

Bright Annular Ringshank Nails

Diameter d (mm)	Head Area (mm ²)	Point Length (mm)	Test Report No.	Certificate No.	Characteristic yield moment $M_{y,k}$ (Nmm) In acc. with BS EN 409:2009	Characteristic withdrawal parameter $f_{ax,k}$ (N/mm ²) In acc. with BS EN 1382:2000		Characteristic head pull-through parameter $f_{head,k}$ (N/mm ²)	Characteristic tensile capacity $f_{tens,k}$ (N/mm ²) In acc. with BS EN 1383:2000	Durability (Corrosion Protection) Service Class Note* 5 lots tested In cc. To EN1995-1-1
						Loading across the fibre	Loading along the fibre			
2.00	20.88	2.62	30-10775/1	E-30-20415-16	1.061	9.91	5.01	27.63	1.49	1
2.36	31.51	3.14	30-10775/2	E-30-20415-16	1.853	9.88	4.70	26.33	1.81	1
2.65	32.60	3.61	30-10775/3	E-30-20415-16	2.591	9.58	4.53	27.62	2.78	1
3.35	47.83	5.04	30-10775/5	E-30-20415-16	5.499	7.52	4.60	25.22	5.13	1
3.75	50.97	5.09	30-10775/6	E-30-20415-16	7.966	7.69	4.71	26.43	6.69	1

- Characteristic withdrawal parameter: Density of wood used: = 350 kg/m³. Conditioned at 20°C with humidity at 65%.
- Characteristic head pull-through parameter: Density of wood used: = 380 - 400 kg/m³.

Sherardised Annular Ringshank Nails

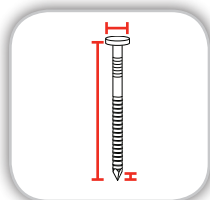
Geometrical Testing			Test Report No.	Certificate No.	Characteristic yield moment $M_{y,k}$ (Nmm) In acc. with BS EN 409:2009	Characteristic withdrawal parameter $f_{ax,k}$ (N/mm ²) In acc. with BS EN 1382:2000		Characteristic head pull-through parameter $f_{head,k}$ (N/mm ²)	Characteristic tensile capacity $f_{tens,k}$ (N/mm ²)	Durability (Corrosion Protection) Service Class Note* 5 lots tested In cc. To EN1995-1-1
Diameter d (mm)	Head Area (mm ²)	Point Length (mm)				Loading across the fibre	Loading along the fibre			
2.65	32.60	3.61	30-10775/3	E-30-20417-16	2.591	9.58	4.53	27.62	2.78	2
3.35	47.83	5.04	30-10775/5	E-30-20417-16	5.499	7.52	4.60	25.22	5.13	2
3.75	50.97	5.09	30-10775/6	E-30-20417-16	7.966	7.69	4.71	26.43	6.69	2
5.00	81.46	6.91	30-10775/8	E-30-20417-16	14.078	14.08	9.08	22.54	10.02	2

- Characteristic withdrawal parameter: Density of wood used: = 350 kg/m³. Conditioned at 20°C with humidity at 65%.
- Characteristic head pull-through parameter: Density of wood used: = 380 - 400 kg/m³.

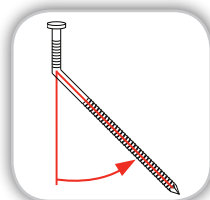
Stainless Steel Annular Ringshank Nails

Geometrical Testing			Test Report No.	Certificate No.	Characteristic yield moment $M_{y,k}$ (Nmm) In acc. with BS EN 409:2009	Characteristic withdrawal parameter $f_{ax,k}$ (N/mm ²) In acc. with BS EN 1382:2000		Characteristic head pull-through parameter $f_{head,k}$ (N/mm ²)	Characteristic tensile capacity $f_{tens,k}$ (N/mm ²)	Durability (Corrosion Protection) Service Class Note* 5 lots tested In cc. To EN1995-1-1
Diameter d (mm)	Head Area (mm ²)	Point Length (mm)				Loading across the fibre	Loading along the fibre			
2.65	27.11	3.65	30-10875/1	E-30-20559-16	2,893	11.17	5.80	24.05	3.95	3
2.65	27.11	3.65	30-10875/1	E-30-20559-16	2,893	11.17	5.80	24.05	3.95	3
3.35	42.15	5.10	30-10875/2	E-30-20560-16	6,137	10.63	5.70	24.30	6.24	3
3.75	46.21	5.31	30-10875/4	E-30-20562-16	7,562	3.16	1.96	25.99	7.29	3
4.50	67.58	7.10	30-10875/3	E-30-20561-16	14,180	8.67	4.83	25.20	10.65	3

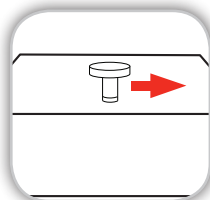
- Characteristic withdrawal parameter: Density of wood used: = 350 kg/m³. Conditioned at 20°C with humidity at 65%.
- Characteristic head pull-through parameter: Density of wood used: = 350 - 400 kg/m³.



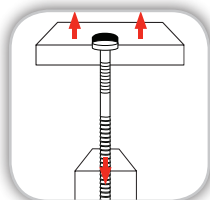
Geometrical



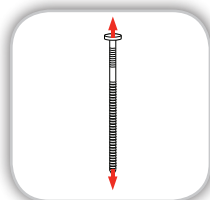
Yield Movement
In acc. with
BS EN 409:2009



Withdrawal Parameter
In acc. with
BS EN 1382:2000



Head Pull-through
In acc. with
BS EN 1383:2000



Tensile Ratio
In acc. with
BS EN 1383:2000



Durability

TIMco Annular Ringshank Nails



DECLARATION OF PERFORMANCE

DOP50 v2

We here by declare the following designated products

TIMco Annular Ringshank Nails Dimensions:

Ø 2.00mm

Ø 3.35mm

Ø 2.36mm

Ø 3.75mm

Ø 2.65mm

Ø 5.00mm

Have been tested by the following independant testing organisation:

- Notified Body 1015
- Strojirensky Zkusebni Ustav, s.p., Czech Republic

And that they have performed initial type testing under system 3, Annex V of the regulation (EU) no. 305/2011 (Construction Products Regulation), with the reference to the harmonised European standard (hEN) BS EN 14592:2008+A1:2012 (Timber structures - Dowel type fasteners - Requirements) for nails intended for the use in "load bearing timber structures" and produced the calculation/test reports and certificates as listed below;

Factory Process Control (FPC) has been established by the factory and independently audited by TUV Rheinland UK in accordance with ISO9001:2008..

This declaration of conformity is valid until there is a significant change in the product and declared characteristics. ie. raw material or change in production process.

Signed by:

Name: *Simon Midwood*

Position: *Managing Director*

Date & Location: *12. 08. 2016*
TIMco House, CW5 6BJ

This declaration is the responsibility of the importer

T.I Midwood & Co. Ltd. Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ

