



PRE-LOAD WAVED WASHERS

APPLICATION

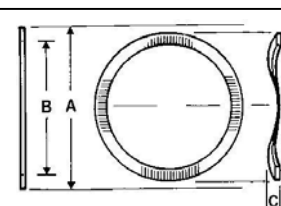
For pre-loading bearings in electric motors. The waved washer is installed in the bearing housing and works by maintaining a force on the outer race of the ball bearing, ensuring smooth and quiet running which results in extended life.

PLW WAVED WASHER SERIES

Development in liaison with bearing and electric motor manufacturers on the optimum loading characteristics required.

MATERIALS AND FINISHES

All the waved washers are supplied in self colour high carbon spring steel. Other materials can be used on request (Stainless Steel , Beryllium Copper, etc). Please contact our Sales department for further details.



- A = Outside diameter when flat
- B = Inside diameter when flat
- C = Free height of washer (approx)
- S = Material thickness
- H1 = Height at which specified load achieved (see table)
- N = Number of waves

INCH SERIES (IMPERIAL)

EMO REF	To suit bearing housing diameter	A (inch)	B (inch)	S (inch)	C (inch)	N	H1 (inch)	Load at H1 (lb)	Bearing References
PLW 1	0.375	0.36	0.23	0.008	0.06	2	0.031	3	EE0
PLW 2	0.500	0.48	0.30	0.010	0.06	2	0.031	5	EE1
PLW 3	0.750	0.73	0.51	0.008	0.08	3	0.063	6	EE2
PLW 4	0.875	0.86	0.64	0.010	0.08	3	0.063	10	EE3
PLW 5	1.125	1.11	0.86	0.014	0.11	3	0.063	13	EE4
PLW 6	1.313	1.30	1.05	0.010	0.13	3	0.063	6	MJ1/4 LJ1/2
PLW 7	1.313	1.30	1.05	0.016	0.13	3	0.063	13	
PLW 8	1.375	1.36	1.11	0.016	0.13	3	0.063	16	EE5
PLW 9	1.500	1.48	1.23	0.015	0.16	3	0.063	10	MJ3/8
PLW 10	1.563	1.55	1.30	0.016	0.16	3	0.063	16	LJ5/8
PLW 12	1.625	1.61	1.30	0.016	0.16	3	0.063	19	EE6 MJ1/2
PLW 13	1.750	1.73	1.42	0.016	0.19	3	0.063	19	EE7
PLW 14	1.813	1.80	1.48	0.018	0.19	3	0.063	16	MJ5/8
PLW 15	1.875	1.86	1.55	0.016	0.19	3	0.063	19	EE8 LJ3/4
PLW 17	2.000	1.98	1.61	0.018	0.22	3	0.063	19	EE9 MJ3/4 LJ7/8
PLW 18	2.000	1.98	1.61	0.018	0.22	3	0.063	22	
PLW 20	2.125	2.11	1.67	0.018	0.22	3	0.063	29	EE10
PLW 22	2.250	2.23	1.80	0.020	0.22	3	0.063	24	EE11 MJ7/8 LJ1
PLW 23	2.250	2.23	1.80	0.020	0.26	3	0.063	31	
PLW 24	2.500	2.48	2.05	0.020	0.22	3	0.063	24	EE12 MJ1 LJ1.1/8
PLW 26	2.500	2.48	2.05	0.020	0.29	3	0.063	35	
PLW 28	2.690	2.67	2.17	0.022	0.25	3	0.063	37	XLJ1.1/8
PLW 30	2.813	2.80	2.30	0.024	0.25	3	0.063	29	MJ1.1/8
PLW 31	2.875	2.86	2.36	0.024	0.25	3	0.063	39	XLJ1.5/8

EMO REF	To suit bearing housing diameter	A (inch)	B (inch)	S (inch)	C (inch)	N	H1 (inch)	Load at H1 (lb)	Bearing References
PLW 32	3.000	2.98	2.48	0.024	0.28	3	0.063	35	LJ1.3/8
PLW 34	3.125	3.11	2.48	0.024	0.28	3	0.063	31	MJ1.1/4
PLW 36	3.250	3.23	2.61	0.024	0.28	3	0.063	37	LJ1.1/2
PLW 37	3.313	3.30	2.67	0.024	0.31	3	0.063	51	XLJ2
PLW 38	3.500	3.48	2.80	0.024	0.31	3	0.063	35	MJ1.3/8
PLW 40	3.563	3.55	2.80	0.024	0.31	3	0.063	57	XLJ2.1/4
PLW 41	3.750	3.73	2.98	0.024	0.34	3	0.063	37	MJ1.1/2
PLW 44	4.000	3.98	3.23	0.028	0.34	3	0.063	42	ML1.5/8 LJ2
PLW 46	4.000	3.98	3.23	0.028	0.40	3	0.063	51	
PLW 48	4.250	4.23	3.48	0.028	0.34	3	0.063	44	MJ1.3/4
PLW 57	5.250	5.23	4.42	0.036	0.44	3	0.063	70	LJ2.3/4

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