

## DECLARATION OF PERFORMANCE

### DoP W0017

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

EN

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

### 7. Declared performance/s:

<b>Dimensions:</b>		<b>d= 2,8 mm</b>	<b>d= 3,1 mm</b>
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

<b>Material and corrosion protection: Carbon steel, Bright Basic</b>			<b>d= 2,8 mm</b>	<b>d= 2,8 mm</b>	<b>d= 3,1 mm</b>	<b>d= 3,1 mm</b>	<b>Harmonised standard:</b>
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: <sup>1)</sup>	$f_{ax,k}$	[N/mm <sup>2</sup> ]	2,62	9,46	2,94	9,82	
Characteristic head pull-through parameter: <sup>1)</sup>	$f_{head,k}$	[N/mm <sup>2</sup> ]	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	

<sup>1)</sup> Characteristic wood density: 430 kg/m<sup>3</sup>

<b>Material and corrosion protection: Carbon steel, galvanized (12 µm)</b>			<b>d= 2,8 mm</b>	<b>d= 2,8 mm</b>	<b>d= 3,1 mm</b>	<b>d= 3,1 mm</b>	<b>Harmonised standard:</b>
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: <sup>1)</sup>	$f_{ax,k}$	[N/mm <sup>2</sup> ]	2,62	9,14	2,94	9,53	
Characteristic head pull-through parameter: <sup>1)</sup>	$f_{head,k}$	[N/mm <sup>2</sup> ]	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	

<sup>1)</sup> Characteristic wood density: 430 kg/m<sup>3</sup>

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 <sub>y,k</sub>	[Nmm]	4307	4321	5432	5729	
Characteristic withdrawal parameter: <sup>1)</sup>	f <sub>ax,k</sub>	[N/mm <sup>2</sup> ]	2,62	8,64	2,94	10,36	
Characteristic head pull-through parameter: <sup>1)</sup>	f <sub>head,k</sub>	[N/mm <sup>2</sup> ]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	f <sub>tens,k</sub>	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	

<sup>1)</sup> Characteristic wood density: 430 kg/m<sup>3</sup>

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 <sub>y,k</sub>	[Nmm]	4190	4225	5423	5506	
Characteristic withdrawal parameter: <sup>1)</sup>	f <sub>ax,k</sub>	[N/mm <sup>2</sup> ]	2,62	9,13	2,94	6,43	
Characteristic head pull-through parameter: <sup>1)</sup>	f <sub>head,k</sub>	[N/mm <sup>2</sup> ]	13,12	13,12	14,03	14,03	
Characteristic tensile capacity:	f <sub>tens,k</sub>	[kN]	NPD	NPD	NPD	NPD	
Durability service class EN1995-1-1:	[-]		1, 2, 3	1, 2, 3	1, 2, 3	1, 2, 3	

<sup>1)</sup> Characteristic wood density: 430 kg/m<sup>3</sup>

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.