

TECHNICAL DATA

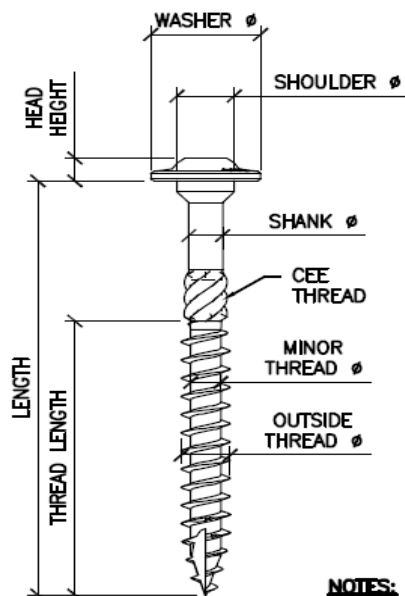
RSSTM







TABLE 5 - CONNECTION GEOMETRY

| CONNECTION GEOMETRY / CRITERIA | DIAMETERS ¹ | RSS, LPS, JTS & PHEINOX 1/4" NOMINAL DIAMETER (inches) | RSS & PHEINOX 5/16" NOMINAL DIAMETER (inches) | RSS & LTF 3/8" NOMINAL DIAMETER (inches) |
|---|------------------------|--|---|--|
| Minimum Edge Distance | | | | |
| Loading Parallel to Grain | 8 | 1 1/2 | 1 5/8 | 1 7/8 |
| Loading Perpendicular to grain, Loaded Edge | 8 | 1 1/2 | 1 5/8 | 1 7/8 |
| Loading Perpendicular to grain, Unloaded Edge | 8 | 1 1/2 | 1 5/8 | 1 7/8 |
| Minimum End Distance | | | | |
| Tension Load Parallel to Grain | 15 | 2 5/8 | 3 | 3 3/8 |
| Compression Load Parallel to Grain | 10 | 1 3/4 | 2 | 2 1/4 |
| Load Perpendicular to Grain | 10 | 1 3/4 | 2 | 2 1/4 |
| Spacing (Pitch) Between Fasteners in a Row | | | | |
| Parallel to Grain | 15 | 2 5/8 | 3 | 3 3/8 |
| Perpendicular to Grain | 10 | 1 3/4 | 2 | 2 1/4 |
| Spacing (Gage) Between Rows of Fasteners | | | | |
| In-Line | 5 | 7/8 | 1 | 1 1/8 |
| Staggered | 2.5 | 1/2 | 1/2 | 5/8 |
| Minimum Penetration into Main Member For Single Shear Connections | 6 ² | 1 1/8 | 1 1/4 | 1 3/8 |

For SI: 1 inch = 25.4 mm

¹ Diameter is the shank diameter as specified in Table 1.

² Reduce lateral load values provided in Table 4 when penetration is less than 10D.


| SCREW TYPE | HEAD STAMP | WASHER ± 0.020 | HEAD HEIGHT ± 0.010 | SHOULDER ± 0.010 | CEE THREAD ² |
|---------------------|---|-------------------|------------------------|---------------------|-------------------------|
| RSS 1/4 (6.0mm) |  | 0.533 | 0.110 | 0.244 | LENGTH ≥ 3/8" |
| RSS 5/16 (7.0mm) |  | 0.620 | 0.157 | 0.301 | LENGTH ≥ 3/8" |
| RSS 3/8 (8.0mm) |  | 0.689 | 0.181 | 0.364 | LENGTH ≥ 3/8" |
| LTF 3/8 (8.0mm) |  | 0.688 | 0.181 | 0.364 | LENGTH ≥ 3/8" |
| LPS 1/4 (6.0mm) |  | 0.535 | 0.090 | 0.244 | NO |
| JTS 1/4 (6.3mm) |  | 0.534 | 0.090 | 0.244 | LENGTH ≥ 5" |

NOTES:

- SEE TABLE 1 FOR OVERALL LENGTH, THREAD LENGTH, SHANK DIAMETER, OUTSIDE THREAD DIAMETER AND MINOR THREAD DIAMETER.
- CEE THREAD ON SCREWS WITH LENGTHS GREATER THAN OR EQUAL TO THOSE INDICATED. NOT USED FOR CALCULATIONS.

FIGURE 1 — FASTENER DIMENSIONS