

DECLARATION OF PERFORMANCE

No. 003

1. Unique identification code of product type:

Anchor nail, annular ring, diameter 3.4 up to 6.0 mm

2. Intended use/es:

Used for structural timber products

3. Manufacturer:

Pintos Oy
Pysäköintie 12
27510 Eura
FINLAND

5. System/s of AVCP:

System 3

6 a. Harmonised standard:

EN 14592:2008+A1:2012

Notified body/ies:

Institut Technologique FCBA, identification number 0380,
Initial type Testing Report No 2010-104-2032

VTT Expert Services Oy, identification number 0537,
Initial type Testing Report No. VTT-S-00518-14

VTT Expert Services Oy, identification number 0537,
Initial type Testing Report No. VTT-S-03186-15

Factory production control (FPC) system is maintained under the responsibilities of the manufacturer.

7. Declared performance/s:

Harmonized technical specification:

Dimensions:

EN 14592:2008+A1:2012

Material:

Characteristics tensile strength of wire: $\min \geq 600 \text{ N/mm}^2$ according to EN 14592:2008+A1:2012

Hot dip zinc coated / Electroplate zinc coated: EN 16120

Stainless steel AISI 316 / A4: EN 10088

Coating:

Hot dip zinc coating:

Zinc layer thickness $\geq 49 \mu\text{m}$, Service Class 3 according to EN 1995-1-1

Electroplated zinc coating:

Zinc layer thickness $\geq 12 \mu\text{m}$ or $\geq 25 \mu\text{m}$, Service Class 2 or 3 according to EN 1995-1-1

Essential characteristics:

EN 14592:2008+A1:2012

HOT DIP ZINC COATING, Durability i.e corrosion protection Z350 Service Class 3

Name	Dimensions diameter x length d x l [mm]	Head cross- sectional area A_h [mm ²]	Length of threaded part l_g [mm]	Length of point l_p [mm]	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter ^{a)} $f_{ax,k}$ [N/mm ²]	Characteristic head pull- through parameter ^{a)} $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]
4,0 x 40	3,93 x 40	49,6	27,0	6,6	7110	9,65	NPD ^{b)}	7,1
4,0 x 50	3,93 x 50		38,7	4,9				
4,0 x 60	3,93 x 60		49,3	4,9				

ELECTROPLATED ZINC COATING, Durability i.e corrosion protection Fe/Zn12/A Service Class 2 or Fe/Zn25/A Service Class 3

Name	Dimensions diameter x length d x l [mm]	Head cross- sectional area A _h [mm ²]	Length of threaded part l _g [mm]	Length of point l _p [mm]	Characteristic yield moment M _{y,k} [Nmm]	Characteristic withdrawal parameter ^{a)} f _{ax,k} [N/mm ²]	Characteristic head pull- through parameter ^{a)} f _{head,k} [N/mm ²]	Characteristic tensile capacity f _{tens,k} [kN]
3,4 x 30	3,4 x 30	35,8	16,6	3,8	4806	7,02	NPD ^{b)}	5,6
3,4 x 50	3,4 x 50		36,6					
3,4 x 60	3,4 x 60		47,1					
3,7 x 32	3,7 x 32	45,4	17,8	4,7	6353	6,12		6,6
4,0 x 30	4,0 x 30	50,3	18,0	3,8	7469	5,23		7,0
4,0 x 35	4,0 x 35		21,2					
4,0 x 38	4,0 x 38		24,2					
4,0 x 40	4,0 x 40		26,2					
4,0 x 45	4,0 x 45		31,2					
4,0 x 50	4,0 x 50		37,0					
4,0 x 60	4,0 x 60		46,2					
4,0 x 75	4,0 x 75		61,2					
4,0 x 100	4,0 x 100		86,2					
6,0 x 60	6,0 x 60	102,1	42,7	7,9	28470	5,14		15,8
6,0 x 80	6,0 x 80		59,6					
6,0 x 100	6,0 x 100		79,6					

AISI 316 / A4, Durability i.e corrosion protection Stainless steel Service Class 3

Name	Dimensions diameter x length d x l [mm]	Head cross- sectional area A_h [mm ²]	Length of threaded part l_g [mm]	Length of point l_p [mm]	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter ^{a)} $f_{ax,k}$ [N/mm ²]	Characteristic head pull- through parameter ^{a)} $f_{head,k}$ [N/mm ²]	Characteristic tensile capacity $f_{tens,k}$ [kN]
4,0 x 40	4,0 x 40	46,6	28,3	4,8	7469	7,78	NPD ^{b)}	7,0
4,0 x 50	4,0 x 50		36,2					
4,0 x 60	4,0 x 60		46,2					

a) Parameter was measured on timber with a characteristic density of 350 kg/m³ (C24)

b) No Performance Determined

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) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Eura, 28th August 2015

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Tuomas Pere, Managing Director