

Declaration of Performance

Document number: (1015-CPR-30-10956/1-6)

Product Identification:	ForgeFast woodscrew <ul style="list-style-type: none">• Head: double flat• Recess: Torx, Pozi• Full/Partial thread• Material: 10B21
Intended Use of the Product:	ForgeFast woodscrews can be used in load-bearing structural timber products
Manufacturer:	Forgefix Ltd Botany Business Park Macclesfield Road Whaley Bridge High Peak SK23 7DQ
System of AVCP:	Scheme type 1A
Notified Body:	Name: Strojirensky zkusebni ustav, s.p. Notified Body Number: 1015
Harmonised Standards:	EN14592:2008+A1:2012

The performance of the mentioned products is in conformity with the declared performance given below:

ForgeFast Woodscrew 3.0mm

Product	Characteristic yield moment My,k [Nmm]	Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
		Loading across the fibre	Loading along the fibre			
	-			-	-	-
Woodscrew 3.0mm	1 401	19,86	13,81	27,75	2,02	2,39
Characteristic density of wood Pk [kg/m ³]	-	35°		35°	-	45°
Durability (corrosion protection)	Cr3+, yellow/zinc plated, nano high corrosion resistance, min. 3 um (Service Class 1 acc. To EN 1995-1-1)					

ForgeFast Woodscrew 3.5mm

Product	Characteristic yield moment My,k [Nmm]	Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
		Loading across the fibre	Loading along the fibre			
	-			-	-	-
Woodscrew 3.5mm	2 246	18,66	13,24	25,61	4,75	2,20
Characteristic density of wood Pk [kg/m ³]	-	35°		35°	-	45°
Durability (corrosion protection)	Cr3+, yellow/zinc plated, nano high corrosion resistance, min. 3 um (Service Class 1 and 2 acc. To EN 1995-1-1)					

ForgeFast Woodscrew 4.0mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]		Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
			Loading across the fibre	Loading along the fibre				
	-	-	-	-	-	-	-	-
Woodscrew 4.0mm	3 490		19,01	13,39	24,85		6,31	3,17
Characteristic density of wood Pk [kg/m ³]	-		350		350		-	450
Durability (corrosion protection)	Cr3+, yellow/zinc plated, nano high corrosion resistance, min. 3 um (Service Class 1 acc. To EN 1995-1-1)							

ForgeFast Woodscrew 4.5mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]		Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	Thread section	Smooth section	Loading across the fibre	Loading along the fibre	Double flat head	Trim head		
							-	-
Woodscrew 4.5mm	5 627	9 235	19,86	14,31	24,47	28,52	8,52	3,07
Characteristic density of wood Pk [kg/m ³]	-		350		350		-	450
Durability (corrosion protection)	Cr3+, yellow/zinc plated, nano high corrosion resistance, min. 3 um (Service Class 1 and 2 acc. To EN 1995-1-1)							

ForgeFast Woodscrew 5.0mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	Thread section	Smooth section	Loading across the fibre	Loading along the fibre	-	-	-
Woodscrew 5.0mm	7 103	12 274	19,32	14,39	2402	10,10	3,06
Characteristic density of wood Pk [kg/m ³]	-		35°		35°	-	45°
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)						

ForgeFast Woodscrew 6.0mm

Product	Characteristic yield moment My,k [Nmm]	Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio	
	-	Loading across the fibre	Loading along the fibre	-	-	-	
Woodscrew 6.0mm	10 575	17,01	12,55	24,59	13,10	4,11	
Characteristic density of wood Pk [kg/m ³]	-		35°		35°	-	45°
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)						

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The performance of the product identified above is in conformity with the set of declared performances. This declaration is issued in accordance with Regulation (EU) No 305/2011. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of:	Forgefix Ltd
Place of issue:	Botany Business Park, Macclesfield Road, Whaley Bridge, SK23 7DQ
Date of issue:	02/01/2019
Name:	Anthony Armit
Position:	Commercial Director
Signature:	
Date:	04/01/2019