

Elastomeric laminated bearings for Structural movements to BS 5400: Part 9 and AASHTO M 251

Bearing code 3710- example 3710132	Plan size mm	Overall height mm	Max.dead +live load zero rotation (kN)*		Max.dead +live load full rotation (kN)*		Shear movement (mm)	Shear stiffness (kN/mm)	Rotation about longer axis RAD/100kN)
			No Shear	maximum Shear	No Shear	Maximum Shear			
132	229x152	36	297	214	112	92	19	1.06	0.0196
134		62	226	164	104	83	32	0.62	0.0366
136		87	160	98	101	77	45	0.44	0.0535
123		39	441	318	173	140	19	1.05	0.0108
126		68	333	241	170	128	32	0.62	0.0189
129		96	235	143	169	119	45	0.44	0.0271
232	305x152	36	447	327	143	119	19	1.41	0.0118
234		62	340	253	133	108	32	0.83	0.0221
236		87	240	154	129	101	45	0.58	0.0323
223		39	663	484	225	184	19	1.40	0.0066
226		68	500	372	221	173	32	0.82	0.0115
229		96	354	225	219	162	45	0.58	0.0165
332	279x229	36	798	609	323	269	19	1.94	0.00350
334		62	798	555	302	246	32	1.14	0.00650
336		87	666	486	294	234	45	0.81	0.00950
323		39	1184	903	481	396	19	1.93	0.00200
326		68	1184	822	473	376	32	1.13	0.00350
329		96	979	712	470	358	45	0.80	0.00500
442	406x279	43	1441	1108	446	377	23	2.78	0.00190
443		58	1441	1058	424	356	32	2.01	0.00280
444		74	1441	1008	412	344	41	1.58	0.00370
432		36	1926	1515	682	575	19	3.44	0.00095
434		62	1926	1415	639	532	32	2.02	0.00170
436		87	1926	1315	623	510	45	1.43	0.00250
551	406x356	35	1711	1357	780	657	20	4.13	0.0010
552		54	1711	1294	706	588	31	2.66	0.0018
553		73	1711	1231	675	556	42	1.96	0.0026
541		32	2142	1715	991	832	18	4.65	0.0007
543		64	2142	1589	901	740	35	2.33	0.0014
544		79	2142	1526	885	718	44	1.86	0.0019
651	610x305	38	2369	1882	816	690	20	5.32	0.00082
652		59	2369	1795	733	616	31	3.42	0.00140
653		80	2369	1708	699	583	42	2.52	0.00210
641		35	2966	2377	1056	892	18	5.98	0.00052
643		70	2966	2205	953	791	35	3.00	0.00120
644		87	2966	2119	935	769	44	2.4	0.00150
751	610x406	38	3848	3107	1485	1259	20	8.08	0.00032
752		59	3848	2995	1344	1133	31	4.55	0.00057
753		80	3848	2883	1286	1076	42	3.36	0.00082
743		70	4817	3694	1714	1430	35	3.99	0.00048
744		87	4817	3582	1684	1394	44	3.19	0.00061

These Elastomeric Laminated Bearings are design and manufactured and tested accordance with B.S.5400 Part 9 in Natural Rubber Compound.

The above sizes as well as special sizes of Laminated elastomeric Bearings are also manufactured in accordance's with AASHTO M 251 in Neoprene - Polychloroprene

* Assuming dead load effect = live load effect.

Reproduced information in consent with M/s. Freyssinet.