



**BRK INDUSTRIES**

**Declaration of Performance - No: BRK-20-8.8 HDG-2005**

According to Regulation (EU Exit)2019 No.465 & Regulation (EU Exit) 2020 No.1359

|   |   |
|---|---|
| For the construction product                  | <b>HEX BOLT+NUT+WASHER for Structural Fasteners</b>   |
| 1.Uniqueidentificationcodeofthe product type: | <b>M20, 8.8 SB/ 10SB – HDG – EN 15048-1:2007</b>  |
| 2. Intended use:                              | General Building and Structural metallic works  |
| 3. Manufacturer:                              | BRK INDUSTRIES<br>C-65 Phase V Focal Piont<br>Ludhiana. Punjab India - 141010   |
| 4. Authorized representative:                 | Not Applicable  |
| 5. System of AVCP:                            | <b>System 2+</b>  |
| 6. Harmonised standard:<br>UK Approved Body:  | <b>EN 15048-1:2007</b><br><b>TUV UK Limited</b><br><b>AMP House, Suites 27 – 29, Fifth Floor, Dingwall Road,<br/>Croydon, CR0 2LX, United Kingdom</b> |

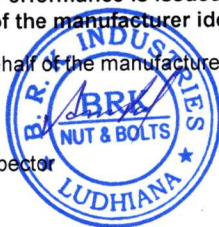
| 7. Declared performance:  |  |                                    |
|---|--|------------------------------------|
| Essential characteristics   | Performance  | Harmonized technical specification |
| <b>BOLT :</b><br>Dimensions and shape<br>Tensile Strength<br>Stress at 0.2% non proportional elongation<br>Wedge Load<br>Proof Load<br>Hardness<br>Impact Strength<br>Release of Dangerous substance<br>Durability (Corrosion Protection) | ISO 4014 & ISO 4017<br>830 Mpa Min.<br>660 Mpa Min.<br>203.000KN Min.<br>147.000KN Min.<br>23-34 HRC<br>Minimum 27J at -20°C<br>Less than 0.2 ppm<br>Min. coating thickness 40 Microns | EN 15048-1:2007                    |
| <b>NUT :</b><br>Dimensions and shape<br>Proof Load<br>Hardness<br>Release of Dangerous substance<br>Durability (Corrosion Protection)   | ISO 4032<br>259.700KN Min.<br>272-353 HV<br>Less than 0.2 ppm<br>Min. coating thickness 40 Microns   |                                    |
| <b>WASHER :</b><br>Dimensions and shape<br>Hardness<br>Release of Dangerous substance<br>Durability (Corrosion Protection)  | ISO 7091<br>100 HV Min.<br>Less than 0.2 ppm<br>Min. coating thickness 40 Microns  |                                    |
| Suitability   | Acceptable   |                                    |
| Weldability   | Not Applicable   |                                    |

The performance of the product identified above is in conformity with the set of declared performance.

This Declaration of Performance is issued, in accordance with Construction Products Regulation 2011 Amendment 2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Surinder Pal Singh  
Work Authorized Inspector  
BRK INDUSTRIES



Dated: 22.09.2022

C-65, PHASE-V, FOCAL POINT, LUDHIANA-141 010

The Declarations of Performance for download: [www.brknutsbolts.com/BRK/DOP/BRK/DOP/402](http://www.brknutsbolts.com/BRK/DOP/BRK/DOP/402)

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