

## DECLARATION OF PERFORMANCE EUROPEAN CONSTRUCTION PRODUCTS REGULATION

**DoP Number:**

CE\_DOP.LWG.HIN.001

**1. Unique identification code of the product-type:**

LWG-2211RSS - ball bearing washered stainless steel hinge  
LWG-2211SSS - ball bearing washered stainless steel hinge

**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:**

LWG-2211RSS - ball bearing washered stainless steel hinge, 102x76x3mm, radius corners, SSS finish  
LWG-2211SSS - ball bearing washered stainless steel hinge, 102x76x3mm, square corners, SSS finish

**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 and escape route 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):**

Lloyd Worrall Architectural Solutions  
Unit 5, Magna Business Park, Temple Road, Templeborough, S60 1DX

**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.**

EN 1935:2002 Notified product certification body No. 2812 performed the determination of the product type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of the factory production control and continuous surveillance; assessment and evaluation of factory production control; and issued the certificate of constancy of performance of the product.

**8. European Technical Assessment:**

N/A

## 9. Declared performance

Essential characteristics Self closing	Performance	Harmonised technical specification
Initial friction torque with max. door mass 120 kg	4 Nm	EN 1935:2002
Static load		
Load deformation	Passed with a displacement under load: -lateral not more than 2 mm -vertical not more than 4 mm and a residual displacement after unloading. -lateral 0.06mm -vertical 0.15mm	
Overload	-no breakage of any hinge leaf, knuckle, barrel or pin nor any cracking or deformation visible to normal or corrected vision -the hinged test element remained connected to the frame	
Shear strength	Passed with a lateral and vertical displacement after unloading. not more than 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 Durability	Performance	Harmonised technical specification
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral 0.5mm -vertical 0.01mm with a maximum frictional torque. -after 20 cycles 4 Nm -after the completion of 200000 cycles 4 Nm	EN 1935:2002
Corrosion	Pass Grade 4: 240 hrs	
<b>Dangerous Substances Annex ZA3</b>	The materials in the product(s) 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:



Mr David Thornton Reg AI

Category Manager - Architectural Ironmongery

Date of issue: 20/04/2026

Lloyd Worrall Architectural Solutions

Unit 5, Magna Business Park, Temple Road, Templeborough, S60 1DX

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This Declaration of Performance is issued on a standard template provided by the GAI for use in the door and hardware industries. There is no implied endorsement of the content, which is the responsibility of the issuing company.

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