

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0067

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.

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 141731 & WIL 530763 Fire test evidence: WF 141932		
Self-closing Initial friction torque (door mass 120kg) Static load Load deformation	< 4Nm 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 Shear strength	Passed 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 < 4Nm - after the completion of 200,000 cycles < 4Nm	
Families of hinges with common design features	The hinges covered by this certificate are listed in Annex A	
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:

**D.P. Garg & Co. Pvt. Ltd.
B-210B, Phase-2
Noida-201305
Gautam Budh Nagar
(U.P.) India**

and produced in the manufacturing plant:

E000323-1

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 **26/11/2020** and re-issued on **22/12/2023** 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: **21/12/2026**

ERO Project Reference: **ERO 034621 P2114**



Pascal Coget
General Manager - European Certification

CSF408-NL 8.0

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Annex A

Model Reference	Description
SHIN1001100	101 x 76 x 3.0mm stainless steel two ball bearing hinge Square corners
SHIN1002100	101 x 90 x 3.0mm stainless steel two ball bearing hinge Square corners
SHIN1003100	101 x 101 x 3.0mm stainless steel two ball bearing hinge Square corners
SHIN1004114	114 x 101 x 3.4mm stainless steel two ball bearing hinge Square corners
SHIN1005125	125 x 76 x 3.0mm stainless steel two ball bearing hinge Square corners
SHIN1006150	150 x 76 x 3.0mm stainless steel two ball bearing hinge Square corners
SHIN551R100	101 x 76 x 3.0mm stainless steel two ball bearing hinge Radiused corners
SHIN553R100	101 x 90 x 3.0mm stainless steel two ball bearing hinge Radiused corners
SHIN552R100	101 x 101 x 3.0mm stainless steel two ball bearing hinge Radiused corners
SHIN551R114	114 x 101 x 3.4mm stainless steel two ball bearing hinge Radiused corners
SHIN551R125	125 x 76 x 3.0mm stainless steel two ball bearing hinge Radiused corners
SHIN551R150	150 x 76 x 3.0mm stainless steel two ball bearing hinge Radiused corners

Brand names: Garg, Gargs, Tuff, Elite, Sichern, Eurostar

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Annex A (continued)

Hinges available in the following finishes:

OAC	Antique Copper	PSS	Polished Stainless Steel
OFB	Florentine Bronze	RGL	Rose Gold
MAB	Matt Antique Brass	OSS	Satin Stainless Steel
MEB	Mirror Electro Brass	USC	Urban Satin Copper
ANT	Antique	0MB	Matt Black
ABR	Antique Brass	MBZ	Matt Bronze
ABZ	Antique Bronze	MSB	Matt Satin Brass
BNP	Black Nickel	ORB	Oil Rub Bronze
OCP	Chrome Plated	0PB	Polish Brass
DBR	Dull Electro Brass	PCP	Polished Chrome Plated
DXB	Durosil Epoxy Black	PNP	Polished Nickel Plated
DSL	Durosil Silver	SBR	Satin Brass
0EB	Electro Brass	SCP	Satin Chrome Plated
EXB	Epoxy Black	SNP	Satin Nickel Plated
EXW	Epoxy White	SLV	Silver
GAL	Galvorite	SSS	Simulated Satin Finish
GSL	Galvorite Silver	0UB	Urban Bronze
0GN	Graphite Nickel	UDB	Urban Dark Bronze
MBN	Gun Metal		