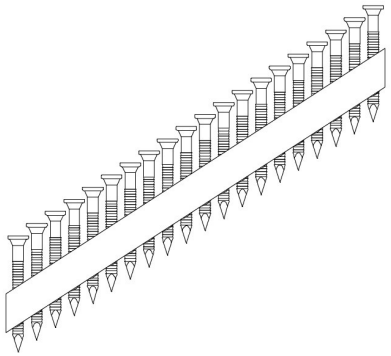
TRADEX Group
*wires in motion*

# DECLARATION OF PERFORMANCE

## Paper Strip nails – Anchoring
## Double Ring Shank – Electro Galvanized 12 µ



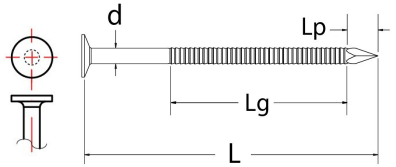
**Document No**: **CE_DOP_NAC_RG3_01**
*for structural timber products*

**Strips information:**
Paper collated strip nails 34°, with pitch

**Finishing information:**
Electrolytic Galvanized – 12 µm **for Service Class 1, 2 – according to EN 1995 – 1 – 1**

**Nail Dimensions:**
Diameter: 4,0 mm
Length: from 35 to 60 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




CE

**The manufacturer declares for**
**Double Ring Anchoring nail, paper collated 4,0 mm:**

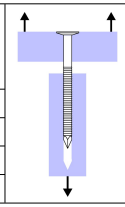
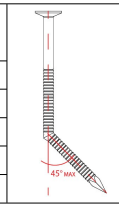
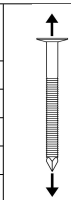
a) That the product has been manufactured in accordance with EN 14592:2008+A1:2012 "Timber Structures – Dowel-type fasteners – Requirements".

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: PB-641-12-anc-4.0eg-130409-La

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 fax,k, head pull-through parameter fhead,k, characteristic yield moment My,k or corrosion protection as declared in the first place.

| ARTICLE | NOMINAL DIAMETER d (mm) | NOMINAL LENGTH L (mm) | HEAD AREA $A_h$ (mm²) | POINT LENGTH $L_p$ (mm) | THREADED LENGTH $L_g$ (mm) |  | Withdrawal Parameter $f_{ax,k}$ (N/mm²) * |  | Yield Moment $M_{y,k}$ (Nmm) |  | Tensile Capacity $f_{tens,k}$ (N) * |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | EN 1382 | | EN 1009 | | EN 1383 |
| NAC40/35RG3 | 4,0 | 35 | 23,8 | 4,0 | 21 | | 11,09 | | 6020 | | 7164 |
| NAC40/40RG3 | | 40 | 23,8 | 4,0 | 26 | | 11,09 | | 6020 | | 7164 |
| NAC40/50RG3 | | 50 | 23,8 | 4,0 | 36 | | 11,09 | | 6020 | | 7164 |
| NAC40/60RG3 | | 60 | 23,8 | 4,0 | 46 | | 11,09 | | 6020 | | 7164 |

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

2013 July 1st, Casalecchio di Reno

Marketing Manager, Valentina Ratti