

Screws for Sheet Metal

Standard and Engineered Fasteners

Whitesell offers an extensive variety of fastening solutions for thin sheet metal.



TYPE 23

Standard

A lower-cost standard screw for material thickness of 0.03" and greater. Cuts its own thread, but produces chips and material debris when applied.



SELF-DRILLING

Standard

Drills its own hole and taps its own thread in one single operation. For use in material thicknesses from 0.03" up to 1/4".



WHITELOCK®

Engineered

Whitelock® high performance screws drastically improve strip-out and have a high resistance to loosening.



WHITELOCK® II

Whitelock® II is specifically designed to grip into plastic or painted surfaces without marring the finish of the application.



WHITESHARK®

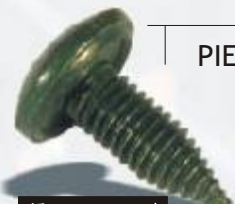
The new **Whiteshark®** offers similar surface protection yet can tap into and secure a variety of materials down to 0.008" in thickness.



PORC-CLEAR®

Engineered

Clears porcelain, paint and powder out of holes and reduces fastening costs by tapping its own threads. Increased locking and holding power. Eliminates driving and stalling problems.



PIERCE-LOCK®

Engineered

Eliminates all hole preparation! Whitesell's Piercelock® is engineered to pierce its own hole and extrude material up into the undercut of the head to provide secure holding power in thin metals.

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info



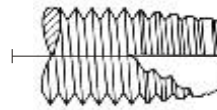
T 800 387-5741
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 W whitesell.ca

Screws for Sheet Metal

Technical Information

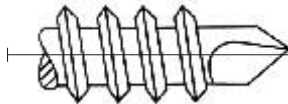
Standard Types

Type 23



Screw Size	Hole Size	
	Max	Min
4-40	.100	.094
6-32	.123	.115
8-32	.150	.141
10-24	.170	.160
10-32	.177	.167
12-24	.198	.186
1/4-20	.228	.214

Type BSD Self-Drilling



Screw Size	Point Style	Recommended Panel Thickness, in.	
		Min.	Max.
6	2	.035	.090
8	2	.035	.100
10	2	.035	.110
10	3	.110	.175
12	3	.110	.210
1/4	3	.110	.220

Engineered Types

Strip-out and/or surface marring are key problems when fastening today's thinner materials. Whitesell's engineered fasteners offer workable solutions to both of these problems.

- Resists strip-out.
- More holding power.
- Resists loosening.
- Easier to drive.
- Fast, cost-effective application.
- Prevents finish damage.
- Custom Engineered Solutions.

Contact Whitesell's Engineering Department for more information on screws and other fasteners for sheet metal.

Standard Tapping Screw → **Risk of Strip-out:**

1 Pitch to Full Minor Dia.
8-18 AB Pitch is .055"

High Risk When Clamp Component is Less Than One Thread Pitch Thick

High Risk When Tap Material is Less Than .032"

Minimal Thread Engagement

Whitelock®

Under-head serrations grip into bearing plate and absorb torque to generate higher resistance to strip-out.

Undercut feature extrudes material under the head for stronger thread engagement.

Designed-in 3/4 Pitch (0.041) to Full Thread for Optimal Engagement.

Whiteshark®

Prevents surface marring. Fastens material down to 0.008" in thickness.

Under-head fins lock into material and resist stripping.

Undercut feature extrudes material under the head for stronger thread engagement.

Designed-in 3/4 Pitch (0.041) to Full Thread for Optimal Engagement.