



Slotted

Phillips

| UNDERCUT OVAL HEADS FOR MACHINE SCREWS | | | | | | | | | | | | | | | | | ASME B18.6.3-2002 | |
|--|---------------------------------------|-----------------|-------|-------------|--------------|-------|-------|-----------------|-------|-------|-------|-------------------|-------|-------|----------------------------------|-------|----------------------|--------------|
| Nominal Size | These Lengths or Shorter are Undercut | A | | H | O | | J | | T | | M | R | N | F | | G | Phillips Driver Size | |
| | | Head Dimensions | | | | | | Slot Dimensions | | | | Recess Dimensions | | | Protrusion Above Gaging Diameter | | | Gaging Diam. |
| | | Diameter | | Side Height | Total Height | | Width | | Depth | | Diam. | Depth | Width | Max | Min | | | |
| | | Max | Min | Max | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | Min | | |
| 0 | 1/8 | 0.112 | 0.096 | 0.025 | 0.046 | 0.033 | 0.023 | 0.016 | 0.028 | 0.022 | 0.068 | 0.036 | 0.014 | 0.047 | 0.031 | 0.078 | 0 | |
| 1 | 1/8 | 0.137 | 0.120 | 0.031 | 0.056 | 0.042 | 0.026 | 0.019 | 0.034 | 0.027 | 0.070 | 0.039 | 0.015 | 0.053 | 0.035 | 0.101 | 0 | |
| 2 | 1/8 | 0.162 | 0.144 | 0.036 | 0.065 | 0.050 | 0.031 | 0.023 | 0.040 | 0.033 | 0.106 | 0.060 | 0.018 | 0.058 | 0.039 | 0.124 | 1 | |
| 3 | 1/8 | 0.187 | 0.167 | 0.042 | 0.075 | 0.059 | 0.035 | 0.027 | 0.047 | 0.038 | 0.118 | 0.072 | 0.019 | 0.064 | 0.044 | 0.148 | 1 | |
| 4 | 3/16 | 0.212 | 0.191 | 0.047 | 0.084 | 0.067 | 0.039 | 0.031 | 0.053 | 0.043 | 0.130 | 0.086 | 0.019 | 0.069 | 0.048 | 0.172 | 1 | |
| 5 | 3/16 | 0.237 | 0.215 | 0.053 | 0.094 | 0.076 | 0.043 | 0.035 | 0.059 | 0.048 | 0.152 | 0.073 | 0.028 | 0.075 | 0.053 | 0.196 | 2 | |
| 6 | 3/16 | 0.262 | 0.238 | 0.059 | 0.104 | 0.084 | 0.048 | 0.039 | 0.065 | 0.053 | 0.172 | 0.092 | 0.030 | 0.080 | 0.057 | 0.220 | 2 | |
| 8 | 1/4 | 0.312 | 0.285 | 0.070 | 0.123 | 0.101 | 0.054 | 0.045 | 0.078 | 0.064 | 0.186 | 0.107 | 0.031 | 0.091 | 0.066 | 0.267 | 2 | |
| 10 | 5/16 | 0.362 | 0.333 | 0.081 | 0.142 | 0.118 | 0.060 | 0.050 | 0.090 | 0.074 | 0.202 | 0.125 | 0.033 | 0.102 | 0.075 | 0.313 | 2 | |
| 12 | 3/8 | 0.412 | 0.380 | 0.092 | 0.161 | 0.135 | 0.067 | 0.056 | 0.103 | 0.085 | 0.264 | 0.140 | 0.038 | 0.113 | 0.084 | 0.362 | 3 | |
| 1/4 | 7/16 | 0.477 | 0.442 | 0.107 | 0.186 | 0.158 | 0.075 | 0.064 | 0.119 | 0.098 | 0.284 | 0.160 | 0.040 | 0.129 | 0.095 | 0.424 | 3 | |
| 5/16 | 1/2 | 0.597 | 0.556 | 0.134 | 0.232 | 0.198 | 0.084 | 0.072 | 0.149 | 0.124 | 0.374 | 0.214 | 0.064 | 0.155 | 0.117 | 0.539 | 4 | |
| 3/8 | 9/16 | 0.717 | 0.670 | 0.161 | 0.278 | 0.239 | 0.094 | 0.081 | 0.179 | 0.149 | 0.394 | 0.233 | 0.066 | 0.182 | 0.139 | 0.653 | 4 | |
| 7/16 | 5/8 | 0.760 | 0.715 | 0.156 | 0.279 | 0.239 | 0.094 | 0.081 | 0.184 | 0.154 | 0.404 | 0.245 | 0.068 | 0.195 | 0.150 | 0.690 | 4 | |
| 1/2 | 3/4 | 0.815 | 0.765 | 0.156 | 0.288 | 0.244 | 0.106 | 0.091 | 0.204 | 0.169 | 0.416 | 0.257 | 0.070 | 0.212 | 0.163 | 0.739 | 4 | |