



B Series Imperial

HORIZONTAL SOFT BEARING BALANCING MACHINES REFERENCE CHART

Model Number	IMPERIAL CAPACITIES								
	B01	B02	B5	B10	B20	B50	B100	B150	B200
Minimum Weight Capacity (lb)	0.022	0.066	5	10	20	50	100	150	250
Maximum Weight Capacity (lb)	7	15	500	1,000	2000	5,000	10,000	15,000	25,000
Maximum Rotor Dia. (inches)	10	16.3	36	40	45	94	115	115	124
Journal Dia. Range (inches)	0.08-1.18	0.24-2.4	.5-8	.5-8	.75-13	.75-13	1.0-15	1.0-15	3.0-24
Maximum Sensitivity (g-in) per plane #1	0.0006	0.0006	0.06	0.08	0.16	0.16	0.4	0.4	0.6
Minimum Residual Unbalance (g-in / lb) #2	0.0005	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
Standard Base Length (inches)	20.5	20.5	55	55	55	85.5	84	132	132
Maximum Journal Separation (inches)	15.7	15.7	47.25	49.5	49.5	80	75	123	124
Minimum Journal Separation drive between supports (inches) w/	1	1	2	6	6	10	12	12	17
Minimum Journal Separation drive outboard of supports (inches) w/	0.5	0.5	1	2	6	5.5	5.5	8	8
Driven Dia. Range (inches)	.08-4	.24-4	1.0-24	1.0-24	1.0-24	1.0-55	1.0-55	1.0-60	1.0-60
Drive Belt Width (inches)	0.24	0.24	0.5	0.5	1	1	1	1.75	3
Standard Drive Motor HP (variable speed)	0.07	0.07	1	2	3	5	10	15	25
Standard Drive Voltage (Others by request)	115V 1PH	115V 1PH	230V 1PH	230V 1PH	230V 1PH	230V 1PH	460V 3PH	460V 3PH	460V 3PH
Optional									
Base Extensions (inches)	*****	*****	55	55	55	84	84	48/84/132	48/84/132

#1. For standard ISO 2953 Test Rotors, In order to achieve this accuracy, the machine must be fixed to a suitable foundation and far enough away from and insulated against any sources of vibration.

#2. But not to exceed .000005 inches mass center displacement. Value is per plane.

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Specifications are subject to change without prior notice.

IRD P/N E51381 Rev 6

jw 10/15



B Series Metric

HORIZONTAL SOFT BEARING BALANCING MACHINES REFERENCE CHART

Model Number	METRIC CAPACITIES								
	B01	B02	B5	B10	B20	B50	B100	B150	B200
Minimum Weight Capacity (kg)	0.009	0.03	3	5	10	23	45	68	114
Maximum Weight Capacity (kg)	3	7	230	450	900	2 300	4 500	6 800	11 350
Maximum Rotor Dia.(mm)	254	415	915	1 000	1 150	2 400	2 920	2 920	3 150
Journal Dia. Range (mm)	2 - 30	6 - 60	13-203	13-203	19-330	19-330	25-380	25-380	76-610
Maximum Sensitivity (g-mm) per plane #1	0.015	0.015	1.5	2	4	4	10	10	14
Minimum Residual Unbalance (g-mm / kg) #2	0.03	0.03	0.0635	0.0635	0.0635	0.0635	0.0635	0.0635	0.0635
Standard Base Length (mm)	520	520	1 400	1 400	1 400	2 170	2130	3 350	3 350
Maximum Journal Separation (mm)	400	400	1 200	1 250	1 250	2 030	1 900	3 120	3 150
Minimum Journal Separation w/ drive between supports (mm)	25	25	50	152	152	254	305	305	430
Minimum Journal Separation w/ drive outboard of supports (mm)	13	13	25	51	152	140	140	203	203
Driven Dia. Range (mm)	2-102	6-102	25-610	25-610	25-610	25-1400	25-1 400	25-1 525	25-1 525
Drive Belt Width (mm)	6	6	13	13	25	25	25	44	76
Standard Drive Motor kW (variable speed)	0.05	0.05	0.75	1.5	2.2	3.7	7.5	11	19
Standard Drive Voltage (Others by request)	115V 1PH	115V 1PH	230V 1PH	230V 1PH	230V 1PH	230V 1PH	460V 3PH	460V 3PH	460V 3PH
Optional									
Base Extensions (mm)	*****	*****	1400	1400	1400	2130	2130	1220/2130 3050	1220/2130 3050

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