

Notified body No. 1121

## Certificate of constancy of performance

### 1121-CPR-AC0031

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 Hi-Load Stainless Steel Butt Hinge

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

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: WIL 128391,129696 Fire Test Evidence: CF 209	
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	<3 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  Passed  Passed with a lateral and vertical displacement after unloading < 3 mm  Grade 1: suitable for use on fire/smoke resistant door assemblies	EN 1935:2002
Durability  Families of hinges with common design features  Corrosion resistance	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  Grade 4: 240 hours	EN 1935:2002
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 of AVCP are applied and that

***the product fulfils all the prescribed requirements set out above.***

This certificate was first issued on **22/07/2003** and amended on **24/07/2019** and will remain valid to the date given below 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.

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



Paul Duggan  
Certification Manager

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