Declaration Of Performance BS EN 15048 Part 1&2

Declaration of performance no: NX/PR/1237/HDG
Issued in accordance with Construction Product Regulation(305/2011/EEC)

For the construction product	**Components and assemblies from ferritic steels for high strength non-preloaded bolting assemblies**
1. Unique identification code for product type:	**Non Preloaded structural Bolting Assemblies**
2.Type , Batch No/Serial No: **acc to article 11 par.4**	**Type and Lot -Number displayed on the packaging and** **3.1 Inspection Certificates EN10204**
3.Intended use for contruction product:	**Structural bolting Assemblies**
4.Contact adress of manufracturer: **acc to article 11 par.5**	**Nexo Industries (P) Limited** **Village Mangarh ,Machhiwara Road** **Ludhiana, Punjab (141112) India.**
5. Contact adress of authorised representative: **acc to article 12 par.2**	**Not Applicable**
6. Assessment system and verification for constancy of performance: **acc to annex V**	**Attestation system 2+**
7. Notified body: **Notified bodyAddress:** **Notified body No:** **Tuv (0045)performed initial inspection of the Factory Production Control and the continuous Surveillance Assessment and Evaluation of Factory Production Control against the requirements of Attestation System 2+ and issued the certificate of the Factory Production Control**	**TUV NORD Systems GmbH & CO KG,** **Hamburg ,Germany** **TUV 0045** **Certificate No. 0045-CPR-1603**
8.Construction of product with European Technical Assessment:	**Conform to Standard EN 15048-1&2 with size 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

Essential Characteristics	Performance	Harmonised technical specification
Tolerance on dimension, from and position	**Tolerance class A,B**	**ISO 4014, ISO 4017:2011, ISO 4032:2012**
Bolt:	**M12,M16,M20,M24, M27, M30 & M36**	
1. Tensile Strength	**830 N/mm² Min.**	**EN 15048-Part 1:2007 (ISO 898 part 1:2013)**
2. Stress at 0.2% non proportional elongation	**660 N/mm² Min.**	**EN 15048-Part 1:2007 (ISO 898 part 1:2013)**
3. Proof Stress	**600 N/mm² Min.**	**EN 15048-Part 1:2007 (ISO 898 part 1:2013)**
4. Wedge Load	**830 N/mm² 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	**27 J Average (at -20° C)**	**EN 15048-Part 1:2007 (ISO 898 part 1:2013)**
7. Release of dangerous substance	**less than 0.2 ppm**	**EN 15048-Part 1:2007**
8. Elongation after fracture %	**12%**	**EN 15048-Part 1:2007 (ISO 898 part 1:2013)**
9. Durability (Corrosion Protection)	**Min. coating thickness 40 microns**	**EN 15048-Part 1:2007 (ISO 10684:2004)**
Nut :	**M12,M16,M20,M24, M27, M30 & M36**	
1. Proof Stress	**ISO 898 part2:2012**	**EN 15048-Part 1:2007 (ISO 898 part 2:2012)**
2.Hardness	**ISO 898 part2:2012**	**EN 15048-Part 1:2007 (ISO 898 part 2:2012)**
3. Release of dangerous substance	**less than 0.2 ppm**	**EN 15048-Part 1:2007**
4. Durability (Corrosion Protection)	**Min. coating thickness 40 microns**	**EN 15048-Part 1:2007 (ISO 10684:2004)**
Assemblies :		
1. Tensile Resistance of the assembly	**830 N/mm² Min.**	**EN 15048-Part 1:2007**
2. Durability (Corrosion Protection)	**Min. coating thickness 40 microns**	**EN 15048-Part 1:2007 (ISO 10684:2004)**

10.a The performance of the product identified in Points 1 and 2 is in conformity with the declared performance in point 9.
This declaration of Performance is issued under the sole responsibility of the manufracurer identified in Point 4.
10.b 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 behalf of the manufacturer by:

Name : RAMANDIP SINGH
Position: MANAGER (Q.A&I)

Date : 22.09.2019