

Notified Body No. 2812

## Certificate of Constancy of Performance

### 2812-CPR-AC0044

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

## H103 Grade 12 Mild Steel Butt Hinges See Annex A

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

Essential characteristics	Performance	Harmonised technical specification
<b>Mechanical test evidence: WIL 131402, WIL 129696, WIL 154421 &amp; WIL 535759</b> <b>Fire Test Evidence: WF 345331 &amp; WF 138907 iss. 11</b>		
Self-closing Initial friction torque (door mass 100kg) Static load Load deformation  Overload  Shear strength  Hinges for use on fire-resistant and/or smoke-controls doors	< 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  Passed  Passed with a lateral and vertical displacement after unloading < 3mm  Grade 1: suitable for use on fire/smoke resistant door assemblies	<b>EN 1935:2002 / AC:2003</b>
Durability  Families of hinges with common design features  Corrosion resistance	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  The hinge covered by this certificate is the hinge tested  Grade 2: 48 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:

**Royde & Tucker Limited**  
**Bilton Road**  
**Cadwell Lane**  
**Hitchin**  
**Hertfordshire**  
**SG4 0SB**  
**United Kingdom**

and produced in the manufacturing plant:

**CQB28702-1**

**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 and the performances described in Annex ZA of the standard:

**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 **24/11/2020** and re-issued on **06/02/2025** 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: **23/07/2025**

ERO Project Reference: **ERO 034621 P1700**



**Pascal Coget**  
**General Manager - European Certification**

CSF408-NL 8.0

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#### Annex A

Model Reference	Description
H103-FR-BZP H103-FS-BZP	100 x 86 x 2.64mm mild steel concealed bearing hinge Bright zinc polished Radiused or square corners

#### Available in the following finishes:

<b>ABR</b>	<b>Antique brass</b>	<b>SBB</b>	<b>Simulated brushed brass</b>
<b>ABZ</b>	<b>Antique bronze</b>	<b>SBL</b>	<b>Simulated brass, lacquered</b>
<b>BLK</b>	<b>Black powder coated</b>	<b>SBS</b>	<b>Simulated brushed stainless steel</b>
<b>BNP</b>	<b>Bright nickel plated</b>	<b>SNP</b>	<b>Satin nickel plated</b>
<b>BZP</b>	<b>Bright zinc plated</b>	<b>SPB</b>	<b>Simulated polished brass</b>
<b>DBZ</b>	<b>Dark bronze</b>	<b>SZP</b>	<b>Satin zinc plated</b>
<b>EBP</b>	<b>Electro brass plated</b>	<b>WHI</b>	<b>White paint powder coat</b>
<b>FMB</b>	<b>Flat matt black powder coat</b>	<b>XABR</b>	<b>Antique brass variant</b>
<b>IBU</b>	<b>Imitation bronze</b>	<b>XBNP</b>	<b>Bright nickel plated variant</b>
<b>NST</b>	<b>Non-standard painted</b>	<b>XDBZ</b>	<b>Dark bronze variant</b>
<b>NSTP</b>	<b>Non-standard plated</b>	<b>XIBU</b>	<b>Imitation bronze variant</b>
<b>OBZ</b>	<b>Old bronze</b>	<b>XOBZ</b>	<b>Old bronze variant</b>
<b>PBL</b>	<b>Polished brass plated, lacquered</b>	<b>XRZB</b>	<b>RT bronze variant</b>
<b>PBZ</b>	<b>Polished bronze</b>	<b>XSNP</b>	<b>Satin nickel plated variant</b>
<b>PNP</b>	<b>Polished nickel plated</b>	<b>XSPB</b>	<b>Simulated polished brass variant</b>
<b>RBZ</b>	<b>RT bronze</b>		