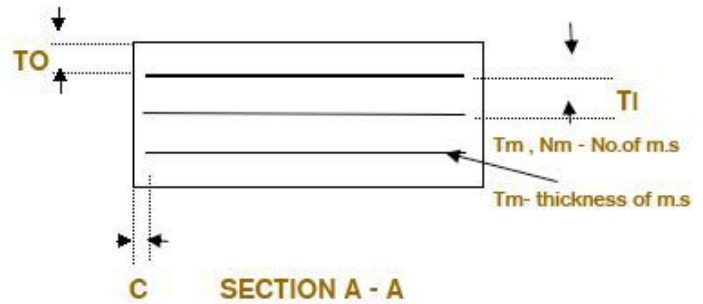
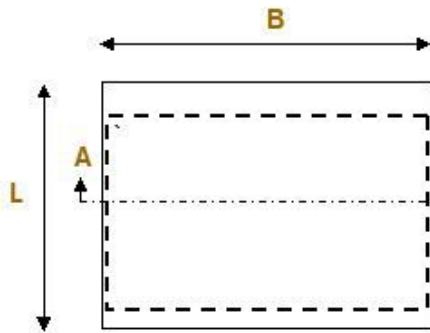


Based on BS 5400 Part 9.2:1983, Shear Modulus, $G=0.9 \text{ N/mm}^2$,
 Hardness, IRHD = 60, Bulk Modulus, $E_b = 2,000 \text{ N/mm}^2$



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 280

Plan dimensions : 400 X 280
 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 Compressive Stiffness	Calculated Rotational Capacity	Fixed Bearing		Free Bearing		Unlocated Shear	Shear Stiffness
	B	L	T			Max Load Zero Rotation	Max Load Full Rotation	Max Load Zero Rotation	Max Load Full Rotation		
	(mm)	(mm)	(mm)	(kN/mm)	RAD/100kN	(kN)	(kN)	(kN)	(kN)	mm	kN/mm
EB4028/2/09	280	400	35	1416	0.00079	1600	1440	1490	1200	18.2	3.88
EB4028/3/09	280	400	47	1002	0.00112	1600	1402	1450	1160	24.5	2.88
EB4028/4/09	280	400	59	776	0.00143	1600	1378	1410	1120	30.8	2.29
EB4028/5/09	280	400	71	633	0.00176	1600	1360	1370	1105	37.1	1.90
EB4028/6/09	280	400	83	534	0.00210	1600	1352	1340	1080	43.4	1.63
EB4028/7/09	300	510	95	462	0.00242	1600	1342	1300	1060	49.7	1.42
EB4028/1/12	280	400	26	1300	0.00085	1648	1150	1340	970	14.0	5.04
EB4028/2/12	280	400	41	707	0.00158	1200	1050	1100	880	22.4	3.15
EB4028/3/12	280	400	56	485	0.00230	1200	1010	1060	830	30.8	2.29
EB4028/4/12	280	400	71	370	0.00301	1200	980	1019	810	39.2	1.80
EB4028/1/15	280	400	29	744	0.00150	1319	850	1060	720	16.1	4.38
EB4028/2/15	280	400	47	390	0.00287	960	760	860	640	26.6	2.65
EB4028/3/15	280	400	65	264	0.00424	960	730	820	610	37.1	1.90