

MWVTV001



Issued in accordance with the Construction Products Regulation (CPR) 305/2011/EU.
pgb-Europe nv hereby declares that the products mentioned below comply with the requirements of:

EN 14592 2008+A1 2012 – Timber structures - Dowel-type fasteners

1. *Unique identification code of the product-type:*
MWVTV
2. *Type or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):*
see annex 1 to this document
3. *Intended uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer:*

| | |
|------------------------------|----------------------------------------------------------------------------------------------------|
| Generic type: | Wood screw with full thread and double countersunk head with T-drive recess |
| Material: | Carbon steel ASTM-SAE C1022 (case hardened) |
| Corrosion protection: | Zinc plating Cr3+, minimum 5 µm above class 24 |
| Service class: | Service class 1 according to EN 1995-1-1 |
| Fire resistance: | NPD |
| Reaction to fire: | Classification A1 according to EN13501-1 |
| Intended use: | Mechanical fasteners for the fastening of non-load bearing constructions and substructures in wood |

4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):*
pgb-Europe nv – Gontrode Heirweg 170 – 9090 Melle – Belgium
5. *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):*
NOT RELEVANT
6. *System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*
System 3
7. *In case of the declaration of performance concerning a construction product covered by a harmonized*

standard: EN 14592:2008 +A1-2012
performed by: STROJIRENSKY ZKUSEBNI USTAV, s.p.
Hudcova 56b, 621 00 BRNO
Czech Republic
<http://www.szutest.cz>
under system: 3
and issued: Initial Type Test report n° 30-9673/1-6

DECLARATION OF PERFORMANCE

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8. In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued:

NOT RELEVANT

9. Declared performance:

| Essential characteristics | | Performance | | | | | |
|-------------------------------------------------------------------|-------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| | | Ø 3 | Ø 3,5 | Ø 4 | Ø 4,5 | Ø 5 | Ø 6 |
| Characteristic yield moment $M_{y,k}$ | [Nmm] | 1587 | 2822 | 3559 | 5188 ¹ 6994 ² | 6984 ¹ 10409 ² | 12043 ¹ 17109 ² |
| Characteristic withdrawal parameter $f_{ax,k}$ | [N/mm ²] | 19,53 ³ 13,39 ⁴ | 18,01 ³ 14,61 ⁴ | 17,65 ³ 15,33 ⁴ | 18,61 ³ 14,62 ⁴ | 19,15 ³ 18,10 ⁴ | 17,63 ³ 14,56 ⁴ |
| Wood density | ρ_k [kg/m ³] | 400 | | | | | |
| Characteristic head pull-through parameter $f_{head,k}$ | [N/mm ²] | 35,37 | 30,25 | 23,25 | 19,92 | 23,69 | 25,28 |
| Wood density | ρ_k [kg/m ³] | 425 | 480 | 400 | 415 | 505 | 490 |
| Characteristic tensile capacity $f_{tens,k}$ | [kN] | 3,26 | 3,86 | 5,1 | 7,06 | 6,92 | 10,54 |
| Characteristic torsional ratio (ρ_k 450 kg/m ³) | [-] | 1,7 | 2,04 | 2,04 | 2,22 | 2,16 | 2,36 |

Tested according to Harmonized Technical Specification EN 14592 2008+A1:2012.

Timber for testing was conditioned at the temperature of 20°C and humidity of 65%, with dimensions 200x200x120mm.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

| Place and date of issue | Signature | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Melle, 1/07/2013 |  nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396 | Johannes Heye, product manager  |

¹ Smooth part

² Threaded part

³ Loading across the fiber

⁴ Loading along the fiber

DECLARATION OF PERFORMANCE

Annex 1 : Product overview

Chipboard screw with double countersunk head, T-drive
with full thread, hardened and waxed

Spaanderplaatschroef dubbel verzonken kop, T-drive
met volledige draad, gehard en gewaxt



Vis à panneaux double tête fraisée, empreinte étoile-T
avec filet complet, trempée et lubrifiée

Spanplattenschraube Doppelflachkopf, I-Stern Antrieb
mit Vollgewinde, gehärtet und gleitbeschichtet







| Art. Nr. [mm] | EAN code | D [mm] | L [mm] | T [mm] | dk [mm] |  |  |
|------------------|---------------|-----------|-----------|-----------|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| MWVTVK30016 Z | 5410439338127 | 3,0 | 16 | Tx 10 | 6,0 | 200 | 28800 |
| MWVTVK30020 Z | 5410439338134 | 3,0 | 20 | Tx 10 | 6,0 | 200 | 16000 |
| MWVTVK30025 Z | 5410439338141 | 3,0 | 25 | Tx 10 | 6,0 | 200 | 16000 |
| MWVTVK30030 Z | 5410439339766 | 3,0 | 30 | Tx 10 | 6,0 | 200 | 12000 |
| MWVTVK35016 Z | 5410439338158 | 3,5 | 16 | Tx 15 | 7,0 | 200 | 28800 |
| MWVTVK35020 Z | 5410439338165 | 3,5 | 20 | Tx 15 | 7,0 | 200 | 16000 |
| MWVTVK35025 Z | 5410439338172 | 3,5 | 25 | Tx 15 | 7,0 | 200 | 16000 |
| MWVTVK35030 Z | 5410439339773 | 3,5 | 30 | Tx 15 | 7,0 | 200 | 12000 |
| MWVTVK40016 Z | 5410439338189 | 4,0 | 16 | Tx 20 | 8,0 | 200 | 16000 |
| MWVTVK40020 Z | 5410439338196 | 4,0 | 20 | Tx 20 | 8,0 | 200 | 16000 |
| MWVTVK40025 Z | 5410439338202 | 4,0 | 25 | Tx 20 | 8,0 | 200 | 12000 |
| MWVTVK40030 Z | 5410439338219 | 4,0 | 30 | Tx 20 | 8,0 | 200 | 12000 |
| MWVTVK40035 Z | 5410439339780 | 4,0 | 35 | Tx 20 | 8,0 | 200 | 9600 |
| MWVTVK40040 Z | 5410439338226 | 4,0 | 40 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTVK40045 Z | 5410439338233 | 4,0 | 45 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTVK40050 Z | 5410439338240 | 4,0 | 50 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTVK40060 Z | 5410439338257 | 4,0 | 60 | Tx 20 | 8,0 | 200 | 4800 |
| MWVTVK40070 Z | 5410439338264 | 4,0 | 70 | Tx 20 | 8,0 | 200 | 3200 |
| MWVTVK45020 Z | 5410439338271 | 4,5 | 20 | Tx 20 | 9,0 | 200 | 12000 |
| MWVTVK45025 Z | 5410439338288 | 4,5 | 25 | Tx 20 | 9,0 | 200 | 12000 |
| MWVTVK45030 Z | 5410439338295 | 4,5 | 30 | Tx 20 | 9,0 | 200 | 9600 |
| MWVTVK45035 Z | 5410439339797 | 4,5 | 35 | Tx 20 | 9,0 | 200 | 7200 |
| MWVTVK45040 Z | 5410439338301 | 4,5 | 40 | Tx 20 | 9,0 | 200 | 7200 |
| MWVTVK45045 Z | 5410439339803 | 4,5 | 45 | Tx 20 | 9,0 | 200 | 4800 |
| MWVTVK45050 Z | 5410439338318 | 4,5 | 50 | Tx 20 | 9,0 | 200 | 4800 |
| MWVTVK45060 Z | 5410439338325 | 4,5 | 60 | Tx 20 | 9,0 | 200 | 3200 |
| MWVTVK50016 Z | 5410439339810 | 5,0 | 16 | Tx 25 | 10,0 | 200 | 12000 |
| MWVTVK50020 Z | 5410439339827 | 5,0 | 20 | Tx 25 | 10,0 | 200 | 9600 |
| MWVTVK50025 Z | 5410439338349 | 5,0 | 25 | Tx 25 | 10,0 | 200 | 9600 |

MWVTV

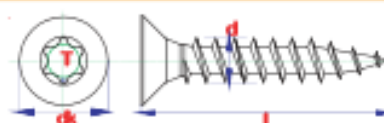
Chipboard screw with double countersunk head, T-drive
with full thread, hardened and waxed



Spaanderplaatschroef dubbel verzonken kop, T-drive
met volledige draad, gehard en gewaxt

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|------------------|---------------|-----------|-----------|-----------|------------|-----|------|
| MWVTVK50030 Z | 5410439338356 | 5,0 | 30 | Tx 25 | 10,0 | 200 | 7200 |
| MWVTVK50035 Z | 5410439338363 | 5,0 | 35 | Tx 25 | 10,0 | 200 | 7200 |
| MWVTVK50040 Z | 5410439338370 | 5,0 | 40 | Tx 25 | 10,0 | 200 | 7200 |
| MWVTVK50045 Z | 5410439338387 | 5,0 | 45 | Tx 25 | 10,0 | 200 | 4800 |
| MWVTVK50050 Z | 5410439338394 | 5,0 | 50 | Tx 25 | 10,0 | 200 | 4800 |
| MWVTVG50060 Z | 5410439338400 | 5,0 | 60 | Tx 25 | 10,0 | 200 | 3200 |
| MWVTVG50070 Z | 5410439338417 | 5,0 | 70 | Tx 25 | 10,0 | 200 | 2400 |
| MWVTVK60040 Z | 5410439338434 | 6,0 | 40 | Tx 30 | 12,0 | 200 | 4800 |
| MWVTVK60050 Z | 5410439338424 | 6,0 | 50 | Tx 30 | 12,0 | 200 | 3200 |