

DECLARATION OF PERFORMANCE

DoP W0017

for fischer wood nails FF NP / FF NFP (round cross section nail)

EN

- | | |
|---|--|
| 1. <u>Unique identification code of the product-type:</u> | DoP W0017 |
| 2. <u>Intended use/es:</u> | Dowel- type timber fastener for structural timber products |
| 3. <u>Manufacturer:</u> | fischerwerke GmbH & Co. KG, Klaus-Fischer-Str. 1, 72178 Waldachtal, Germany |
| 4. <u>Authorised representative:</u> | – |
| 5. <u>System/s of AVCP:</u> | 3 |
| 6. <u>Harmonised standard:</u> | EN 14592:2008 +A1:2012 |
| <u>Notified body/ies:</u> | 1020, TZUS-Technical and Test Institute for Construction Prague |

7. Declared performance/s:

Dimensions:		d= 2,8 mm	d= 3,1 mm
Length:	[mm]	51, 63, 75, 90	51, 63, 75, 90
Head type:	[-]	D	D
Length of Non-threaded part:	[mm]	19,0 ± 1,0	19,0 ± 1,0
Head Diameter:	[mm]	6,8 - 7,0	7,0 - 7,2
Head Thickness:	[mm]	1,0 - 1,2	1,3 - 1,5
Point angle:	∠	40	40

Material and corrosion protection: Carbon steel, Bright Basic			d= 2,8 mm	d= 2,8 mm	d= 3,1 mm	d= 3,1 mm	Harmonised standard:
Length:	[mm]		51, 63, 75	51, 63, 75	63, 75, 90	63, 75, 90	EN 14592:2008+A1:2012
Shank type:	[-]		smooth	ring	smooth	ring	
Characteristic yield moment:	$M_{y,k}$	[Nmm]	4307	4321	5432	5729	
Characteristic withdrawal parameter: ¹⁾	$f_{ax,k}$	[N/mm ²]	2,62	9,46	2,94	9,82	
Characteristic head pull-through parameter: ¹⁾	$f_{head,k}$	[N/mm ²]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	$f_{tens,k}$	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1	1	1	1	

¹⁾ Characteristic wood density: 430 kg/m³

Material and corrosion protection: Carbon steel, galvanized (12 µm)			d= 2,8 mm	d= 2,8 mm	d= 3,1 mm	d= 3,1 mm	Harmonised standard:
Length:	[mm]		51, 63, 75	51, 63, 75	63, 75, 90	63, 75, 90	EN 14592:2008+A1:2012
Shank type:	[-]		smooth	ring	smooth	ring	
Characteristic yield moment:	$M_{y,k}$	[Nmm]	4307	4321	5432	5729	
Characteristic withdrawal parameter: ¹⁾	$f_{ax,k}$	[N/mm ²]	2,62	9,14	2,94	9,53	
Characteristic head pull-through parameter: ¹⁾	$f_{head,k}$	[N/mm ²]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	$f_{tens,k}$	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1, 2	1, 2	1, 2	1, 2	

¹⁾ Characteristic wood density: 430 kg/m³

Material and corrosion protection: Carbon steel, hot dip galvanized (43 µm)			d= 2,8 mm	d= 2,8 mm	d= 3,1 mm	d= 3,1 mm	Harmonised standard:
Length:	[mm]		51, 63, 75	51, 63, 75	63, 75, 90	63, 75, 90	EN 14592:2008+A1:2012
Shank type:	[-]		smooth	ring	smooth	ring	
Characteristic yield moment:	$M_{y,k}$	[Nmm]	4307	4321	5432	5729	
Characteristic withdrawal parameter: ¹⁾	$f_{ax,k}$	[N/mm ²]	2,62	8,64	2,94	10,36	
Characteristic head pull-through parameter: ¹⁾	$f_{head,k}$	[N/mm ²]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	$f_{tens,k}$	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	

¹⁾ Characteristic wood density: 430 kg/m³

Material and corrosion protection: stainless steel (304)			d= 2,8 mm	d= 2,8 mm	d= 3,1 mm	d= 3,1 mm	Harmonised standard:
Length:	[mm]		51, 63, 75	51, 63, 75	63, 75, 90	63, 75, 90	EN 14592:2008+A1:2012
Shank type:	[-]		smooth	ring	smooth	ring	
Characteristic yield moment:	$M_{y,k}$	[Nmm]	4190	4225	5423	5506	
Characteristic withdrawal parameter: ¹⁾	$f_{ax,k}$	[N/mm ²]	2,62	9,13	2,94	6,43	
Characteristic head pull-through parameter: ¹⁾	$f_{head,k}$	[N/mm ²]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	$f_{tens,k}$	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	

¹⁾ Characteristic wood density: 430 kg/m³

8. Appropriate Technical Documentation and/or
Specific Technical Documentation:

–

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:



Dr. Oliver Geibig, Managing Director Business Units & Engineering
Tumlingen, 2023-01-10



Jürgen Grün, Managing Director Chemistry & Quality

This DoP has been prepared in different languages. In case there is a dispute on the interpretation the English version shall always prevail.