

Declaration of Performance, DoP 001/2013

1. Product type: Paper and plastic collated nails for nailing tools
2. Identification: Paslode nails
3. Intended use: For load-bearing wooden structures
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
ITW Construction Products
Gl. Banegaardsvej 25
DK-5500 Middelfart
5. Authorised representative: N/A
6. System of assessment: 3
7. Notified body / Test laboratory:

VHT Versuchsanstalt für Holz und Trockenbau
no. 1503
Annastrasse 18
64285 Darmstadt
Germany

STROJIRENSKY ZKUSEBNI USTAV, s.p.
no. 1015
Tovarni 5
466 21 JABLONEC nad Nisou
Czech Republic

performed ITT under system 3 (b) "determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation". See table for references to test reports.
8. For the Paslode PPN nails a European Technical Assessment has been issued:
DS Certificering A/S, ETA-Danmark, Kollegievej 6, DK-2920 Charlottenlund issued ETA-09/0273 performed under system 3 and issued 2010-06-01
9. Declared performance:

Notes to the table:

Characteristic values are calculated or tested according to EN 14592:2008 and A1:2012, except for the Paslode PPN nails which are declared according to ETA-09/0273.
10. The performance of the products is in conformity with the declared performance in point 9.

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:



Jan Ditlevsen
General Manager

Middelfart, June 2013

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Nail diameter [mm]	Shank profile	Nail length [mm]	Head diameter/ head area [mm/mm ²]	Length of nail point [mm]	Length of ring shank [mm] ^{A)}	Corrosion protection	Service class	Material	Steel standard	Declared values according to EN 14592:2008 + A1:2012					Reference to Technical Datasheet no.
										Characteristic values fu,k min. 600 or 700 N/mm ²					
										Withdrawal parameter f _{ax,k} [N/mm ²]	Head pull- through parameter f _{head,k} [N/mm ²]	Yield moment M _{y,k} [Nmm]	Tensile capacity f _{tens,k} [N]	Test report no.	

Nails															
2,2	Ring	50	5,45/3,9/35	3,3	35	Bright	1	AISI 1008	ASTM A510	8,6	20	1300	NPD***	VHT 3.4.2/51	6
2,5	Smooth	60	7,4,9/28	3,7	N/A	Bright	1	AISI 1008	ASTM A510	2,4	8,5	2250	NPD***	ITC****	9
	Ring	50	5,85/26	3,7	38	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	11,5	20	1600	NPD***	3.4.2/55	8
2,8	Smooth	51-80	6,45/32 7,25/5,1/31	4,2	N/A	Bright Galv-Plus HDG* min. 55 µm	1	AISI 1008	ASTM A510	2,4	8,5	3050	NPD***	ITC****	16
							1-2	AISI 1008							17
							1-3	AISI 1008 Si						18	
	Ring	25-90	5,7/25 6,4/32 6,45/32 7,1/39 7,25/5,1/31	4,2	15-69	Bright Galv-Plus HDG* min. 55 µm	1	AISI 1008	ASTM A510	9,2	20,3	2200	NPD***	VHT 3.4.2/52	10
							1-2	AISI 1008	ASTM A510	7,6		2200		11	
							1-3	AISI 1008 Si	ASTM A510	7,4		2100		12	
							1-3	AISI 304	EN 10088	7,6		2600		13, 14	
	1-3	AISI 316	EN 10088	7,6		2600		15							
	Ring	25-32	7,3/41	4,2	14-21	HDG* min. 55 µm A2	1-3	AISI 1008 Si	ASTM A510	8,3	N/A	1950	NPD***	VHT 3.4.2/59	38, 39
							1-3	AISI 304	EN 10088	12,1		2950			
Jagged	55-75	6,8 - 36	4,2	48-67	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	5	20	2400	NPD	VHT 609-12/2,8	051	
3,1	Smooth	70-90	6,5/33 7,5/5,3/33	4,7	N/A	Bright Galv-Plus HDG* min. 55 µm A4	1	AISI 1008	ASTM A510	2,4	8,5	3950	NPD***	ITC****	27
							1-2	AISI 1008						28	
							1-3	AISI 1008 Si					29		
	Ring	63-98	6,5/33 7,5/5,3/33	4,7	50-62	Bright Galv-Plus HDG* min. 55 µm A2 A4	1	AISI 1008	ASTM A510	10,1	20,7	2200	NPD***	VHT 3.4.2/53	19, 25
							1-2	AISI 1008	ASTM A510	10,1		2200		20, 25	
1-3	AISI 1008 Si	ASTM A510	10,3		2100		22, 26								
1-3	AISI 304	EN 10088	8,9		2600		23								
1-3	AISI 316	EN 10088	8,9		2600		24								
Twist	90	7,6/5,3/33	4,7	N/A	Galv-Plus	1-2	AISI 1008	ASTM A510	2,4	8,5	2400	NPD***	ITC****	21	
Jagged	90	7 - 38	4,3	82	HDG* min. 55 µm	1-3	AISI 1008 Si	ASTM A510	5	20	3000	NPD	VHT 609-12/3,1	052	
3,3	Smooth Screw	100 88	7,6/5,45/34	5,0 5,0	N/A 68	Bright HDG* min. 55 µm	1	AISI 1008	ASTM A510	2,4	8,5	4650	NPD***	ITC****	33
							1-3	AISI 1008 Si	ASTM A510	6,6	13,1	2800	NPD***	VHT 445-10/ 3,3	30
3,4	Smooth	90-100	7,5/5,4/34 6,5/33	5,1	N/A	Bright Galv-Plus	1	AISI 1008	ASTM A510	2,4	8,5	5050	NPD***	ITC****	33
							1-2	AISI 1008	ASTM A510	2,4	8,5		NPD***	ITC****	
Ring	100	7,5/5,4/34		68	Bright Galv-Plus	1	AISI 1008	ASTM A510	8,8	14,4	4200	NPD***	VHT 3.4.2/54	31	
1-2															
3,8	Smooth	110-130	7,8/47	5,7	N/A	Bright HDG* min. 55 µm	1	AISI 1008	ASTM A510	2,4	8,5	6750	NPD***		34
							1-3	AISI 1008 Si							
Ring	110-130	7,8/47		67	Bright Electro galv. 12 µm	1	AISI 1008	ASTM A510	8,6 7,9	16,4	6850 6700	NPD***	VHT 3.4.2/56	32	
1-2															
4,2	Smooth	90-150	8,6/58	6,3	N/A	Bright Electro galv. 12 µm HDG* min. 55 µm	1	AISI 1008	ASTM A510	2,4	8,5	8750	NPD***	ITC****	37
							1-2	AISI 1008							
1-3	AISI 1008 Si														
Ring	130-160	8,6/58		66	Bright HDG*	1	AISI 1008	ASTM A510	8,7	15,9	8450	NPD***	VHT 3.4.2/57	36	
1-3															
4,6	Smooth	145-160	9,2/66	6,9	N/A	Bright Galv-Plus HDG* min. 55 µm	1	AISI 1008	ASTM A510	2,4	8,5	11100	NPD***	ITC****	37
1-2															
1-3															

NAIL SCREWS															
2,8	Screw	50-75	7/38	4,2	30-45	Electro galv.+ HT** A2	1-2 1-3	19MnB4 AISI 304	EN 10269 EN 10088	7,8 8,8	18 2000	4000	NPD***	VHT 3.4.2/49	61

PPN nails - ETA 09/0273	Nail diameter	Shank profile	Nail length	Head diameter/ head area	Length of nail point	Length of ring shank	Corrosion protection	Service class	Material	Steel standard	Withdrawal capacity	Shear capacity Thin plates (0,9 ≤ t < 2 mm)	Shear capacity Thick plates (2 ≤ t ≤ 4 mm)	Tensile capacity	Test report no.	
											F _{ax,Rk} [N]	F _{v,Rk} [N]	F _{v,Rk} [N]	f _{tens,k} [N]		
3,4	Twist Ring	35 35	7/38 7,8/47 7,8/47	5,1	23	23	Electro galv. + HT** Electro galv. + HT**	1-2	19MnB4	EN 10269	428		988	9650	PB-453-10-La PB-727-09-La	40
								1-2	19MnB4	EN 10269	485	1235	453-10/4,0 A4	40		
4	Ring	35-60	N/A	6 or 8	25-46	Electro galv. + HT** Galv-Plus HDG* min. 55 µm A4	1-2	19MnB4	EN 10269	35 mm: 573 40 mm: 1027	35 mm: 1467 40 mm: 1877	35 mm: 1595 40 mm: 2040	Electro galv. + HT**: 16150	453-10/3,4 UK	41	
							1-2	AISI 1008	ASTM A510	50 mm: 1498	50 mm: 2244	50 mm: 2439	Galv-Plus: 9200	453-10/3,4 UK	42	
							1-3	AISI 1008 Si	ASTM A510	60 mm: 1926	60 mm: 2596	60 mm: 2822	HDG*: 7450	453-10/3,4 UK	42	
							1-3	AISI 316	EN 10088				A4: 9600	453-10/4,0 A2	42	

Coating type: 2 (to facilitate insertion), generally on nail lengths ≥ 75 mm, consult Technical Datasheets for exact information

A) Length of ring shank: consult Technical Datasheets for exact information

* HDG = Hotdipped galvanized

** HT = Heat treated

*** NPD = No Performance Determined

**** ITC = Initial Type Calculation