

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC5130

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:

JEDO J8500 Series Grade 11 Mild Steel 2 Ball Bearing 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 502821 & WIL 438546 Fire test evidence: WF 429674 & WF 430075 iss.1		
Self-closing Initial friction torque (door mass 80kg) Static load Load deformation	< 3Nm 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 < 3Nm - after the completion of 200,000 cycles < 3Nm	
Families of hinges with common design features	The hinges covered by this certificate are listed in Annex A	
Corrosion resistance	Grade 3: 96 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

**FRELAN HARDWARE LTD
UNIT 10 MITCHAM INDUSTRIAL ESTATE
STREATHAM ROAD
MITCHAM
SURREY
CR4 2AP
UNITED KINGDOM**

and produced in the manufacturing plant

CUC89710-1

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 **16/12/2021** and re-issued on **18/11/2024** 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.

Valid to: **14/12/2027**

ERO Project Reference: **034621 P2338**



Pascal Coget
General Manager – European Certification

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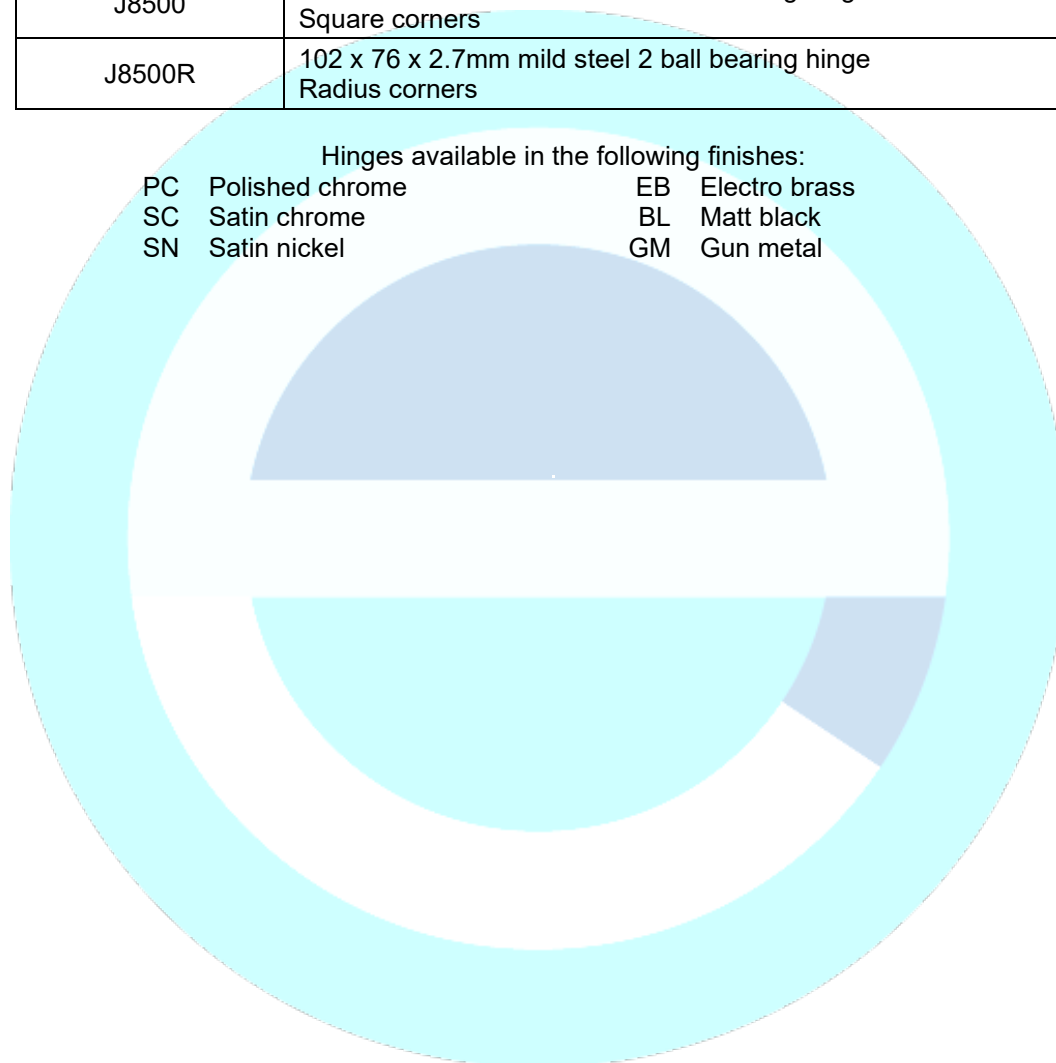
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Annex A

Model Reference	Description
J8500	102 x 76 x 2.7mm mild steel 2 ball bearing hinge Square corners
J8500R	102 x 76 x 2.7mm mild steel 2 ball bearing hinge Radius corners

Hinges available in the following finishes:

PC	Polished chrome	EB	Electro brass
SC	Satin chrome	BL	Matt black
SN	Satin nickel	GM	Gun metal



CSF408-NL 8.0