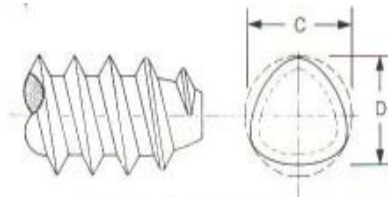




Tel.: 1-800-479-0056
 Fax: 1-888-411-2841
 www.aspenfasteners.com
 aspeninfo@aspenfasteners.com

48-2 PLASTITE ALTERNATIVE SCREWS - trilobular thread

Specifications for Recommended Pilot Hole Sizes



| Screw Size | "C" | | "D" | | Minimum out of Round | Recommended Pilot Hole Size | |
|--|-----------------------|--------|------------------------|--------|----------------------|-----------------------------|-------------------|
| | Circumscribing circle | | Across Center | | | Soft Ductile Materials | Brittle Materials |
| | max | min | max | min | | | |
| 0-48 | 0.0665 | 0.0635 | 0.0635 | 0.0605 | - | 0.048 | 0.056 |
| 2-28 | 0.092 | 0.086 | 0.089 | 0.083 | 0.002 | 0.076 | 0.080 |
| 3-24 | 0.110 | 0.104 | 0.106 | 0.100 | 0.002 | 0.088 | 0.094 |
| 4-20 | 0.127 | 0.121 | 0.123 | 0.117 | 0.002 | 0.100 | 0.106 |
| 6-19 | 0.147 | 0.141 | 0.143 | 0.137 | 0.003 | 0.122 | 0.128 |
| 7-18 | 0.166 | 0.160 | 0.160 | 0.154 | 0.004 | 0.134 | 0.142 |
| 8-16 | 0.185 | 0.179 | 0.179 | 0.173 | 0.004 | 0.149 | 0.158 |
| 9-15 | 0.199 | 0.193 | 0.193 | 0.187 | 0.004 | 0.162 | 0.172 |
| 10-14 | 0.212 | 0.206 | 0.208 | 0.202 | 0.004 | 0.175 | 0.185 |
| 12-11 | 0.235 | 0.229 | 0.230 | 0.224 | 0.005 | 0.195 | 0.206 |
| 1/2-14 | 0.232 | 0.226 | 0.226 | 0.220 | 0.005 | 0.195 | 0.205 |
| 1/4-10 | 0.276 | 0.270 | 0.268 | 0.262 | 0.006 | 0.224 | 0.240 |
| 5/16-9 | 0.345 | 0.336 | 0.335 | 0.325 | 0.006 | 0.286 | 0.303 |
| Tolerances on length | 0 thru 1/4" dia | | thru 3/4" +/- 0.030" | | > 3/4" +/- 0.050" | | |
| | > 1/4" dia | | all lengths +/- 0.050" | | | | |
| unless otherwise specified, all dimensions are in inches | | | | | | | |

Description:

Trilobular thread rolling screw having twin lead thread design; deep and narrow 48 degree thread profile and extra wide spacing between threads and a 1-2 thread tapered point.

Applications:

Specifically designed screw for use in plastics (thermoplastics, engineering resins, thermosets). The specialized thread profile improves the internal thread quality enhancing holding power, and thereby reduces stripping and pull-out and allows for repeated removal and insertion into the same tapped hole.



Tel.: 1-800-479-0056
Fax: 1-888-411-2841
www.aspenfasteners.com
aspeninfo@aspenfasteners.com

Material:

- AISI1022 steel or equivalent quench and tempered case hardened to Rockwell C45 min (core hardness Rockwell C28-38)
- 18-8 stainless steel (core hardness Rockwell B90-C20)
- 410 austenitic stainless steel - annealed, quench and tempered (core hardness Rockwell C34-C42)

Plating:

Carbon steel plastite alternative screws are available in clear zinc, black zinc and black oxide
Stainless steel plastite alternative screws have no additional coating

Plastite-Alt Screws Available from Aspen Fasteners

[SC196](#)

Plastite Alternative Screws - Flat Phillips Drive
Steel, Black Oxide Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC197](#)

Plastite Alternative Screws - Flat Phillips Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC198](#)

Plastite Alternative Screws - Flat Torx Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC199](#)

Plastite Alternative Screws - Flat Undercut
Phillips Drive Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC200](#)

Plastite Alternative Screws - Flat Undercut Torx Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC201](#)

Plastite Alternative Screws - Pan Phillips Drive
Steel, Black Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC202](#)

Plastite Alternative Screws - Pan Phillips Drive
Steel, Black Oxide Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC203](#)

Plastite Alternative Screws - Pan Phillips Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC204](#)

Plastite Alternative Screws - Pan Torx Drive
Steel, Black Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC205](#)

Plastite Alternative Screws - Pan Torx Drive
Steel, Black Oxide Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC206](#)

Plastite Alternative Screws - Pan Torx Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC207](#)

Plastite Alternative Screws - Truss Phillips Drive
Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads



Tel.: 1-800-479-0056
Fax: 1-888-411-2841
www.aspenfasteners.com
aspeninfo@aspenfasteners.com

[SC208](#)

Plastite Alternative Screws - Hex Indented Washer
Slotted - Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC210](#)

Plastite Alternative Screws - Hex Indented Washer
Unslotted - Steel, Zinc Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST106](#)

Plastite Alternative Screws - Flat Undercut Phillips Drive
Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST108](#)

Plastite Alternative Screws - Pan Phillips Drive
410 Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST110](#)

Plastite Alternative Screws - Pan Torx Drive
410 Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[SC209](#)

Plastite Alternative Screws - Hex Indented Washer
Unslotted - Steel, Black Oxide Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST105](#)

Plastite Alternative Screws - Flat Phillips Drive
Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST107](#)

Plastite Alternative Screws - Pan Phillips Drive
18-8 Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST109](#)

Plastite Alternative Screws - Pan Torx Drive
18-8 Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads

[ST111](#)

Plastite Alternative Screws - Hex Indented Washer
Unslotted - Stainless Steel, Full Thread
48 degree Thread Profile with 2 Lead Threads