

BR1015E Elastomeric Pads for Building Isolation

Low Load Capacity Rubber Bearings 7 kN – 24 kN

APPLICATION

BR1015E elastomeric bearings are low cost bearings for efficient isolation of building structures from ground-borne vibration.

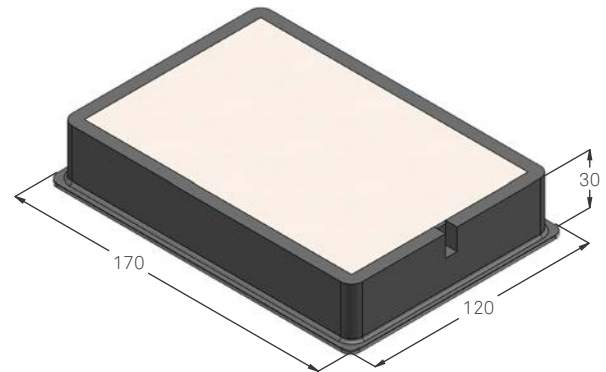
They should not be used for base building isolation, instead multi-plate bearings must be used. They can also be used across a wide range of isolation applications from adjustable height access floors to concrete floating floors and swimming pools.

FEATURES

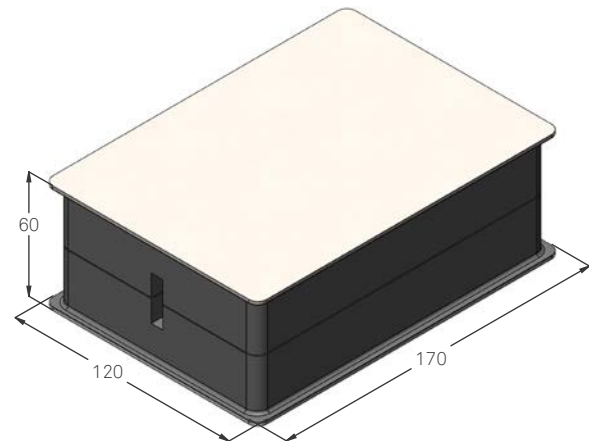
- Construction – made from natural rubber, with steel base plates on either side of bearing
- Load – standard capacity up to 2.4 tonne (24 kN)
- Available in a range of 4 different Shore A hardnesses
- Low Natural Frequency – designed to achieve high levels of isolation
- Standard testing – to 150% of maximum load
- Long life (50 years plus)
- 3-6mm static deflection

OPTIONS

- Stainless steel plate options



BR1015E SINGLE PAD DIMENSIONS



BR1015E DOUBLE PAD DIMENSIONS

BR1015E PRODUCT GUIDE

Type	Shore A Hardness	Dot Colour	Normal Working Load kN	Deflection at Normal Working Load mm	Linear Stiffness (at NWL) kN/mm
BR1015E-7	36-38	Blue	7-9	3	2.3-3.0
BR1015E-10	40-43	White	10-12	3	3.3-4.0
BR1015E-15	52-55	Red	15-18	3	5.0-6.0
BR1015E-20	58-60	Green	20-24	3	6.6-8.0
BR1015E-7 Double	36-38	Blue	7-9	6	1.2-1.5
BR1015E-10 Double	40-43	White	10-12	6	1.7-2.0
BR1015E-15 Double	52-55	Red	15-18	6	2.5-3.0
BR1015E-20 Double	58-60	Green	20-24	6	3.3-4.0

CHARACTERISTICS

Specific Gravity:	0.93-0.95
Colour:	Black
Compression Recovery:	90% min at 1 hour
Damping Co-efficient:	0.13
Thermal Conductivity:	0.15 W.m-1.K-1 approx.
Service Temperature:	Max. 100 Deg. C / Min. -40 Deg. C
Tensile Strength:	20 MPa
Ultimate Tensile Strain:	6%
Tear Strength:	40 kN/m
Maximum Shear Displacement:	3mm
Dielectric Constant:	15
Chemical Resistance:	Resistant to attack by most common reagents. Refer to Embelton for details. Should not be used in applications which are exposed to hydrocarbon solvents, fuels and oils, or strong oxidants.
Dimensions:	170mm x 120mm
Thickness:	30mm (Single Height) / 60mm (Double Height)

STORAGE

Store on pallets or suitable flat surface to prevent any permanent distortion. Keep covered and dry.

TECHNICAL ASSISTANCE

All Embelton offices can provide detailed technical assistance on the use of this product in specific applications.

CONDITIONS OF SALE

These products are sold subject to the published Embelton General Conditions of Sale, copies of which may be inspected on request.



ISOLATION BEARINGS, CHANNEL 7 STUDIOS SYDNEY



CLOSE UP OF ISOLATION BEARING ON SITE

SPECIFICATION

Vibration isolation shall be provided by elastomeric pads. Each pad shall have controlled density and stress strain characteristics and be of type BR1015E in a thickness to suit the application, as supplied by Embelton.