

DECLARATION OF PERFORMANCE

Nr. 11822_2182-1

Product group: 11822 Chipboard screws, A2, countersunk head
2182 Chipboard screws, A2, pan head

Intended use: Load bearing timber structures

Company contact address: Ferrometal Oy
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AVCP System: Class 3

ITT tested by: Strojirenský zkušební ústav, s.p. (Notified Body No. 1015)

ITT report no: E-30-20147-13

Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance and stability	See Table 1	EN 14592:2008+A1:2012
Safety in case of fire	NPD	
Hygiene, health and the environment	NPD	
Safety and accessibility in use	NPD	
Protection against noise	NPD	
Energy economy and heat retention	NPD	
Sustainable use of natural resources	NPD	

Table 1:

Product	characteristic yield moment $M_{y,k}$ [Nmm]		characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²]		characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]		characteristic tensile capacity $f_{tens,k}$ [kN]	characteristic torsional ratio
	thread section	smooth section	loading across the fibre	loading along the fibre	csk head	pan head		
Chipboard screws							-	-
ø 3.0 mm	925	-	21,75 ¹⁾	14,45 ¹⁾	-	35,42 ⁴⁾	2,01	1,08
ø 3.5 mm	1 576	-	15,40 ¹⁾	10,34 ¹⁾	-	32,76 ⁴⁾	2,71	1,16
ø 4.0 mm	2 147	-	17,84 ³⁾	11,95 ³⁾	19,44 ²⁾	27,20 ²⁾	3,26	2,15
ø 4.5 mm	2 878	-	24,83 ⁴⁾	18,69 ⁴⁾	19,40 ¹⁾	-	3,73	1,66
ø 5.0 mm	4 284	3 724	18,06 ¹⁾	13,06 ¹⁾	24,52 ³⁾	32,93 ³⁾	4,49	1,29
ø 6.0 mm	7 721	-	19,96 ²⁾	13,77 ²⁾	22,99 ⁵⁾	35,54 ⁵⁾	6,13	1,80
Characteristic density of wood ρ_k [kg/m ³]	-	-	¹⁾ 455, ²⁾ 470, ³⁾ 480, ⁴⁾ 485	-	¹⁾ 390, ²⁾ 410, ³⁾ 445, ⁴⁾ 500, ⁵⁾ 505	-	-	450
Durability (i.e. corrosion protection)	stainless steel A2 (Service Class 3 acc. to EN 1995-1-1)							

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Name and function: Jani Koskinen, Product Manager

Signature: _____

