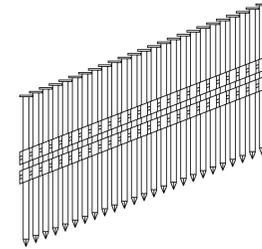


DECLARATION OF PERFORMANCE

Plastic strip nails, Full Round Head Ring Shank – Hot Dip Galvanized



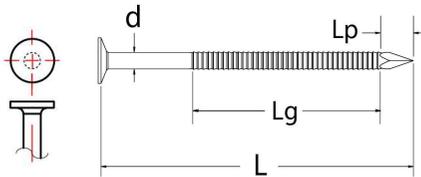
Document No: CE_DOP_NSP_RHD_01
for structural timber products

Strips information:
Plastic strip nails 21°, Full Round head

Finishing information:
Hot Dip Galvanized – Z350 **for Service Class 1, 2, 3 – according to EN 1995 – 1 – 1**

Nail Dimensions:
Diameter: 2,9 and 3,1 mm
Length: from 50 to 100 mm

Properties of the material used:
- non alloy wire rod in accordance with EN 10016-1 to 4
- tensile strength in accordance with EN 10218-1, min. 700 N/mm²



**The manufacturer declares for
Ring shank nail, full round head 21° plastic collated, 2,9 and 3,1 mm:**

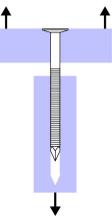
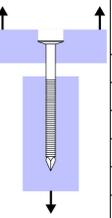
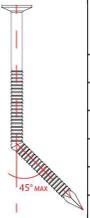
a) That the product has been manufactured in accordance with EN 14592:2008+A1:2012 "Timber Structures – Dowel-type fasteners – Requirements".

b) Initial Type Testing has been performed to identify and confirm essential characteristic values in accordance with table ZA.1 in EN 14592. Those characteristic values are indicated together with the CE mark on product labels and in the table here below.

c) Initial Type Testing was performed by VHT notified body 1503
ITT Report No: 703-09/2,9-HDG
ITT Report No: 703-09/3,1-HDG

d) Assessment and verification of constancy of performance is in compliance with System 3.

e) Any and all of the nails covered by this Declaration of Performance are identical to the nails that the ITTs were originally issued for. Neither the geometrical specification, raw wire or production process have undergone any changes that would affect the relevant properties of the nail according to 14592:2008+A1:2012, e.g. characteristic withdrawal parameter $f_{ax,k}$, head pull-through parameter $f_{head,k}$, characteristic yield moment $M_{y,k}$ or corrosion protection as declared in the first place.

ARTICLE	NOMINAL DIAMETER d (mm)	NOMINAL LENGTH L (mm)	HEAD AREA A _h (mm ²)	POINT LENGTH L _p (mm)	THREADED LENGTH L _g (mm)		Withdrawal Parameter $f_{ax,k}$ (N/mm ²) *		Head Pull Trough Parameter $f_{head,k}$ (N/mm ²) *		Yield Moment $M_{y,k}$ (Nmm)
							EN 1382		EN 1383		EN 1009
NSP29/50RHD	2,9	50	35,8	4	24		8,22		15,97		3000
NSP29/65RHD		65	35,8	4	39		8,22		15,97		3000
NSP29/75XHD		75	35,8	4	33,5		8,22		15,97		3000
NSP31/75XHD	3,1	75	38,5	4,1	33,4		8,12		13,82		3530
NSP31/90XHD		90	38,5	4,1	40,9		8,12		13,82		3530

* tested in wood with a characteristic density of 350 kg/m³

2013 July 1st, Casalecchio di Reno

Marketing Manager, Valentina Ratti

