

Notified Body No. 2812

Certificate of Constancy of Performance 2812-CPR-AC5104

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

Grade 11 Steel 2 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 413448, WIL 413448-1, WIL 413488, WIL 413488-1, WIL 413488-2, WIL 413488-3 & WIL 530763 Fire test evidence: WF 376739 & WF 377589 iss.7		
Self-closing Initial friction torque (door mass 80kg) Static load Load deformation	< 3Nm 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 < 3Nm - after the completion of 200,000 cycles < 3N	
Families of hinges with common design features	The hinges covered by this certificate are listed in Annex A	
Corrosion resistance	Grade 3: 96 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-201 305

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:

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 **29/09/2023** 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: **28/09/2026**

ERO Project Reference: **ERO 034621 P1877**



Pascal Coget
General Manager - European Certification

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Annex A

Model Reference	Description
MHIN4515100 MHIN5515100	101 x 76 x 2.6mm mild steel 2 ball bearing hinge Square / radiused corners
MHIN4517100 MHIN5517100	101 x 76 x 3mm mild steel 2 ball bearing hinge Square / radiused corners
MHIN4519100 MHIN5519100	101 x 89 x 3mm mild steel 2 ball bearing hinge Square / radiused corners
MHIN4522100 MHIN5522100	101 x 101 x 3mm mild steel 2 ball bearing hinge Square / radiused corners
SHIN4515100 SHIN5515100	101 x 76 x 2.6mm stainless steel 2 ball bearing hinge Square / radiused corners
SHIN4517100 SHIN5517100	101 x 76 x 3mm stainless steel 2 ball bearing hinge Square / radiused corners
SHIN4519100 SHIN5519100	101 x 89 x 3mm stainless steel 2 ball bearing hinge Square / radiused corners
SHIN4522100 SHIN5522100	101 x 101 x 3.2mm stainless steel 2 ball bearing hinge Square / radiused corners

Hinges available in the following finishes:

ANT	Antique	OMB	Matt Black
ABR	Antique Brass	MBZ	Matt Bronze
ABZ	Antique Bronze	MSB	Matt Satin Brass
BNP	Black Nickel	ORB	Oil Rub Bronze
0CP	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		

Stainless steel hinges available in the following finishes:

0AC	Antique Copper	PSS	Polished Stainless Steel
0FB	Florentine Bronze	RGL	Rose Gold
MAB	Matt Antique Brass	0SS	Satin Stainless Steel
MEB	Mirror Electro Brass	USC	Urban Satin Copper

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

CSF408-NL 8.0