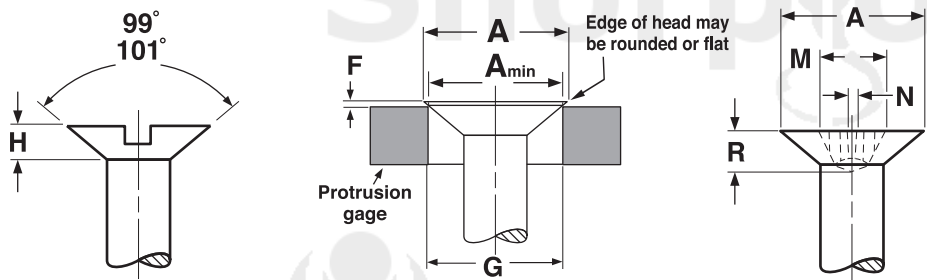


# SELF-TAPPING SCREWS

## HEAD DIMENSIONS Pan, 100° Flat



| PAN HEADS FOR SELF-TAPPING AND DRILLING SCREWS |               |      |                |      |          |      |               |      |               |      |                      |      |       |                      | ASME B18.6.3—2013    |       |
|--|---------------|------|----------------|------|----------|------|---------------|------|---------------|------|----------------------|------|-------|----------------------|----------------------|-------|
| Nominal Size                                   | A             |      | H              |      | H1       |      | J             |      | T             |      | M                    |      | G     | N                    | Phillips Driver Size |       |
|  | Head Diameter |      | Height of Head |      |          |      | Width of Slot |      | Depth of Slot |      | Dimensions of Recess |      |       | Phillips Driver Size |                      |       |
|  |               |      | Slotted        |      | Recessed |      |               |      |               |      | Diameter             |      | Depth |                      |                      | Width |
|  | Max           | Min  | Max            | Min  | Max      | Min  | Max           | Min  | Max           | Min  | Max                  | Min  | Max   |                      |                      | Min   |
| 2  | .167          | .155 | .053           | .045 | .062     | .053 | .031          | .023 | .031          | .022 | .104                 | .091 | .059  | .017                 | 1                    |       |
| 3  | .193          | .180 | .060           | .051 | .071     | .062 | .035          | .027 | .036          | .026 | .112                 | .099 | .068  | .019                 | 1                    |       |
| 4  | .219          | .205 | .068           | .058 | .080     | .070 | .039          | .031 | .040          | .030 | .122                 | .109 | .078  | .019                 | 1                    |       |
| 5  | .245          | .231 | .075           | .065 | .089     | .079 | .043          | .035 | .045          | .034 | .158                 | .145 | .083  | .028                 | 2                    |       |
| 6  | .270          | .256 | .082           | .072 | .097     | .087 | .048          | .039 | .050          | .037 | .166                 | .153 | .091  | .028                 | 2                    |       |
| 7  | .296          | .281 | .089           | .079 | .106     | .096 | .048          | .039 | .054          | .041 | .176                 | .163 | .100  | .029                 | 2                    |       |
| 8  | .322          | .306 | .096           | .085 | .115     | .105 | .054          | .045 | .058          | .045 | .182                 | .169 | .108  | .030                 | 2                    |       |
| 10   | .373          | .357 | .110           | .099 | .133     | .122 | .060          | .050 | .068          | .053 | .199                 | .186 | .124  | .031                 | 2                    |       |
| 12   | .425          | .407 | .125           | .112 | .151     | .139 | .067          | .056 | .077          | .061 | .259                 | .246 | .141  | .034                 | 3                    |       |
| 14   | .476          | .457 | .139           | .126 | .169     | .156 | .075          | .064 | .085          | .068 | .281                 | .268 | .148  | .036                 | 3                    |       |
| 1/4  | .492          | .473 | .144           | .130 | .175     | .162 | .075          | .064 | .087          | .070 | .281                 | .268 | .161  | .036                 | 3                    |       |
| 5/16   | .615          | .594 | .178           | .162 | .218     | .203 | .084          | .072 | .106          | .085 | .350                 | .337 | .193  | .059                 | 4                    |       |
| 3/8  | .740          | .716 | .212           | .195 | .261     | .244 | .094          | .081 | .124          | .100 | .389                 | .376 | .233  | .065                 | 4                    |       |



| FLAT HEAD 100° FOR SELF-TAPPING SCREWS |                 |      |                 |      |       |      |                   |      |       |                                  |       |                 |      |      | ASME B18.6.3—2013    |
|--|-----------------|------|-----------------|------|-------|------|-------------------|------|-------|----------------------------------|-------|-----------------|------|------|----------------------|
| Nominal Size                           | A               |      | H               |      | J     |      | T                 |      | M     | R                                | N     | F               |      | G    | Phillips Driver Size |
|  | Head Dimensions |      | Slot Dimensions |      |       |      | Recess Dimensions |      |       | Protrusion Above Gaging Diameter |       | Gaging Diameter |      |      |                      |
|  | Diameter        |      | Height          |      | Width |      | Depth             |      | Diam. | Depth                            | Width |                 | Max  | Min  |                      |
|  | Max             | Min  | Max             | Min  | Max   | Min  | Max               | Min  | Ref   | Ref                              | Ref   |                 | Max  | Min  |                      |
| 4                                      | .212            | .188 | .049            | .039 | .039  | .031 | .024              | .017 | .110  | .070                             | .018  | .025            | .016 | .167 | 1                    |
| 6                                      | .262            | .235 | .060            | .049 | .048  | .039 | .030              | .022 | .148  | .074                             | .027  | .028            | .017 | .214 | 2                    |
| 8                                      | .312            | .282 | .072            | .060 | .054  | .045 | .036              | .027 | .162  | .090                             | .028  | .031            | .019 | .261 | 2                    |
| 10                                     | .362            | .329 | .083            | .070 | .060  | .050 | .042              | .031 | .178  | .104                             | .030  | .034            | .021 | .307 | 2                    |
| 1/4                                    | .477            | .437 | .110            | .094 | .075  | .064 | .055              | .042 | .240  | .124                             | .033  | .040            | .025 | .415 | 3                    |