BAPP Group of Companies

# EC Declaration of Performance

## BS EN 14399 PARTS 1, 2, 6 & 10

**Declaration of Performance No: BAPP0219 ISSUE 7**

## ISSUED IN ACCORDANCE WITH Construction Product Regulation 305/2011/EU

| | |
|---|---|
| **Product Identification:** | **Preloaded Structural Bolting Assemblies** |
| **Product Size:** | M20 |
| **Bolt Grade Product:** | Carbon Steel/Alloy Steel Class 10.9HRC |
| **Nut Grade Product:** | Carbon Steel/Alloy Steel Class 10HRD |
| **Washer Grade Product:** | Carbon Steel/Alloy Steel Class H |
| **Product Finish:** | HDG ISO 10684:2004 |
| **Intended Use of Product:** | **High Strength Structural Bolting Assemblies** |
| **Product Reference Standard:** | BS EN 14399 Parts 1, 2, 6 & 10 |
| **Manufacturer:** | **BAPP Group Limited** |
| **Manufacturer Address:** | **Unit 5, Darton Business Park, Darton, Barnsley, UK S75 5NQ** |
| **Manufacturer Contact:** | **Mr W Grealey 0044 1226 383824** |
| **Verification of Consistency:** | **Attestation System 2+** |
| **Harmonised Standard:** | BS EN 14399-1:2015 |
| **Notified Body:** | **LLOYD'S REGISTER VERIFICATION** |
| **Notified Body Address:** | **71 FENCHURCH STREET, LONDON, UK EC3M 4BS** |
| **Notified Body No:** | **LRV 0038** |

Lloyd's Register Verification (0038) performed initial inspection of the Factory Production Control and the Continuous Surveillance Assessment and Evaluation of Factory Production Control against the requirements of Attestation System 2+ and issued the Certificate of the Factory Production Control.

**Factory Production Control Certificate No: 0038/CPR/4006773/B**

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## DECLARATION OF PERFORMANCE BOLT:

| Essential Characteristics | Performance: | Harmonised Technical Specification |
|---|---|---|
| Tensile Strength. | 1040 Mpa (Minimum) | EN 14399-1:2015 (ISO 898-1:2013) |
| Stress at 0.2% non prop. Elongation. | 940 Mpa (Minimum) | EN 14399-1:2015 (ISO 898-1:2013) |
| Stress under Proof Load | 830 Mpa (Minimum) | EN 14399-1:2015 (ISO 898-1:2013) |
| Strength under Wedge Load. | 255000 N (Minimum) | EN 14399-1:2015 (ISO 898-1:2013) |
| Hardness. | 320-380 HV | EN 14399-1:2015 (ISO 898-1:2013) |
| Impact Strength. | Minimum 27 J at -20°C | EN 14399-1:2015 (ISO 898-1:2013) |
| Release of Dangerous Substances. | | NPD |
| Durability (Corrosion Protection). | | NPD |

## DECLARATION OF PERFORMANCE NUT:

| Essential Characteristics | Performance: | Harmonised Technical Specification |
|---|---|---|
| Proof Load. | 305000 N | EN 14399-1:2015 |
| Hardness. | 272-353 HV | EN 14399-1:2015 |
| Release of Dangerous Substances. | | NPD |
| Durability (Corrosion Protection). | | NPD |

## DECLARATION OF PERFORMANCE WASHERS:

| Essential Characteristics | Performance: | Harmonised Technical Specification |
|---|---|---|
| Hardness Part 6 | 300-370 HV | EN 14399-1 & 6:2015 |
| Release of Dangerous Substances. | | NPD |
| Durability (Corrosion Protection). | | NPD |

## DECLARATION OF PERFORMANCE ASSEMBLIES:

| Essential Characteristics | Performance: | Harmonised Technical Specification |
|---|---|---|
| Tensile Resistance of the Assembly | 171500 N (10.2) (Minimum) | EN 14399-2:2015 |
| Durability (Corrosion Protection). | | NPD |
| K-class | K0 | EN 14399-1 & 2:2015 |

BAPP Group Limited hereby declare that in compliance with the Construction Product Regulation 305/2011/EU, the products detailed above is in conformity with the declared performances in Declaration of Performance Tables above.

**This Declaration of Performance is issued under the sole responsibility of BAPP Group Limited.**

**Signed on behalf of BAPP Group Limited by:**

**Date:** 8th June 2020

**Name:** Wayne Grealey

**Position:** Group Technical Director

CE