

PRODUCT DATASHEET

STRUCTURAL DECKING SCREW



| | |
|---------------------------------|----------------------------------------------------------------|
| Purpose: | Fixing timber to timber where a structural fixing is required. |
| Head style and drive: | Hexagonal, 5/16" hexagonal |
| Thread form: | Coarse thread |
| Shank Material: | Carbon Steel |
| Material Grade: | SAE C1022 |
| Drill Point: | Type 17 |
| Coating: | 1000hr Evoshield® |
| Recommended Drill Speed: | 1500 – 2500RPM |

Structural Decking Screw Physical Characteristics

| SKU | Nominal Dimensions $d_{nom} \times L_{nom}$ (mm) | Effective Thread Length (mm) |
|-----------|--------------------------------------------------------|---------------------------------|
| SDSFHC65 | 6.3 x 65.0 mm | 50 |
| SDSFHC75 | 6.3 x 75.0 mm | 50 |
| SDSFHC90 | 6.3 x 90.0 mm | 50 |
| SDSFHC100 | 6.3 x 100.0 mm | 50 |
| SDSFHC125 | 6.3 x 125.0 mm | 50 |
| SDSFHC150 | 6.3 x 150.0 mm | 50 |
| SDSFHC200 | 6.3 x 200.0 mm | 50 |
| SDSFHC250 | 6.3 x 250.0 mm | 50 |
| SDSFHC300 | 6.3 x 300.0 mm | 100 |
| SDSFHC350 | 6.3 x 350.0 mm | 100 |
| SDSFHC400 | 6.3 x 400.0 mm | 100 |

Technical Data

| Unfactored pull out values | | | |
|----------------------------|-------------|------------------------|---------|
| Diameter | Drill Point | Timber Embedment Depth | |
| | | 15.0 mm | 30.0 mm |
| 6.3 mm | Type 17 | 1,900 N | 2,700 N |

Ultimate Mechanical Performance

| Diameter | Ultimate tensile capacity, $F_{ult,Rk}$ | Ultimate shear capacity, $V_{ult,Rk}$ |
|----------|-----------------------------------------|---------------------------------------|
| 6.3 mm | 17,700 N | 10,400 N |

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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