

Approved body No. 1121

Certificate of constancy of performance

1121-CPR-UK-AC7006

In compliance with Construction Products Regulation 2011 (retained EU law EUR 2011/305) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the Construction Product:

Simonswerk UK Ltd – Brass TRITECH Concealed Bearing 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 304208 & 304208a Fire Test Evidence: WF 313934	
Self-closing Initial friction torque (door mass 160kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	<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 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

**Simonswerk UK Ltd
Burcot Works
Spring Street
Tipton
West Midlands**

and produced in the manufacturing plant

E/008

This is coded format and the information is held by the Approved 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 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 **03/07/2021** and will remain valid as long as neither the designated standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Approved Product Certification Body.

Valid to: **02/07/2024**

**UK
CA**



Paul Duggan
Certification Manager

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

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Annex A

INOX Hinge Reference	Description
1750	100mm x 75mm Brass TRITECH Concealed Bearing Hinges
1760	100mm x 100mm Brass TRITECH Concealed Bearing Hinges
1780	100mm x 88mm Brass TRITECH Concealed Bearing Hinges