

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0023

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

H104 Grade 11 Hi-Load 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
Mechanical test evidence: WIL 128391, WIL 129696, WIL 154421 & WIL 535759 Fire Test Evidence: WF 345331 & WF 138907 iss. 11		
Self-closing Initial friction torque (door mass 80kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	<p style="text-align: center;">< 3Nm</p> <p>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</p> <p style="text-align: center;">Passed</p> <p>Passed with a lateral and vertical displacement after unloading < 3mm</p> <p style="text-align: center;">Grade 1: suitable for use on fire/smoke resistant door assemblies</p>	EN 1935:2002 / AC:2003
Durability Families of hinges with common design features Corrosion resistance	<p>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</p> <p style="text-align: center;">The hinge covered by this certificate is the hinge tested</p> <p style="text-align: center;">Grade 2: 48 hours</p>	
Dangerous substances	<p>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)</p>	

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Placed on the market under the name of:

**Royde & Tucker Limited
Bilton Road
Cadwell Lane
Hitchen
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 **11/11/2024** 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.

CE Marking certificate valid to: **23/07/2025**

ERO Project Reference: **034621 P1700**



**Pascal Coget
General Manager - European Certification**

CSF408-NL 8.0

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Annex A

Model Reference	Description
H104-FR-BZP H104-FS-BZP	100 x 75 x 2.3mm mild steel concealed bearing hinge Bright zinc polished Radiused or square corners

Available in the following finishes:

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