

Approved body No. 1121

Certificate of constancy of performance

1121-CPR-UK-AC7005

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 Ball Race Butt 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 128792, 128793 & 129146 Fire Test Evidence: C132467	
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

**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
1540	100mm x 65mm Brass Ball Race Butt Hinges
1550	100mm x 75mm Brass Ball Race Butt Hinges
1560	100mm x 100mm Brass Ball Race Butt Hinges
1570	125mm x 75mm Brass Ball Race Butt Hinges
1580	150mm x 75mm Brass Ball Race Butt Hinges
1585	150mm x 100mm Brass Ball Race Butt Hinges
1590	125mm x 125mm Brass Ball Race Butt Hinges
1595	150mm x 125mm Brass Ball Race Butt Hinges
1640	100mm x 65mm Brass Ball Race Butt Hinges
1650	100mm x 75mm Brass Ball Race Butt Hinges
1660	100mm x 100mm Brass Ball Race Butt Hinges
1670	125mm x 75mm Brass Ball Race Butt Hinges
1680	150mm x 75mm Brass Ball Race Butt Hinges
1685	150mm x 100mm Brass Ball Race Butt Hinges
1690	125mm x 125mm Brass Ball Race Butt Hinges
1695	150mm x 125mm Brass Ball Race Butt Hinges