



Declaration of Performance (UK)

DOP#: 840245-2

1. Product type: TJEP PZ-16 45mm elgalv m/lim
2. Identification code: 840245
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]	723	
$f_{ax,k}$ [N/mm ²]	10,6	@ $\rho_k = 350 \text{ kg/m}^3$
$f_{head,k}$ [N/mm ²]	28,34	@ $\rho_k = 350 \text{ kg/m}^3$
$R_{ax,k}$	70 N with $\gamma_M = 1,3$	@ $\rho_k = 350 \text{ kg/m}^3$
Service class: 2	> 12 μm	Corrosion protection: Elgalv, EG, Verzinkt EN1995-1-1
Non-alloy steel rods according to EN 16120-(all parts)	f_u : > 900 N/mm ²	
a, c: 1,45 x 1,58 mm	l: 45 mm	t3: 45 mm
As: 2,28 mm ²	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.

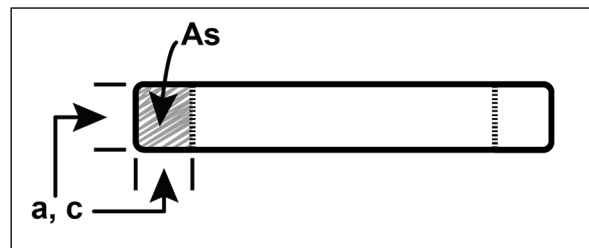
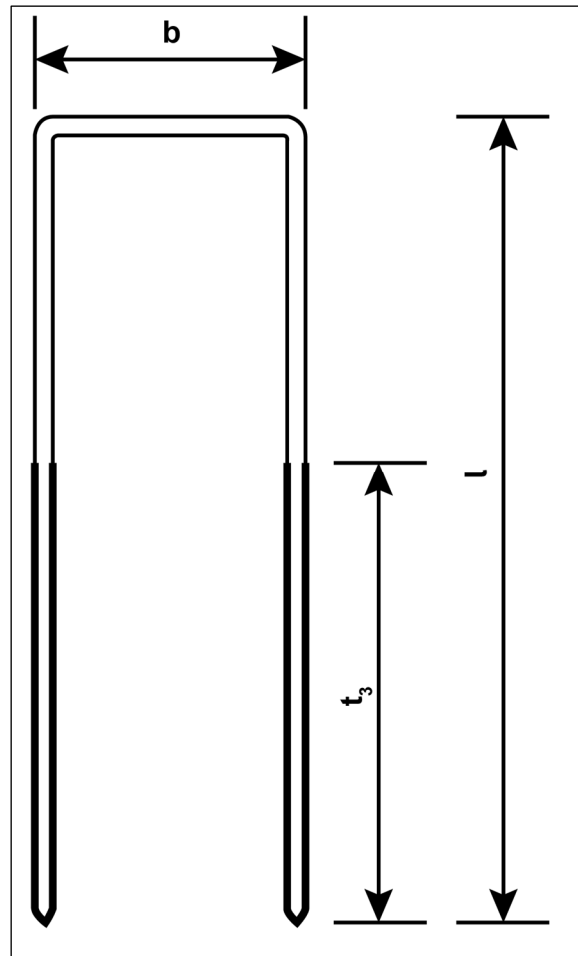
$M_{y,k}$



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



$f_{head,k}$





Declaration of Performance (UK)

DOP#: 840245-1

1. Product type: TJEP PZ-16 45mm elgalv m/lim
2. Identification code: 840245
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-00211-22 according to System 3 and according to EN 14592:2008 + A1:2012. Year: 2022
8. Declared performance (for explanation see point 10)

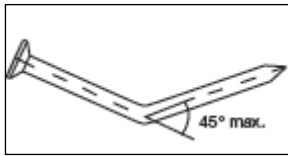
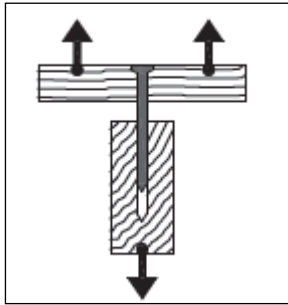
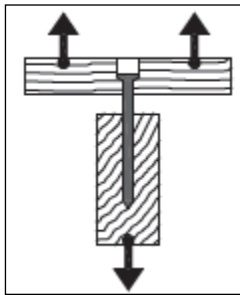
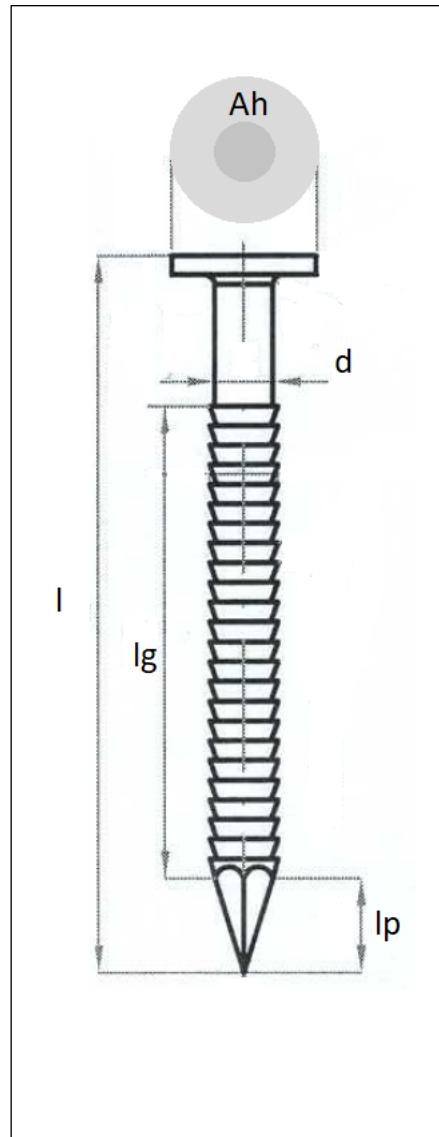
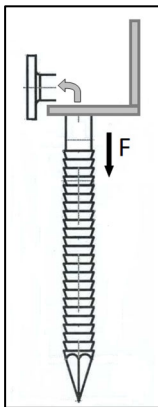
Essential characteristics	Performance	Harmonised technical specification
$M_{y,k}$ [Nmm]	723	EN409
$f_{ax,k}$ [N/mm ²]	Across fibre 10,21 - Along fibre 8,25	EN 1382 $\rho_k = 350 \text{ kg/m}^3$
$f_{head,k}$ [N/mm ²]	0° = 19,96 90° = 28,34	EN 1383 $\rho_k = 350 \text{ kg/m}^3$
$f_{tens,k}$ [kN]	NPD	EN 1383
Service class: 2	min. 12 μ m	Corrosion protection: Elgalv, EG, Verzinkt EN1995-1-1
Non-alloy steel rods according to EN 16120-(all parts)		$f_u > 850 \text{ N/mm}^2$
d: mm	l: 45 mm	Ah: mm ²
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

10.

 M_y, k  $f_{ax, k}$  $f_{head, k}$  $f_{tens, k}$ 

Declaration of performance in accordance with Regulation (EU) No 305/2011 of 9th March 2011.

Declaration of Performance (UK)

DOP # 840245

1. Product type:

Dowel type fastener according to EN 14592

2. Unique identification code of the product-type:

TJEP PZ-16 45mm elgalv m/lim No. 840245

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-603_12-1,51-16g-NK

8. Declared performance

Essential characteristics	Performance	Harmonised technical specification
M_{y,k} [Nmm]	665	EN409
f_{ax,k} [N/mm²]	6,01	EN 1382 ρ_k = 350 kg/m³
f_{head,k} [N/mm²]	36,83	EN 1383 ρ_k = 350 kg/m³
f_{tens,k} [kN]	NPD	EN 1383
Serviceclass = 2	min. 12 μm	Corrosion protection Elgalv, EG, Verzinkt ISO 2081

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