



## CONSTRUCTION PRODUCTS REGULATION 2011

### DECLARATION OF PERFORMANCE

DoP Number :- DPL- H-805687-2

1. Unique identification code of the product-type  
SHIN1001100, SHIN1002100, SHIN1003100, SHIN1004114, SHIN1005125, SHIN1006150, SHIN551R100, SHIN552R100, SHIN553R100, SHIN551R114, SHIN551R125, SHIN551R150
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

SHIN1001100, SHIN1002100, SHIN1003100, SHIN1004114, SHIN1005125, SHIN1006150, SHIN551R100, SHIN552R100, SHIN553R100, SHIN551R114, SHIN551R125, SHIN551R150

Stainless Steel Ball Bearing Hinge - Various Finishes

3. Intended use of uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**For use on fire and smoke compartmentation doors,  
when fitted in accordance with the manufacturer's fitting instructions.**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5)  
**GARG, GARGS, TUFF, ELITE, SICHERN, EUROSTAR  
D. P. Garg & Co. Pvt. Ltd.  
B-210B, Phase-2, Noida  
District – Gautam Budh Nagar  
Pin Code- 201 305 (U.P.) – INDIA**
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)

**N/A**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR Annex V:

**System 1**

7. In case of the declaration of performance concerning a construction, product covered by a harmonized standard:

**EN 1935:2002  
EC Notified Body 0086**

8. European Technical Assessment:

**N/A**

9. Declared performance:

Essential Characteristics	Performance	Harmonised Technical Specification
	<b>Mechanical test evidence: WIL141731</b> <b>Fire test evidence 141932</b>	
Initial friction torque (max. door mass 120kg)	<4.0 Nm	EN 1935:2002 / AC:2003
Static Load Load deformation	Passed with a displacement under load: -Lateral <2mm -Vertical <4mm And a residual displacement after unloading. -Lateral <0.1mm -Vertical <0.3mm	
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  Families of hinges with common design feature	Passed a 200000 cycles test with a maximum wear. -Lateral <0.2mm -Vertical 0.8mm and with a maximum frictional torque. -after 20 cycles <3.0 Nm -after the completion of 200 000 cycles <4.0Nm  Grade 1: Suitable for use on fire / smoke resistant door assemblies.	EN 1935:2002 / AC:2003
Corrosion resistance	Pass Grade 4 : 240hrs.	
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.	

10. The performance of the product identified in points 1 and 2 is conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

**Signed for and on behalf of the manufacturer by:**



Mr. Sandip Garg

Director

Date of issue: 30/10/2024

D. P. Garg & Co. Pvt. Ltd.

B-210B, Phase-2,

Noida – 201 305 (U. P.) – INDIA

(Signature)

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This Declaration of Performance is issued on a standard template provided by the GAI for use in the door and hardware industries. There is no implied endorsement of the content, which is the responsibility of the issuing company.

The Guild of Architectural Ironmongers

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