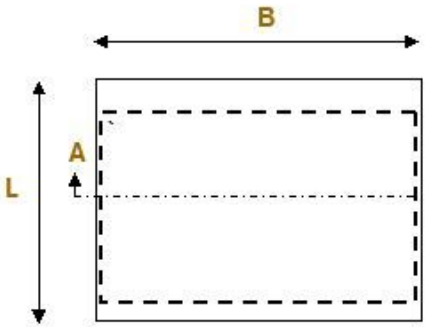
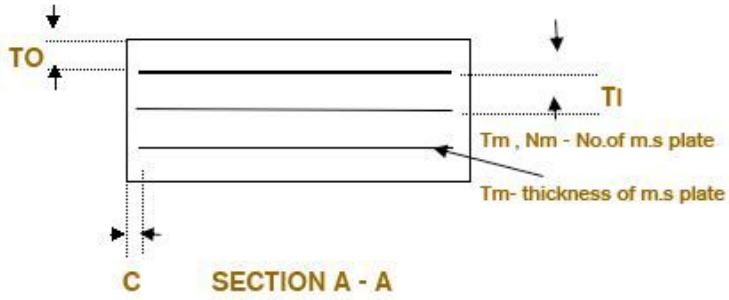
Based on BS 5400 Part 9.2:1983,Shear Modulus, G=0.9 N/mm2,
Hardness,IRHD = 60, Bulk Modulus,Eb = 2,000N/mm2





Note 1 :
The Laminated Elastomeric Bearing shall be designed and manufactured in accordance with BS 5400.Section 9.2. : 1983

Laminated Rubber Bearing - Data sheet 600 X 400

Plan dimensions : 600 X 400
Top & bottom cover rubber thickness,To = 6mm
Side cover rubber thickness,C =10mm
Steel plate thickness,Tm = 4.5mm

PART	DIMENSIONS			Calculated	Calculated	Fixed Bearing		Free Bearing		Unlocated	
No	B	L	T	Compressive	Rotational	Max Load	Max Load	Max Load	Max Load	Maximum	Shear
				Stiffness	Capacity	Zero Rotation	Full Rotation	Zero Rotation	Full Rotation	Shear	Stiffness
	(mm)	(mm)	(mm)	(kN/mm)	RAD/100kN	(kN)	(kN)	(kN)	(kN)	mm	kN/mm
EB6040/2/12	400	600	49.5	2434	0.00032	3810	3320	3560	2765	25.2	6.00
EB6040/3/12	400	600	66.0	1753	0.00043	3810	3250	3470	2673	33.6	4.50
EB6040/4/12	400	600	82.5	1370	0.00058	3810	3205	3390	2610	42.0	3.60
EB6040/5/12	400	600	99.0	1125	0.00070	3810	3180	3305	2560	50.4	3.00
EB6040/6/12	400	600	115.5	954	0.00083	3810	3160	3220	2510	58.8	2.57
EB6040/7/12	400	600	132.0	828	0.00095	3810	3140	3140	2470	67.2	2.25
EB6040/1/15	400	600	36.0	2602	0.00030	4045	2930	3305	2465	18.9	8.00
EB6040/2/15	400	600	55.5	1478	0.00051	3050	2715	2810	2260	29.4	5.14
EB6040/3/15	400	600	75.0	1032	0.00076	3050	2620	2730	2160	39.9	3.79
EB6040/4/15	400	600	94.5	793	0.00100	3050	2570	2640	2100	50.4	3.00
EB6040/1/18	400	600	39.0	1727	0.00045	3370	2415	2740	2040	21.0	7.20
EB6040/2/18	400	600	61.5	938	0.00084	2540	2198	2315	1830	33.6	4.50
EB6040/3/18	400	600	84.0	644	0.00123	2540	2110	2230	1745	46.2	3.27