

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC0166

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 escape route doors only.

Essential characteristics	Performance	Harmonised technical specification
Mechanical test evidence: WIL 197669A, WIL 197669F, WIL 197669H, WIL 197669N & WIL 530763 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 < 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 0: not 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 < 2Nm - after the completion of 200,000 cycles < 2Nm	
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 **16/10/2020** 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 P 2114**



Pascal Coget
General Manager - European Certification

CSF408-NL 8.0

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Annex A

Model Reference	Description
SHIN1108100	101 x 76 x 2mm stainless steel two ball bearing hinge Square corners
SHIN1107100	101 x 67 x 2.5mm stainless steel two ball bearing hinge Square corners
SHIN1106075	76 x 50 x 2mm stainless steel two ball bearing hinge Square corners
SHIN1105075	76 x 50 x 2.2mm stainless steel two ball bearing hinge Square corners
SHIN1109100	101 x 76 x 2.5mm stainless steel two ball bearing hinge Square corners
SHIN1104125	126 x 67 x 2.5mm stainless steel two ball bearing hinge Square corners
SHIN1101100	101 x 76 x 3mm stainless steel two ball bearing hinge Square corners
SHIN1103100	101 x 67 x 2mm stainless steel two ball bearing hinge Square corners
SHIN1118100	101 x 76 x 2mm stainless steel two ball bearing hinge Radiused corners
SHIN1117100	101 x 67 x 2.5mm stainless steel two ball bearing hinge Radiused corners
SHIN1116075	76 x 50 x 2mm stainless steel two ball bearing hinge Radiused corners
SHIN1115075	76 x 50 x 2.2mm stainless steel two ball bearing hinge Radiused corners
SHIN1119100	101 x 76 x 2.5mm stainless steel two ball bearing hinge Radiused corners
SHIN1114125	126 x 67 x 2.5mm stainless steel two ball bearing hinge Radiused corners
SHIN1111100	101 x 76 x 3mm stainless steel two ball bearing hinge Radiused corners
SHIN1113100	101 x 67 x 2mm 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		