



NOTIFIED BODY No. 1488
INSTYTUT TECHNIKI BUDOWLANEJ
CERTIFICATION DEPARTMENT

ul. FILTROWA 1, 00-611 WARSZAWA
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AC 020

CERTIFICATE OF CONSTANCY OF PERFORMANCE
1488-CPR-0328/W

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Single axis hinges MASTER Dinamika

general identification, intended use and performance of the product are described
in the Annex No. Z-1488-CPR-0328/W
which is an integral part of this certificate

placed on the market under the name or trade mark of:

MASTER ITALY S.R.L.
S.P. 37 Conversano - Castiglione km 0,57
70014 CONVERSANO (BA)
Italy

and produced in the manufacturing plant:

MASTER ITALY S.R.L.
S.P. 37 Conversano-Castiglione km 0,57
70014 Conversano (BA)
Italy

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 that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 11.02.2013 (updated on 13.01.2014 and 13.05.2024) and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

HEAD
of the Certification Department

Katarzyna Hatowska, M.Sc. Eng.



DEPUTY DIRECTOR
of Instytut Techniki Budowlanej

Anna Panek, M.Sc. Eng.

Warsaw, 13.05.2024



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Annex No. Z-1488-CPR-0328/W, page 1/2
which is an integral part of the certificate no. 1488-CPR-0328/W

MASTER Dinamika single axis hinges

List of essential product characteristics acc. to EN 1935:2002 + EN 1935:2002/AC:2003

Essential characteristics of the product	Harmonized standard	Levels and/or the mandate classes	Evaluation
	EN 1935:2002, + EN 1935:2002/AC:2003		
Self-closing			
Initial friction torque measurements	5.1	none	$\leq 4 \text{ Nm}$ Meets the requirements
Static load – Load deformation	5.2.1	none	permanent deformation - in area G.1; no visible damage Meets the requirements
Static load – Overload	5.2.2	none	no visible damage Meets the requirements
Shear strength	5.3	none	no visible damage; Horizontal and vertical deformations $\leq 1 \text{ mm}$; functional integrity retained after 20 trial test cycles Meets the requirements
Suitability for use on fire-resistant and/or smoke-control doors	5.6	none	hinges have been tested for fire resistance (E ₁ 60) with swinging doors, single and double-leafed, of aluminium profiles, solid Meets the requirements
Durability			
Durability	5.4.	none	leaf weight of 160 kg; Max. frictional torque after 20 and 200,000 cycles $\leq 4 \text{ Nm}$; horizontal and vertical deflection remain in area G.2 Meets the requirements
Corrosion resistance	5.5.	none	Class 3 (96 hrs) - high resistance Meets the requirements

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MASTER Dinamika single axis hinges

Hinges classification acc. to EN 1935:2002 + EN 1935:2002/AC:2003

	1	2	3	4	5	6	7	8
Hinges types	Category of use	Durability	Test door mass	Suitability for fire/smoke resistance doors	Safety	Corrosion resistance	Security Burglar-resistance	Hinge grade
Single-axis, two-wing hinges type. A8010, A8011, A8012, A8013, A8014	4	7	7	1	1	4	0	14
Single-axis, three-wing hinges type A8010.11, A8011.11, A8012.11, A8013.11, A8014.11	4	7	7	1	1	4	0	14

Intended use:

MASTER Dinamika single-axis hinges, manufactured as aluminium hinges, single-axis, double- or triple-winged, with the technical configuration specified in the manufacturer's technical documentation, are intended for use on doors which are fire/smoke compartments and which are equipped with door closers (to enable such doors to close reliably and thus to achieve an automatic closure in the event of fire). The scope of applicability of the hinges in question is strictly limited and applies to door assemblies of similar design, type and size to doors of aluminium profiles, which have been tested for fire resistance (EI60) together with the hinges in question.

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