



# LIKO Hardware Company Limited

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## CONSTRUCTION PRODUCTS REGULATION 2011 DECLARATION OF PERFORMANCE

DoP No. G13-CF5642-V1

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|--|---|
| 1. Type designation  | <b>Butt Hinge</b>   |
| 2. Model or serial number  | Ref 102-302C, 102-253, 102-302S, 102-302H, 102-302, 102-303, 102-304, 102-305, 102-308, 102-352, 102-353, 102-306, 102-309, 102-307, 102-203, 104-322, 104-432, 102-302P, 102-302CP |
| 3. Intended purpose of use   | For use on fire / smoke compartmentation doors  |
| 4. Manufacturer  | LIKO Hardware Company Limited<br>No.3, Shunjing No.9 Road, Jinlong Industrial Park, Longmian Village, Duruan Town, Jiangmen City, Guangdong, China                                  |
| 5. If applicable, name and contact address of the Head of Quality Management authorised representative who is commissioned with the tasks in acc. with article 12 paragraph 2:   |   |
| 6. System or systems for evaluation and System 1 reviewing of consistent performance of the construction product as per Annex V:   | <b>System 1</b>   |
| 7. The notifying authority, monitoring authority 1121 has carried out the initial inspection of the plant and factory production control and the continuous surveillance, assessment and evaluation of factory production control in accordance with System 1 and issued a certificate of conformity for factory production control. | 1121-CPR-AC5073<br>1121-CPR-AC5074<br>1121-CPR-AC5112   |
| 8. If a European Technical Assessment has been issued for the construction product:  | <b>Not relevant</b>   |
| 9. Declared performance:   |   |

Essential characteristics	Performance	Harmonised technical specification
Initial friction torque (max. door mass 120 kg)	< 4,0 Nm	EN 1935:2002
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 <u>-the hinge test element remained connected to the frame</u>	
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 0,2 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	
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	
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10. The performance of the product in accordance with numbers 1 and 2 corresponds to the declared performance in accordance as per number 9. The manufacturer is solely responsible for the production of this declaration of performance in accordance with number 4.

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:

Benjamin Chow  
LIKO Hardware Company Limited  
No.3, Shunjing No.9 Road, Jinlong Industrial Park, Longmian  
Village, Duruan Town, Jiangmen City, Guangdong, China  
7th June 2018

(Place and Date of issue)

(signature)