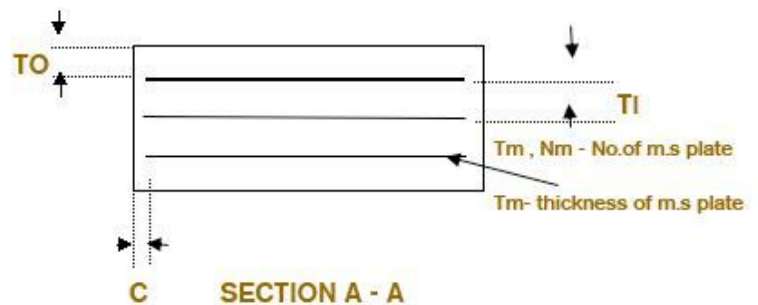
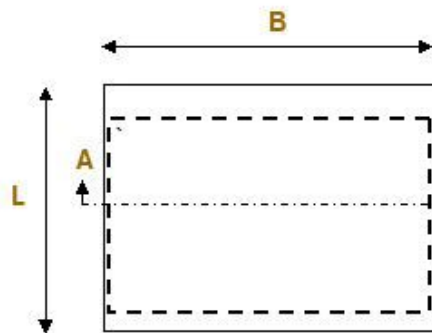


Based on BS 5400 Part 9.2:1983, Shear Modulus, $G=0.9 \text{ N/mm}^2$,
 Hardness, IRHD = 60, Bulk Modulus, $E_b = 2,000 \text{ N/mm}^2$



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 510 X 300

Plan dimensions : 510 X 300
 Top & bottom cover rubber thickness, $T_o = 6 \text{ mm}$
 Side cover rubber thickness, $C = 10 \text{ mm}$
 Steel plate thickness, $T_m = 4.5 \text{ mm}$

PART No	DIMENSIONS			Calculated Compressive Stiffness (kN/mm)	Calculated Rotational Capacity (RAD/100kN)	Fixed Bearing		Free Bearing		Unlocated	
	B (mm)	L (mm)	T (mm)			Max Load Zero Rotation (kN)	Max Load Full Rotation (kN)	Max Load Zero Rotation (kN)	Max Load Full Rotation (kN)	Maximum Shear (mm)	Shear Stiffness (kN/mm)
EB5130/2/12	300	510	49.5	991	0.00108	2370	1720	1910	1410	25.2	3.83
EB5130/3/12	300	510	66	711	0.00151	2370	1680	1850	1350	33.6	2.87
EB5130/4/12	300	510	82.5	555	0.0019	2370	1660	1780	1310	42.0	2.3
EB5130/5/12	300	510	99	455	0.00236	2370	1640	1720	1280	50.4	1.91
EB5130/6/12	300	510	115.5	385	0.00278	2030	1635	1600	1250	58.8	1.64
EB5130/7/12	300	510	132.0	334	0.00318	1780	1630	1355	1220	67.2	1.43
EB5130/1/15	300	510	36	1042	0.00103	1950	1510	1560	1230	18.9	5.1
EB5130/2/15	300	510	55.5	587	0.00182	1900	1400	1500	1150	29.4	3.28
EB5130/3/15	300	510	75	409	0.00262	1900	1350	1440	1090	39.9	2.42
EB5130/4/15	300	510	94.5	313	0.00338	1900	1330	1375	1052	50.4	1.91
EB5130/1/18	300	510	39	679	0.00158	1630	1247	1290	1030	21.0	4.59
EB5130/2/18	300	510	61.5	367	0.00292	1580	1132	1230	930	33.6	2.87
EB5130/3/18	300	510	84	251	0.00427	1580	1087	1170	880	46.2	2.09