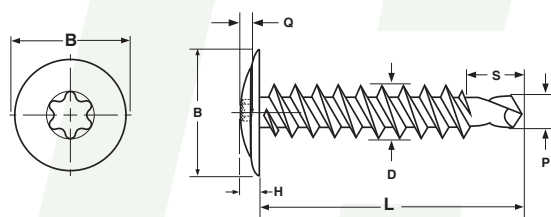
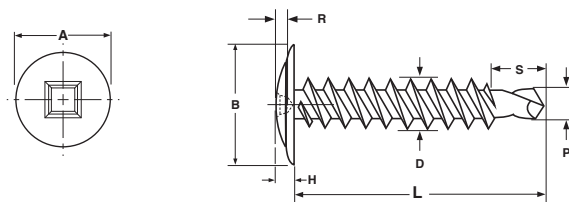


SELF- TAPPING SCREWS

SELF-DRILLING

Modified Truss
Six-Lobe & Square Recess

Six-Lobe Recess



Square Recess

MODIFIED TRUSS HEAD SELF DRILLING SCREWS—SIX-LOBE & SQUARE RECESS

| Nominal Size & Number of Threads per inch | B | | H | | D1 | | D2 | | Q | | Six-Lobe Driver Size | R | | Square Driver Size | S | | Point Size |
|---|-----------------------|------|-------------------|------|----------------|------|----------------|------|-----------------------------|------|----------------------|---------------------------|------|--------------------|--------------|------|------------|
| | Overall Head Diameter | | Total Head Height | | Minor Diameter | | Major Diameter | | Six-Lobe Recess Penetration | | | Square Recess Penetration | | | Point Length | | |
| | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | | Max | Min | | Max | Min | |
| 6-20 | .401 | .385 | .099 | .070 | .104 | .098 | .139 | .131 | | .045 | T-10 | | .030 | #1 | .158 | .117 | #2 |
| 8-18 | .446 | .426 | .098 | .082 | .122 | .116 | .166 | .160 | .052 | .040 | T-15 | .063 | .047 | #2 | .197 | .149 | #2 |
| 10-16 | .441 | .425 | .098 | .079 | .141 | .135 | .189 | .183 | .065 | .050 | T-20 | .063 | .047 | #2 | .228 | .118 | #2 |
| 10-16 | .441 | .425 | .098 | .079 | .141 | .135 | .189 | .183 | .065 | .050 | T-20 | .063 | .047 | #2 | .307 | .256 | #3 |
| 12-14 | .464 | .440 | .124 | .101 | .164 | .156 | .215 | .208 | .071 | .055 | T-25 | .063 | .047 | #2 | .315 | .275 | #3 |
| 1/4-14 | .583 | .551 | .134 | .118 | .192 | .185 | .246 | .239 | .080 | .064 | T-27 | .095 | .078 | #3 | .374 | .334 | #3 |

| Tolerance on Length | Nominal Screw Size | Nominal Screw Length | | |
|---------------------|--------------------|----------------------|---------------------|------------|
| | | Thru 1 in. | Over 1" to 2" incl. | Over 2 in. |
| | #5 thru #10 | +0, -.03" | +0, -.047 | +0, -.06 |
| | #12 and 1/4" | +0, -.03" | +0, -.05" | +0, -.06" |

NOTE: There is no single standard for Modified Truss self-drilling screws. These values are offered as a guide; deviations from these specifications may occur.

| | |
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| Description | A steel fastener with an extra wide head, twinfast thread and self drilling point. The head is an integrally formed round washer with a low rounded top that is approximately 75% the diameter of the washer. The recess may be six-lobed or square. |
| Applications/Advantages | Common usage is to attach wire or metal lathe to metal studs of a thickness between 12 - 20 gauge. The head design offers low clearance and an extra large bearing surface. |
| Material | AISI 1016 - 1022 or equivalent steel. |
| Heat Treatment | Screws shall be quenched in liquid and then tempered by reheating to 625°F minimum. |
| Surface Hardness | Rockwell C 52 - 58 |
| Case Depth | #6 diameter: .002 - .007 #8 thru #12 diameters: .004 - .009 1/4" diameter: .005 - .011 |
| Core Hardness (after tempering) | Rockwell C 32 - 40 |
| Plating | Screws are commonly available in zinc or black phosphate coatings. See Appendix-A for details. |