

Notified body No. 1121
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

Certificate of constancy of performance

1121-CPR-AC5043

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

STAINLESS STEEL BUTT HINGES

BB6803 - 4" x 4" x 3mm	BB6802 - 4" x 3.5" x 3mm	BB6801 - 4" x 3" x 3mm
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Intended use: For use on fire/smoke compartmentation doors, and escape route doors

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: 182544, 182544/a, 182544/b Fire Test Evidence: 186747	
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	<4 Nm Passed with a displacement under load: -lateral <2 mm -vertical <4 mm and a residual displacement after unloading. -lateral <0,1 mm -vertical <0,3 mm Passed Passed with a lateral and vertical displacement after unloading < 3 mm Grade 1: suitable for use on fire/smoke resistant door assemblies	EN 1935:2002
Durability Families of hinges with common design features Corrosion resistance	Passed a 200,000 cycles test with a maximum wear: -lateral <0,2 mm -vertical <0,8 mm and with a maximum frictional torque. -after 20 cycles <4 Nm -after the completion of 200,000 cycles <4 Nm The hinge covered by this CPR is the hinge tested Grade 4: 240 hours	EN 1935:2002
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)	EN 1935:2002

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produced for

**Cal-Royal Products, Inc.
6605 Flotilla St.
Commerce, CA
90040
USA**

and produced in the manufacturing plant

J/025

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 and the performances described in Annex ZA of the standard(s)

EN 1935: 2002

under system 1 of AVCP are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on **13/07/15** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.



Paul Duggan
Certification Manager
Warrington Certification Ltd

