

EC DECLARATION OF PERFORMANCE

No. 23520005

According to

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

Huang Jing Industrial Co., Ltd.

No.100, Ln. 80, Jiahua Rd., Gangshan Dist., Kaohsiung City 820, Taiwan (R.O.C.).

TEL: +886-7-6282873

FAX: +886-7-6282890

Declare under our sole responsibility that the product:

Product: Screws made by carbon steel

Intended use: Apply to plastered board/metal/drywall/wood

Order number: TE3190

Manufacturing code (model): M# x L -Head-Thread

M#(Diameter): M2.0-M12.0

L(Length): 10mm-300mm

Head: BF,2BF,F,2F,UF,LF,FU,SQ,FP,P,2P,T,R,PF,CH,FRO,OBF,UR,OW,H,
RW,FW,TW,HW,HWF,FT,SR,CR,HS,UW,CE

Thread: MS,CA,2A,SS,SSF,CK,BK,WCK,WBK,DBK,OBK,AB,B,SBK,CS,
CB,W,A,HL,PT,CSF,HLS,HLF,PB,LR,DLR,DCB,HLC,HLN,AK,
DCBS,DHLK,HLBK

Essential characteristics	Performance	Harmonized technical specification
Mechanical resistance and stability	PASS	EN 14566:2008+A1:2009
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	-

Reference Technical construction file and test report no.: HJ-2020001-A1

to which this declaration relates is in conformity with

System 4 of (EU) No. 305/2011 and EN 14566:2008+A1:2009.



Place and date: Taiwan, 2023/05/11

Position: QC Inspector

Signature: zihyu Chien



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

Huang Jing Industrial Co., Ltd.

No.100, Lane 80, Chia Hwa Road, Kang Shan Dist., Kaohsiung City, Taiwan (R.O.C.)

TEL:+886-7-6282873

FAX:+886-7-6283575

Declare under our sole responsibility that the product:

Product: Chipboard screws

Intended use: For timber structure load.

Order No.: TE3190

Product identification and the initial-type 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 14592:2008+A1:2012

and are tested by

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

The reference test report no.:

$\phi 2.5mm$ / No. 30-10169/1

$\phi 3.0mm$ / No. 30-10169/2

$\phi 3.5mm$ / No. 30-10169/3

$\phi 4.0mm$ / No. 30-10169/4

$\phi 4.5mm$ / No. 30-10169/5

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, 2023/05/11

Position: QC Inspector

Signature: zihyu Chen



ANNEX I Product identification and the initial-type testing findings

Table 1:

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 2.5 mm	12-40 mm	1 020	16,04	11,26	See Table 2	2,32	3,93
Screw ϕ 3.0 mm	14-50 mm	1 617	16,17 chipboard thread	16,17 chipboard thread		3,27	4,34
			17,10 wood thread	12,90 wood thread			
Screw ϕ 3.5 mm	16-60 mm	2 893	18,32 chipboard thread	12,89 chipboard thread		4,82	4,03
			18,38 wood thread	13,67 wood thread			
Screw ϕ 4.0 mm	18-100 mm	3 803	17,87 chipboard thread	12,81 chipboard thread		5,58	4,27
			18,67 wood thread	13,89 wood thread			
Screw ϕ 4.5 mm	20-150 mm	5 001	18,15 chipboard thread	13,27 chipboard thread		7,91	3,89
			7,43 wood thread	12,52 wood thread			
Material	Carbon Steel C1022/C10B21						
Corrosion resistance	C4 MAGSHO 1500H+15CY, C3 MAGSHO 1000H+15CY, Coating-Long 500H , Zinc plated, yellow zinc plated (service class 1 acc. to EN 1995-1-1)						

Table 2:

Head Type	Flat	Double Flat	Pan	Wafer
Screw ϕ 2.5 mm	~	23,03	28,45	~
Screw ϕ 3.0 mm	24,23	24,80	28,57	27,39
Screw ϕ 3.5 mm	22,93	23,50	27,24	26,22
Screw ϕ 4.0 mm	22,94	23,51	26,96	25,04
Screw ϕ 4.5 mm	22,49	22,83	25,85	25,00

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Declare under our sole responsibility that the product:

Product: Chipboard screws

Intended use: For timber structure load.

Order No.: TE3190

Product identification and the initial-type 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 14592:2008+A1:2012

and are tested by

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

The reference test report no.:

φ5.0mm / No. 30-10169/6

φ6.0mm / No. 30-10169/7

φ8.0mm / No. 30-10169/9

φ10.0mm / No. 30-10169/10

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, 2023/05/11

Position: QC Inspector

Signature: zihyu Chien



ANNEX I Product identification and the initial-type testing findings

Table 1:

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 5.0 mm	25-200 mm	7 873		17,39 chipboard thread	12,75 chipboard thread	See Table 2	10,09	4,87	
				17,39 wood thread	12,16 wood thread				
Screw ϕ 6.0 mm	30-240 mm	thread section	Smooth section	17,62 chipboard thread	13,95 chipboard thread		14,93	3,90	
		12 881	20 292	18,02 wood thread	12,37 wood thread				
Screw ϕ 8.0 mm	40-400 mm	thread section	Smooth section	15,72	10,71		24,99	3,08	
		29 596	47 095						
Screw ϕ 10.0 mm	80-600 mm	thread section	Smooth section	14,59	10,66		35,53	4,57	
		45 063	70 930						
Material	Carbon Steel C1022/C10B21								
Corrosion resistance	C4 MAGSHO 1500H+15CY, C3 MAGSHO 1000H+15CY, Coating-Long 500H , Zinc plated, yellow zinc plated (service class 1 acc. to EN 1995-1-1)								

Table 2:

Head Type	Flat	Double Flat	Pan	Wafer
Screw ϕ 5.0 mm	21,98	21,27	24,02	24,08
Screw ϕ 6.0 mm	22,80	23,97	27,66	25,76
Screw ϕ 8.0 mm	~	22,05	~	26,34
Screw ϕ 10.0 mm	~	21,64	~	24,80