



## Declaration of Performance (UK)

DOP#: 840239-3

1. Product type: TJEP PZ-16 38mm rustfri A4
2. Identification code: 840239
3. Intended use or uses of the construction product: Construction staple for structural timber products
4. Manufacturer: Kyocera Unimerco Fastening A/S, Drejervej 2, DK-7451 Sunds
5. System of assessment and verification of constancy of performance: System 3
6. TAB : Technický a zkušební ústav stavební Praha, s.p.
7. Report no. ETA 22/0559 according to EAD 1300019-00-0603. Year: 2024.
8. Declared performance (for explanation see point 10)

| Væsentlige egenskaber                                  | Ydeevne                    |   |
|--|----------------------------|---|
| $M_{y,k}$ [Nmm]  | 735                        |   |
| $f_{ax,k}$ [N/mm <sup>2</sup> ]                        | 10,4                       | @ $\rho_k = 350 \text{ kg/m}^3$                                     |
| $f_{head,k}$ [N/mm <sup>2</sup> ]                      | 27,47                      | @ $\rho_k = 350 \text{ kg/m}^3$                                     |
| $R_{ax,k}$   | 70 N with $\gamma_M = 1,3$ | @ $\rho_k = 350 \text{ kg/m}^3$                                     |
| Service class: 3                                       | A4                         | Corrosion protection:<br>Rustfri, Stainless, Rostfrei<br>EN1995-1-1 |
| Non-alloy steel rods according to EN 10088-(all parts) | $f_u > 900 \text{ N/mm}^2$ |   |
| a, c: 1,44 x 1,58 mm                                   | l: 38 mm                   | t3: 38 mm   |
| As: 2,28 mm <sup>2</sup>                               | b: 10,6 mm                 | Reaction to fire: Class A1  |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed 18-11-2023 for and on behalf of the manufacturer by:



Ebbe Hornstrup – Operations Director

10.

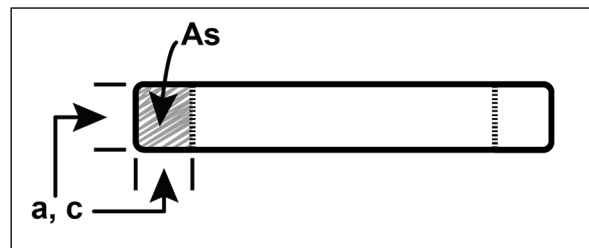
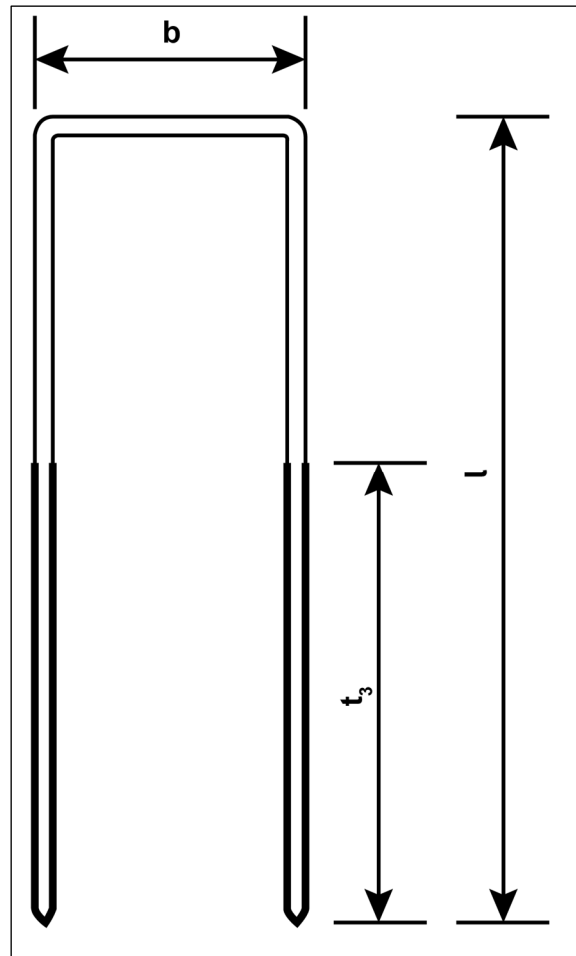
$M_{y,k}$



$f_{ax,k} - R_{ax,k}$



$f_{head,k}$





## Declaration of Performance (UK)

DOP#: 840239-2

1. Product type: TJEP PZ-16 38mm rustfri A4
2. Identification code: 840239
3. Intended use or uses of the construction product: Construction staple for structural timber products
4. Manufacturer: Kyocera Unimerco Fastening A/S, Drejervej 2, DK-7451 Sunds
5. System of assessment and verification of constancy of performance: System 3
6. Notified body: STROJIRENSKY ZKUSEBNI USTAV, NB 1015
7. Report no. CPR-J-0314-22 according to System 3 and according to EN 14592:2008 + A1:2012. Year: 2022
8. Declared performance (for explanation see point 10)

| Essential characteristics                              | Performance                              | Harmonised technical specification                                  |
|--|--|---|
| $M_{y,k}$ [Nmm]  | 735                                      | EN409   |
| $f_{ax,k}$ [N/mm <sup>2</sup> ]                        | Across fibre 11,81 -<br>Along fibre 8,94 | EN 1382<br>$\rho_k = 350 \text{ kg/m}^3$                            |
| $f_{head,k}$ [N/mm <sup>2</sup> ]                      | 0° = 19,93 90° =<br>27,47                | EN 1383<br>$\rho_k = 350 \text{ kg/m}^3$                            |
| $f_{tens,k}$ [kN]                                      | NPD                                      | EN 1383   |
| Service class: 3                                       | A4                                       | Corrosion protection:<br>Rustfri, Stainless, Rostfrei<br>EN1995-1-1 |
| Non-alloy steel rods according to EN 10088-(all parts) |  | $f_u: > 800 \text{ N/mm}^2$   |
| d: mm  | l: 38 mm                                 | Ah: mm <sup>2</sup>   |
| lg: / mm   | lp: mm                                   | Coating type: 3   |

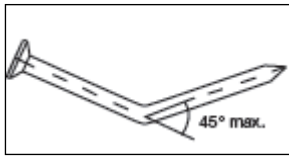
9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed 15-06-2023 for and on behalf of the manufacturer by:

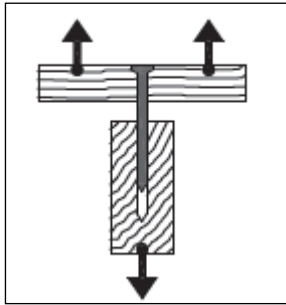
Ebbe Hornstrup – Operations Director

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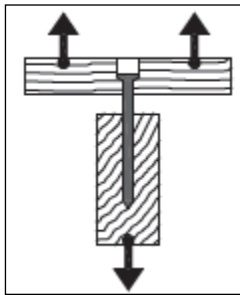
$M_y, k$



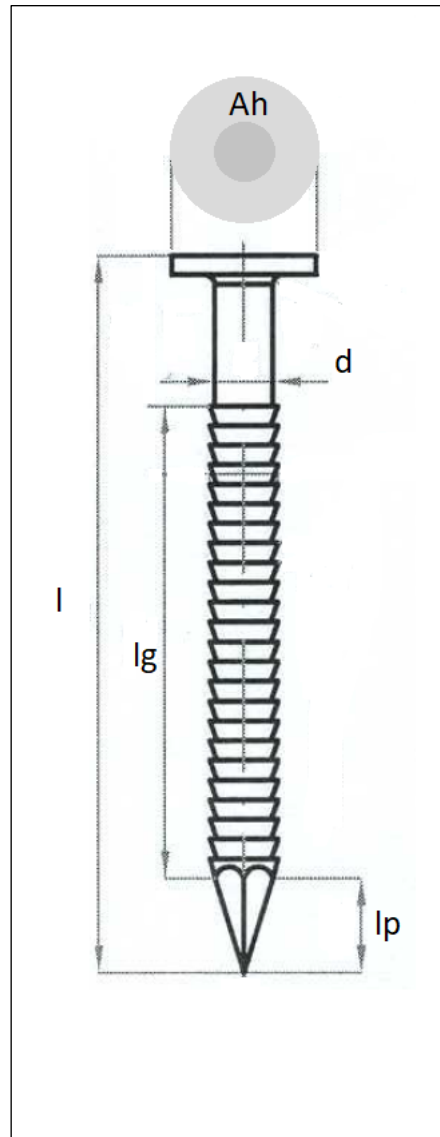
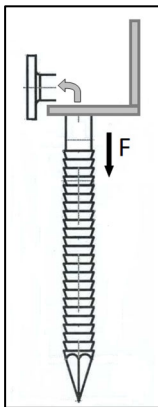
$f_{ax, k}$



$f_{head, k}$



$f_{tens, k}$



## Declaration of Performance (UK)

**DOP # 840239-1**

1. Product type:

**Dowel type fastener according to EN 14592**

2. Unique identification code of the product-type:

**TJEP PZ-16 38mm rustfri A4 No. 840239**

3. Intended use or uses of the construction product,

**Fastener for use in load bearing timber structures**

4. Name, registered trademark and homepage of the manufacturer

**Kyocera Unimerco Fastening**



**WWW.TJEP.EU**

5. Where applicable, name and contact address of the authorized representative:

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product (AVCP):

**System 3**

7. Name and identification number of the notified body:

**STROJIRENSKY ZKUSEBNI USTAV NB 1015 performed ITT under System 3 and issued:**

**Rapport # CPR-J-0214-22**

## 8. Declared performance

| Essential characteristics         | Performance                           | Harmonised technical specification                                       |
|-----------------------------------|---------------------------------------|--|
| <b>My,k [Nmm]</b>                 | <b>582</b>                            | EN409  |
| <b>fax,k [N/mm<sup>2</sup>]</b>   | Across fibre 9,32<br>Along fibre 7,77 | EN 1382<br><b>ρk = 350 kg/m<sup>3</sup></b>                              |
| <b>fhead,k [N/mm<sup>2</sup>]</b> | 0° = 18,88<br>90° = 29,91             | EN 1383<br><b>ρk = 350 kg/m<sup>3</sup></b>                              |
| <b>ftens,k [kN]</b>               | <b>NPD</b>                            | EN 1383  |
| <b>Serviceclass = 3</b>           | <b>A4</b>                             | <b>Corrosion protection</b><br><b>A4 RF, SS, RF</b><br><b>EN 10088-1</b> |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

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:

**30-06-2013 Sunds Denmark**



**Ebbe Hornstrup – Operations Director**

## Declaration of Performance (UK)

**DOP # 840239**

1. Product type:

**Dowel type fastener according to EN 14592**

2. Unique identification code of the product-type:

**TJEP PZ-16 38mm rustfri A4 No. 840239**

3. Intended use or uses of the construction product,

**Fastener for use in load bearing timber structures**

4. Name, registered trademark and homepage of the manufacturer

**Kyocera Unimerco Fastening**



**WWW.TJEP.EU**

5. Where applicable, name and contact address of the authorized representative:

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product (AVCP):

**System 3**

7. Name and identification number of the notified body:

**VHT NB 1503 performed ITT under System 3 and issued:**

**Rapport # PB-642-12-A154\_rf-130404**

8. Declared performance

| Essential characteristics                    | Performance  | Harmonised technical specification                                       |
|--|--------------|--|
| <b>M<sub>y,k</sub> [Nmm]</b>                 | <b>708</b>   | EN409  |
| <b>f<sub>ax,k</sub> [N/mm<sup>2</sup>]</b>   | <b>6,44</b>  | EN 1382<br><b>ρ<sub>k</sub> = 350 kg/m<sup>3</sup></b>                   |
| <b>f<sub>head,k</sub> [N/mm<sup>2</sup>]</b> | <b>42,26</b> | EN 1383<br><b>ρ<sub>k</sub> = 350 kg/m<sup>3</sup></b>                   |
| <b>f<sub>tens,k</sub> [kN]</b>               | <b>NPD</b>   | EN 1383  |
| <b>Serviceclass = 3</b>                      | <b>A4</b>    | <b>Corrosion protection</b><br><b>A4 RF, SS, RF</b><br><b>EN 10088-1</b> |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

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:

**30-06-2013 Sunds Denmark**



**Ebbe Hornstrup – Operations Director**