

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0026

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 Grade 11 Ball Race Brass 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, WIL 128793 & WIL 129146 Fire Test Evidence: WF 128267 & WF 520396		
Self-closing Initial friction torque (door mass 80kg) Static load Load deformation	< 3Nm Passed with a displacement under load: - lateral < 2mm - vertical < 4mm and a residual displacement after unloading: - lateral < 0.6mm - vertical < 0.3mm - within the shaded area of figure G.1	EN 1935:2002 / AC:2003
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading < 3mm	
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 cycle test with a maximum wear: - lateral < 0.5mm - vertical < 1mm and with a maximum frictional torque. - after 20 cycles < 3Nm - after the completion of 200,000 cycles < 3Nm	
Families of hinges with common design features	The hinges covered by this certificate are the hinges tested	
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)	

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Placed on the market under the name of:

**Simonswerk UK Ltd
Burcot Works, Spring Street,
Tipton, West Midlands, DY4 8TF
United Kingdom**

and produced in the manufacturing plant

E013915-1

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:

EN 1935:2002 / AC:2003

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 re-issued on **11/04/2024** 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.

CE Marking certificate valid to: **23/10/2025**

ERO Project Reference: **034621 P1781**



Pascal Coget
General manager – European Certification

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Annex A

Model Reference	Description
1540	100 x 65 x 3.5mm Brass Ball Race Butt Hinges Square/radiused corners
1550	100 x 75 x 4mm Brass Ball Race Butt Hinges Square/radiused corners
P1560	100 x 103 x 4mm Brass Ball Race Butt Hinges Square/radiused corners
1570	127 x 76 x 4mm Brass Ball Race Butt Hinges Square/radiused corners
1580	152 x 76 x 4mm Brass Ball Race Butt Hinges Square/radiused corners
P1585	152 x 103 x 4mm Brass Ball Race Butt Hinges Square/radiused corners
P1590	127 x 127 x 5mm Brass Ball Race Butt Hinges Square/radiused corners
P1595	152 x 127 x 5mm Brass Ball Race Butt Hinges Square/radiused corners
1640 URN 1640 BALL	100 x 65 x 3.5mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
1650 URN 1650 BALL	100 x 75 x 4mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
P1660 URN P1660 BALL	100 x 103 x 4mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
1670 URN 1670 BALL	127 x 76 x 4mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
1680 URN 1680 BALL	152 x 76 x 4mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
P1685 URN P1685 BALL	152 x 103 x 4mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
P1690 URN P1690 BALL	127 x 127 x 5mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners
P1695 URN P1695 BALL	152 x 127 x 5mm Brass Ball Race Urn/Ball Finial Hinges Square/radiused corners

CSF408-NL 8.0