

## 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	$K_{v,min}=27J,at-20^{\circ}$	EN 10045-1
	Tolerance	C except dimensions (c, r)	EN ISO 4759-1
Tolerance for length $\geq 160mm:\pm 4.0mm$			
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*

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