

TECHNICAL DATA SHEET

TYPE B(1) ELASTOMER BEARING



PRODUCT DESCRIPTION

Type B1 non-anchored structural elastomer bearing, made of interchanging layers of grade S355J2+N steel and chloroprene (CR) or natural elastomer (NR). The entirety is vulcanised using hydraulic presses. The bearing height describes the capacity of the bearing shifting and its angle of rotation. Elastomer structural bearings are designed and manufactured pursuant to standard EN 1337-3, elements bear the CE mark concerning conformance to this standard.

USAGE

The type B(1) elastomer bearing is a multidirectional shift bearing used in engineering structures. The usage of additional steel structures supporting the type B(1) allows one to arrive at a non-shifting (fixed) bearing or a single-dimension shift bearing.

REFERENCE DOCUMENTS

- The catalogue *Structural elastomer bearings*
- The European Community Conformity Declaration no. 0432-CPD-221604-1

MODE OF INSTALLATION

The bearing should be set upon a bearing plinth via grouting of low-contraction mortar. Make sure the bearing is suitably levelled in order to introduce the vertical load perpendicularly to the bearing surface.

STORAGE/ TRANSPORT

Store in original manufacturer packaging, at a location protected from humidity and precipitation. Protect top elastomer layer against destruction due to a fall, impact or cut. The bearings are delivered in a package or on wood pallets.

REMARKS

During assembly, correspond to OHS measures in force at the site and to customer suggestions.

TECHNICAL AND COMMERCIAL DATA

Horizontal dimensions a x b / Ø [mm x mm]	Vertical load N z, k [kN]	Bearing height															
		d [mm]															
Rectangular bearings																	
100 x 100	100	14	21	28	35	42											
100 x 150	150	14	21	28	35	42											
100 x 200	200	14	21	28	35	42											
150 x 200	300	21	28	35	42	49	56	63									
200 x 250	625	30	41	52	63	74	85										
200 x 300	750	30	41	52	63	74	85										
200 x 400	1000	30	41	52	63	74	85										
250 x 400	1250	41	52	63	74	85	96										
300 x 400	1800	41	52	63	74	85	96	107	118								
350 x 450	2400	54	69	84	99	114	129	144									
400 x 500	3000	54	69	84	99	114	129	144	159								
450 x 600	4050	54	69	84	99	114	129	144	159	174							
500 x 600	4500	54	69	84	99	114	129	144	159	174	189	204					
600 x 700	6300	70	90	110	130	150	170	190	210	230							
700 x 800	8400	70	90	110	130	150	170	190	210	230	250	270	290	310			
800 x 800	9600	79	102	125	148	171	194	217	240	263	286	309	332				
900 x 900	12000	79	102	125	148	171	194	217	240	263	286	309	332	355	378		
Round bearings																	
200	310	30	41	52	63	74	85										
250	600	41	52	63	74	85	96	107									
300	900	41	52	63	74	85	96	107	118								
350	1200	54	69	84	99	114	129	144									
400	1900	54	69	84	99	114	129	144	159	174							
450	2400	54	69	84	99	114	129	144	159	174	189	204					
500	2900	54	69	84	99	114	129	144	159	174	189	204					
550	3600	54	69	84	99	114	129	144	159	174	189	204					
600	4100	70	90	110	130	150	170	190	210	230	250	270					
650	5000	70	90	110	130	150	170	190	210	230	250	270					
700	5800	70	90	110	130	150	170	190	210	230	250	270	290	310			
750	6600	70	90	110	130	150	170	190	210	230	250	270	290	310			
800	7500	79	102	125	148	171	194	217	240	263	286	309	332				
850	8500	79	102	125	148	171	194	217	240	263	286	309	332				
900	9500	79	102	125	148	171	194	217	240	263	286	309	332	355	378		

Beside standard dimensions, bearings are manufactured with the following dimensions (in mm x mm, the characteristic load bearing capacity of the bearings is given in parentheses): 200x200 (400 kN), 250x250 (781 kN), 250x300 (937 kN), 300x300 (1125 kN), 350x400 (2100 kN), 400x450 (2700 kN), 450x500 (3375 kN), 500x500 (3750 kN), 800x900 (10800 kN).

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