

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC8038

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:

20.07 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 375053 Issue 3, WF 305805, WF 514825		
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation	< 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	EN 1935:2002 / AC:2003
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading < 3mm	
Hinges for use on fire-resistant and/or smoke-controls doors	Grade 1: suitable for use on fire/smoke resistant door assemblies	
Durability	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	
Families of hinges with common design features	The hinges covered by this certificate are listed in Annex A.	
Corrosion resistance	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

**Merlin Architectural
Rossmore House
Rossmore Road East
Ellesmere Port
Cheshire
CH65 3DA
United Kingdom**

and produced in the manufacturing plant

J/392

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 **14/06/2023** 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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A handwritten signature in black ink, appearing to read 'Paul Duggan'.

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
20.07.01.07 20.07.02.07	102 x 76 x 3mm Grade 201 stainless steel hinge Satin stainless steel finish Square/radiused corners
20.07.01.08 20.07.02.08	102 x 76 x 3mm Grade 201 stainless steel hinge Polished stainless steel finish Square/radiused corners
20.07.01.04 20.07.02.04	102 x 76 x 3mm Grade 201 stainless steel hinge PVD polished brass finish Square/radiused corners