



DECLARATION OF PERFORMANCE

DoP W0011

for fischer terrace screw A2 / A4, FTS-ST

EN

1. Unique identification code of the product-type: DoP W0011
2. Intended use/es: Dowel- type timber fastener for structural timber products.
3. Manufacturer: fischerwerke GmbH & Co. KG, Klaus-Fischer-Str. 1, 72178 Waldachtal, Germany
4. Authorised representative: -
5. System/s of AVCP: 3
6. Harmonised standard: EN 14592:2008 +A1:2012
ITT report CPR-J-01009-20, CPR-J-01010-20, CPR-J-01011-20, CPR-J-01012-20, CPR-J-01013-20

Notified body/ies: 1015, Strojírenský zkušební ústav, s. p.

7. Declared performance/s:

Mechanical resistance and stability (BWR 1)

- Material and corrosion protection:

Stainless steel A2 / Stainless steel A4

Dimensions:

Annex 1

		d= 4,2 mm (A2)	d= 4,2 mm (A4)	d= 4,5 mm (A2)	d= 4,8 mm (A2)	d= 4,8 mm (A4)
Characteristic yield moment:	[Nmm]	1709	2367	2603	3256	2819
Characteristic withdrawal parameter:						
perpendicular to the grain	[N/mm ²]	17,66	17,18	16,86	16,84	16,82
parallel to the grain	[N/mm ²]	13,65	14,11	14,29	13,69	12,69
Characteristic wood density:	[kg/m ³]	350	350	350	350	350
Characteristic head pullthrough parameter:	[N/mm ²]	23,08	23,5	23,8	22,66	22,72
Characteristic wood density:	[kg/m ³]	350	350	350	350	350
Characteristic tensile capacity:	[kN]	3,97	4,43	4,81	4,96	4,91
Characteristic torsional ratio:	[-]	1,81	2,43	1,84	1,96	3,12
Characteristic wood density:	[kg/m ³]	350	350	350	350	350
Durability service class EN1995-1-1:	[-]	1-3	1-3	1-3	1-3	1-3

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

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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, 2021-02-25

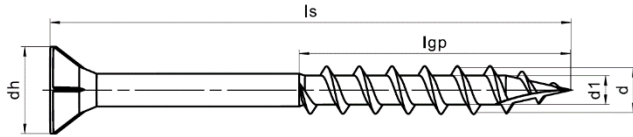
Jürgen Grün, Managing Director Chemistry & Quality

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

The Appendix includes voluntary and complementary information in English language exceeding the (language-neutrally specified) legal requirements.

Annex 1

Terrace Screw - Self-drilling screw - Countersunk head with partial thread



Drive PZ



Drive TX

Figure not to scale

- Stainless Steel (A2 / A4)

Nominal diameter		4,2	4,5	4,8			
d	Outer thread diameter	4,00	4,40	4,70			
d ₁	Inner thread diameter	2,50	2,80	3,00			
d _h	Head diameter	7,25	7,75	8,00			
	Drive TX	20	20	20			
	Drive PZ	2	2	2			
Screw length l _s		Standard thread length l _{gf} = Full thread l _{gp} = Partial thread					
Nominal length		l _{gf}	l _{gp}	l _{gf}	l _{gp}	l _{gf}	l _{gp}
	40		22		22		22
	45		22		22		22
	50		29		29		29
	55		29		29		29
	60		36		36		36
	70		36		36		36
	75		36		36		36
	80		59		59		59
	90		59		59		59
	100		59		59		59
	110		71		71		71
	120		71		71		71
	in steps of 10mm		71		71		71
	150		71		71		71

All sizes in mm