

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0021

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

H105 Grade 11 Mild Steel Lift-Off 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 128636, WIL 129696, WIL 154421 & WIL 535759 Fire Test Evidence: WF 136052 & 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 style="text-align: center;">Not applicable to lift-off hinges</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 reissued on **05/06/2026** 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: **23/01/2027**

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 |
|--|--|
| H105-RR-BZP H105-RS-BZP H105-LR-BZP H105-LS-BZP | 98 x 82 x 3mm mild steel lift-off hinge Bright zinc polished Right & left handed. 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 | | |