



Declaration of Performance

VBU PRO

Chipboard screw for wood with countersunk head for professional use zinc plated

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Intended use or uses of the construction product according to EN14592	
Generic type	Dowel-type wood screws
Base material	Timber structures
Material	Carbon steel acc. to SAE1022 cemented (cl.9.8) - zinc plated 5µm acc. to ISO2081
Durability	Service class 1 and 2 acc. to Eurocode 5 EN1995-1-1
Loading	Load bearing based fixing on wood constructions
Fire Reaction	A1 according to EN13501-1
No. J-30-20204-10 issued by	SZU notified body nr.1015
On the basis of	EN14592
Under System (AVCP)	3

Declared performances according to EN14592		PERFORMANCE					
Design method Eurocode 5 - EN1995-1-1:2008 §.8.7							
ESSENTIAL CHARACTERISTICS							
d	Nominal diameter [mm]	3	3,5	4	4,5	5	6
d_h	Head diameter [mm]	5,6	6,8	7,7	8,7	9,5	11,5
d₁	Inner thread diameter [mm]	2,1	2,4	2,6	3,0	3,4	4,0
M_{y,k}	Characteristic yield moment [Nmm]	1723	2295	3002	4344	5978	7892
f_{ax,k}	Characteristic withdrawal parameter ρ_k 420 kg/m ³ [N/mm ²]	7,9	8,8	8,0	6,9	7,6	8,5
f_{head,k}	Characteristic head pull-through parameter ρ_k 590 kg/m ³ [N/mm ²]	27,9	26,0	21,3	22,5	15,8	18,3
f_{tens,k}	Characteristic tensile capacity [kN]	3,3	3,8	5,7	7,1	8,3	15,5
f_{tor,k}	Characteristic torsional strength [Nm]	1,9	2,4	3,4	4,7	6,8	12,2
f_{tor,k}/R_{tor,k}	Characteristic ratio torsional ρ_k 450 kg/m ³ [-]	6,1	3,9	5,1	5,1	5,2	8,1

The above performances apply for the following article numbers:

d ¹⁾ [mm]	l ²⁾ [mm]	l _r ³⁾ [mm]	Cod. white zincpl.	Cod. yellow zincpl.
3	16	full	07105b30016	07105d30016
	20		07105b30020	07105d30020
	25		07105b30025	07105d30025
	30		07105b30030	07105d30030
	35		07105b30035	07105d30035
	40		07105b30040	07105d30040
3,5	16	full	07105b35016	07105d35016
	18		07105b35018	07105d35018
	20		07105b35020	07105d35020
	25		07105b35025	07105d35025
	30		07105b35030	07105d35030
	35		07105b35035	07105d35035
	40		07105b35040	07105d35040
4	16	full	07105b40016	07105d40016
	20		07105b40020	07105d40020
	25		07105b40025	07105d40025
	30		07105b40030	07105d40030
	35	07105b40035	07105d40035	
	40	30	07105b40040	07105d40040
	45		07105b40045	07105d40045
	50		07105b40050	07105d40050
	60		07105b40060	07105d40060
	70		07105b40070	07105d40070
80	07105b40080		07105d40080	
4,5	20	full	07105b45020	07105d45020
	25		07105b45025	07105d45025
	30		07105b45030	07105d45030
	35		07105b45035	07105d45035

d ¹⁾ [mm]	l ²⁾ [mm]	l _r ³⁾ [mm]	Cod. white zincpl.	Cod. yellow zincpl.	
4,5	40	30	07105b45040	07105d45040	
	45		07105b45045	07105d45045	
	50		07105b45050	07105d45050	
	60	40	07105b45060	07105d45060	
	70		07105b45070	07105d45070	
	80		07105b45080	07105d45080	
	20		full	07105b50020	07105d50020
25	07105b50025	07105d50025			
30	07105b50030	07105d50030			
35	07105b50035	07105d50035			
40	30	07105b50040		07105d50040	
45		07105b50045		07105d50045	
50		07105b50050		07105d50050	
5	60	40	07105b50060	07105d50060	
	70		07105b50070	07105d50070	
	80		07105b50080	07105d50080	
	90		07105b50090	07105d50090	
	100	60	07105b50100	07105d50100	
	120		07105b50120	07105d50120	
	6	40	30	07105b60040	07105d60040
		50		07105b60050	07105d60050
		60	40	07105b60060	07105d60060
		70		07105b60070	07105d60070
90		07105b60090		07105d60090	
110		07105b60110		07105d60110	
130		70	07105b60130	07105d60130	
150			07105b60150	07105d60150	

¹⁾ Nominal diameter; ²⁾ Length; ³⁾ Thread length

We inform you that Friulsider is classified in the [EC 1907/2006 Reach Directive](#) as a Downstream-user of substances.
The product supplied does not contain substances classified as SVHC according to the Candidate List in a concentration equal or greater than 0.1% (weight / weight). Article 31 is not applicable to the present product.

The performances of the product identified by the above identification code are in conformity with the declared performance.

This declaration of performance is issued under the sole responsibility of **Friulsider SpA**.

Signed for and behalf of the manufacturer by:

Name and functions	Place and date of issue	Signature
Eng. Vittorio Pilla General Director	San Giovanni al Natisone, 04-11-2013	