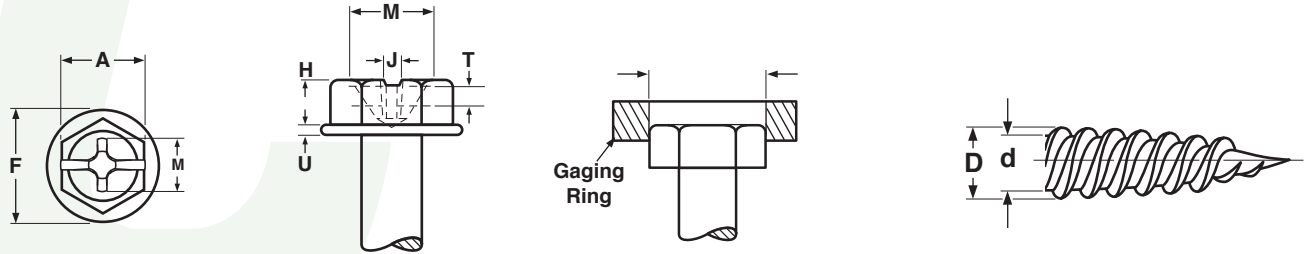


SELF- TAPPING SCREWS

**Combo Phillips/Slotted
Hex Washer**

SELF-PIERCING



| HEX WASHER HEAD COMBO PHILLIPS-SLOTTED SELF-PIERCING SCREWS | | | | | | | | | | | | | | | | | |
|--|--------------------|------|-------------|------|-----------------|------|------------------|------|--------------|------------|------|--------------|----------------|------|----------------|------|----------------------|
| Size | A | | H | | F | | U | | M | J | | T | D | | d | | Phillips Driver Size |
| | Width Across Flats | | Head Height | | Washer Diameter | | Washer Thickness | | Recess Diam. | Slot Width | | Recess Depth | Major Diameter | | Minor Diameter | | |
| | Max | Min | Max | Min | Max | Min | Max | Min | Ref | Max | Min | Min | Max | Min | Max | Min | |
| 10-16 | .250 | .244 | .110 | .096 | .414 | .384 | .031 | .018 | .178 | .060 | .050 | .126 | .194 | .188 | .133 | .126 | 2 |
| Tolerance on Length | | | | | | | | | ±0.05 | | | | | | | | |

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| Description | A hex washer head thread forming tapping screw with a single lead thread rolled to the tip of an extra sharp point, and a second thread spaced 180° apart. The head can accommodate either a slotted or a cross-recessed driver. |
| Applications/ Advantages | May be used in thin metal (less than .050 thick). Eliminates need for pre-drilled or pre-punched holes. Undercut area beneath the head allows greater length of thread engagement. Twin lead threads help to reduce driving torque. |
| Material | AISI 1018 - 1022 or equivalent steel |
| Heat Treatment | Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum. |
| Surface Hardness | Rockwell C45 minimum |
| Case Depth | <i>No. 7 thru 12 diameter:</i> .004 - .009 |
| Core Hardness (after tempering) | Rockwell C28 - 38 |
| Plating | See Appendix-A for plating information. |