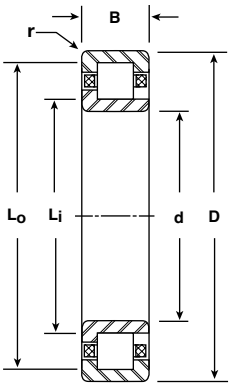
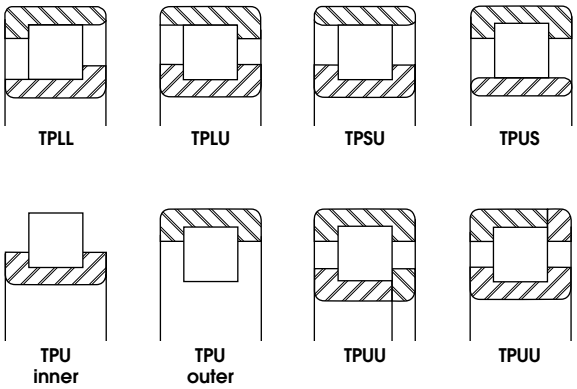
Metric Series

Bore Sizes 30-55 mm

TPUL





BASIC P/N	BORE d		O.D. D		WIDTH B		NOMINAL ROLLER PATH DIA.		MOUNTING SHOULDER DIA.		FILLET RADIUS r	ROLLER		LOAD RATINGS LBS	
							INNER	OUTER	MIN. SHAFT Li	MAX. HOUSING Lo		NO.	DIA. & LENGTH	DYN. C	STATIC Co
	mm	INCH	mm	INCH	mm	INCH	INCH	INCH	INCH	INCH	INCH		mm		
TP1806	30	1.1811	42	1.6535	7	.2756	1.2795	1.5551	1.255	1.589	.012	20	3.5	1800	1800
TP1906	30	1.1811	47	1.8504	9	.3543	1.3288	1.7225	1.265	1.765	.012	18	5	3300	3300
TP106	30	1.1811	55	2.1654	13	.5118	1.4116	1.9628	1.360	1.985	.039	14	7	5150	4900
TP206	30	1.1811	62	2.4409	16	.6299	1.4579	2.2454	1.375	2.285	.039	12	10	9050	8150
TP306	30	1.1811	72	2.8346	19	.7480	1.5219	2.5455	1.415	2.600	.039	10	13	12900	11100
TP1807	35	1.3780	47	1.8504	7	.2756	1.4764	1.7520	1.450	1.770	.012	22	3.5	1950	2050
TP1907	35	1.3780	55	2.1654	10	.3937	1.5470	2.0195	1.517	2.030	.024	18	6	4550	4650
TP107	35	1.3780	62	2.4409	14	.5512	1.6100	2.2400	1.562	2.257	.039	14	8	6700	6500
TP207	35	1.3780	72	2.8346	17	.6693	1.6946	2.5607	1.585	2.624	.039	12	11	10700	9900
TP307	35	1.3780	80	3.1496	21	.8268	1.7126	2.8150	1.685	2.846	.059	10	14	14700	12900
TP1808	40	1.5748	52	2.0472	7	.2756	1.6735	1.9491	1.650	1.960	.012	24	3.5	2100	2250
TP1908	40	1.5748	62	2.4409	12	.4724	1.7327	2.2839	1.708	2.302	.024	18	7	6200	6500
TP108	40	1.5748	68	2.6772	15	.5906	1.7718	2.4805	1.758	2.499	.039	14	9	8250	8100
TP208	40	1.5748	80	3.1496	18	.7087	1.9130	2.8579	1.795	2.933	.039	12	12	12600	12000
TP308	40	1.5748	90	3.5433	23	.9055	1.9607	3.2206	1.890	3.243	.059	10	16	19100	17100
TP1809	45	1.7717	58	2.2835	7	.2756	1.8899	2.1655	1.875	2.190	.012	28	3.5	2350	2650
TP1909	45	1.7717	68	2.6772	12	.4724	1.9486	2.4998	1.912	2.537	.024	20	7	6750	7300
TP109	45	1.7717	75	2.9528	16	.6299	2.0258	2.7344	1.957	2.760	.039	16	9	9100	9450
TP209	45	1.7717	85	3.3465	19	.7480	2.0725	3.0962	1.980	3.135	.039	12	13	14800	14300
TP309	45	1.7717	100	3.9370	25	.9843	2.1852	3.5238	2.080	3.625	.059	10	17	21500	19700
TP1810	50	1.9685	65	2.5591	7	.2756	2.1260	2.4016	2.102	2.395	.012	32	3.5	2600	3050
TP1910	50	1.9685	72	2.8346	12	.4724	2.1267	2.6779	2.107	2.696	.024	20	7	6750	7400
TP110	50	1.9685	80	3.1496	16	.6299	2.2227	2.9314	2.152	2.963	.039	18	9	9950	10700
TP210	50	1.9685	90	3.5433	20	.7874	2.2698	3.2934	2.183	3.334	.039	14	13	16600	16900
TP310	50	1.9685	110	4.3307	27	1.0630	2.4393	3.9353	2.357	3.949	.079	10	19	26600	24900
TP1811	55	2.1654	72	2.8346	9	.3543	2.3031	2.6969	2.281	2.720	.012	30	5	4850	5850
TP1911	55	2.1654	80	3.1496	13	.5118	2.3956	2.9467	2.361	2.953	.039	24	7	7700	9000
TP111	55	2.1654	90	3.5433	18	.7087	2.4427	3.3088	2.396	3.314	.039	16	11	13200	14100
TP211	55	2.1654	100	3.9370	21	.8268	2.5004	3.6028	2.444	3.654	.059	14	14	18900	19600
TP311	55	2.1654	120	4.7244	29	1.1417	2.7343	4.2304	2.555	4.334	.079	12	19	30500	30600

Notes:

1. NHBB typically manufactures roller bearings in both 52100 and M50 material to ABEC 5 tolerances per ABMA Standard 20. Other materials and tolerances are available.
2. All cages are metallic and one-piece machined.
3. Standard rollers have equal length and diameter. Rectangular rollers, typically under a 2:1 length-to-diameter ratio, are also available.
4. Custom features such as puller grooves, mounting flanges and anti-rotation devices can be designed into all ring configurations.
5. Fillet Radius (r) is the maximum shaft or housing fillet radius that bearing corners will clear.