

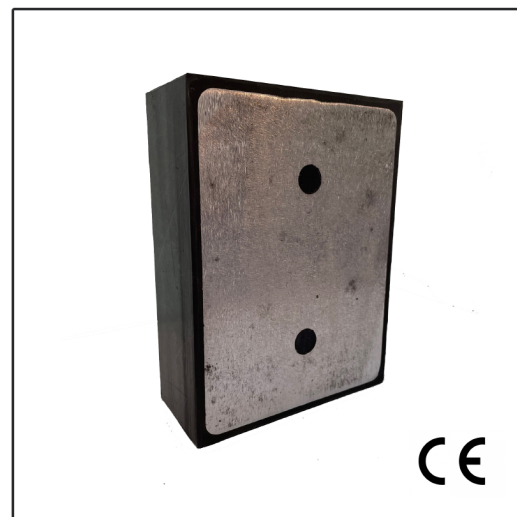
SKE - Type C Bearing

Part of the Dixon
International Group Ltd
www.dig.co.uk

Laminated Elastomeric Bearing - Type C

SKE - Type C reinforced bearing is supplied with upper and lower vulcanise steel plates with or without holes for bolts/dowels to anchored with substructure and superstructure. This steel plates provide protection against bearing slipping when vertical load on bearing is low thus allowing positive fixity. Steel plate enables the bearing to be bolted to external steel work, allowing the potential for the bearings to be externally fixed or guided. An example of type C bearing is shown in the data sheet.

Type C laminated elastomeric bearings comply to the latest Eurocode EN1337-3. Each Type C laminated bearing is subjected to a quick production test before dispatch to site. Strict quality control on every material and manufacturing process is monitored for complete traceability. A design service is available to assist engineers in selecting standard and non standard sizes of bearings. Brochure only provides some of the sizes, for bespoke sizes and solution please get in touch with technical team.



Product Code

Typical reference: C500250(19.0)24C5

C = Type C
500mm = Transverse dimension mm
250mm = Longitudinal dimension mm
19.0mm = Internal rubber layer thickness mm
2 = No. of rubber layers
4 = Thickness of internal steel plates mm
C = Thickness of upper & Lower plates (B-15mm, C-18mm, D-20mm)
5mm = Edge cover around bearing
Overall Bearing Size = 500mm x 250mm x 78mm



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Bearing Code	Dimensions	Max ULS Load	Comp Stiffness	Shear Deflection	Shear Stiff	Rotation
C	mm	No Shear/No Rotation	kN/mm	mm	kN/mm	(Rads)
C152152(05.0)23B5	152x152x43	601	411	10	2.1	0.0098
C152152(09.0)23C5	152x152x57	334	76	18	1.2	0.0301
C152152(08.0)32B5	152x152x58	318	71	24	0.9	0.0267
C229152(05.0)23B5	229x152x43	1125	890	10	3.1	0.0088
C229152(08.0)23B5	229x152x49	703	238	16	2.0	0.0212
C229152(09.0)23C5	229x152x57	625	169	18	1.7	0.0266
C229152(08.0)32B5	229x152x58	594	159	24	1.3	0.0233
C229152(10.0)23C5	229x152x59	563	125	20	1.6	0.0326
C200200(08.0)23B5	200x200x49	900	332	16	2.3	0.0140
C200200(10.0)23C5	200x200x59	720	174	20	1.8	0.0215
C200200(12.0)23C5	200x200x63	600	102	24	1.5	0.0306
C300240(08.0)23B5	300x240x49	2246	1053	16	4.1	0.0093
C300240(10.0)23B5	300x240x59	1797	565	20	3.2	0.0141
C300240(12.0)23C5	300x240x63	1497	336	24	2.7	0.0199
C300240(15.0)23C5	300x240x69	1198	176	30	2.2	0.0307
C300240(16.0)23C5	300x240x71	1123	145	32	2.0	0.0348
C300240(10.0)33C5	300x240x72	1797	377	30	2.2	0.0156
C300240(12.0)33C5	300x240x78	1367	224	36	1.8	0.0220
C300300(05.0)22B5	300x300x42	5122	5402	10	8.1	0.0029
C300300(08.0)23B5	300x300x49	3201	1640	16	5.1	0.0066
C300300(10.0)23C5	300x300x59	2561	889	20	4.1	0.0098
C300300(12.0)23C5	300x300x63	2134	532	24	3.4	0.0139
C300300(14.0)23C5	300x300x67	1829	342	28	2.9	0.0186
C300300(16.0)23C5	300x300x71	1601	232	32	2.5	0.0241
C300300(18.0)23C5	300x300x75	1423	165	36	2.3	0.0303
C300300(20.0)23C5	300x300x79	1280	121	40	2.0	0.0372
C300300(22.0)23C5	300x300x83	1096	91	44	1.8	0.0448
C300300(24.0)23C5	300x300x87	921	71	48	1.7	0.0532
C300300(16.0)43C5	300x300x109	1036	116	64	1.3	0.0283
C300300(08.0)83B5	300x300x115	2072	410	64	1.3	0.0087
C300300(18.0)43C5	300x300x117	819	82	72	1.1	0.0356
C300300(14.0)53C5	300x300x118	1083	137	70	1.2	0.0228
C300300(12.0)63C5	300x300x123	1228	177	72	1.1	0.0175
C300300(10.0)73C5	300x300x124	1516	254	70	1.2	0.0127
C300300(20.0)43C5	300x300x125	663	60	80	1.0	0.0437
C340340(06.0)23B5	340x340x45	6289	5417	12	8.7	0.0032
C340340(08.0)23B5	340x340x49	4717	2628	16	6.5	0.0052
C340340(12.0)23C5	340x340x63	3144	872	24	4.3	0.0109
C340340(14.0)23C5	340x340x67	2695	546	28	3.7	0.0146
C340340(16.0)23C5	340x340x71	2358	384	32	3.3	0.0188
C340340(18.0)23C5	340x340x75	2096	237	36	2.9	0.0237
C340340(20.0)23C5	340x340x79	1887	201	40	2.6	0.0290



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C	mm	No Shear/No Rotation	kN/mm	mm	kN/mm	(Rads)
C340340(22.0)23C5	340x340x83	1715	152	44	2.4	0.0350
C340340(24.0)23C5	340x340x87	1544	118	48	2.2	0.0415
C420300(06.0)23B5	420x300x45	7069	6158	12	9.5	0.0038
C420300(08.0)23B5	420x300x49	5301	3006	16	7.1	0.0061
C420300(07.0)33B5	420x300x57	6059	2817	21	5.4	0.0055
C420300(10.0)23C5	420x300x59	4241	1660	20	5.7	0.0091
C420300(12.0)23C5	420x300x63	3534	1004	24	4.7	0.0126
C420300(14.0)23C5	420x300x67	3029	649	28	4.1	0.0169
C420300(09.0)33C5	420x300x69	4712	1470	27	4.2	0.0083
C420300(16.0)23C5	420x300x71	2651	443	32	3.5	0.0217
C420300(18.0)23C5	420x300x75	2356	315	36	3.2	0.0273
C420300(11.0)33C5	420x300x75	3856	852	33	3.4	0.0119
C420300(20.0)23C5	420x300x79	2121	232	40	2.8	0.0334
C450350(18.0)33C5	450x350x96	3011	333	54	2.6	0.0228
C450350(10.0)53C5	450x350x98	5853	1026	50	2.8	0.0086
C450350(14.0)43C5	450x350x101	3733	510	56	2.5	0.0150
C450350(20.0)33C5	450x350x102	2439	245	60	2.4	0.0279
C450350(08.0)73B5	450x350x104	6533	1305	56	2.5	0.0062
C450350(12.0)53C5	450x350x108	4065	627	60	2.4	0.0118
C450350(22.0)33C5	450x350x108	2016	186	66	2.1	0.0336
C450350(16.0)43C5	450x350x109	2858	350	64	2.2	0.0193
C400400(08.0)23B5	400x400x49	7786	4762	16	9.0	0.0040
C400400(10.0)23C5	400x400x59	6228	2680	20	7.2	0.0058
C400400(12.0)23C5	400x400x63	5190	1639	24	6.0	0.0081
C400400(14.0)23C5	400x400x67	4449	1069	28	5.1	0.0107
C400400(16.0)23C5	400x400x71	3893	733	32	4.5	0.0138
C400400(18.0)23C5	400x400x75	3460	523	36	4.0	0.0173
C400400(20.0)23C5	400x400x79	3114	386	40	3.6	0.0211
C400400(22.0)23C5	400x400x83	2831	293	44	3.3	0.0254
C400400(08.0)53B5	400x400x82	7786	1905	40	3.6	0.0050
C400400(24.0)23C5	400x400x87	2595	227	48	3.0	0.0301
C400400(10.0)53C5	400x400x98	6228	1072	50	2.9	0.0073
C400400(14.0)53C5	400x400x118	3541	428	70	2.1	0.0132
C400400(22.0)53C5	400x400x158	1434	117	110	1.3	0.0310
C400400(08.0)C3B5	400x400x159	4518	794	96	1.5	0.0056
C400400(10.0)A3C5	400x400x163	3470	536	100	1.4	0.0079
C400400(24.0)53C5	400x400x168	1205	91	120	1.2	0.0367