

**TIMCO**  
CE Declaration of Performance

# Twin-Threaded Woodscrews



## Key Features

Patented design.

**Double countersunk**  
reduces the likelihood of head shear

**60° Twin-threads**  
to reduce both torque and potential for recess damage

**Parallel Shank**  
to assist drive

**35° sabre point**  
allows penetration without the need for pre-drilling

**Made from high-grade polished solid brass**

## Materials



Certain Hardwood



Softwood

“ The best selling twin-threaded woodscrew.  
Over 7.1 billion sold to date. ”



## Declaration of Performance

### Twin-Threaded Cross-Recess

| Size                                                                                                                                 | Nominal diameter d (mm) | Inner thread diameter d1 | Total Length L (mm)                                                                              | Thread Length lg (mm)                                                                           | Head diameter dh (mm) | Test Report No. | Certificate No. | Characteristic yield moment $M_{y,k}$ (Nmm) | Characteristic withdrawal parameter $f_{ax,k}$ (N/mm <sup>2</sup> ) |                         | Characteristic head pull-through parameter $f_{head,k}$ (N/mm <sup>2</sup> ) | Characteristic tensile capacity $f_{tens,k}$ (kN) | Characteristic torsional ratio |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------|-----------------|-----------------|---------------------------------------------|---------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
|                                                                                                                                      |                         |                          |                                                                                                  |                                                                                                 |                       |                 |                 |                                             | Loading across the fibre                                            | Loading along the fiber |                                                                              |                                                   |                                |
| 4 x 1/2<br>4 x 5/8<br>4 x 3/4<br>4 x 1                                                                                               | 2.75                    | 1.70                     | 12.00<br>16.00<br>20.00<br>25.00                                                                 | 9.03<br>13.03<br>17.03<br>22.03                                                                 | 5.35                  | No.30-9807/1    | E-30-20083-13   | 10403                                       | 20,52                                                               | 9,88                    | 29,33                                                                        | 3,24                                              | 4,31                           |
| 6 x 1/2<br>6 x 5/8<br>6 x 3/4<br>6 x 1<br>6 x 1 1/4<br>6 x 1 1/2<br>6 x 1 3/4<br>6 x 2                                               | 3.5                     | 2.30                     | 12.00<br>16.00<br>20.00<br>25.00<br>30.00<br>40.00<br>45.00<br>50.00                             | 8.46<br>12.46<br>16.46<br>21.46<br>20.00<br>26.67<br>30.00<br>33.33                             |                       | No.30-9807/2    | E-30-20084-13   | 2959                                        | 18,91                                                               | 13,80                   | 18,71                                                                        | 4,53                                              | 4,53                           |
| 7 x 5/8<br>7 x 3/4<br>7 x 1<br>7 x 1 1/4<br>7 x 1 1/2                                                                                | 3.9                     | 2.60                     | 16.00<br>20.00<br>25.00<br>30.00<br>40.00                                                        | 12.16<br>16.16<br>21.16<br>20.00<br>26.67                                                       | 7.5                   | No.30-9807/3    | E-30-20085-13   | 4378                                        | 17,97                                                               | 11,24                   | 17,19                                                                        | 6,92                                              | 4,45                           |
| 8 x 1/2<br>8 x 5/8<br>8 x 3/4<br>8 x 1<br>8 x 1 1/4<br>8 x 1 1/2<br>8 x 1 3/4<br>8 x 2<br>8 x 2 1/4<br>8 x 2 1/2<br>8 x 3            | 4.2                     | 2.70                     | 12.00<br>16.00<br>20.00<br>25.00<br>30.00<br>40.00<br>45.00<br>50.00<br>57.00<br>60.00<br>75.00  | 7.87<br>11.87<br>15.87<br>20.87<br>20.00<br>26.67<br>30.00<br>33.33<br>38.00<br>40.00<br>50.00  | 8.2                   | No.30-9807/4    | E-30-20086-13   | 5576                                        | 19,09                                                               | 10,45                   | 17,25                                                                        | 7,76                                              | 2,75                           |
| 10 x 3/4<br>10 x 1<br>10 x 1 1/4<br>10 x 1 1/2<br>10 x 1 3/4<br>10 x 2<br>10 x 2 1/4<br>10 x 2 1/2<br>10 x 3<br>10 x 3 1/2<br>10 x 4 | 4.8                     | 3.25                     | 20.00<br>25.00<br>30.00<br>40.00<br>45.00<br>50.00<br>57.00<br>60.00<br>75.00<br>90.00<br>100.00 | 15.29<br>20.29<br>20.00<br>26.67<br>30.00<br>33.33<br>38.00<br>40.00<br>50.00<br>60.00<br>66.67 | 9.5                   | No.30-9807/5    | E-30-20087-13   | Unthreaded                                  | 20,62                                                               | 11,97                   | 17,55                                                                        | 8,89                                              | 2,32                           |
| 12 x 1<br>12 x 1 1/4<br>12 x 1 1/2<br>12 x 2<br>12 x 2 1/2<br>12 x 3<br>12 x 3 1/2<br>12 x 4                                         | 5.5                     | 3.70                     | 25.00<br>30.00<br>40.00<br>50.00<br>60.00<br>75.00<br>90.00<br>100.00                            | 19.80<br>20.00<br>26.67<br>33.33<br>40.00<br>50.00<br>60.00<br>66.67                            | 11.0                  | No.30-9807/6    | E-30-20088-13   | Unthreaded                                  | 19,29                                                               | 14,21                   | 19,39                                                                        | 11,52                                             | 2,41                           |

Durability: Service Class 1 acc. To EN1995-1-1)

## Declaration of Performance

### Twin-Threaded Cross-Recess Roundhead

| Size       | Nominal diameter<br>d<br>(mm) | Inner thread diameter<br>d1 | Total Length L<br>(mm) | Thread Length lg<br>(mm) | Head diameter dh<br>(mm) | Test Report No. | Certificate No. | Characteristic yield moment<br>$M_{y,k}$<br>(Nmm) | Characteristic withdrawal parameter<br>$f_{ax,k}$<br>(N/mm <sup>2</sup> ) |                         | Characteristic head pull-through parameter<br>$f_{head,k}$ (N/mm <sup>2</sup> ) | Characteristic tensile capacity<br>$f_{tens,k}$<br>(kN) | Characteristic torsional ratio |
|------------|-------------------------------|-----------------------------|------------------------|--------------------------|--------------------------|-----------------|-----------------|---------------------------------------------------|---------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|
|            |                               |                             |                        |                          |                          |                 |                 |                                                   | Loading across the fibre                                                  | Loading along the fiber |                                                                                 |                                                         |                                |
| 4 x 1/2    | 2.75                          | 1.70                        | 12.00                  | 12.00                    | 5.35                     | No.30-9807/1    | E-30-20083-13   | 10403                                             | 20,52                                                                     | 9,88                    | 29,33                                                                           | 3,24                                                    | 4,31                           |
| 4 x 5/8    |                               |                             | 16.00                  | 16.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 6 x 1/2    |                               |                             | 12.00                  | 12.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 6 x 5/8    |                               |                             | 16.00                  | 16.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 6 x 3/4    |                               |                             | 20.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 6 x 1      | 3.5                           | 2.30                        | 25.00                  | 25.00                    |                          | No.30-9807/2    | E-30-20084-13   | 2959                                              | 18,91                                                                     | 13,80                   | 18,71                                                                           | 4,53                                                    | 4,53                           |
| 6 x 1 1/4  |                               |                             | 30.00                  | 30.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1/2    |                               |                             | 12.00                  | 12.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 5/8    |                               |                             | 16.00                  | 16.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 3/4    |                               |                             | 20.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1      | 4.2                           | 2.70                        | 25.00                  | 25.00                    | 8.2                      | No.30-9807/4    | E-30-20086-13   | 5576                                              | 19,09                                                                     | 10,45                   | 17,25                                                                           | 7,76                                                    | 2,75                           |
| 8 x 1 1/4  |                               |                             | 30.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1 1/2  |                               |                             | 40.00                  | 26.67                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 2      |                               |                             | 50.00                  | 33.33                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 1     |                               |                             | 25.00                  | 25.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 1 1/4 |                               |                             | 30.00                  | 20.00                    |                          | No.30-9807/5    | E-30-20087-13   |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 1 1/2 |                               |                             | 40.00                  | 26.67                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 2     |                               |                             | 50.00                  | 33.33                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 2 1/2 |                               |                             | 60.00                  | 40.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 3     |                               |                             | 75.00                  | 50.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 12 x 1     | 5.5                           | 3.70                        | 25.00                  | 25.00                    | 11.0                     | No.30-9807/6    | E-30-20088-13   | Unthreaded                                        | 19,29                                                                     | 14,21                   | 19,39                                                                           | 11,52                                                   | 2,41                           |
| 12 x 1 1/2 |                               |                             | 40.00                  | 26.67                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 12 x 2     |                               |                             | 50.00                  | 33.33                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |

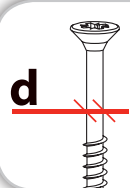
Durability: Service Class 1 acc. To EN1995-1-1)

## Declaration of Performance

### Blackjax™ - Cross-Recess Roundhead

| Size       | Nominal diameter<br>d<br>(mm) | Inner thread diameter<br>d1 | Total Length L<br>(mm) | Thread Length lg<br>(mm) | Head diameter dh<br>(mm) | Test Report No. | Certificate No. | Characteristic yield moment<br>$M_{y,k}$<br>(Nmm) | Characteristic withdrawal parameter<br>$f_{ax,k}$<br>(N/mm <sup>2</sup> ) |                         | Characteristic head pull-through parameter<br>$f_{head,k}$ (N/mm <sup>2</sup> ) | Characteristic tensile capacity<br>$f_{tens,k}$<br>(kN) | Characteristic torsional ratio |
|------------|-------------------------------|-----------------------------|------------------------|--------------------------|--------------------------|-----------------|-----------------|---------------------------------------------------|---------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|
|            |                               |                             |                        |                          |                          |                 |                 |                                                   | Loading across the fibre                                                  | Loading along the fiber |                                                                                 |                                                         |                                |
| 6 x 5/8    | 3.5                           | 2.30                        | 16.00                  | 16.00                    |                          | No.30-9807/2    | E-30-20084-13   | 2959                                              | 18,91                                                                     | 13,80                   | 18,71                                                                           | 4,53                                                    | 4,53                           |
| 6 x 3/4    |                               |                             | 20.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 6 x 1      |                               |                             | 25.00                  | 25.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 5/8    | 4.2                           | 2.70                        | 16.00                  | 16.00                    | 8.2                      | No.30-9807/4    | E-30-20086-13   | 5576                                              | 19,09                                                                     | 10,45                   | 17,25                                                                           | 7,76                                                    | 2,75                           |
| 8 x 3/4    |                               |                             | 20.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1      |                               |                             | 25.00                  | 25.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1 1/4  |                               |                             | 30.00                  | 20.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 1 1/2  |                               |                             | 40.00                  | 26.67                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 8 x 2      | 4.8                           | 3.25                        | 50.00                  | 33.33                    |                          | No.30-9807/5    | E-30-20087-13   | Unthreaded                                        | 20,62                                                                     | 11,97                   | 17,55                                                                           | 8,89                                                    | 2,32                           |
| 10 x 1     |                               |                             | 25.00                  | 25.00                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 1 1/2 |                               |                             | 40.00                  | 26.67                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |
| 10 x 2     |                               |                             | 50.00                  | 33.33                    |                          |                 |                 |                                                   |                                                                           |                         |                                                                                 |                                                         |                                |

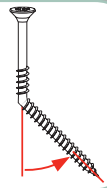
Durability: Service Class 1 acc. To EN1995-1-1)



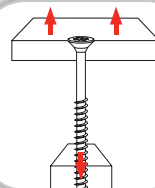
Nominal Diameter



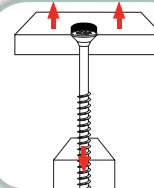
Total Length



Yield Movement



Withdrawal Parameter



Head Pull-through



Torsional Ratio

## TIMco Twin-Threaded Woodscrews



## DECLARATION OF PERFORMANCE

DOP6 v1

We here by declare the following designated products

**TIMco Twin-Threaded Woodscrews**  
**Diameter #4, #6, #7, #8, #10, #12.**

Have been tested by the following independant testing organisation:

- Notified Body 1015

Strojirensky Zkusebni Ustav, s.p., Czech Republic

And that they have performed initial type testing under system 3, Annex V of the regulation (EU) no. 305/2011 (Construction Products Regulation), with the reference to the harmonised European standard (hEN) BS EN 14592:2008+A1:2012 (Timber structures - Dowel type fasteners - Requirements) for nails intended for the use in "load bearing timber structures" and produced the calculation/test reports and certificates as listed below;

**Certificate Number:** E-30-20002-13 to E-30-20013-13

**Test Report Number:** No. 30-9797/1 to No. 30-9797/12.

**Factory Process Control (FPC)** has been established by the factory and independently audited by TUV Rheinland UK in accordance with ISO9001:2008..

This declaration of conformity is valid until there is a significant change in the product and declared characteristics. ie. raw material or change in production process.

Signed by:

Name: *Simon Midwood*

Position: *Managing Director*

Date: *11.06.2013*

**This declaration is the responsibility of the importer**

T.I Midwood & Co. Ltd. Green Lane, Wardle, Nantwich, Cheshire, CW5 6BJ

