.

TEDIN single row tapered roller bearings in metric are manufactured both in standardized and in non-standardized types. There are also thin section single row tapered roller bearings for some special uses. You can get more information and advice from our technical department.

Bearing Code:	d	D	T	Cr	C0r	Grease	Oil	Weight
	mm	mm	mm	kN		r/min		kg
KH242649/KH242610	206.375	336.55	98.425	965	1400	850	1200	33
93825/93125	209.55	317.5	63.5	605	1130	850	1200	16.6



LUOYANG TEDIN BEARING CO., LTD.

Tel: 0086-136-6388 9399

Email: sales@tedin-bearing.com;

Homepage: www.tedin-bearing.com;

K93825/K93125	209.55	317.5	63.5	605	1130	850	1200	16.6
LM742749/LM742710	215.9	285.75	46.038	375	840	1000	1500	8
LM742747/LM742710	216.408	285.75	46.038	375	840	1000	1500	7.95
LM742747A/LM742710	216.713	285.75	46.038	375	840	1000	1500	7.95
KM244249/KM244210	220.662	314.325	61.912	620	1220	1000	1500	14.9
KM249732/KM249710-1	228.6	358.775	71.438	750	1500	950	1300	27.2
HH949549/HH949510	228.6	488.95	123.825	1820	2490	750	1000	101
LM245846/LM245810	230.188	317.5	47.625	520	985	900	1200	10.6
544091/544118A	231.775	300.038	33.338	212	420	950	1300	5.4
LM245848/LM245810	231.775	317.5	47.625	520	985	900	1200	10.6
KM246942/KM246910	231.775	336.55	65.088	640	1360	850	1200	18.5
KH247549/KH247510	234.95	384.175	112.712	1360	2540	750	1000	50
KM246949/KM246910	237.33	336.55	65.088	640	1360	850	1200	17.5
KEE923095/K923175	241.3	444.5	101.6	1340	2000	750	1000	65.9
KEE390095/K390200	241.3	508	117.475	1340	2060	670	900	96.4
KM348449/KM348410	247.65	346.075	63.5	670	1310	850	1200	17.4
HH249949/HH249910	247.65	406.4	115.888	1690	3200	750	1000	58
M349547SH/M349510SH	255.6	342.9	57.15	665	1330	850	1200	14.4
KM349549/KM349510	257.175	342.9	57.15	725	880	850	1200	14
M249747SH/M249710SH	257.175	358.775	71.438	750	1520	850	1200	21.7
HM252348/HM252310	260.35	422.275	86.121	1100	1800	900	1300	42.8
38880/38820	263.525	325.438	28.575	1280	1790	1000	1500	54.2
KLM451349/KLM451310	266.7	355.6	57.15	715	800	850	1200	15.1
KEE275105/K275155	266.7	393.7	73.817	770	1460	750	1000	27.8
KH852849/KH852810	266.7	444.5	120.65	1610	3050	670	900	73.1
KEE275108/K275155	273.05	393.7	73.817	770	1460	750	1000	26.3
M255449/M255410	288.925	406.4	77.788	1250	1900	670	900	30.5
L555249/L555210	292.1	374.65	47.625	1080	1590	780	1050	12.2
KL357049/KL357010	304.8	393.7	50.8	580	1210	670	900	14.6
LM757049/LM757010	304.8	406.4	63.5	2200	2800	670	900	21.2
HM259048/HM259010	317.5	447.675	85.725	960	2330	670	900	41.3
KL860049/KL860010	330.2	415.925	47.625	475	1140	670	900	14.3
EE526130/526190	330.2	482.6	85.725	1200	2480	600	830	49.2
HM261049/HM261010	333.375	469.9	90.488	1320	2820	600	830	47.6
LM361649A/LM361610	343.154	450.85	66.675	930	2180	650	850	28.3
HM262749/HM262710	346.075	488.95	95.25	845	1180	600	830	55.8
306/355.6-1	355.6	482.6	60.32	565	1180	600	830	26.6
H961649/H961610	371.5	622.3	147.638	2300	3600	420	580	180

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KLM565946/KLM565910	377.825	522.288	85.725	1170	2580	670	900	51.9
306/380.1	380.1	480	50	590	1490	560	750	20.8
L865547/L865512	381	479.425	49.212	590	1490	560	750	20.4
KLM565949/KLM565910	381	522.288	85.725	1170	2580	650	870	51.2
HM266449/HM266410	384.175	546.1	104.775	1850	4150	530	700	77.6
LL566848/LL566810	403.225	460.375	28.575	240	760	560	750	6.73
KEE234160/K234215	406.4	546.1	76.2	840	1830	630	850	41.8
LM567949/LM567910	406.4	549.275	85.725	1350	3000	600	800	54
EE285160/EE285226	406.4	574.625	76.2	920	2030	500	650	54.2
H969249/H969210	406.4	762	180.975	3650	6050	350	480	322
M268749/M268710	415.925	590.55	114.3	1810	4030	480	650	96.6
EE241693/242375	430.212	603.25	76.2	1050	2300	480	650	58.6
M270749/M270710	447.625	635	120.65	2300	5450	430	560	121
L570649/L570610	457.2	573.088	74.612	1100	2980	480	630	43.8
LM770949/LM770910	457.2	603.25	85.725	1420	3390	450	600	62
LM272235/LM272210	457.2	615.95	85.725	1450	3750	420	580	73.2
EE737181/737260	457.2	660.4	91.28	1750	3600	420	580	91.5
EE243190/243250	482.6	634.873	80.962	1430	3600	420	580	60.8
LM772748/LM772710	488.95	634.873	84.138	1420	3600	420	580	64.5
EE243196/243250/HE	498.475	634.873	80.962	1340	2950	420	580	58.3
EE982051/982900	520.7	736.6	88.9	1630	3350	380	500	101
M276449/M276410	536.575	761.873	146.05	3300	7950	360	480	202
306/536X4	536.575	820	152	3850	7750	340	450	273
LL575349/LL575310	539.75	635	50.8	780	2150	400	530	27.2
EE649239/649310	607.72	787.4	93.662	2200	2800	340	450	108
EE649240/649310	609.6	787.4	93.662	2120	5250	340	450	108
80780/80720	635	736.6	57.15	855	2640	350	470	37.3
L281147/L281110	660.4	812.8	95.25	1920	5550	310	420	106
306/660.4	660.4	939.8	136.525	3700	8100	260	360	288
306/660.4-1	660.4	1000	152.4	4300	9450	240	340	411
LM281849/LM281810	679.45	901.7	142.875	3550	8900	260	360	243
306/682 X4-2	682.625	965.2	185.738	5050	12480	240	340	419
EE655270/655345	685.8	876.3	93.662	2100	4950	280	380	399
306/711.2	711.2	939.8	120.65	2600	6150	220	320	207
EE755285/755360	723.9	914.4	84.137	2000	4850	260	360	116
LM283649/LM283610	749.3	990.6	159.5	4500	11800	220	320	331
LL483448/LL483418	759.925	889	69.85	1210	3750	260	360	67.2
L183448/L183410	760	889	88.9	2200	3200	260	360	93.5

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L183449/L183410	762	889	88.9	2200	3200	260	360	91.9
EE752305/752380	774.7	965.2	93.662	1920	4850	220	320	130
LL584449/LL584410	801.688	914.4	58.738	1050	3500	240	340	53.6
EE763330/763410	838.2	1041.4	93.662	1850	4750	200	300	161
EE157337/157430	857.25	1092.2	120.65	2790	7300	190	280	244
JL286948H/JL286910	928	1060	92	2120	7450	190	280	117
JL286949H/JL286910	930	1060	92	2120	7450	190	280	115
LL687949/LL687910	977.9	1130.3	66.675	1430	4300	170	240	101
EE168400/168500	1016	1270	101.6	2700	7450	160	230	276
L848849SH/L848810SH		324.975	39	365	800	850	1200	8.06
HH953749/HH953710		533.4	133.35	365	800	850	1200	129
306/682 X4-3		1080	200	6650	13100	200	300	641

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