

**MİTAŞ CIVATA SANAYİ VE TİCARET A.Ş.**

Declaration of Performance (DoP) in accordance with EU-Regulation 305/2011, Annex III

**M09 / 1783-CPR-487**

1. Unique identification code of the product type:	Non-preloaded structural bolting assembly EN 15048-1
2. Type, batch or serial or number:	High-Strength Structural Bolting Assemblies SB 8.8/8 or 8.8/10 Bolting assemblies lot number: see label or accompanying documents
3. Intended use as foreseen by the manufacturer:	Structural metallic works
4. Name and contact address of the manufacturer:	MİTAŞ CIVATA SANAYİ VE TİCARET A.Ş. ASO 2. Ve 3. Organize Sanayi Bölgesi Alcı OSB Mahallesi 2001. Cd. No:18 Sincan / ANKARA - TURKEY
5. Authorised representative:	N/A
6. System of assessment and verification of constancy of performance of the construction product as set in EU-Regulation 305/2011 annex V:	System 2+
7. Declaration of Performance concerning a construction product covered by a harmonised standard:	Notified factory production control certification Body - TURKISH STANDARDS INSTITUTION No. 1783-CPR-487 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.
8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	N/A

### 9. Declaration of Performance

Tolerances on dimensions, form and position (bolts) Harmonized technical specification: EN 15048-1:2007	Product grade A/B (ISO 4014 & ISO 4017) as per size Product grade C (DIN 7990, ISO 4016 & ISO 4018)	
Property Class / Harmonized technical spec.: EN 15048-1:2007 Percent elongation after fracture (bolts) Minimum tensile strength (bolts) Stress at 0,2% non-proportional elongation (bolts) Stress under proof load (bolts) Stress under wedge loading (bolts) Hardness (bolts) Impact strength (bolts)	8.8 A % ≥ 12 R <sub>m</sub> ≥ 830 MPa R <sub>p0.2</sub> ≥ 660 MPa S <sub>p</sub> : 600 MPa R <sub>m</sub> ≥ 830 MPa Btw 255 HV - 335 HV ≥ 27 j at -20 °C	
Tolerances on dimensions, form and position (nuts) Harmonized technical specification: EN 15048-1:2007	Product grade A/B (ISO 4032) as per size Product grade C (ISO 4034)	
Property Class / Harmonized technical spec.: EN 15048-1:2007 Stress under proof load (nuts) Hardness (nuts)	8 Pass (EN ISO 898-2) Btw 200 - 302 HV (D ≤ M16) Btw 233 - 353 HV (D > M16)	10 Pass (EN ISO 898-2) Btw 272 - 353 HV
Tolerances on dimensions, form and position (washers) Harmonized technical specification: EN 15048-1:2007	Product grade C (ISO 7091, DIN 7989-1) Product grade A (ISO 7089, ISO 7090, ISO 7092, DIN 7989-2)	
Hardness (washers)	Btw 300 - 370 HV ISO 7089, ISO 7090, ISO 7092 Btw 200 - 300 HV ISO 7089, ISO 7090, ISO 7092 Btw 100 - 250 HV DIN 7989-2, DIN 7989-2 Btw 100 - 200 HV ISO 7091	
Type / Harmonized technical specification: EN 15048-1:2007	SB	
Suitability of assembly for preloading (assemblies)	EN 15048-1 & EN 15048-2 F <sub>bi</sub> max : ≥ f <sub>ub</sub> (EN 15048-1:2007) Failure : Slip Thread or Thread Break	
Release of dangerous substances (bolts)	X < 0,2 ppm	
Durability (assemblies)	N/A	

10. 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 (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Kemal BAŞAK**

*Quality Director*

 **MITAŞ CIVATA**

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ANKARA

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