

# Townsend Bearings

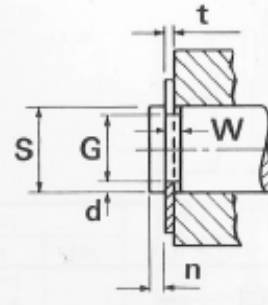


## Circlips



All dimensions in mm

Standard material - carbon spring steel.  
Standard finish - phosphate and oil.



Circlip in groove

\*This size in Beryllium copper only

SIZE CODE	B.S. Ref	Shaft (S)		Groove (G)						Circlip (F)					Tc† (N)	Tg† (N)	Applicator	BASE	
		S.	Tol.	G.	Tol.	W.	Tol.	n (min)	d Nom	t	Tol.	D1	C1	A					Tol.
*0008	008MS	1.20	±0.20	0.8	+0.00 -0.04	0.24	+0.04 -0.00	0.4	0.20	0.20	±0.02	1.95	2.25	0.58	±0.04	63	30	—	—
0012	012MS	1.70	±0.30	1.2		0.34		0.6	0.25	0.30		2.90	3.25	1.01		203	53	2B	DR 1.2
0015	015MS	2.25		1.5		0.44		0.8	0.38	0.40		3.85	4.25	1.28		358	105	21A	DR 1.5
0019	019MS	2.75	±0.25	1.9	+0.00 -0.06	0.54		1.0	0.43	0.50		4.40	4.8	1.61		546	145	22	DR 1.9
0023	023MS	3.50	±0.50	2.3		0.64		1.0	0.60	0.60		5.90	6.3	1.94		835	260	3C	DR 2.3
0032	032MS	4.50		3.2		0.64	+0.05 -0.00	1.0	0.65	0.60	±0.048	6.80	7.3	2.70	±0.048	1070	365	AM9	DR 3.2
0040	040MS	6.00		4.0	+0.00	0.74		1.2	1.00	0.70		8.80	9.3	3.34		1670	745	23B	DR 4
0050	050MS	7.00	±1.00	5.0	-0.075	0.74		1.2	1.00	0.70		10.75	11.3	4.11		1950	870	7B	DR 5
0060	060MS	8.00		6.0		0.74		1.2	1.00	0.70		11.75	12.3	5.26		2220	995	24	DR 6
0070	070MS	9.50	±1.50	7.0		0.94		1.5	1.25	0.90		13.80	14.3	5.84		3400	1480	15	FR 7
0080	080MS	10.50		8.0	+0.00	1.05		1.8	1.25	1.00	±0.03	15.60	16.3	6.52	±0.058	4170	1630	AM20	FR 8
0090	090MS	12.00		9.0	-0.09	1.15		2.0	1.50	1.10		18.20	18.8	7.63		5250	2240	25	FR 9
0100	100MS	13.00	±2.00	10.0		1.25		2.0	1.50	1.20		19.65	20.4	8.32		6200	2430	26	FR 10
0120	120MS	15.50	±2.50	12.0	+0.00	1.35	+0.08 -0.00	2.5	1.75	1.30		22.65	23.4	10.45		8010	3370	27	FR 12
0150	150MS	20.00	±4.00	15.0	-0.11	1.55		3.0	2.50	1.50		28.60	29.4	12.61		11900	6220	20B	FR 15
0190	190MS	25.50	±5.50	19.0	+0.00	1.85		3.5	3.25	1.75	±0.084	36.70	37.6	15.92	±0.084	17700	10300	32A	FR 19
0240	240MS	31.50	±6.50	24.0	-0.13	2.05		4.0	3.75	2.00		43.65	44.6	21.88		25000	14700	—	—

Sizes printed in grey are preferred sizes.