

# **DECLARATION OF PERFORMANCE**

**No. 10805024**

Issued in accordance with the

## **CONSTRUCTION PRODUCTS REGULATIONS**

This is to certify that, in accordance with EU Regulation No.305/2011

1. Product type :

**Non-preloaded structural bolting assemblies**

2. Type, batch or serial number or any other element allowing identification of the construction product as required by Article 11(4):

**Non-preloaded structural bolting assemblies according to DIN EN 15048-1 : 2007, class 8.8  
Lot number on the product label**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Non-preloaded structural bolting assemblies**

4. Name, registered trade name or mark and contact address of the manufacturer as required under Article 11(5) :

**OFCO INDUSTRIAL CORPORATION  
299, Yu-Lin Road, Chiaotou District, Kaohsiung City 825, Taiwan**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**N/A**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**System 2+**

7. Harmonised standard:

**EN 15048-1:2007 (General requirement)**

8. Lloyd's Register Verification (0038) performed initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, under system 2+ and issued 0038/CPD/SHA/TWN6014258/A  
LRV Address: 71 Fenchurch Street London EC3M 4BSUK (United Kingdom).

9. Declared performance:

| <b>Bolts</b>                                |   |   |
|---|---|---|
| <b>Essential Characteristics</b>            | <b>Performance</b>                              | <b>Harmonised technical specification</b> |
| Tolerances on dimensions, form and position | Product Grade A                                 | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Elongation after fracture                   | NPD   | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Minimum tensile strength                    | NPD   | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Stress at 0,2 % non-proportional elongation | NPD   | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Stress under proof load                     | 8.8 grade                                       | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Strength under wedge loading                | 8.8 grade                                       | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Hardness                                    | 8.8 grade                                       | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Impact strength                             | NPD   | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| Release of dangerous substance              | Less than 0.2 ppm                               | EN 15048-1:2007 (ISO 898-1 : 2013)        |
| <b>Nuts</b>                                 |   |   |
| <b>Essential Characteristics</b>            | <b>Performance</b>                              | <b>Harmonised technical specification</b> |
| Tolerances on dimensions, form and position | ISO4759-1<br>d $\leq$ 16mm:A<br>d $\geq$ 16mm:B | EN 15048-1:2007 (ISO 898-2:2012)          |
| Stress under proof load                     | ISO898-2 Table 4                                | EN 15048-1:2007 (ISO 898-2:2012)          |
| Hardness                                    | ISO898-2 Table 6                                | EN 15048-1:2007 (ISO 898-2:2012)          |
| Release of dangerous substance              | Less than 0.2 ppm                               | EN 15048-1:2007 (ISO 898-2:2012)          |

10. The performance of the product identified in points 1 & 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

General Manager; Charles Chiou  
Kaohsiung, Taiwan  
Date : May. 21, 2019

OFCO INDUSTRIAL CORPORATION  
*Silver Chiang*