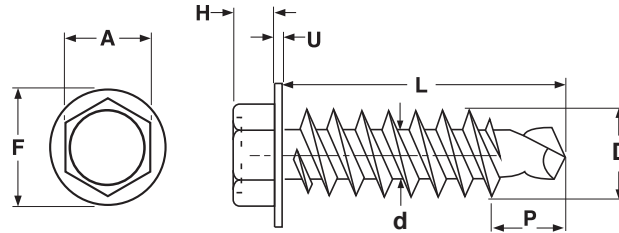


SELF- TAPPING SCREWS

SELF-DRILLING **1/4" Diameter w/#12 Hex Washer Hd, SPACED Thread**



Type BSD

| 1/4" NOMINAL DIAMETER SELF-DRILLING SCREW W/ #12 HEAD, TYPE BSD | | | | | | | | | | | | | | *SAE J78-1998 | |
|---|------------------|----------------|------|----------------|------|----------------------|--------------------|------|-----------------|------|-------------|------|------------------|---------------|------|
| Nominal Size or Basic Screw Diameter | Threads Per Inch | D | | d | | P | A | | F | | H | | U | | |
| | | Major Diameter | | Minor Diameter | | Protrusion Allowance | Width Across Flats | | Washer Diameter | | Head Height | | Washer Thickness | | |
| | | Max | Min | Max | Min | #3 Pt. | Max | Min | Max | Min | Max | Min | Max | Min | |
| 1/4 | .2500 | 14 | .246 | .240 | .192 | .185 | .393 | .312 | .305 | .432 | .398 | .155 | .139 | .039 | .022 |

| | |
|--|--|
| Description | An integrally formed hex washer head screw. The head is approximately 15 - 20% smaller than the standard head for the 1/4" diameter. Thread design is spaced (like a type-BSD drill screw). |
| Applications/ Advantages | Used to attach plywood, soft wood or metal to metal. The undersized head is preferred in applications with limited clearance, or when installers want to minimize the number of tools used on a job. |
| Material | AISI 1016 - 1024 or equivalent steel |
| Heat Treatment | Fasteners are heat treated in a carbonitriding or gas-carburizing system at a minimum temperature of 625°F, or in a cyaniding system (with consent of the buyer) at a minimum temperature of 450°F. |
| Case Hardness | Rockwell C 52 - 58 |
| Case Depth | 1/4" Diameter & larger: .005 - .011 |
| Core Hardness | Rockwell C32 - 40 |
| Minimum Torsional Strength for ZINC-plated screws | 92 lb.-in. |
| Plating | Hex washer self-drilling screws are usually supplied with a clear zinc finish. |

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