

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR- AC5011

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:

SIMONSWERK UK Ltd – Brass TRITECH Concealed Bearing Hinges

See Annex A

1750	P1760	1780
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Intended use: For use on fire/smoke compartmentation doors, and escape route doors

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: 128792, 128793, 129146 Fire Test Evidence: C132467	
Self-closing Initial friction torque (door mass 160kg) Static load Load deformation	<2 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 Shear strength	Passed 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 <1.0 mm and with a maximum frictional torque. -after 20 cycles <2 Nm -after the completion of 200,000 cycles <2 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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Placed on the Market under the Name of

**SIMONSWERK UK Ltd
Burcot Works
Spring Street
Tipton
West Midlands
DY4 8TF**

and produced in the manufacturing plant

E/008

This certificate attests that all provisions concerning the Assessment and Verification of Constancy of Performance described in Annex ZA of the standard(s):

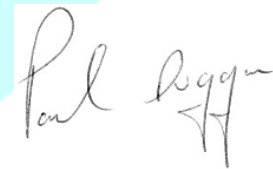
EN 1935: 2002

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 **11/11/2020** 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.

Valid to: **24/10/2022**

ERO Project Reference: **EROWF10441**



Paul Duggan
Certification Manager



Annex A

Hinge Reference	Description
1750	100 x 75mm Brass TRITECH Concealed Bearing Hinges
P1760	100 x 100mm Brass TRITECH Concealed Bearing Projection Hinges
1780	100 x 88mm Brass TRITECH Concealed Bearing Hinges

