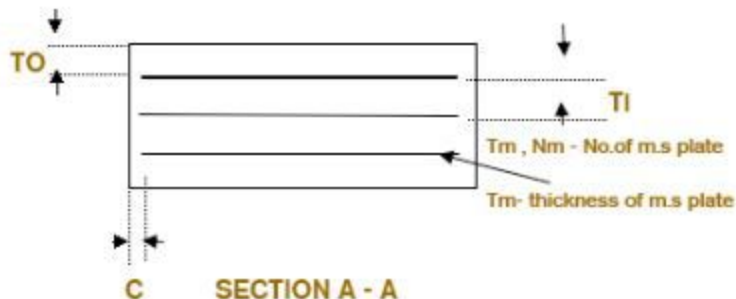
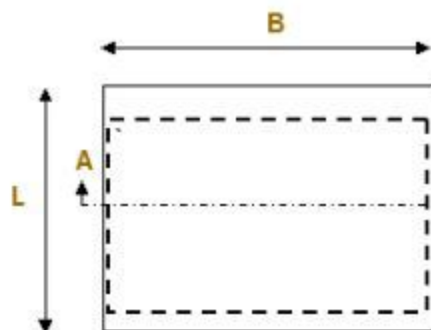


Based on BS 5400 Part 9.2:1983, Shear Modulus, $G=0.9 \text{ N/mm}^2$,
 Hardness, IRHD = 60, Bulk Modulus, $E_b = 2,000 \text{ N/mm}^2$



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 300 X 150

Plan dimensions : 300 X 150
 Top & bottom cover rubber thickness, $T_o = 4 \text{ mm}$
 Side cover rubber thickness, $C = 6 \text{ mm}$
 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	Stiffness
	(mm)	(mm)	(mm)	(kN/mm)	RAD/100kN	(kN)	(kN)	(kN)	(kN)	mm	kN/mm
EB3015/2/08	150	300	29	498	0.00438	740	490	570	395	14.0	2.03
EB3015/3/08	150	300	38	379	0.00573	740	490	550	380	18.2	1.56
EB3015/4/08	150	300	47	306	0.00710	740	490	534	375	22.4	1.27
EB3015/5/08	150	300	56	257	0.00847	670	487	515	365	26.6	1.07
EB3015/6/08	150	300	65	221	0.00984	580	486	452	350	30.8	0.92
EB3015/7/08	150	300	74	194	0.01121	512	486	380	340	35.0	0.81
EB3015/1/09	150	300	23	366	0.00594	490	388	389	310	11.9	2.38
EB3015/2/09	150	300	35	212	0.01026	490	375	369	290	18.2	1.56
EB3015/3/09	150	300	47	149	0.01457	487	364	350	276	24.5	1.16
EB3015/4/09	150	300	59	115	0.01889	388	358	300	262	30.8	0.92
EB3015/1/12	150	300	26	187	0.0116	370	295	287	233	14.0	2.03
EB3015/2/12	150	300	41	101	0.02158	370	273	267	214	22.4	1.27
EB3015/3/12	150	300	56	69	0.03158	290	262	226	199	30.8	0.92
EB3015/4/12	150	300	71	52	0.04154	228	256	164	185	39.2	0.72
EB3015/5/12	150	300	86	86	0.05152	188	252	123	171	47.6	0.6