

## DECLARATION OF PERFORMANCE

Nr. 71885\_71888-1

Product group: 71885/71888 Terrace screws, AISI 410+Ruspert

Intended use: Load bearing timber structures

Company contact address: Ferrometal Oy  
 Karhutie 9  
 01900 Nurmijärvi  
 FINLAND  
 www.ferrometal.fi

AVCP System: Class 3

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

ITT report no: E-30-20143-13

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 <sup>2</sup> ]		characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]	characteristic tensile capacity $f_{tens,k}$ [kN]	characteristic torsional ratio
	thread section	smooth section	loading across the fibre	loading along the fibre			
Fix cutter terrace screw with cutter					-	-	-
ø 4.2 mm	3 885	-	17,78 <sup>2)</sup>	11,57 <sup>2)</sup>	17,71	5,59	3,20
ø 4.8 mm	8 829	11 005	21,02 <sup>1)</sup>	16,22 <sup>1)</sup>	17,03	9,15	2,82
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-		470 <sup>1)</sup> , 480 <sup>2)</sup>		440	-	450
Durability (i.e. corrosion protection)	stainless steel AISI 410 + ruspert brown or silver (Service Class 3 acc. to EN 1995-1-1)						

Place and date of issue: Nurmijärvi 30.6.2013

Name and function: Jani Koskinen, Product Manager

Signature: \_\_\_\_\_

