



Carlisle Brass Ltd
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Carlisle
Cumbria
CA3 0JU

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EC - DECLARATION OF CONFORMITY

Number CA201

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

Stainless Steel Hinges – see Annex A

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-AC0035, dated 23rd December 2020.

Intended use: For use on fire / smoke compartmentation doors and escape route doors

Essential characteristic	Performance	Harmonised technical specification
<p>Self-closing Initial friction torque (door mass 120Kg)</p> <p>Static load Load Deformation</p> <p>Overload</p> <p>Shear Strength</p> <p>Hinges for use on fire-resistant and/or smoke controls doors</p>	<p>4 Nm</p> <p>Passed with a displacement under load: -lateral < 2 mm -vertical < 4 mm and a residual displacement after unloading. -lateral < 0.6 mm -vertical < 0.3 mm</p> <p>Passed</p> <p>Passed with a lateral and vertical displacement after unloading < 3 mm</p> <p>Grade 1: suitable for use on fire/smoke resistant door assemblies</p>	<p>EN 1935:2002/AC:2003</p>
<p>Durability</p> <p>Families of hinges with common design features</p> <p>Corrosion resistance</p>	<p>Passed a 200,000 cycles test with a maximum wear: -lateral < 0,5 mm -vertical < 1 mm With a maximum frictional torque. -after 20 cycles < 3 Nm -after completion of 200,000 cycles < 3 Nm</p> <p>The hinge covered by this CPR is the hinge tested</p> <p>Grade 4: 240 hours</p>	<p>EN 1935:2002/AC:2003</p>
<p>Dangerous substances</p>	<p>Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)</p>	<p>EN 1935:2002/AC:2003</p>

Paul Campbell



Technical Manager

7th January 2021

Annex A

Hinge Reference	Description
CEN1433	102 x 76 x 3mm Grade 316 Stainless Steel Ball Bearing Hinge
CEN1443	102 x 102 x 3mm Grade 316 Stainless Steel Ball Bearing Hinge
HIN1433	102 x 76 x 3mm Stainless Steel Ball Bearing Hinge
HIN1443	102 x 102 x 3mm Stainless Steel Ball Bearing Hinge
HIN1433P	102 x 76 x 3mm Stainless Steel Ball Bearing Hinge
HIN1443P	102 x 102 x 3mm Stainless Steel Ball Bearing Hinge
H2N11015	100 x 100 x 3mm Stainless Steel Non-removeable Pin Thrust Bearing Hinge
H2N1102	100 x 89 x 3mm Stainless Steel Non-removeable Pin Thrust Bearing Hinge
H2N1103	100 x 76 x 3mm Stainless Steel Non-removeable Pin Thrust Bearing Hinge
H2N1424	101.6 x 101.6 x 3mm Stainless Steel Parliament Hinge
H2N1435	101.6 x 127 x 3mm Stainless Steel Parliament Hinge
H2N1446	101.6 x 152 x 3.5mm Stainless Steel Parliament Hinge
H3N1207	100 x 75 x 3mm Stainless Steel Triple Knuckle Concealed Bearing Hinge
H3N1208	100 x 88 x 3mm Stainless Steel Triple Knuckle Concealed Bearing Hinge
HIN1433/HT	102 x 76 x 3mm Stainless Steel Ball Bearing Hospital Tip Hinge
SCH14325	102 x 76 x 2.5mm Stainless Steel Slimline Ball Bearing Hinge
HIN14325	102 x 76 x 2.5mm Stainless Steel Ball Bearing Hinge