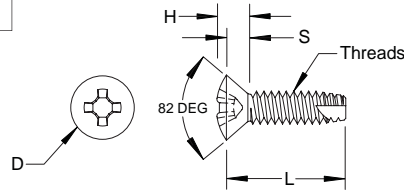


# Machine Screw, Thread Cutting

Oval Head  
Inch - Type 23

Sample Part Number

6 - 32 x 1/2 PH - OVAL - 23 - STL - Z  
Thread Length Drive Series Material Finish



| Thread   | H<br>Total Head<br>Height | S<br>Head Side<br>Height<br>REF | D<br>Head<br>Diameter | Drive Size<br>Cross Recess |
|----------|---------------------------|---------------------------------|-----------------------|----------------------------|
| 2 - 56   | .080 / .063               | .051                            | .172 / .147           | 1                          |
| 4 - 40   | .104 / .084               | .067                            | .225 / .195           | 1                          |
| 6 - 32   | .128 / .105               | .083                            | .279 / .244           | 2                          |
| 8 - 32   | .152 / .126               | .100                            | .332 / .292           | 2                          |
| 10 - 32  | .176 / .148               | .116                            | .385 / .340           | 2                          |
| 1/4 - 20 | .232 / .197               | .153                            | .507 / .452           | 3                          |

Custom sizes available.

| Length | L             |
|--------|---------------|
| 3/16   | .187 / .167   |
| 1/4    | .250 / .230   |
| 5/16   | .313 / .293   |
| 3/8    | .375 / .355   |
| 7/16   | .438 / .418   |
| 1/2    | .500 / .480   |
| 9/16   | .563 / .533   |
| 5/8    | .625 / .595   |
| 3/4    | .750 / .720   |
| 7/8    | .875 / .845   |
| 1      | 1.000 / .970  |
| 1.25   | 1.250 / 1.190 |
| 1.5    | 1.500 / 1.440 |
| 1.75   | 1.750 / 1.690 |
| 2      | 2.000 / 1.940 |

| Material | Description            |
|----------|------------------------|
| STL      | Low Carbon Steel       |
| SS       | 18 - 8 Stainless Steel |

| Finish  | Description |
|---------|-------------|
| Z - BLK | Zinc Black  |
| Z       | Zinc Clear  |

Other finishes available.

| Drive   | Description            |
|---------|------------------------|
| PH      | Cross Recess           |
| SL      | Slotted                |
| SL - PH | Slotted - Cross Recess |

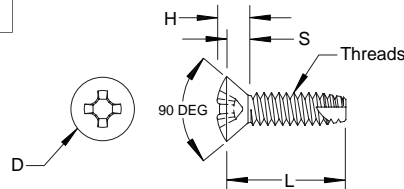
# Machine Screw, Thread Cutting

Oval Head  
Metric - Type 23

Sample Part Number

M4 x 10MM PH - OVAL - 23 - STL - Z  
Thread Length Drive Series Material Finish

ASME B18.6.5M\*\*



| Thread      | H<br>Head<br>Height<br>MAX | D<br>Head<br>Diameter | S<br>Head<br>Side<br>Height<br>MAX / REF | Drive Size *<br>Cross Recess |
|-------------|----------------------------|-----------------------|--|------------------------------|
| M2 x 0.4    | 0.5                        | 3.8 / 3.5             | 1.2                                      | 0                            |
| M2.5 x 0.45 | 0.6                        | 4.7 / 4.4             | 1.5                                      | 1                            |
| M3 x 0.5    | 0.7                        | 5.5 / 5.2             | 1.7                                      | 1                            |
| M3.5 x 0.6  | 0.8                        | 7.3 / 6.9             | 2.3                                      | 2                            |
| M4 x 0.7    | 1.0                        | 8.4 / 8.0             | 2.7                                      | 2                            |
| M5 x 0.8    | 1.2                        | 9.3 / 8.9             | 2.7                                      | 2                            |
| M6 x 1      | 1.4                        | 11.3 / 10.9           | 3.3                                      | 3                            |
| M8 x 1.25   | 2.0                        | 15.8 / 15.4           | 4.6                                      | 4                            |
| M10 x 1.5   | 2.3                        | 18.3 / 17.8           | 5.0                                      | 4                            |

Custom sizes available.

| Length | L           |
|--------|-------------|
| 4      | 4.0 / 3.2   |
| 5      | 5.0 / 4.2   |
| 6      | 6.0 / 5.2   |
| 8      | 8.0 / 7.2   |
| 10     | 10.0 / 9.2  |
| 12     | 12.0 / 11.2 |
| 16     | 16.0 / 15.2 |
| 20     | 20.0 / 19.2 |
| 25     | 25.0 / 23.8 |
| 30     | 30.0 / 28.8 |
| 35     | 35.0 / 33.8 |
| 40     | 40.0 / 38.8 |
| 45     | 45.0 / 43.5 |

| Material | Description            |
|----------|------------------------|
| STL      | Low Carbon Steel       |
| SS       | 18 - 8 Stainless Steel |

| Finish  | Description |
|---------|-------------|
| Z - BLK | Zinc Black  |
| Z       | Zinc Clear  |

Other finishes available.

| Drive   | Description            |
|---------|------------------------|
| PH      | Cross Recess           |
| SL      | Slotted                |
| SL - PH | Slotted - Cross Recess |
| PZ *    | Pozi                   |

\* Same size for POZI Drive

\*\* EN ISO 7051 / 1483 has slightly tighter tolerances.  
Contact Pencom for more information.