



Carlisle Brass Ltd
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Carlisle
Cumbria
CA3 0JU

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EC - DECLARATION OF CONFORMITY

Number CA204

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9th March 2011 (the Construction Products Regulations or CPR), we declare that the construction product

HIN1322 Ball Bearing Hinge

Placed on the market

**Carlisle Brass Ltd
Parkhouse Road, Carlisle, Cumbria, CA3 0JU**

Complies with all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

EN 1935:2002/AC:2003

with classification

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on the basis that the approved body

Element Materials Technology Rotterdam B.V. – (EC Notified Body 2812)

has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control as shown in the Certificate of Conformity Ref. 2812-CPR-AC0128, dated 23rd December 2020.

Intended use: For use on fire / smoke compartmentation single leaf and double leaf doors

Essential characteristic Self-closing	Performance	Harmonised technical specification
Initial friction torque with max. door mass 40 kg	2 Nm	EN 1935:2002/AC:2003
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 0.6 mm -vertical less than 0.3 mm	
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading, Not more than 3 mm	
Hinges for use on fire-resistant and/or smoke controls doors	Grade 1: suitable for use on fire/smoke resistant door assemblies	
Essential characteristic Durability	Performance	Harmonised technical specification
Durability	Passed a 200,000 cycles test with a maximum wear: -lateral less than 0,5 mm -vertical less than 1 mm With a maximum frictional torque. -after 20 cycles 3 Nm -after completion of 200,000 cycles 3 Nm	EN 1935:2002/AC:2003
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.	

Paul Campbell



Technical Manager

5th January 2021