

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0007

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

Royde & Tucker - Stainless Steel Hinges

| | | | | | | | |
|-------|------|----------|----------|--------|------|------|------|
| H200 | H207 | H207-300 | H207-400 | H208 | H209 | H210 | H211 |
| HC605 | | | | H102-7 | | | |

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

| Essential characteristics | Performance | Harmonised technical specification |
|--|---|------------------------------------|
| | Mechanical test evidence: 326 PCT, 879 PCT, 152353, 356576, WIL 358929, WIL 361965, WIL 426993 & WIL 407857 Fire Test Evidence: 138907 Iss 11, CFR1711241 & CFR1710131 | |
| Self-closing Initial friction torque (door mass 120kg) Static load Load deformation | <4 Nm Passed with a displacement under load: -lateral <2 mm -vertical <4 mm and a residual displacement after unloading. -lateral <0.6 mm -vertical <0.3 mm | EN 1935:2002 |
| Overload | Passed | |
| Shear strength | Passed with a lateral and vertical displacement after unloading < 3 mm | |
| Hinges for use on fire-resistant and/or smoke-controls doors | Grade 1: suitable for use on fire/smoke resistant door assemblies | |
| Durability | Passed a 200,000 cycles test with a maximum wear: -lateral <0,5 mm -vertical <1 mm and with a maximum frictional torque. -after 20 cycles <3 Nm -after the completion of 200,000 cycles <3 Nm The hinge covered by this CPR is the hinge tested | EN 1935:2002 |
| Families of hinges with common design features | | |
| Corrosion resistance | Grade 4: 240 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) | EN 1935:2002 |

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produced for

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

and produced in the manufacturing plant

E/004

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 for the performances set out in this certificate are applied and that the Construction Product fulfils all the prescribed requirements for these Performances.

This certificate was first issued on **24/11/2020** and revised on **07/12/2020** 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 performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

Valid to: **23/07/2022**

ERO Project Reference: **ERO 032646P54**



Paul Duggan
Certification Manager

CSF408-NL 2.0