

## DECLARATION OF PERFORMANCE

Nr. 20130701-15048  
 Acc. to Annex III Construction Products Regulation ( 305/2011/EU)  
 Delegated Regulation (EU) Nr. 574/2014

For the construction product: **Non preloaded structural bolting assemblies**

1. Unique identification code of product : **EN 15048-1:2007 – 8.8**
2. Intended use for construction product : **General building and engineering structures including off-shore structures**
3. Contact address of manufacturer : **Stafa Group  
Den Engelsman 18  
6026 RB Maarheeze  
The Netherlands**
4. Contact address of authorised representative : **Not Relevant**
5. Assessment system **System 2+**
6. Verification for consistency of performance : **EN 15048, Annex ZA**

The notified body

**TÜV NORD Systems GmbH & Co. KG**  
**D-22525 Hamburg , Kenn.Nr. 0045**  
 (cert.no. 0045-CPR-1957)

7. Declaration performance:

Essential characteristics	Performance		Harmonized technical specification	Additional technical specification	
	Class 8.8 <M12	Class 8.8 ≥M12			
Tolerance on dimension and shape	Tolerance class A		<b>EN 15048-1:2007</b>	ISO 4014:2011; ISO 4017:2014 ISO 4032:2012	
Tensile strength R <sub>m</sub> [MPa]	min.800	min.830		ISO 898-1:2013	
Elongation after fracture [%]	min.12	min.12		ISO 898-1:2013	
Stress at 0.2% nonproportional elongation R <sub>p0.2</sub> [MPa]	NPD	NPD		ISO 898-1:2013	
Stress under proof load S <sub>p</sub> [MPa]	NPD	NPD		ISO 898-1:2013	
Tensile test under wedge loading [MPa]	min.800	min.830		ISO 898-1:2013	
Hardness HB	245-316	250-331		ISO 898-1:2013	
Reziliencia Kv -20 <sup>o</sup> C [J]	min.27	min.27		-	
NUTS	Stress under proof load[MPa]	880		920	ISO 898-2:2012
	Hardness HV	200-302		233-353	ISO 898-2:2012
ASSEMBLY	Tensile strength [MPa]	min.800		min.830	-
		EN 15048-2:2007		-	
Electroplated fasteners	For dry internal use only			ISO 4042:2018	
Hot dip galvanized fasteners	C3-Interior :High humidity ,some air pollution Exterior:Urban inland or mild costal			EN ISO 10684:2004	
Dangerous substance	NPD				

**Visitors**

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**CoC:** 17075593

**The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.**

The authorized representative of Stafa Group.

Joep van Gool, Management:



Maarheeze, 21 December 2024

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