

Notified body No. 1121

Certificate of constancy of performance

1121-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 Hi-Load Mild 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	<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	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	EN 1935:2002
Families of hinges with common design features	The hinge covered by this CPR is the hinge tested	
Corrosion resistance	Grade 1: 24 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

Certificate of constancy of performance

1121-CPR-AC0023

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

**Warringtonfire Testing and Certification
Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK**

