

DECLARATION OF PERFORMANCE



DoP-HG1016-CE

(HG1016)

- Unique identification code of the product / type:-
HG1016 Sparka Stainless Steel Ball Bearing Hinge Grade 7
- Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of CPR:
HG1016, HG1021, HG1023, HG1024, HG1014, HG1015, HG1027, HG1028, 50606, 50607, 50610, 50614
- Intended use: - For use on fire/smoke compartmentation doors, when fitted in accordance with the supplied fitting instructions and maintained to the manufacturers O&M Manual.
- Manufacturer: - Rutland Door Controls Europe Limited, Unit 5B, Fingal Bay Business Park, Balbriggan, Dublin, Ireland
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V :- System 1
- Harmonised Standard:- BS EN 1935:2002 / AC:2003
- Notified Body:- BSI 2797
- Notified Body No.:- 2797-CPR-820682
- Declared Performance:-

Essential Characteristics	Performance	Harmonised Technical Specification
Self-closing 5.1 to 5.3 inc & 5.6 Initial friction torque (door mass 120kg) Static load deformation	< 4 Nm Passed with a displacement under load <ul style="list-style-type: none"> • Lateral <2mm • Vertical <4 mm Residual displacement after unloading <ul style="list-style-type: none"> • Lateral <0.6 mm • Vertical <0.3 mm 	BS EN 1935:2002 / AC:2003
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.	
5.4, 5.8 & 5.5 Durability	Passed 200,000 cycles test with a maximum wear <ul style="list-style-type: none"> • Lateral <0.5mm • Vertical <1 mm and with a maximum frictional torque <ul style="list-style-type: none"> • After 20 cycles <3 Nm • After 200,000 cycles <3 Nm 	

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Families of hinges with common design features	The hinge covered by this CPR is the hinge tested
Corrosion resistance	Grade 4: 240 hours
Dangerous Substances ZA.1	Pass: the materials in the product 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)

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Kevin O'Reilly - Technical Director
At Rutland UK, Unit 4, Holmewood Business Park,
Chesterfield Road, Chesterfield, S42 5US, UK

on 16-10-2025