

Notified body No. 2812

Certificate of constancy of performance

2812-CPR-AC5058

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

DP Garg – Stainless Steel 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: WIL 391732, 369542, 372533, 369541 Fire Test Evidence: WF 377589	
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation	<2 Nm Passed with a displacement under load: -lateral <4 mm -vertical <2 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	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 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 2: 48 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 & Company Pvt. Ltd
B -210B Phase 2,
Noida – 201305
India**

and produced in the manufacturing plant

R/001

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(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 **16/10/2020** and was reissued on **28/10/2021** 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: **27/10/2024**

ERO Project Reference: **ERO 034621 P1592**



Paul Duggan
Certification Manager

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Annex A

Product Code	Product	Metal	Size
MHIN4510075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 101mm x 2mm
MHIN4511075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 50mm x 2mm
MHIN4512075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 62mm x 2mm
MHIN4513075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 76mm x 2mm
MHIN4515100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 76mm x 2.6mm
MHIN4517100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 76mm x 3mm
MHIN4519100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 88mm x 3mm
MHIN4522100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 101mm x 3.2mm
MHIN4523114	Steel Ball Bearing Hinges (2BB)	Mild steel	114mm x 101mm x 3.2mm
MHIN5511075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 50mm x 2mm
MHIN5512075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 62mm x 2mm
MHIN5513075	Steel Ball Bearing Hinges (2BB)	Mild steel	76mm x 76mm x 2mm
MHIN5515100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 76mm x 2.6mm
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MHIN5522100	Steel Ball Bearing Hinges (2BB)	Mild steel	101mm x 101mm x 3.2mm
MHIN5523114	Steel Ball Bearing Hinges (2BB)	Mild steel	114mm x 101mm x 3.2mm
SHIN4510075	Steel Ball Bearing Hinges (2BB)	Stainless steel	76mm x 101mm x 2mm
SHIN4511075	Steel Ball Bearing Hinges (2BB)	Stainless steel	76mm x 50mm x 2mm
SHIN4512075	Steel Ball Bearing Hinges (2BB)	Stainless steel	76mm x 62mm x 2mm
SHIN4513075	Steel Ball Bearing Hinges (2BB)	Stainless steel	76mm x 76mm x 2mm

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SHIN4523114	Steel Ball Bearing Hinges (2BB)	Stainless steel	114mm x 101mm x 3.2mm
SHIN5511075	Steel Ball Bearing Hinges (2BB)	Stainless steel	76mm x 50mm x 2mm
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SHIN5522100	Steel Ball Bearing Hinges (2BB)	Stainless steel	101mm x 101mm x 3.2mm
SHIN5523114	Steel Ball Bearing Hinges (2BB)	Stainless steel	114mm x 101mm x 3.2mm

Brand Names: GARG, GARGS, TUFF, ELITE, SICHERN, BASIC, BASICS, ESSENTIAL, JUPITER, MARS, EXCEL, FIRESTOP, UNIFIX, CENTURION, ASEC, ASEC VITAL, TUFFITE, EUROSTAR, XL, SHEILD, I-CE, ECLIPSE & DEVON.

CSF406-NL 7.0