

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

## Certificate of constancy of performance

**1121-CPR-AC5046**

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

### INOX STAINLESS STEEL BUTT HINGES

See Annex A

4" x 4" x 3mm	4" x 3.5" x 3mm	4" x 3" x 3mm	4" x 3" x 2.5mm	4" x 3.5" x 2.5mm
4" x 4" x 2.5mm	4.5" x 4" x 3.4mm	4.5" x 4.5" x 3.4mm	5" x 3" x 3mm	5" x 3" x 2.5mm

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

Essential characteristics	Performance	Harmonised technical specification
	<b>Mechanical test evidence: 340672 &amp; 340672/A</b> <b>Fire Test Evidence: 340846 Issue 2</b>	
<b>Self-closing</b> <b>Initial friction torque (door mass 120kg)</b> <b>Static load</b> <b>Load deformation</b>	<b>&lt;4 Nm</b> <b>Passed with a displacement under load:</b> <b>-lateral &lt;2 mm</b> <b>-vertical &lt;4 mm</b> <b>and a residual displacement after unloading.</b> <b>-lateral &lt;0.1 mm</b> <b>-vertical &lt;0.3 mm</b>	<b>EN 1935:2002</b>
<b>Overload</b> <b>Shear strength</b> <b>Hinges for use on fire-resistant and/or smoke-controls doors</b>	<b>Passed</b> <b>Passed with a lateral and vertical displacement after unloading &lt; 3 mm</b> <b>Grade 1: suitable for use on fire/smoke resistant door assemblies</b>	
<b>Durability</b> <b>Families of hinges with common design features</b> <b>Corrosion resistance</b>	<b>Passed a 200,000 cycles test with a maximum wear:</b> <b>-lateral &lt;0.5 mm</b> <b>-vertical &lt;1.0 mm</b> <b>and with a maximum frictional torque.</b> <b>-after 20 cycles &lt;4 Nm</b> <b>-after the completion of 200,000 cycles &lt;4 Nm</b> <b>The hinge covered by this CPR is the hinge tested</b> <b>Grade 4: 240 hours</b>	<b>EN 1935:2002</b>
<b>Dangerous substances</b>	<b>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)</b>	<b>EN 1935:2002</b>

## Certificate of constancy of performance

**1121-CPR-AC5046**

produced for

**UNISON HARDWARE INC.  
6 Wayne Court,  
Sacramento,  
CA 95829 USA**

and produced in the manufacturing plant

**J/019**

**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 **02/10/15** 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



**Annex A**

<b>INOX Hinge Reference</b>	<b>Description</b>
HGS-403025-2BB	4" x 3" x 2.5mm - Square corner
HGS-403025R-2BB	4" x 3" x 2.5mm - Radius corner
HGS-403525-2BB	4" x 3.5" x 2.5mm - Square corner
HGS-403525R-2BB	4" x 3.5" x 2.5mm - Radius corner
HGS-404025-2BB	4" x 4" x 2.5mm - Square corner
HGS-404025R-2BB	4" x 4" x 2.5mm - Radius corner
HGS-403030-2BB	4" x 3" x 3mm - Square corner
HGS-403030R-2BB	4" x 3" x 3mm - Radius corner
HGS-403530-2BB	4" x 3.5" x 3mm - Square corner
HGS-403530R-2BB	4" x 3.5" x 3mm - Radius corner
HGS-404030-2BB	4" x 4" x 3mm - Square corner
HGS-404030R-2BB	4" x 4" x 3mm - Radius corner
HGS-503030-2BB	5" x 3" x 3mm - Square corner
HGS-503030R-2BB	5" x 3" x 3mm - Radius corner
HGS-503025-2BB	5" x 3" x 2.5mm - Square corner
HGS-503025R-2BB	5" x 3" x 2.5mm - Radius corner
HG5112-44	4.5" x 4" x 3.4mm - Square corner
HG5112R14-44	4.5" x 4" x 3.4mm - Radius corner
HG5112-45	4.5" x 4.5" x 3.4mm - Square corner
HG5112R14-45	4.5" x 4.5" x 3.4mm - Radius corner