

Declaration of Performance (DOP)

According to Annex III of Regulation No: 305/2011

DOP No.: HEP-2118

1. Unique identification code of the product type:

HE SB 15048-1 (Non Preloaded structural Bolting Assemblies)

2. Identification of the construction product (Acc to article 11 par.4):

Type and Lot - Number displayed on the packaging and 3.1 Inspection Certificates EN10204

3. Intended Use (s) of the construction product:

GENERAL BUILDING AND ENGINEERING STRUCTURES WITHOUT DIRECT TENSION INDICATOR

4. Name, Registered Trade Mark and contact address of the manufacturer (Acc to article 11 par.5):

M/S HAMIDI EXPORTS

E-406,418,419 PHASE 6 FOCAL POINT

LUDHIANA 141010, PUNJAB, INDIA

5. Name and contact address of the authorized representative (Acc to article 12 par.2):

Not Applicable

6. System of assessment and verification of construction product:

Attestation System 2+

7. Name and identification of Notifying Body:

Deedal Attestation and Certification Ltd

Notified body no. 1922

Certification number: 1922-CPR-0583

8. Construction of product with Harmonized standard EN-15048-1:2007:

Sizes M12,M16,M20,M24, M27, M30 & M36 grade 8.8 for Bolt

M12,M16,M20,M24, M27, M30 & M36 Grade 8SB for Nut

9. Declared Performance:

Declared Performance		
Essential Characteristics	Performance	Harmonized Technical Specification
Bolt:		
1. Tensile Strength	830 MPa Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
2. Stress at 0.2% non proportional elongation	660 MPa Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
3. Wedge Load	830 MPa Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
4. Proof Load	600 MPa Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
5. Hardness (Rockwell)	23-34 HRC	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
6. Impact Strength	27J min at -20°C	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
7. Durability (Corrosion Protection)	Min. coating thickness 40 microns	EN 15048-Part 1:2007 (ISO 10684:2004)
8. Elongation After Fracture	12% Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
9. Reduction in Area After Fracture	52% Min.	EN 15048-Part 1:2007 (ISO 898 part 1:2013)
Nut:		
1. Proof Load	ISO 898 part2:2022	EN 15048-Part 1:2007 (ISO 898 part 2:2022)
2. Hardness	ISO 898 part2:2022	EN 15048-Part 1:2007 (ISO 898 part 2:2022)
3. Durability (Corrosion Protection)	Min coating thickness 40 microns	EN 15048-Part 1:2007 (ISO 10684:2004)
Assemblies:		
1. Tensile Resistance of the assembly	830 MPa Min.	EN 15048-Part 1:2007
2. Durability (Corrosion Protection)	Min coating thickness 40 microns	EN 15048-Part 1:2007 (ISO 10684:2004)

10. The performance of the product identified in points 1 & 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

The material Performance of accurately with respect to heat of the cast is mentioned in 3.1 Test Certificate in Point 4.

Signed for and on the behalf of the manufacturer by:

Quality Assurance

Hamidi Exports
E-419, Focal Point, Phase-VI
Chandigarh, INDIA
Ag. Damer

Date: 01/06/2023

Signature