

MWVTG001



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:*
MWVTG
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 partial 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 | <div style="border: 1px solid black; padding: 5px;"> nv pgb-Europe sa Gontrode Heirweg 170 9090 MELLE BE 0425 888 396 </div> | Johannes Heye, product manager  |

¹ Smooth part

² Threaded part

³ Loading across the fiber

⁴ Loading along the fiber

Annex 1 : Product overview




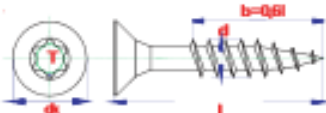
Chipboard screw with double countersunk head, T-drive
with partial thread, hardend and waxed



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

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

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



| Art. Nr. [mm] | EAN code | D [mm] | L [mm] | T [mm] | dk [mm] |  |  |
|------------------|---------------|-----------|-----------|-----------|------------|---|---|
| MWVTGK30025 Z | 5410439339711 | 3,0 | 25 | Tx 10 | 6,0 | 200 | 16000 |
| MWVTGK30030 Z | 5410439338431 | 3,0 | 30 | Tx 10 | 6,0 | 200 | 12000 |
| MWVTGK30035 Z | 5410439339728 | 3,0 | 35 | Tx 10 | 6,0 | 200 | 12000 |
| MWVTGK30040 Z | 5410439338448 | 3,0 | 40 | Tx 10 | 6,0 | 200 | 9600 |
| MWVTGK35025 Z | 5410439339735 | 3,5 | 25 | Tx 15 | 7,0 | 200 | 16000 |
| MWVTGK35030 Z | 5410439338455 | 3,5 | 30 | Tx 15 | 7,0 | 200 | 12000 |
| MWVTGK35035 Z | 5410439338462 | 3,5 | 35 | Tx 15 | 7,0 | 200 | 12000 |
| MWVTGK35040 Z | 5410439338479 | 3,5 | 40 | Tx 15 | 7,0 | 200 | 7200 |
| MWVTGK35045 Z | 5410439338486 | 3,5 | 45 | Tx 15 | 7,0 | 200 | 7200 |
| MWVTGK35050 Z | 5410439338493 | 3,5 | 50 | Tx 15 | 7,0 | 200 | 7200 |
| MWVTGK40030 Z | 5410439242455 | 4,0 | 30 | Tx 20 | 8,0 | 200 | 12000 |
| MWVTGK40035 Z | 5410439338509 | 4,0 | 35 | Tx 20 | 8,0 | 200 | 9600 |
| MWVTGK40040 Z | 5410439242462 | 4,0 | 40 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTGK40045 Z | 5410439338516 | 4,0 | 45 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTGK40050 Z | 5410439242479 | 4,0 | 50 | Tx 20 | 8,0 | 200 | 7200 |
| MWVTGK40060 Z | 5410439338523 | 4,0 | 60 | Tx 20 | 8,0 | 200 | 4800 |
| MWVTGK40070 Z | 5410439339759 | 4,0 | 70 | Tx 20 | 8,0 | 200 | 3200 |
| MWVTGK45030 Z | 5410439338530 | 4,5 | 30 | Tx 20 | 9,0 | 200 | 9600 |
| MWVTGK45035 Z | 5410439338547 | 4,5 | 35 | Tx 20 | 9,0 | 200 | 7200 |
| MWVTGK45040 Z | 5410439338554 | 4,5 | 40 | Tx 20 | 9,0 | 200 | 7200 |
| MWVTGK45045 Z | 5410439338561 | 4,5 | 45 | Tx 20 | 9,0 | 200 | 4800 |
| MWVTGK45050 Z | 5410439338578 | 4,5 | 50 | Tx 20 | 9,0 | 200 | 4800 |
| MWVTGK45060 Z | 5410439338585 | 4,5 | 60 | Tx 20 | 9,0 | 200 | 3200 |
| MWVTGK50040 Z | 5410439338592 | 5,0 | 40 | Tx 25 | 10,0 | 200 | 7200 |
| MWVTGK50045 Z | 5410439338608 | 5,0 | 45 | Tx 25 | 10,0 | 200 | 4800 |
| MWVTGK50050 Z | 5410439338615 | 5,0 | 50 | Tx 25 | 10,0 | 200 | 4800 |
| MWVTGG50060 Z | 5410439338622 | 5,0 | 60 | Tx 25 | 10,0 | 200 | 3200 |
| MWVTGG50070 Z | 5410439338639 | 5,0 | 70 | Tx 25 | 10,0 | 200 | 2400 |
| MWVTGG50080 Z | 5410439338646 | 5,0 | 80 | Tx 25 | 10,0 | 200 | 2400 |

MWVTG

Chipboard screw with double countersunk head, T-drive
with partial thread, hardend and waxed

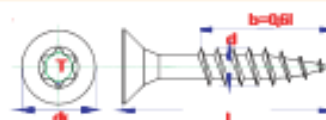


Spaanderplaatschroef dubbel verzonken kop, T-drive
met gedeeltelijke draad, gehard en gewaxt

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



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



| Art. Nr. [mm] | EAN code | D [mm] | L [mm] | T [mm] | dk [mm] | | |
|------------------|---------------|-----------|-----------|-----------|------------|-----|------|
| MWVTGG50090 Z | 5410439338653 | 5,0 | 90 | Tx 25 | 10,0 | 200 | 2400 |
| MWVTGG50100 Z | 5410439339629 | 5,0 | 100 | Tx 25 | 10,0 | 200 | 1600 |
| MWVTGG50120 Z | 5410439428972 | 5,0 | 120 | Tx 25 | 10,0 | 200 | 1600 |
| MWVTGG60060 Z | 5410439338660 | 6,0 | 60 | Tx 30 | 12,0 | 200 | 2400 |
| MWVTGG60070 Z | 5410439338677 | 6,0 | 70 | Tx 30 | 12,0 | 200 | 2400 |
| MWVTGG60080 Z | 5410439338684 | 6,0 | 80 | Tx 30 | 12,0 | 200 | 1600 |
| MWVTGG60090 Z | 5410439338691 | 6,0 | 90 | Tx 30 | 12,0 | 200 | 1600 |
| MWVTGG60100 Z | 5410439338707 | 6,0 | 100 | Tx 30 | 12,0 | 100 | 1600 |
| MWVTGG60120 Z | 5410439338714 | 6,0 | 120 | Tx 30 | 12,0 | 100 | 1200 |
| MWVTGG60140 Z | 5410439338721 | 6,0 | 140 | Tx 30 | 12,0 | 100 | 1200 |
| MWVTGG60160 Z | 5410439339636 | 6,0 | 160 | Tx 30 | 12,0 | 100 | 1200 |
| MWVTGG60180 Z | 5410439339643 | 6,0 | 180 | Tx 30 | 12,0 | 100 | 800 |
| MWVTGG60200 Z | 5410439339650 | 6,0 | 200 | Tx 30 | 12,0 | 100 | 800 |