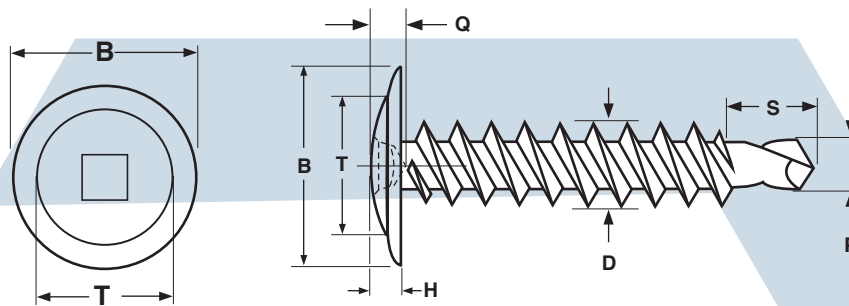


Modified Truss with Square Recess

SELF-DRILLING



MODIFIED TRUSS HEAD SQUARE RECESS SELF DRILLING SCREWS

| MODIFIED TRUSS HEAD SQUARE RECESS SELF DRILLING SCREWS | | | | | | | | | | | | | | | |
|--|-----------------------|------|-------------------|------|--------------------|------|--------------------------|------|----------------|------|--------------------|------|----------------------|------|---------------------------|
| Nominal Size | B | | H | | T | | Q | | D | | S | | P | | Square Recess Driver Size |
| | Overall Head Diameter | | Total Head Height | | Crown Diameter | | Recess Penetration Depth | | Major Diameter | | Drill Point Length | | Drill Point Diameter | | |
| | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | |
| 8 | .446 | .426 | .099 | .082 | .321 | .301 | .063 | .047 | .166 | .160 | .197 | .149 | .138 | .131 | 2 |
| 10 | .446 | .426 | .099 | .082 | .321 | .301 | .063 | .047 | .189 | .182 | .275 | .227 | .157 | .151 | 2 |
| 12 | .446 | .426 | .099 | .082 | .321 | .301 | .063 | .047 | .215 | .209 | .315 | .275 | .189 | .183 | 2 |
| 1/4 | .582 | .550 | .134 | .114 | .421 | .400 | .095 | .078 | .246 | .239 | .354 | .314 | .220 | .214 | 3 |
| | | | | | | | | | | | | | | | |
| Tolerance on Length | | | | | Nominal Screw Size | | Nominal Screw Length | | | | | | | | |
| | | | | | | | Less than 1" | | | | | | Over 1" | | |
| | | | | | | | ± 0.03" | | | | | | ± 0.05" | | |
| | | | | | #8 thru 1/4 | | | | | | | | | | |

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.

| | |
|--|---|
| Description | A steel fastener with an extra wide head, square recess 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. |
| 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 50 - 56 |
| Case Depth | #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. |