



# IMPERIAL LIGHT SERIES SINGLE DIRECTION THRUST BALL BEARINGS

Part Number	Alternative Part Number	Dimensions (Inches)					Dimensions (mm)					Load Ratings (N)		Limiting Speed		Weight (kg)
		d	D1	D	d1	T	d	D1	D	d1	T	Dynamic Ca	Static Coa	Grease	Oil	
		Shaft Washer Bore	Housing Washer Bore	Housing Washer Outer	Shaft Washer Outer	Width	Shaft Washer Bore	Housing Washer Bore	Housing Washer Outer	Shaft Washer Outer	Width					
LT1/2B	O4	1/2	17/32	1.9/32	1.1/4	5/8	12.700	13.494	32.544	31.750	15.875	17600	18500	6400	9100	0.075
LT5/8B	O5	5/8	21/32	1.13/32	1.3/8	5/8	15.875	16.669	35.719	34.925	15.875	18400	19800	5200	8500	0.086
LT3/4B	O6	3/4	25/32	1.17/32	1.1/2	5/8	19.050	19.844	38.890	38.100	15.875	16800	20800	5000	7800	0.101
LT7/8B	O7	7/8	29/32	1.21/32	1.5/8	5/8	22.220	23.019	42.069	41.275	15.875	17100	24100	4800	7200	0.106
LT1B	O8	1	1.1/32	1.25/32	1.3/4	5/8	25.400	26.194	45.244	44.450	15.875	18300	25900	4400	6800	0.112
LT1.1/8B	O9	1.1/8	1.5/32	1.29/32	1.7/8	5/8	28.575	29.369	48.419	47.625	15.875	18400	27600	4200	6300	0.123
LT1.1/4B	O10	1.1/4	1.9/32	2.3/32	2.1/16	23/32	31.750	32.544	53.181	52.388	18.256	20000	30000	3800	5400	0.176
LT1.3/8B	O11	1.3/8	1.13/32	2.7/32	2.3/16	23/32	34.953	35.719	56.356	55.563	18.256	21200	31900	3500	5000	0.182
LT1.1/2B	O12	1.1/2	1.17/32	2.11/32	2.5/16	23/32	38.100	38.894	59.531	58.738	18.256	21000	35200	3200	4800	0.202
LT1.5/8B	O13	1.5/8	1.21/32	2.15/32	2.7/16	23/32	41.275	42.069	62.706	61.910	18.256	21500	35100	3200	4600	0.221
LT1.3/4B	O14	1.3/4	1.25/32	2.11/16	2.21/32	3/4	44.450	45.244	68.262	67.474	19.050	32700	55400	2700	4100	0.277
LT1.7/8B	O15	1.7/8	1.29/32	2.13/16	2.25/32	3/4	47.625	48.419	71.438	70.644	19.050	27800	49700	2800	4000	0.289
LT2(B)	O16	2	2.1/32	2.31/32	2.15/16	3/4	50.800	51.594	75.406	74.613	19.050	31600	61500	2400	3800	0.305
LT2.1/4(B)	O18	2.1/4	2.9/32	3.11/32	3.5/16	7/8	57.150	57.943	84.931	84.138	22.230	38200	74900	2200	3600	0.457
LT2.1/2(B)	O20	2.1/2	2.17/32	3.23/32	3.11/16	1	63.500	64.290	94.456	93.663	25.400	54100	102900	2000	2900	0.643
LT3(B)	O24	3	3.1/16	4.3/8	4.5/16	1.1/8	76.200	77.790	111.125	109.544	28.575	62900	130300	1600	2600	0.949
LT3.1/2(B)	O28	3.1/2	3.9/16	5.1/16	5	1.1/4	88.900	90.490	128.588	127.000	31.750	82400	168600	1500	2200	1.350
LT4(B)	O32	4	4.1/16	5.3/16	5.3/4	1.3/8	101.600	103.190	147.638	146.050	34.930	108100	227600	1300	1900	2.051
LT4.1/2(B)	O36	4.1/2	4.9/16	6.9/16	6.1/2	1.3/4	114.300	115.890	166.688	165.100	44.450	131400	280100	1000	1700	3.122