



PRODUCT DATASHEET

PROFILA® Stainless steel screw

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FIXINGGROUP GmbH

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1. Unique identification code of the product type	PROFILA2 Profile self-tapping screw
2. Label for identification of the product	Type description: See product packaging
3. Intended purpose of use	Screws for wood fastening EN 14592:2008 + A1:2012 Direct fastening to an aluminium substructure
4. Manufacturer	FIXINGGROUP GmbH
5. Test method for evaluating and monitoring performance	System 3
6. Harmonized standard - CE declaration	EN 14592:2008 + A1:2012
7. Declared performance	CE declaration of conformity Nr. 002-06-2020

General information	
Material	- Edelstahl rostfrei A2 1.4567 Torsion $f_{tork,k}$ 5,7 Nm Drilling capacity through Aluminium up to 3,5 mm thick Due to different grades of metal the maximum drilling capacity may vary, the screws should be tested out first

Dimensions			
Outer thread diameter $\pm 0,20$ mm	d mm	5,50	
Diameter of the screw head	dk mm	7,5 - 8,0	
Drill point length	lb mm	6,0 - 6,5	
Total length of screw	L L1 mm $\pm 1,0$	35 30	55 30
		40 30	60 30
		45 30	65 30
		50 30	

PROFILA2

PROFILA2 Shear force effects		Hardwood				
Comparison		without distance		with 6,0 mm distance		Reduction of shear force
F Force [kN] S Def. [mm]		F	S	F	S	%
 Decking test sample IPE 20 mm	TEST 1	3,14	2	1,55	2	-51%
	TEST 2	3,05	2	1,51	2	-50%
	TEST 3	3,01	2	1,56	2	-48%
	Mean Value	3,07	2	1,54	2	-50%
	Minimum	3,01	2	1,51	2	-51%
	Maximum	3,14	2	1,56	2	-48%

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All statements are based on our current knowledge and experience - no guarantee can be derived from our statements.

The suitability of the product for a specific application can only be guaranteed by our own tests and trials. Installation is in accordance with the manufacturer's specifications, Tips and tricks, installation instructions, technical rules, guidelines and country-specific regulations. The correct processing and installation of our products is beyond our control and therefore not our responsibility. Errors, modifications of the product range and technical changes are reserved.



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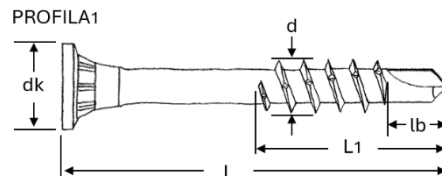
office@fixinggroup.com

1. Unique identification code of the product type	PROFILA1 Profile self-tapping screw
2. Label for identification of the product	Type description: See product packaging
3. Intended purpose of use	Screws for wood fastening EN 14592:2008 + A1:2012 Fastening to a metal substructure
4. Manufacturer	FIXINGGROUP GmbH
5. Test method for evaluating and monitoring performance	System 3 Type testing
6. Harmonized standard	EN 14592:2008 + A1:2012
7. Performance	According to the tables below

General information	
Material	- Hardened stainless steel 1.4006 Torsion $f_{tor,k}$ 10,7 Nm Drilling capacity through steel up to 2,5 mm thick Due to different grades of metal the maximum drilling capacity may vary, the screws should be tested out first

7.1 Performance				Ø 5,5 mm
Testing	Formula symbols	Unit	Specification	Results
Pull-out parameters	$f_{ax,k}$	N/mm ²	charact. Value	10,50
Density	ρ	kg/m ³	Mean value	352,0
head pull-through parameter	$f_{head,k}$	N/mm ²	charact. Value	18,80
Density	ρ	kg/m ³	Mean value	421,0
Tensile strength	$f_{tens,k}$	N	charact. Value	11.443
Torsional strength	$f_{tor,k} / R_{tor,k} \geq 1,5$	Nm	charact. Value	achieved
Yield moment	$M_{ly,k}$	Nm	charact. Value	8,11

Dimensions				
Outer thread diameter +/-0,20 mm	d mm	5,50		
Diameter of the screw head	dk mm	7,5 - 8,0		
Drill point length	lb mm	6,0 - 6,5		
Total length of screw	L L1 mm +/-1,0	35 30	55 30	
		40 30	60 30	
		45 30	65 30	
		50 30		



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