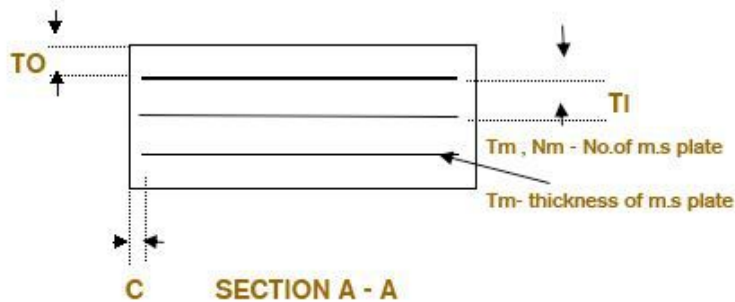
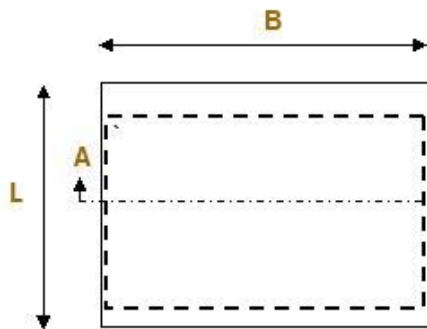


Based on BS 5400 Part 9.2:1983, Shear Modulus, $G=0.9 \text{ N/mm}^2$,
 Hardness, IRHD = 60, Bulk Modulus, $E_b = 2,000 \text{ N/mm}^2$



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 400 X 350

Plan dimensions : 400 X 350
 Top & bottom cover rubber thickness, $T_o = 6 \text{ mm}$
 Side cover rubber thickness, $C = 10 \text{ mm}$
 Steel plate thickness, $T_m = 3 \text{ mm}$

PART No	DIMENSIONS			Calculated	Calculated	Fixed Bearing		Free Bearing		Unlocated	
	B	L	T	Compressive Stiffness	Rotational Capacity	Max Load Zero Rotation	Max Load Full Rotation	Max Load Zero Rotation	Max Load Full Rotation	Maximum	Shear
	(mm)	(mm)	(mm)	(kN/mm)	RAD/100kN	(kN)	(kN)	(kN)	(kN)	mm	kN/mm
EB4035/2/09	350	400	39	1554	0.00054	1929	1715	1800	1420	21.0	4.20
EB4035/3/09	350	400	51	1184	0.00072	1920	1710	1770	1400	27.3	3.23
EB4035/4/09	350	400	63	956	0.00095	1920	1714	1730	1380	33.6	2.63
EB4035/5/09	350	400	75	801	0.00112	1920	1707	1695	1360	39.9	2.21
EB4035/6/09	350	400	87	690	0.00130	1920	1700	1650	1340	46.2	1.91
EB4035/7/09	350	400	99	606	0.00150	1920	1700	1620	1320	52.5	1.68
EB4035/1/12	350	400	30	1469	0.00061	1923	1490	1800	1253	16.8	5.25
EB4035/2/12	350	400	45	892	0.00102	1445	1420	1330	1175	25.2	3.50
EB4035/3/12	350	400	60	640	0.00140	1445	1400	1820	1080	33.6	2.63
EB4035/4/12	350	400	75	499	0.00180	1445	1370	1260	1110	42.0	2.10
EB4035/2/15	350	400	51	528	0.00170	1150	1140	1050	950	29.4	3.0
EB4035/3/15	350	400	69	368	0.00247	1150	1100	1100	900	39.9	2.21
EB4035/4/15	350	400	87	282	0.00320	1150	1075	980	870	50.4	1.75