



CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE

DoP No: LAI.HG.007

1. Unique identification code of the product-type:

37 800.1, 37 800.2 (SS720000 & PS720000)

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:

**37 800.1, 37 800.2 (SS720000 & PS720000)
Laidlaw 2BB Stainless Steel Ball Bearing Butt Hinges**

3. Intended use or uses of the construction product, in accordance with the applicable harmonised 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):

**LIDLAW LIMITED
STRAWBERRY LANE, WILLENHALL,
WEST MIDLANDS WV13 3RS,
UNITED KINGDOM**

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 harmonised standard. Please give the Notified Body Number

**EN 1935:2002 Notified Body No. 1121
1121-CPR-AC5065**

8. European Technical Assessment:

N/A

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Self-closing Initial friction torque (door mass 120 kg)	<4 Nm	EN 1935:2002
Static load Load deformation	Passed with a displacement under load: - lateral <4 mm - vertical <2 mm and a residual displacement after unloading: -lateral <0.6 mm -vertical <0.3 mm	
Overload	Passed	
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	
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral <0.5 mm -vertical <1.0 mm And with a maximum frictional torque: -after 20 cycles <3 Nm -after the completion of 200000 cycles <3 Nm	
Families of hinges with common design features	The hinge covered by the CPR is the hinge tested	
Corrosion resistance	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 materials standards or national regulations (1)	

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:

Mr Steve Lee
 Chief Executive Officer
 Date of issue: 01/03/2018
 Strawberry Lane
 Wolverhampton, West Midlands WV13 3RS
 United Kingdom

