

DECLARATION OF PERFORMANCE No. M36SB8.8/10SHER
(EU Declaration of Conformity)



2814

UIC of the product type: M36SB8.8/10SHER (Unique Identification Code)
Intended use: General building and engineering structures including off-shore structures
Manufacturer: **Andrews Fasteners Ltd**
Unit 8, Latchmore Park, Latchmore Rd, Leeds, West Yorkshire, LS12 6DN, United Kingdom
System/s of AVCP: System 2+
Harmonised standard: BS EN 15048-1:2007
Notified Body/ies: 2814 - Lloyd's Register Verification B.V.(Reg. no. 24247947)
 K.P. Van Der Mandeleelen 41 A, 3062MB, Rotterdam, Netherlands
EC Certificate of Conformity No. 2814/CPR/LRQ 4009220/A

Declared performance/s:

| Essential characteristics | Performance | Harmonized technical specification | |
|---|--|------------------------------------|--|
| Bolt | | | |
| Tolerances on dim., form and position | ISO 4017 | BS EN 15048-1:2007 | |
| Elongation after fracture | min. 12% (ISO 898-1) | | |
| Minimum tensile strength | min. 830 MPa (ISO 898-1) | | |
| Lower yield strength or Stress at 0.2% non-proportional | min. 660 MPa (ISO 898-1) | | |
| Stress under proof load | min. 600 MPa (ISO 898-1) | | |
| Strength under wedge loading | min. 678 kN (ISO 898-1) | | |
| Hardness | req 255-335 HV, 250-331 HBW, 23-34 HRC (ISO 898-1) | | |
| Impact strength | min. 27 J at -20 °C (ISO 898-1) | | |
| Release of dangerous substances | Substances X: Less than 0.2 ppm | | |
| Durability | pass (EN 13811, 15um min) | | |
| Nut | | | |
| Tolerances on dimensions, form and position | ISO 4032 | | |
| Stress under proof load | min. 866 kN (ISO 898-2) | | |
| Hardness | 272-353 HV, 259-336 HB, 26-36 HRC (ISO 898-2) | | |
| Release of dangerous substances | Substances X: Less than 0.2 ppm | | |
| Durability | pass (EN 13811, 15um min) | | |
| Washer/s | | | |
| Tolerances on dimensions, form and position | ISO 7091 | | |
| Hardness (washer) | min. 100 HV | | |
| Release of dangerous substances | Substances X: Less than 0.2 ppm | | |
| Durability | pass (EN 13811, 15um min) | | |
| Assembly | | | |
| Tensile Resistance of the assembly | min. 678 kN (ISO 898-1) | | |
| Durability | pass (EN 13811, 15um min) | | |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) 305/2011 including changes commenced by Commission Delegated Regulation (EU) No 574/2014 and relevant requirements of the Harmonized Standard - Annex ZA under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Michael Carey
 Managing Director
 At Leeds on 01/01/2021