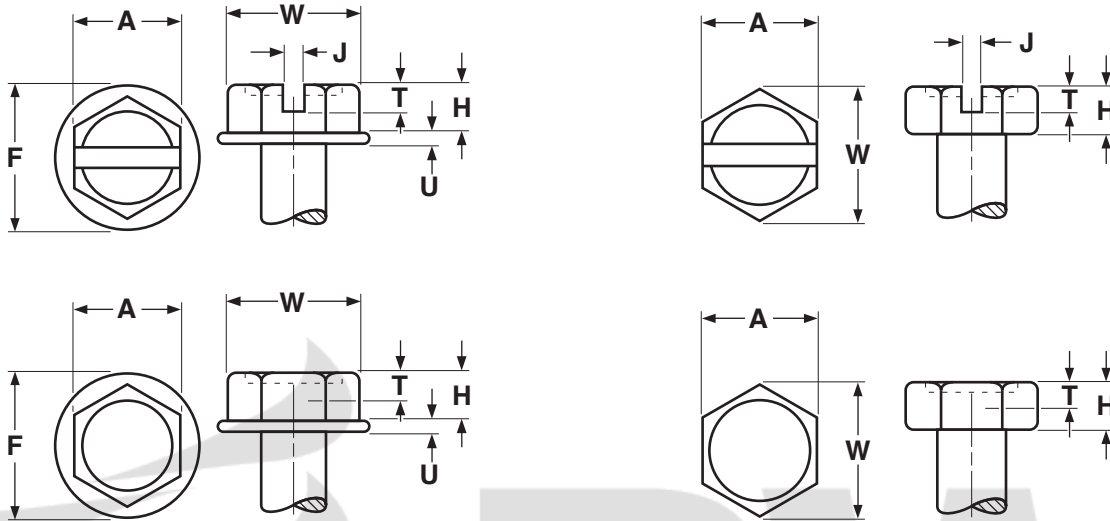


# HEAD DIMENSIONS



## HEX HEADS AND HEX WASHER HEADS FOR MACHINE SCREWS

ASME B18.6.3-  
2013

| Nominal<br>Size   | A                     |      | W                          | H              |      | F                     |      | U                      |      | J             |      | T             |      |
|-------------------|-----------------------|------|----------------------------|----------------|------|-----------------------|------|------------------------|------|---------------|------|---------------|------|
|                   | Width Across<br>Flats |      | Width<br>Across<br>Corners | Height of Head |      | Diameter of<br>Washer |      | Thickness of<br>Washer |      | Width of Slot |      | Depth of Slot |      |
|                   | Max                   | Min  | Min                        | Max            | Min  | Max                   | Min  | Max                    | Min  | Max           | Min  | Max           | Min  |
| 2                 | .125                  | .120 | .134                       | .050           | .040 | .166                  | .154 | .016                   | .010 | -             | -    | -             | -    |
| 4                 | .188                  | .181 | .202                       | .060           | .049 | .243                  | .225 | .019                   | .011 | .039          | .031 | .042          | .025 |
| 5                 | .188                  | .181 | .202                       | .070           | .058 | .260                  | .240 | .025                   | .015 | .043          | .035 | .049          | .030 |
| 6                 | .250                  | .244 | .272                       | .093           | .080 | .328                  | .302 | .025                   | .015 | .048          | .039 | .053          | .033 |
| 8<br>(standard)   | .250                  | .244 | .272                       | .110           | .096 | .348                  | .322 | .031                   | .019 | .054          | .045 | .074          | .052 |
| 8<br>(special)    | .312                  | .305 | .340                       | .120           | .105 | .414                  | .384 | .031                   | .019 | .060          | .050 | .080          | .057 |
| 10                | .312                  | .305 | .340                       | .120           | .105 | .414                  | .384 | .031                   | .019 | .060          | .050 | .080          | .057 |
| 12                | .312                  | .305 | .340                       | .155           | .139 | .432                  | .398 | .039                   | .022 | .067          | .056 | .103          | .077 |
| 1/4<br>(standard) | .375                  | .367 | .409                       | .190           | .172 | .520                  | .480 | .050                   | .030 | .075          | .064 | .111          | .083 |
| 1/4<br>(special)  | .438                  | .428 | .484                       | .188           | .150 | .618                  | .574 | .055                   | .030 | -             | -    | -             | -    |
| 5/16              | .500                  | .489 | .545                       | .230           | .208 | .676                  | .624 | .055                   | .035 | .084          | .072 | .134          | .100 |
| 3/8               | .562                  | .551 | .614                       | .295           | .270 | .780                  | .720 | .063                   | .037 | .094          | .081 | .168          | .131 |
| 1/2               | .750                  | .735 | .820                       | .400           | .367 | 1.040                 | .960 | .085                   | .050 | .106          | .091 | .195          | .155 |