

EC DECLARATION OF PERFORMANCE

According to

Construction Products Regulation : (EU) No. 305/2011

Ferrometal Oy supplier nr. 1223

Declare under our sole responsibility that the product:

Product: Chipboard screws

Intended use: For timber structure load.

Product identification and the initial-type testing findings: refer to Annex I (Page 2)

To which this declaration relates is in conformity with

System 3 of (EU) No. 305/2011 and EN 14592

and are tested by

STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, s. p. (Notified Body No. 1015)

The reference test report no.:

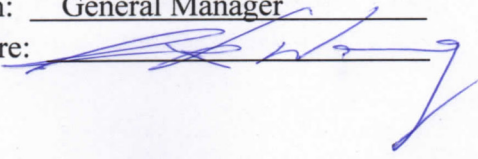
$\phi 2.5\text{mm}$ / No. E-30-20383-12 $\phi 3.0\text{mm}$ / No. E-30-20384-12 $\phi 3.5\text{mm}$ / No. E-30-20385-12
 $\phi 4.0\text{mm}$ / No. E-30-20386-12 $\phi 4.5\text{mm}$ / No. E-30-20387-12 $\phi 5.0\text{mm}$ / No. E-30-20388-12
 $\phi 6.0\text{mm}$ / No. E-30-20389-12

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance and stability	Reference to Annex 1	EN 14592:2008+A1:2012
Safety in case of fire	A1	EN 13501-1:2007+A1:2009
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	



Place and date: Taiwan, 2013.05.17

Position: General Manager

Signature: 

ANNEX I

Product identification and the initial-type testing findings

Table 1-1 Carbon steel:

Product	Length	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
				Loading across the fibre	Loading along the fibre			
Screw ϕ 2.5mm	16-20 mm	791		24,24	18,19	39,55	1,86	3,85
Screw ϕ 3.0 mm	20-40 mm	1 978		24,69	17,50	30,69	3,71	4,34
Screw ϕ 3.5 mm	25-40 mm	2 429		19,87	14,35	24,16	4,27	5,22
Screw ϕ 4.0 mm	25-70 mm	3 630		20,47	15,96	See Table 2	5,18	4,12
Screw ϕ 4.5 mm	30-80 mm	4 792		20,10	13,59		6,05	3,52
Screw ϕ 5.0 mm	30-120 mm	6 647		19,11	15,15		7,74	3,67
Screw ϕ 6.0 mm	36-240 mm	thread part	Smooth part	18,62	15,95		9,87	2,29
		10032	13451					
Material	Carbon Steel							
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							

Table 2:

Characteristic head pull-through parameter $f_{head,k} [N/mm^2]$		
Head Type	Countersunk head	Pan head
Screw ϕ 4.0 mm	26,66	33,62
Screw ϕ 4.5 mm	25,10	33,71
Screw ϕ 5.0 mm	23,03	27,63
Screw ϕ 6.0 mm	25,39	36,89