

VGS PLATE

PAN HEAD HEX SCREW FOR LIFTING



ONE SCREW FOR ALL TRANSPORT APPLICATIONS

The specially developed head shape guarantees full compatibility with all screw-based transport and lifting systems (WASP, WASPL, RAPTOR, RAPTOR MINI and RAPTOR MAXI).

REUSABLE - FOR SUSTAINABLE AND COST-EFFICIENT TRANSPORT

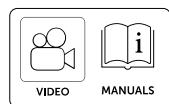
Unlike traditional single-use solutions, this screw is designed for multiple use during transport. The combination of a robust hexagonal head and TORX drive enables screwing and unscrewing without damaging the screw.

VISUAL SAFETY THROUGH COLOUR CODING

Integrated colour coding allows immediate identification of the screw on site and avoids confusion with non-approved standard timber screws.

USE IN STRUCTURAL CONNECTIONS

The screw is also certified for permanent metal-to-timber structural connections in buildings. The head is designed for pairing with plates.



| | | | |
|-----------------------|-------------------|--------------------------------------|-----|
| DIAMETER [mm] | 9 | 11 | 15 |
| LENGTH [mm] | 60 | 60 | 280 |
| SERVICE CLASS | SC1 | SC2 | |
| ATMOSPHERIC CORROSION | C1 | C2 | |
| WOOD CORROSION | T1 | T2 | |
| MATERIAL | Zn ELECTRO PLATED | black electrogalvanized carbon steel | |



METAL-to-TIMBER recommended use:



FIELDS OF USE

- WASP
- RAPTOR
- RAPTOR MINI
- RAPTOR MAXI

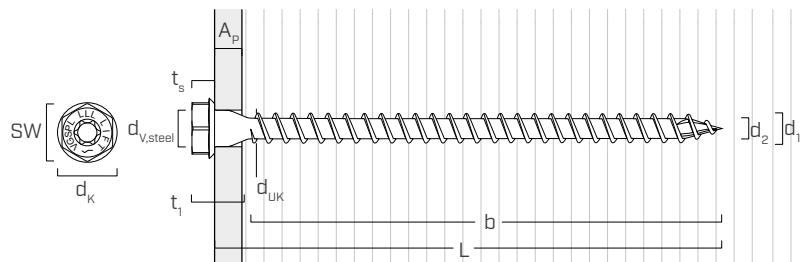
REUSABLE

The reusability of the screw for transporting timber elements has been thoroughly analysed and tested. To ensure safe use, the instructions for use must be read and understood prior to use.

CODES AND DIMENSIONS

| d₁ [mm] [in] | CODE | L [mm] | b [mm] | L [in] | b [in] | pcs |
|-----------------------------------|------------------|-----------|-----------|-----------|-----------|-----|
| 11 0.44 SW17 TX50 | VGSP1160 | 60 | 50 | 2 3/8 | 1 7/8 | 25 |
| | VGSP1180 | 80 | 70 | 3 1/8 | 2 11/16 | 25 |
| | VGSP11100 | 100 | 90 | 4 | 3 7/16 | 25 |
| | VGSP11120 | 120 | 110 | 4 3/4 | 4 1/4 | 25 |
| | VGSP11140 | 140 | 130 | 5 1/2 | 5 1/16 | 25 |
| | VGSP11160 | 160 | 150 | 6 1/4 | 5 13/16 | 25 |
| | VGSP11180 | 180 | 170 | 7 1/8 | 6 5/8 | 25 |
| | VGSP11200 | 200 | 190 | 8 | 7 3/8 | 25 |
| | VGSP11240 | 240 | 230 | 9 1/2 | 9 | 25 |
| | VGSP11280 | 280 | 270 | 11 | 10 9/16 | 25 |

GEOMETRY AND MECHANICAL CHARACTERISTICS



| Nominal diameter | d₁ [mm] | 11 | d₁ [in] | 0.433 |
|---|------------------------------|-----------|------------------------------|--------------|
| Head diameter | d _K [mm] | 20,00 | d _K [in] | 0.787 |
| Internal thread diameter | d ₂ [mm] | 6,60 | d ₂ [in] | 0.260 |
| Head thickness | t ₁ [mm] | 19,00 | t ₁ [in] | 0.748 |
| Wrench size | SW | - | SW | - |
| Hexagonal head thickness | t _s [mm] | 5,75 | t _s [in] | 0.226 |
| Underhead diameter | d _{UK} [mm] | 12,00 | d _{UK} [in] | 0.472 |
| Hole diameter on steel plate | d _{V,steel} [mm] | 13,0 | d _{V,steel} [in] | 1/2 |
| Pre-drilling hole diameter ⁽¹⁾ | d _{V,S} [mm] | 6,0 | d _{V,S} [in] | 1/4 |
| Pre-drilling hole diameter ⁽²⁾ | d _{V,H} [mm] | 7,0 | d _{V,H} [in] | 1/4 |

(1) Pre-drilling valid for softwood.

(2) Pre-drilling valid for hardwood and beech LVL.

For detailed load value tables for different applications, refer to the extended technical data sheet for lifting systems at www.rothoblaas.com

JIG REUSE

- The template, essential for checking and verifying the reusability of lifting screws, enables the identification of screws that can or cannot be reused
- Screws that fail the check (too deformed and/or worn) must be properly disposed of



MANUALS

CODES AND DIMENSIONS

| CODE | description | pcs |
|---------------------|---|-----|
| JIGREVGSPL11 | inspection template for reusable screws | 1 |

