



**CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE**

DoP No. G13-10276SEC

1. Unique identification code of the product-type:
14866, 14902
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:
14866, 14902
102mm Grade 13 Security Ball Bearing Hinges – Various Finishes
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
**For use on fire and smoke compartmentation doors,
when fitted in accordance with the manufacturer's fitting instructions.**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
**Frisco UK Sales Ltd
Unit 14 Pindar Road, Hoddesdon, Hertfordshire EN11 0DE**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
N/A
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:
**EN 1935:2002
EC Notified Body 1121**
8. European Technical Assessment:
N/A
9. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Initial friction torque (max. door mass 120 kg)	< 4,0 Nm	EN 1935:2002
Static load		
Load deformation	Passed with a displacement under load: -lateral < 2 mm -vertical < 4 mm and a residual displacement after unloading. -lateral < 0,1 mm -vertical < 0,3 mm	
Overload	-no breakage of any hinge leaf, knuckle, barrel or pin nor any cracking or deformation visible to normal or corrective vision -the hinge test element remained connected to the frame	
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	

Essential characteristics	Performance	Harmonised technical specification
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral 0,2 mm -vertical 0,8 mm and with a maximum frictional torque. -after 20 cycles < 4.0 Nm -after the completion of 200 000 cycles < 4.0 Nm	EN 1935:2002
Corrosion resistance	Pass Grade 4: 240 hrs	
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	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Simon Foord
Group Operations Director
Frisco (UK) Sales Limited
Unit 14 Pindar Road, Hoddesdon, EN11 0DE
04/06/2013



(signature)

(Place and date of issue)