

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC5012

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product:

J-451-BT Series Grade 7 Button Tip Single Axis Hinge See Annex A

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

Essential characteristics	Performance	Harmonised technical specification
Mechanical test evidence: WIL 313987 Fire test evidence: WF 316346		
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation	< 2Nm 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 Shear strength	Passed 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 < 2Nm - after the completion of 200,000 cycles < 2Nm	
Families of hinges with common design features Corrosion resistance	The hinge covered by this certificate is the hinge tested Grade 3: 96 hours	

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Placed on the Market under the Name of

**Frelan Hardware Limited
Unit 10 Mitcham Industrial Estate
Streatham Road
Mitcham
Surrey
CR4 2AP
United Kingdom**

and produced in the manufacturing plant

CUC89710-4

This is coded format and the information is held by the Notified Body

This certificate attests that all provisions concerning the Assessment and Verification of Constancy of Performance 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 **21/10/2020** and re-issued on **25/03/2024** and will remain valid as long as neither the harmonised standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Notified Product Certification Body.

CE Marking certificate valid to: **22/03/2027**

ERO Project Reference: **034621 P2319**

Pascal Coget
General Manager – European Certification

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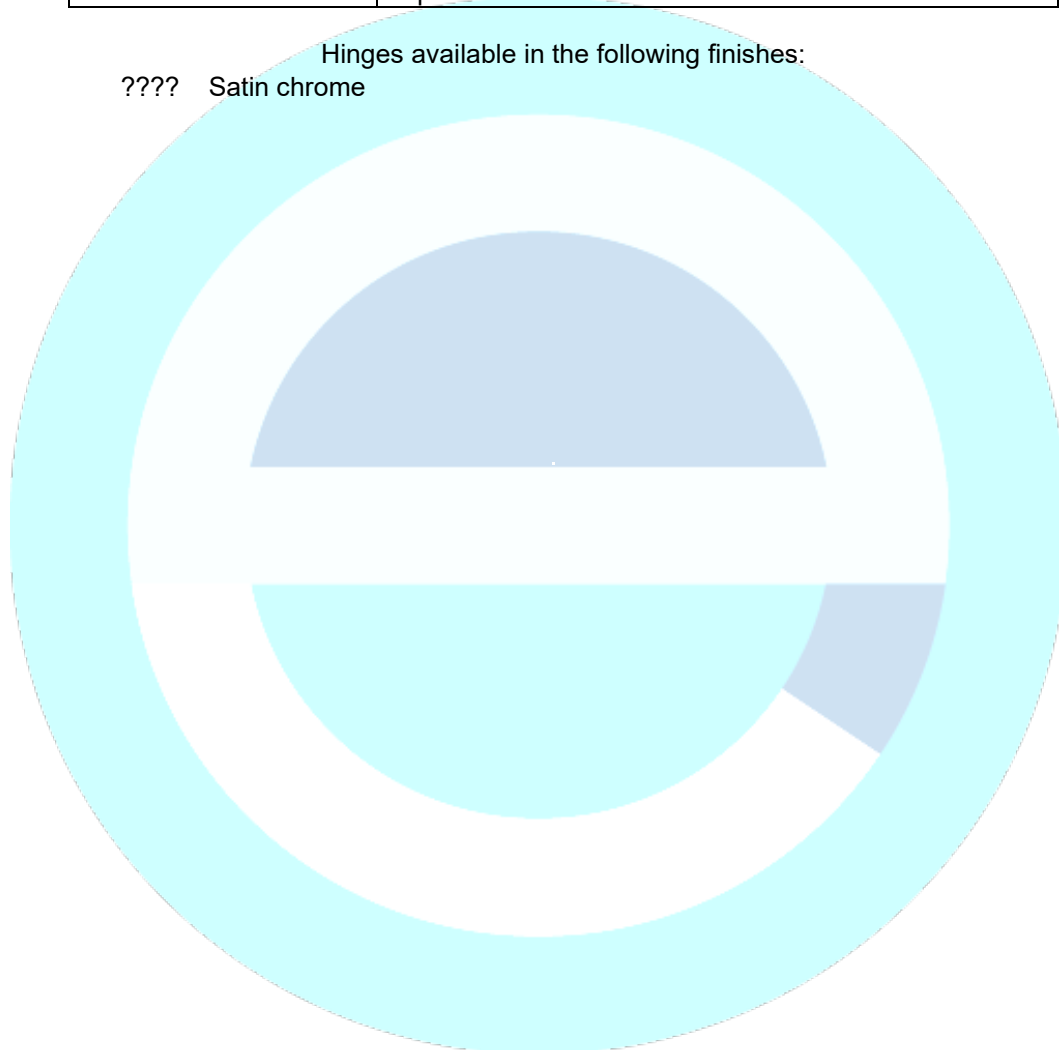
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Annex A

Model No.	Description
J-451-BT-SC	100 x 74 x 2.5mm mild steel button tip butt hinge Satin chrome finish Square corners

Hinges available in the following finishes:

???? Satin chrome



CSF408-NL 8.0