

**CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE**

DoP Number: EA0280

Euro Art Ball Bearing Hinges

Unique identification code of the product-type:

HINBB433, HINBB43.53, HINBB443, HINBB4.543.4, HINBB533

Intended use or uses:

For use on fire and smoke compartmentation doors and escape route doors, when fitted in accordance with the manufacturer's fitting instructions.

Name of manufacturer:

Euro Art (UK) Ltd.
69 Staverton Road, London NW2 5HA, United Kingdom
Email: me@euro-art.co.uk

Harmonised Standard: EN1935:2002

Declared Performance:

Essential Characteristic	Performance	Harmonised Technical Specification
Self-Closing	Initial friction torque with maximum door mass 120 kg: 4 Nm	EN1935:2002
Static Lod	Passed with a displacement under load- Lateral- Pass (not more than 2mm) Vertical- Pass (not more than 4mm) And a residual displacement after unloading- Lateral- Pass (less than 0.6mm) Vertical- Pass (less than 0.3mm)	
Overload	Pass no breakage of any hinge leaf, knuckle, barrel, or pin nor any cracking or deformation visible to normal or corrected vision the hinged test element remained connected to the frame	
Shear Strength	Pass (with a lateral and vertical displacement after unloading not more than 1 mm)	
Hinges for use on fire-resistant and/or smoke-controls doors	Pass (Grade 1: suitable for use on fire/smoke resistant door assemblies)	

<p>Essential characteristics Durability</p>	<p>Passed a 200 000 cycles test with a maximum wear- Lateral (less than 0.5mm) Vertical (less than 0.1mm) With a maximum frictional torque- after 20 cycles 4Nm After completion of 200, 000 cycles 4Nm Corrosion resistance- Pass (grade 4- 240hrs)</p>	<p>EN1935:2002</p>
<p>Dangerous Substance</p>	<p>The materials in the products do not contain or release any dangerous substances more than the maximum levels specified in existing European material standards or any national regulations</p>	

Signed for and on behalf of the manufacturer by:




Tabish Khan
Sales Director

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