# Under to

## DEEPAK FASTENERS LIMITED



DECLARATIO	ON OF PERFORM	ance (Dop)	
Product Size	M20	Ref. No.	DF062013/3447
Product Grade	8.8	Finish	BZP
Product Type	Non Preloading Structural Bolting Assembly		
Product reference standard	EN 15048- Part 1&2		
Intended Use	General building & engineering structures		
Manufacturer	M/s Deepak Fasteners Limited		
Address of the Manufacturer	4th Floor, First Mall, The Mall, Ludhiana-141001, Punjab (INDIA)		
Contact No. of the Manufacturer	+91-161-3911111, Extension No 1105		
Name & identification no. of notifying body	TUV Nord Systems GmbH & Co. KG; 0045		
Factory Production Control certificate No.	FPC report no. 0045-CPD-1502		
Authorized Representative	Mr. G.S. Nagi (Vice President)		
	eclared Performance	到自身建筑	
Essential Characteristics	Performance		Harmonized Specification
1. Tensile Strength	600 MPa (Nominal) Pass with 6" 23-34 HRC	°C	EN 15048- Part 1 & Part 2
	Product Grade Product Type Product reference standard Intended Use Manufacturer Address of the Manufacturer Contact No. of the Manufacturer Name & identification no. of notifying body Factory Production Control certificate No. Authorized Representative  Essential Characteristics Bolt: 1. Tensile Strength 2. Stress at 0.2% non proportional elongation 3. Stress under Proof Load 4. Strength under wedge loading 5. Hardness (Rockwell) 6. Impact Strength	Product Grade  Product Type  Product Type  Product reference standard  Intended Use  Manufacturer  Address of the Manufacturer  Contact No. of the Manufacturer  Name & identification no. of notifying body Factory Production Control certificate No.  Authorized Representative  Performance  Essential Characteristics  Bolt:  Tensile Strength  Stress under Proof Load  Strength under wedge loading  Hardness (Rockwell)  Hong Preloading Structor  Mon Preloading Structor  General building & eng  M/s Deepak Fasteners  M/s Deepak Fasteners  M/s Deepak Fasteners  TUV Nord Systems Gmo  FPC report no. 0045-CF  Performance  Bolt:  Stress at 0.2% non proportional elongation  Stress under Proof Load  Strength under wedge loading  Hardness (Rockwell)  Impact Strength  Monimum 27 J at -20	Product Grade  Product Type  Non Preloading Structural Bolting Assem Product reference standard  EN 15048- Part 1&2  Intended Use  General building & engineering structural  M/s Deepak Fasteners Limited  Address of the Manufacturer  Address of the Manufacturer  Contact No. of the Manufacturer  H91-161-3911111, Extension No 1105  Name & identification no. of notifying body Factory Production Control certificate No.  Authorized Representative  FPC report no. 0045-CPD-1502  Authorized Representative  Mr. G.S. Nagi (Vice President)  Declared Performance  Essential Characteristics  Performance  830 MPa (Min. 660 MPa (Min.) 3. Stress at 0.2% non proportional elongation 3. Stress under Proof Load 4. Strength under wedge loading 5. Hardness (Rockwell) 6. Impact Strength Minimum 27 J at -20°C

### Nut: 1. Proof Load

Hardness 3. Release of dangerous substances

Durability (Corrosion Protection)

#### Washers:

1. Hardness

2. Release of dangerous substances

3. Durability

#### Assemblies:

1. Tensile Resistance of the assembly

2. Durability (Corrosion Protection)

Minimum 100 HV

Less than 0.2 ppm

225,400 N

233-353 HV

Less than 0.2 ppm

Min, coating thickness 8 microns

Min. coating thickness 8 microns

203.00 KN (Minimum)

Min, coating thickness 8 microns

The performance of the product identified in point1&2 is in conformity with the declared performance in point 12. This declaration of performance is issued under the sole responsibility of the manufacturer identified in Point 7, Signed for and on behalf of the manufacturer by:

GS Nagi

(Vice President)

Place; Ludhiana (INDIA)

Date: 17 NE 7013