Constancy of Performance Certificate

No. 0370-CPR-6862

Date issued: 28/08/2026
First issue date: 30/06/2023
Follow-up date: before 30/06/2027

LGAI Technological Center S.A. (APPLUS+), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

Zhongshan Runhong Hardware Manufacturing Co., Ltd.
No.18, Shunmin Rd, Jixi, Xiaolan, Zhongshan City, Guangdong Province, China

Manufactured at the production plant

No.18, Shunmin Rd, Jixi, Xiaolan, Zhongshan City, Guangdong Province, China

PRODUCT

Building hardware. Single-axis hinges

Brand: RH

Models: 100*88*30-2bb, 403030-2bb, 404030-2bb, 503030-2bb, 504030-2bb, 403530-2bb, 454030-2bb, 503530-2bb, 454530-2bb

APPLICABLE REGULATION

Construction Product Regulation (CPR)
In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard:

EN 1935:2002; EN 1935:2002/AC:2003

Under **system 1** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

This document is not valid without its technical annex; whose number coincides with that of the certificate.

Xavier Ruiz Peña
Managing Director
Conformity Assessment

LGAI Technological Center S.A. (APPLUS+)
Notified Body No. 0370
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08193 Bellaterra, Barcelona (Spain)

ENAC
CERTIFICACIÓN
ISO 17065
Nº12 / C-PR054

Check the status of this certificate

Certificate

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

LGAI Technological Center S.A. (APPLUS+)
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Technical Annex

Annex according to EN 1935:2002; EN 1935:2002/AC:2003

Building hardware. Locks and latches. Single-axis hinges. Requirements and test methods

Code identification EN 1935:2002; EN 1935:2002/AC:2003								
Models	Category of use	Durability	Door mass	Suitability for use on fire/smoke compartmentation doors	Safety of people	Corrosion resistance	Security of property	Hinge grade
100*88*30-2bb, 403030-2bb, 404030-2bb, 503030-2bb, 504030-2bb, 403530-2bb, 454030-2bb, 503530-2bb, 454530-2bb	4	7	6	1	1	4	0	13

Category of use (first digit)

grade 1 – Light duty = Hinges for use on doors or windows in housing or other living areas in buildings where there is a low frequency or use by those with a high incentive to exercise care and with a small chance of accidents occurring or of misuse.

grade 2 – Medium duty = Hinges for use on doors in housing or other living areas and in other buildings where there is a medium frequency of use by those with some incentive to exercise care but where there is some chance of accidents occurring or of misuse.

grade 3 – Heavy duty = Hinges for use on doors in buildings where there is a high frequency of use by public or others with little incentive to exercise care and with a high chance of accidents occurring or of misuse.

grade 4 – Severe duty = Hinges for use on doors which are subject to frequent violent usage.

Durability (second digit)

grade 3 = 10.000 cycles
grade 4 = 25.000 cycles
grade 7 = 200.000 cycles

Door mass (third digit)

grade 0 = 10 kg
grade 1 = 20 kg
grade 2 = 40 kg
grade 3 = 60 kg
grade 4 = 80 kg
grade 5 = 100 kg
grade 6 = 120 kg
grade 7 = 160 kg

Suitability for use on fire/smoke compartmentation doors (fourth digit)

grade 0: Not suitable for use on fire resistant and/or smoke control door assemblies
grade 1: Suitable for use on fire/smoke resistant door

Safety of people (fifth digit)

It is identified as grade 1.

Corrosion resistance (sixth digit)

grade 0 = No defined resistance to corrosion.
grade 1 = mild resistance
grade 2 = moderate resistance
grade 3 = high resistance
grade 4 = very high resistance

Security of property (seventh digit)

grade 0 = not suitable for use on burglar-resistant door assemblies.
grade 1= Suitable for use on burglar-resistant door assemblies.

Hinge grade (eighth digit)

14 degrees of hinge are identified:

Hinge Grade	Load Deformation Mass Kg	Overload Mass Kg	Shear load kN
1	20	30	1,5
2	40	60	1,5
3	40	60	1,5
4	40	60	1,5
5	80	120	1,5
6	80	120	1,5
7	80	120	1,5
8	120	180	1,5
9	120	180	1,5
10	120	180	1,5
11	160	240	3,0
12	200	300	6,0
13	240	360	10,0
14	320	480	15,0