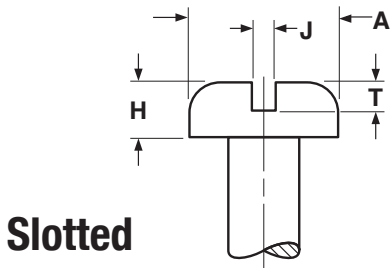
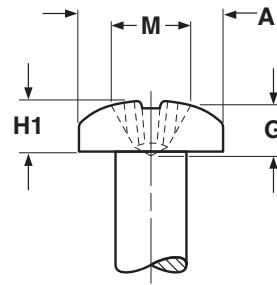


# HEAD DIMENSIONS

Pan  
Combo Pan

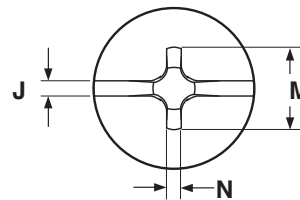
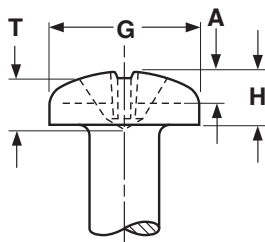


Slotted



Phillips

| PAN HEADS FOR MACHINE SCREWS AND SEMS |               |      |                |      |          |      |               |      |               |      |                      |                                 |      | ASME B18.6.3-2010    |
|---------------------------------------|---------------|------|----------------|------|----------|------|---------------|------|---------------|------|----------------------|---------------------------------|------|----------------------|
| Nominal Size                          | A             |      | H              |      | H1       |      | J             |      | T             |      | M                    | G                               |      | Phillips Driver Size |
|                                       | Head Diameter |      | Height of Head |      |          |      | Width of Slot |      | Depth of Slot |      | Dimensions of Recess |                                 |      |                      |
|                                       |               |      | Slotted        |      | Recessed |      |               |      |               |      | Diameter             | Recess Penetration Gaging Depth |      |                      |
|                                       | Max           | Min  | Max            | Min  | Max      | Min  | Max           | Min  | Max           | Min  | Ref                  | Max                             | Min  |                      |
| 0                                     | .116          | .104 | .039           | .031 | .044     | .036 | .023          | .016 | .022          | .014 | .060                 | .032                            | .014 | 0                    |
| 2                                     | .167          | .155 | .053           | .045 | .062     | .053 | .031          | .023 | .031          | .022 | .097                 | .052                            | .034 | 1                    |
| 3                                     | .193          | .180 | .060           | .051 | .071     | .062 | .035          | .027 | .036          | .026 | .105                 | .061                            | .043 | 1                    |
| 4                                     | .219          | .205 | .068           | .058 | .080     | .070 | .039          | .031 | .040          | .030 | .115                 | .071                            | .053 | 1                    |
| 5                                     | .245          | .231 | .075           | .065 | .089     | .079 | .043          | .035 | .045          | .034 | .152                 | .072                            | .046 | 2                    |
| 6                                     | .270          | .256 | .082           | .072 | .097     | .087 | .048          | .039 | .050          | .037 | .159                 | .080                            | .055 | 2                    |
| 8                                     | .322          | .306 | .096           | .085 | .115     | .105 | .054          | .045 | .058          | .045 | .175                 | .097                            | .071 | 2                    |
| 10                                    | .373          | .357 | .110           | .099 | .133     | .122 | .060          | .050 | .068          | .053 | .192                 | .113                            | .089 | 2                    |
| 12                                    | .425          | .407 | .125           | .112 | .151     | .139 | .067          | .056 | .077          | .061 | .252                 | .124                            | .098 | 3                    |
| 1/4                                   | .492          | .473 | .144           | .130 | .175     | .162 | .075          | .064 | .087          | .070 | .274                 | .144                            | .118 | 3                    |
| 5/16                                  | .615          | .594 | .178           | .162 | .218     | .203 | .084          | .072 | .106          | .085 | .343                 | .173                            | .149 | 4                    |
| 3/8                                   | .740          | .716 | .212           | .195 | .261     | .244 | .094          | .081 | .124          | .100 | .382                 | .213                            | .190 | 4                    |
| 1/2                                   | .987          | .958 | .281           | .260 | .348     | .325 | .106          | .091 | .161          | .131 | .428                 | .260                            | .235 | 4                    |



| COMBINATION DRIVE PAN HEADS FOR MACHINE SCREWS |                 |      |             |      |                 |      |       |      |                   |      |       |      |              |      |                    | ASME B18.6.3-2010 |             |
|--|-----------------|------|-------------|------|-----------------|------|-------|------|-------------------|------|-------|------|--------------|------|--------------------|-------------------|-------------|
| Nominal Screw Size                             | G               |      | H           |      | J               |      | A     |      | M                 |      | T     |      | N            |      | Recess Penetration |                   | Driver Size |
|  | Head Dimensions |      |             |      | Slot Dimensions |      |       |      | Recess Dimensions |      |       |      |              |      |                    |                   |             |
|  | Head Diameter   |      | Head Height |      | Width           |      | Depth |      | Diameter          |      | Depth |      | Recess Width |      |                    |                   |             |
|  | Max             | Min  | Max         | Min  | Max             | Min  | Max   | Min  | Max               | Min  | Max   | Min  | Min          | Max  | Min                |                   |             |
| 4  | .219            | .205 | .080        | .070 | .039            | .031 | .040  | .027 | .122              | .109 | .078  | .060 | .019         | .071 | .053               | 1                 |             |
| 6  | .270            | .256 | .097        | .087 | .048            | .039 | .050  | .033 | .166              | .153 | .091  | .066 | .028         | .080 | .055               | 2                 |             |
| 8  | .322            | .306 | .115        | .105 | .054            | .045 | .058  | .041 | .182              | .169 | .108  | .082 | .030         | .097 | .071               | 2                 |             |
| 10   | .373            | .357 | .133        | .122 | .060            | .050 | .068  | .048 | .199              | .186 | .124  | .100 | .031         | .113 | .089               | 2                 |             |
| 12   | .425            | .407 | .151        | .112 | .067            | .056 | .077  | .055 | .259              | .246 | .141  | .115 | .034         | .124 | .098               | 3                 |             |
| 1/4  | .492            | .473 | .175        | .162 | .075            | .064 | .087  | .063 | .281              | .268 | .161  | .135 | .036         | .144 | .118               | 3                 |             |
| 5/16   | .615            | .594 | .218        | .203 | .084            | .072 | .106  | .076 | .350              | .337 | .193  | .169 | .059         | .173 | .149               | 4                 |             |

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