

Mechanical Properties and Specification Dimensions Table of Elastic Sliding Bearings

Specification	ESB 300	ESB 400	ESB 500	ESB 600	ESB 700	ESB 800	ESB 900	ESB 1000	ESB 1100	ESB 1200	ESB 1300	ESB 1400	ESB 1500
Outer Diameter(mm)	320	420	520	620	720	820	920	1020	1120	1220	1320	1420	1520
Effective Diameter (mm)	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Innerhole Diameter(mm)	20	40	40	30	40	40	50	80	80	80	100	100	100
Total Rubber Thickness (mm)	17	12	19	19.2	20	25	30	40	44	44	48	48	48
Sealing Plate Thickness (mm)	20	20	20	20	25	25	28	28	30	30	32	32	32
Flange Plate Thickness (mm)	25	25	25	25	25	30	30	30	40	40	42	42	42
Sliding Material Thickness (mm)	7	7	7	7	7	7	7	7	7	7	7	7	7
Mirror Stainless Steel Thickness (mm)	5	5	5	5	8	8	8	8	8	8	8	8	8
Base Plate Thickness (mm)	25	25	25	25	25	28	28	28	28	28	28	28	28
Supporting Height (mm) (Sliding Material+Rubber+Flange Plate)	100	89	95	106	114	122	130	158	178	178	190	190	190.5
Total Bearing Height (mm)	130	119	125	136	147	158	166	194	214	214	226	226	226.5
Vertical Stiffness (kN/mm)	3500	5500	7000	9000	12000	13000	14000	16000	17000	20000	23000	27000	30000
Initial Stiffness (kN/mm)	3.60	8.80	9.00	12.50	16.50	20.00	21.00	18.00	22.00	26.00	28.00	32.00	35.00
Dynamic Friction Coefficient (Medium Friction Coefficient Series)	Bench- mark	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055
Dynamic Friction Coefficient (Low Friction Coefficient Series)	Bench- mark	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
S1	31.00	33.00	31.00	46.76	33.00	38.00	42.50	48.71	46.36	50.91	49.18	53.28	57.38
S2	17.65	33.33	26.32	31.25	35.00	32.00	30.00	25.00	25.00	27.27	27.08	29.17	31.25