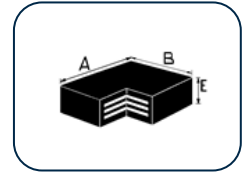


PLAKA – REINFORCED BEARING TYPE P

Fully wrapped reinforced bearing – CR quality

REF 07.02.02 - Version V01 – 21/12/2020



Description



These fully wrapped reinforced bearings are used to transfer vertical (mostly static) high loads.

The unevenness and the differences in parallelism of the contact surfaces are supported by the elastic deformation of the bearing, making an even pressure distribution on the supporting structure.

Application fields

- Support pressure till 15 N/ mm²
- Allow a rotation δ , without inducing tensile stresses outside of the bearing.
- Allow a horizontal movement w

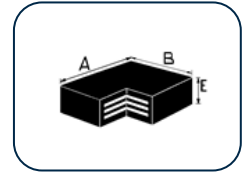
Properties

Mechanical properties & Tolerances	
Rubber type	CR
Density	1.40 ± 0.05 kg/l
Hardness	60 ± 3 Shore °A
Tensile strength	> 14 N/mm ²
Max. permissible compressive stress (SLS)	15 N/mm ²
Elongation at break	≥ 375 %
G-modulus	0.90 N/mm ²
Remaining deformation after compression (DRC 24h at 70 °C)	< 15 %
Colour	Black
Aspect	Smooth on both sides
Steel quality	S235
Adhesion rubber - steel	≥ 7 N/mm ² (NBN EN 1337)
Tolerances	
Horizontal dimensions of the bearing	-2 mm / +4 mm
Thickness of the bearing	-2 mm / +4 mm
Average thickness of the rubber layers	± 12 %
Thickness of the steel plates	± 0.3 mm
Horizontal dimensions of the steel plates	± 2 mm

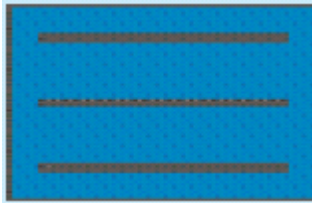
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Dimensions

Material dimensions		
Example of composition of a reinforced bearing 42mm thick		
6mm rubber 2mm steel 12mm rubber 2mm steel 12mm rubber 2mm steel 6mm rubber		
Composition bearing		
Fully wrapped		
Elastomer layer	(5, 8, 11, 15 of 18 mm)	CR
quality and steel plates	(2, 3, 4 of 5 mm)	alternated linked by hot vulcanization to one monolithic whole. The bearing is produced per piece and the steel plates are fully wrapped (2.5 mm).

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