## Machine Screws Head Dimensions



| SQUARE Recess Flat Heads $\quad$ ASME B |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Size or Basic Screw Diameter |  | A |  | H | M | T | - | $\bigcirc$ |  |
|  |  | Head Diameter |  | Head Height | Recess Square | Recess Depth | Recess P Gaging | enetration <br> g Depth | Driver Size |
|  |  | Max | Min | Ref | Ref | Ref | - Max | MMin |  |
| 4 | . 1120 | . 212 | . 191 | . 067 | . 0696 | . 066 | . 038 | . 028 | 0 |
| 6 | .1380 | . 262 | - .238 | . 083 | . 090 | . 096 | . 055 | . 040 | 1 |
| 8 | . 1640 | . 312 | . 285 | . 100 | . 111 | . 115 | . 063 | . 048 | 2 |
| 10 | . 1900 | . 362 | - 333 | . 116 | . 111 | .127 | . 075 | . 060 | 2 |
| 12 | . 2160 | . 412 | . 380 | . 132 | .1315 | . 158 | . 095 | . 080 | 3 |
| $1 / 4=$ | $=.2500$ | I上. $477=$ | - 442 | . 153 | . 1315 | . 158 | . 095 | . 080 | 3 |
| 5/16 | . 3125 | . 597 | . 556 | . 191 | . 1895 | . 194 | . 100 | . 085 | 4 |
| This type of recess has a square center opening, slightly tapered side walls and a conical bottom. © |  |  |  |  |  |  |  |  |  |



| Square Recess Pan Heads |  |  |  |  |  |  |  |  |  | ASME <br> B18.6.3 2010 <br> Driver Size |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Nominal Size or Basic Screw Diameter |  |  |  |  |  | M | T |  |  |  |
|  |  | Head Diameter |  | Head Height |  | Recess Square | Recess Depth | PenetrationGaging Depth |  |  |
|  |  | Max | Min | Max | Min | Ref | Ref | Max | $=$ Min |  |
| 4 | . 1120 | . 219 | . 205 | . 086 | . 076 | . 070 | . 066 | . 038 | . 028 | 0 |
| 6 | . 1380 | . 270 | . 256 | . 103 | . 093 | . 091 | . 106 | . 065 | . 050 | 1 |
| 8 | . 1640 | . 322 | . 306 | . 120 | . 110 | . 112 | . 127 | . 075 | . 060 | 2 |
| 10 | . 1900 | . 373 | . 357 | . 137 | . 126 | . 112 | . 127 | . 075 | . 060 | 2 |
| 12 | . 2160 | . 425 | . 407 | . 153 | . 141 | . 133 | . 158 | . 095 | . 080 | 3 |
| 1/4 | . 2500 | . 492 | . 473 | . 175 | . 162 | . 133 | . 158 | . 095 | . 080 | 3 |
| 5/16 | . 3125 | . 615 | . 594 | . 218 | . 203 | . 191 | . 194 | . 100 | . 085 | 4 |
| $\square$ Com/ This type of recess has a square center opening, slightly tapered side walls and a conical bottom. |  |  |  |  |  |  |  |  |  |  |

