

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC8037

In compliance with Construction Products Regulation 2011 (retained EU law EUR 2011/305) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the Construction Product:

H04427 Series Ball Bearing Hinges In Grade 201 Stainless Steel See Annex A

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

Essential characteristics	Performance	Designated standard
Mechanical evidence: WIL 305472, WIL 305472B & WIL 504840 Fire test evidence: WF 305802, WF 514825 & WF375053 iss.3		
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	< 4Nm Passed with a displacement under load: - lateral < 2mm - vertical < 4mm and a residual displacement after unloading: - lateral < 0.6mm - vertical < 0.3mm - within the shaded area of figure G.1 Passed Passed with a lateral and vertical displacement after unloading < 3mm Grade 1: suitable for use on fire/smoke resistant door assemblies	EN 1935:2002 / AC:2003
Durability Families of hinges with common design features Corrosion resistance	Passed a 200,000 cycle test with a maximum wear: - lateral < 0.5mm - vertical < 1mm and with a maximum frictional torque. - after 20 cycles < 4Nm - after the completion of 200,000 cycles < 4Nm The hinge covered by this certificate is the hinge tested Grade 4: 240 hours	
Dangerous substances	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)	

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Placed on the market under the name of

**Nicholls and Clarke Building Materials Ltd
41-51 Freshwater Road
Romford
Essex
RM8 1SP
United Kingdom**

and produced in the manufacturing plant

J/385

This is coded format, and the information is held by the Approved Body

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 1935:2002 / AC:2003

Under System 1 for the performance set out in this certificate are applied and that the Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **12/05/2023** and will remain valid as long as neither the designated standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Approved Product Certification Body.

UKCA certificate valid to: **22/03/2025**



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Paul Duggan
Certification Manager

**Warringtonfire Testing and Certification Limited
Suite 302, The Genesis Centre, Birchwood, Warrington, WA3 7BH, UK**

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Annex A

Model Reference	Description
H0442736 H0442746	102 x 76 x 3mm Grade 201 stainless steel hinge Satin stainless steel finish Square/radiused corners
H0442737 H0442747	102 x 76 x 3mm Grade 201 stainless steel hinge Polished stainless steel finish Square/radiused corners
H0442738 H0442748	102 x 76 x 3mm Grade 201 stainless steel hinge PVD polished brass finish Square/radiused corners

The above sold as pair and halves

Model Reference	Description
H0442716 H0442726	102 x 76 x 3mm Grade 201 stainless steel hinge Satin stainless steel finish Square/radiused corners
H0442717 H0442727	102 x 76 x 3mm Grade 201 stainless steel hinge Polished stainless steel finish Square/radiused corners
H0442718 H0442728	102 x 76 x 3mm Grade 201 stainless steel hinge PVD polished brass finish Square/radiused corners

The above sold as pairs