

Approved body No. 1121

## Certificate of constancy of performance

**1121-CPR-UK-AC7864**

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:

### DP Garg – Ball 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: WIL197669n Fire Test Evidence: N/A	
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation	< 2Nm  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/AC:2003
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	N/A	
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/AC:2003
Families of hinges with common design features	The hinge covered by this CPR is the hinge 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)	EN 1935:2002/AC:2003

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Placed on the market under the name of

**D.P. GARG & CO. PVT. LTD  
B-210b Phase-2  
NOIDA**

and produced in the manufacturing plant

**R/001**

**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)

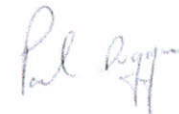
**EN 1935:2002/AC:2003**

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 **09/08/2021** 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: **08/08/2024**

**UK  
CA**



Paul Duggan  
Certification Manager

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

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### Annex A

Model Ref	Size	Product
SHIN1108100	4" x 3" x 2mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1107100	4" x 2 5/8" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1106075	3" x 2" x 2mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1105075	3" x 2" x 2.2mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1109100	4" x 3" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1104125	5" x 2 5/8" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1101100	4" x 3" x 3mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1103100	4" x 2 5/8" x 2mm	Stainless Steel Ball Bearing Hinge (2BB)
SHIN1118100	4" x 3" x 2mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1117100	4" x 2 5/8" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1116075	3" x 2" x 2mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1115075	3" x 2" x 2.2mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1119100	4" x 3" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1114125	5" x 2 5/8" x 2.5mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1111100	4" x 3" x 3mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner
SHIN1113100	4" x 2 5/8" x 2mm	Stainless Steel Ball Bearing Hinge (2BB) Radius Corner

Brand Names - Garg, Gargs, Tuff, Elite, Sichern, Eurostar