

DECLARATION of PERFORMANCE

NR 01/HV/EN14399/2019



1. *Unique identification code of the product-type:* **HV sets bolt-nut-washers HDG;**
2. *Intended use:* **For high-strength assembly steel structure;**
3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:*
Marcopol Sp. z o.o. Producent Śrub ul. Oliwska 100, 80-209 Chwaszczyno
Production place: **2-02-86**
4. *System or systems of assessment and verification of constancy of performance of the construction product:*
System of assessment 2+
5. *Harmonized standard:* **EN 14399-1:2015** *Notified Body:* **Nr 1453 - Główny Instytut Górniczy**
Certificate of Conformity Factory Quality Control number: 1453-CPR-2
6. *Declared performance:*

| Product | Essential characteristics | Performance | Harmonized standard |
|---------------|---------------------------|--|-----------------------------------|
| Bolt | Thread tolerance | 6g | ISO 261, ISO 965-2 |
| | Mechanical property class | 10.9 | ISO 898-1 |
| | Impact strength value | $K_{v,min}=27J, at-20^{\circ}C$ | EN 10045-1 |
| | Tolerance | C except dimensions (c, r) Tolerance for length $\geq 160mm: \pm 4.0mm$ | EN ISO 4759-1 |
| Nut | Thread tolerance | 6H or 6AZ | ISO 261 ISO 965-2 ISO 965-5 |
| | Mechanical property class | 10 | EN 20898-2 |
| | Tolerance | B except dimensions (m, c) | EN ISO 4759-1 |
| Washers | Hardness | 300-370HV | EN 14399-5 |
| | Tolerance | A | EN ISO 4759-3 |
| Assembly sets | k-class | K0, 0.10~K1~0.16 | EN 14399-1:2015 |

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6

This declaration of performance is issued according to EU Regulation number 305/2011) under the sole responsibility of the manufacturer identified in point 3.

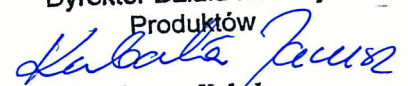
Chwaszczyno, 03.06.2019.

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju
Produktów



Janusz Kabała