

Technical data sheet



SWD Structural Double Threaded Wood Screw

SWD is a construction screw designed to connect two timber members together. The small cap-style head and double thread creates a flexible, hidden assembly with high strength. The differentiated thread pitch creates a clamping effect, reducing the risk of gaps between the timber members.

[Find it in the Solid Wood Application >](#)

Features

Material

Steel - Protec[®]+ coating

Features

- CE marked to EN14592
- Cap-style head
- Double threaded
- Chisel point

Applications

Common Applications

Timber to timber connections



SWD Structural Double Threaded Wood Screw

Technical Data

Product dimensions



| References | Item code | Gunnebo art. nr. | Fastener dimensions [mm] | | | | | | | Box Quantity | Stocked in UK |
|------------|-----------|------------------|--------------------------|-----|----------------|----------------|-----------------|-----------------|------|--------------|---------------|
| | | | d | l | d _h | d ₁ | l _{g1} | l _{g2} | bit | | |
| SWD6.5X65 | 75425 | 76662 | 6.5 | 65 | 8 | 4 | 28 | 21.5 | T-30 | 50 | Yes |
| SWD6.5X90 | 75426 | 76665 | | 90 | 8 | 4 | 40 | 33.5 | T-30 | 50 | Yes |
| SWD6.5X130 | 75427 | 76805 | | 130 | 8 | 4 | 40 | 33.5 | T-30 | 50 | Yes |
| SWD6.5X160 | 75428 | 76653 | | 160 | 8 | 4 | 65 | 58.5 | T-30 | 50 | Yes |
| SWD6.5X190 | 75429 | 76655 | | 190 | 8 | 4 | 80 | 73.5 | T-30 | 50 | Yes |
| SWD6.5X220 | 75430 | 76659 | | 220 | 10 | 4 | 95 | 88.5 | T-30 | 50 | Yes |
| SWD8.0X90 | 75431 | 76700 | 7.8 | 90 | 10 | 5.4 | 40 | 31.5 | T-40 | 50 | Yes |
| SWD8.0X130 | 75432 | 76806 | | 130 | 10 | 5.4 | 40 | 31.5 | T-40 | 50 | Yes |
| SWD8.0X160 | 75433 | 76669 | | 160 | 10 | 5.4 | 65 | 56.5 | T-40 | 50 | Yes |
| SWD8.0X190 | 75434 | 76764 | | 190 | 10 | 5.4 | 80 | 71.5 | T-40 | 50 | Yes |
| SWD8.0X220 | 75435 | 76677 | | 220 | 10 | 5.4 | 95 | 86.5 | T-40 | 50 | Yes |
| SWD8.0X245 | 75436 | 76681 | | 245 | 10 | 5.4 | 107.5 | 99 | T-40 | 50 | Yes |
| SWD8.0X275 | 75437 | 76684 | | 275 | 10 | 5.4 | 107.5 | 99 | T-40 | 50 | Yes |
| SWD8.0X300 | 75438 | 76694 | | 300 | 10 | 5.4 | 135 | 126.5 | T-40 | 50 | Yes |
| SWD8.0X330 | 75439 | 76697 | 330 | 10 | 5.4 | 135 | 126.5 | T-40 | 50 | Yes | |

Product characteristic properties

| References | Characteristic Yield Moment – $M_{y,k}$ [Nm] | Characteristic withdrawal parameter - $f_{ax,k,90^\circ}$ [N/mm ²] | Characteristic head pull-through parameter - $f_{head,k}$ [N/mm ²] | Characteristic tensile capacity - $f_{tens,k}$ [kN] | Characteristic torsional strength - $f_{tor,k}$ [Nm] | Torsional ratio |
|------------|--|--|--|---|--|-----------------|
| SWD6.5X65 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD6.5X90 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD6.5X130 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD6.5X160 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD6.5X190 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD6.5X220 | 12.4 | 13.7 | - | 14.5 | 12.6 | ≥ 1,5 |
| SWD8.0X90 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X130 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X160 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X190 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X220 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X245 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X275 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X300 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |
| SWD8.0X330 | 26.8 | 13.1 | - | 25.3 | 27.7 | ≥ 1,5 |

SWD

Structural Double Threaded Wood Screw

Winchester Road Cardinal Point Tamworth
Staffordshire B78 3HG
tel: +44 1827 255600
fax: +44 1827 255616

Copyright by Simpson Strong-Tie®

Information presented on this document is the exclusive property of Simpson Strong-Tie®
It is valid only when associated with products supplied by Simpson Strong-Tie®

SWD

**Structural Double Threaded
Wood Screw**



www.strongtie.co.uk