m.marcus
architectural hardware

CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE

DoP Number:

G-SS3X2G7

1. Unique identification code of the product-type:

SS-3X2-AT, SS-3X2-MB, SS-3X2-SB Stainless Steel 3"x2"x2mm Ball Bearing Single Axis Hinges.

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

SS-3X2-AT, SS-3X2-MB, SS-3X2-SB Stainless Steel 3"x2"x2mm Ball Bearing Single Axis Hinges.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use on escape route doors, when fitted in accordance with the manufacturer's fitting instructions

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

M.Marcus
M.Marcus Limited, Unit 7, Narrowboat Way , Dudley, West Midlands DY2 0XQ , United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN 1935:2002 Notified product certification body No. (Fill in the Notified Body number below) performed the determination of the product type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of the factory production control and continuous surveillance; assessment and evaluation of factory production control; and issued the certificate of constancy of performance of the product.

Enter Notified Body Number Here

1121

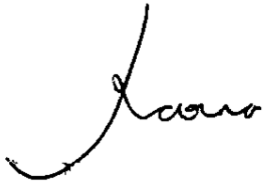## 8. European Technical Assessment:

N/A

9. Declared performance

Essential characteristics Self closing	Performance	Harmonised technical specification
Initial friction torque with max. door mass 40 kg	2 Nm	EN 1935:2002
Static load		
Load deformation	Passed with a displacement under load: -lateral not more than 2 mm -vertical not more than 4 mm and a residual displacement after unloading. -lateral Less than 0.6mm -vertical Less than 0.3mm	
Overload	-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	Passed with a lateral and vertical displacement after unloading. not more than 1 mm	
Hinges for use on fire-resistant and/or smoke-controls doors;	Grade 0: Not suitable for use on fire/smoke resistant door assemblies	

Essential characteristics Durability	Performance	Harmonised technical specification
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral Less than 0.5mm -vertical Less than 1mm with a maximum frictional torque. -after 20 cycles 2 Nm -after the completion of 200000 cycles 2 Nm	EN 1935:2002
Corrosion	Pass Grade 4: 240 hrs	
Dangerous Substances Annex ZA3	The materials in the product(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Narendra Karnani

Managing Director

Date of issue: 07/03/2018

M.Marcus Limited
Dudley, West Midlands DY2 0XQ
United Kingdom

This Declaration of Performance is issued on a standard template provided by the GAI for use in the door and hardware industries. There is no implied endorsement of the content, which is the responsibility of the issuing company.

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