



# PRODUCT DATA

## Self-Drilling Vertical Threaded Rod Hanger T17 - Timber

**Vertical Hangers** are a one-piece, self-drilling fastening system suitable for installation into timber and ideal for the suspension of threaded rod.

| Applications   |  |
|--|--|
| Vertical suspension of threaded rod for:   |  |
| <ul style="list-style-type: none"> <li>• Pipe hanging</li> <li>• Fire protection</li> <li>• Electrical conduit and cable tray</li> </ul> |  |
| Material   |  Carbon Steel                 |
| Finish   |  Zinc Plate (RoHS Compliant) |



| Pull-Out Values |                  |                        |                                  |                           |
|-----------------|------------------|------------------------|----------------------------------|---------------------------|
| Plate           | Timber Embedment | Mean Load <sup>1</sup> | Characteristic Load <sup>2</sup> | Working Load <sup>3</sup> |
|                 | (mm)             | (N)                    | (N)                              | (N)                       |
| F7 Pine         | 35               | 6450                   | 4350                             | 1750                      |
| Hardwood        | 35               | 9800                   | 7850                             | 3150                      |

| Mechanical Properties |                                    |                                  |  |  |
|-----------------------|------------------------------------|----------------------------------|--|--|
| Torsional Strength    | Mean Tensile Strength <sup>1</sup> | Mean Shear Strength <sup>1</sup> | Characteristic Tensile Strength <sup>2</sup> | Characteristic Shear Strength <sup>2</sup> |
| (Nm)                  | (N)                                | (N)                              | (N)  | (N)  |
| 17.6                  | 22600                              | 13550                            | 21000  | 12600                                      |

Note: 1000N = 1kN

<sup>1</sup> Mean Load/Strength: the average ultimate strength of samples tested.

<sup>2</sup> Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

<sup>3</sup> Working Load: the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factors of Safety (FOS = 2.5 for steel, FOS = 2.5 for timber and FOS = 3.0 for concrete) are already included.

All values are obtained under laboratory conditions using Hobson products. Safety factors should be considered for design purposes. Actual pull-out loads may differ depending on certain properties of the base material.



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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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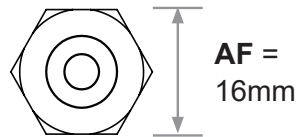
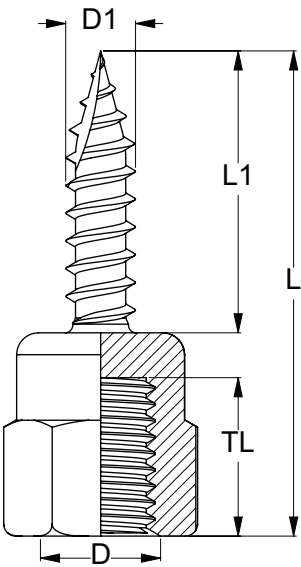




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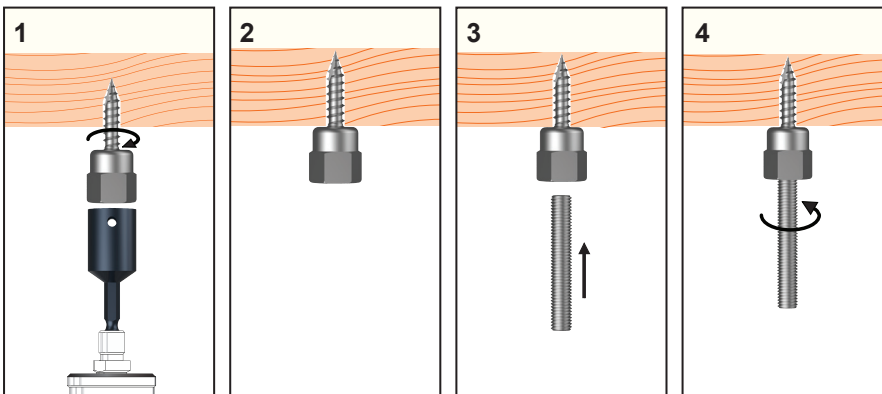
| Part           | QFind         | Rod Size Ø | Major Diameter | Screw Thread | Internal Thread Length | Thread Length | Overall Length | AF   |
|----------------|---------------|------------|----------------|--------------|------------------------|---------------|----------------|------|
|                |               | D          | D1 (mm)        | G-TPI        | TL (mm)                | L1 (mm)       | L (mm)         | (mm) |
| MVWMSZIM100025 | <b>MVW102</b> | M10        | 6.3            | 14g - 10     | 15                     | 25            | 46             | 16   |
| MVWMSZIM100050 | <b>MVW103</b> | M10        | 6.3            | 14g - 10     | 15                     | 50            | 71             | 16   |



**Best installed with cordless impact drivers**

- Self-drilling into wood/timber beams or joists
- Fast and easy installation and attachment

### Installation



1. Use a 16mm socket to drive hanger into timber. Recommended drill speed is 1500 rpm.
2. Drive hanger until the body is flush with the timber surface.
3. Insert M10 threaded rod into hanger.
4. Rotate rod clockwise until fully engaged in the hanger.



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## Self-Drilling Vertical Threaded Rod Hanger T17 - Timber Page 3 of 3

**Socket to suit: Power-TX® MXSVS-SI**

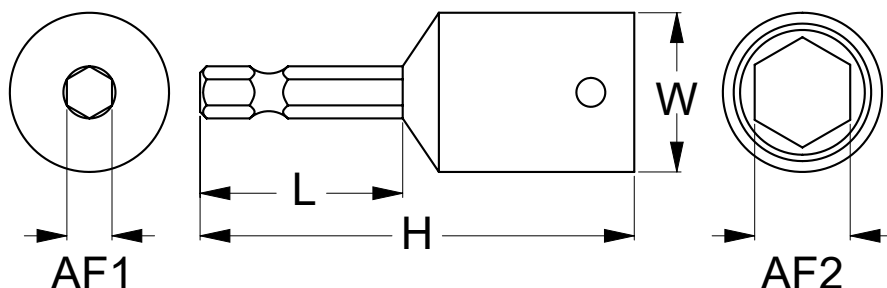


**POWER-TX**

### Features

- Fast and easy installation and attachment
- 1/4" drive
- Socket for easy installation of timber/metal vertical hangers

| Part     | QFind | To Suit Size Ø | Height | Length | AF1  | AF2  | Width  | Colour |
|----------|-------|----------------|--------|--------|------|------|--------|--------|
|          |       | D (mm)         | H (mm) | L (mm) | (in) | (mm) | W (mm) |        |
| MXSVS-SI | Q7199 | M6/M8/M10      | 50     | 25     | 1/4  | 16   | 18     | Black  |



# POWER-TX®

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