



*Fastener Solutions, Inc.*

INCLUDES  
**OVER**  
**2,700**  
ITEMS!

# SELF DRILLING SCREWS



2024 UPDATE

## MATERIALS & FINISHES

- Steel Zinc
- Stainless Steel
- Steel Black Oxide
- Steel 1,000-Hr Silver
- Steel 1,000-Hr Black Nickel
- 18-8, 410 & 316 Stainless
- Steel Black Zinc
- Steel Yellow Zinc
- Steel Green Zinc

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**DRILL POINTS AVAILABLE: #1, #2, #3, #4, #5**

# HIGH-CORROSION RESISTANT STEEL

## SILVER RUSPERT®

### A three-layer coating consisting of:

- (1) A Metallic zinc layer, topped with a
- (2) chemical conversion film layer, covered by a
- (3) boxed ceramic surface coating.

The finished parts have a dull silver color and will withstand a minimum of 1,000-hour Salt Spray test.

## ELECTRO-ZINC NICKEL

### Achieves the highest resistance to corrosion with the smallest thickness of protective coating.

Typically the nickel content of the alloy finish is 12-15%. The finished parts will withstand a minimum 1,000-hour Salt Spray test.



## PHILLIPS

- Bugle (Drywall)
- Flat w/ #4 Drill Point (Machine Screw Thread)
- Flat Undercut, Spaced Thread (#3 Point)
- Hex Washer, Spaced Thread (Standard Drill Point)
- Oval, Spaced Thread (#3 Point)
- Pan, Spaced Thread (Standard Drill Point)
- Hex Flange w/ Rubber Washer (#1 Stitch Point)
- Hex Flange w/ Rubber Washer (#3 Drill Point)



## SLOTTED (HEX WASHER)

- Spaced Thread (#3 Point)
- Machine Screw Thread (#3 Drill Point)

## SPACED THREAD (#1 STITCH POINT)

- Spaced Thread (#2, #4 Drill Point)
- Spaced Thread (Standard Drill Point)
- Spaced Thread w/ Neo-EPDM Washer (Standard Drill Point)
- Machine Screw Thread (#2, #4, #5 Drill Point)
- Machine Screw Thread (Standard Drill Point)



*All #2 / #3 points unless otherwise noted.*

# STEEL ZINC



## COMBINATION RECESS

- Hex Washer (Spaced Thread)
- Pan (Spaced Thread)



## PHILLIPS RECESS

- Bugle (Spaced Thread)
- Bugle w/ Pilot Point (Fine Thread)
- Flat, Spaced Thread  
(Zinc, Green Ceramic)
- Flat Undercut (Spaced Thread)
- Flat Undercut (Machine Screw Thread)
- Flat, Machine Screw Thread  
(#4 Point w/ Wings)
- Flat Undercut, Machine Screw Thread  
(#3 Point w/ Wings)
- Hex Washer
- Modified Truss
- Oval
- Oval, Countersunk Finishing Washer  
SEMS (#2 Point)
- Oval Undercut
- Pan (Spaced Thread)
- Pan (Machine Screw Thread)
- Pancake Phillips
- Serrated Pan (Spaced Thread)
- Special Pan Framing Screw  
(Zinc, Black Phosphate)
- Round Washer
- Trim Head
- Wafer (Spaced Thread)
- Wafer (Machine Screw Thread)
- Wafer, Spaced Thread, Drill Point  
(Ceramic Green)
- Wafer, High-Low Thread, Spade Point  
(Ceramic Green)
- Wafer, High-Low Thread, Sharp Point  
(Ceramic Green)



## SQUARE RECESS

- Flat
- Modified Truss
- Pan
- Pancake Square-Phillips Recess
- Trim Head
- Round Washer
- Wafer, Machine Screw Thread  
(#4 Point w/ Wings)



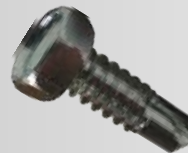
## SIX-LOBE RECESS

- Flat
- Hex Washer Serrated
- Modified Truss
- Pan
- Pan Serrated
- Pancake Six-Lobe
- Truss
- Wafer (Spaced Thread)
- Wafer (Machine Screw Thread)



## SLOTTED (HEX WASHER)

- #2 & #3 Points
- Serrated Spaced Thread  
(Standard Head)
- Serrated (Machine Screw Thread)
- With Neo-EPDM Washers



## UNSLOTTED (HEX)

- Spaced Thread



## UNSLOTTED (HEX WASHER)

- Spaced Thread (#2, #3, #4, #5 Points)
- Spaced Thread, High Head (#3 Point)
- Spaced Thread, Undersized Head  
(#3 Point)
- Machine Screw Thread  
(#1, #2, #3, #4, #5 Points)
- Machine Screw Thread  
(#4 Point w/ Wings)
- Serrated, Spaced Thread  
(#2, #3, #4 Points)
- Serrated, Spaced Thread,  
High Head (#3 Point)
- Serrated, Machine Screw Thread  
(#2 & #3 Points)
- Serrated, Machine Screw Thread,  
Red Painted Head, 7/16" A.F. (#2 Point)
- Serrated, Machine Screw Thread  
(#4 Point w/ Wings)
- With Neo-EPDM Washers,  
Machine Screw Thread (#4 Point)
- With Neo-EPDM Washers,  
Spaced Thread (#2, #3, #5 Points)

All #2 / #3 points unless otherwise noted.

# ADDITIONAL FINISHES

## STAINLESS STEEL



### PHILLIPS

- Flat (18-8, 410)
- Flat #4 Point w/ Wings, Machine Screw Thread (410)
- Flat Undercut (18-8, 410)
- Flat Undercut, Machine Screw Thread (18-8, 410)
- Hex Washer (18-8)
- Modified Truss (18-8, 410)
- Oval (18-8, 410)
- Oval Undercut (18-8)
- Pan (18-8, 410 & 18-8 Black Oxide)
- Pancake (18-8, 410)
- Bugle, Drywall (410)
- Wafer, Spaced Thread (18-8)
- Wafer, Machine Screw Thread (18-8, 410)



### SIX-LOBE

- Flat (18-8, 410)
- Pan (18-8, 410)
- Pancake (18-8, 410)
- Wafer (18-8)



### SLOTTED (HEX WASHER)

- Spaced Thread (18-8, 316, 410)
- Spaced Thread (410 Black Oxide)
- Machine Screw Thread (18-8)
- Machine Screw Thread (#2, #4, #5 Points (410)
- Machine Screw Thread, #4 Point w/ Wings (410)
- Spaced Thread, #4, #5 Points (410)
- Serrated, Spaced Thread (18-8)
- Serrated, Machine Screw Thread (18-8)
- Spaced Thread w/ Neo-EPDM Washer (18-8, 410)



### UNSLOTTED

- Hex Washer (18-8, 410)

### SQUARE RECESS



- Flat (18-8, 410)
- Pan (18-8, 410)
- Pancake Square-Phillips Recess (18-8, 410)

## STEEL BLACK OXIDE



### PHILLIPS

- Flat
- Hex Washer
- Oval
- Pan
- Modified Truss (Black Phosphate)
- Wafer, Machine Screw Threads (#3 Point)



### SQUARE-RECESS

- Pan



### SLOTTED / UNSLOTTED

- Slotted (Hex Washer)
- Unslotted (Hex Washer)

## STEEL BLACK ZINC



### PHILLIPS

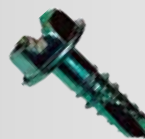
- Flat (#2 Point)
- Flat Undercut
- Pan



### UNSLOTTED

- Hex Washer

## STEEL GREEN ZINC



### SLOTTED

- Wafer, Machine Screw Threads (#3 Point)
- Wafer, Square-Phillips, Spaced Threads (#3 Point)

## STEEL YELLOW ZINC



### PHILLIPS

- Wafer, Machine Screw Threads (#3 Point)
- Wafer, Square-Phillips, Spaced Threads (#3 Point)

# DRILL CAPACITY CHART

## SPACED THREAD

Drill screws with a Spaced Thread pitch are typically used to attach plywood, soft woods or composition board to metal. They can also be used to attach thin metal sheet to metal.

DIAMETER	SIZE	DRILLING CAPACITY	
		MIN	MAX
#4	#2	.035	.080
#6	#2	.035	.090
#8	#2	.035	.100
#10	#2	.035	.110
#10	#3	.110	.175
#12	#3	.110	.210
#12	#4	.145	.312
#12	#5	.250	.500
1/4"	#3	.110	.220
1/4"	#4	.145	.312
1/4"	#5	.250	.500
5/16"	#4	.110	.312
5/16"	#5	.110	.312

## MACHINE SCREW THREAD

Drill screws with a Unified (Machine Screw style) thread pitch are normally used to join thicker materials in order to reduce friction and driving torque.

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
8-32"	#2	.035	.080
10-24"	#2	.035	.090
10-24"	#3	.035	.100
10-24"	#5	.035	.110
12-24"	#4	.110	.175
12-24"	#5	.110	.210
1/4-20"	#4	.145	.312
1/4-20"	#5	.250	.500

*Drilling capacities are not absolute and can vary from one lot to another. It's best to test parts in desired application to verify screws are appropriate.*

# DRILL CAPACITY CHART

## MACHINE SCREW THREAD WITH WINGS

### SPACED THREAD

Drill screws with remaining wings drill out a clearance hole in wood or other soft materials, then snap off when in contact with the metal surface to be drilled.

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
10-24"	#4	.050	.175
12-24"	#4	.050	.232
1/4-20"	#4	.050	.232

### SPACED THREAD WITH STITCH POINT

DIAMETER	POINT SIZE	DRILLING CAPACITY	
		MIN	MAX
#12	#1	.028	.075
1/4"	#1	.028	.094

## NEWEST ADDITIONS

### TO OUR SELF-DRILLING SCREW PRODUCT LINE

#### SIX-LOBE

- Pan Hd **Security Screws**, 18-8 (Spaced & Machine Scr Thread)
- Flat Hd **Security Screws**, 18-8
- Pan Hd Steel, Black Ox
- Pan Hd Steel, Black Zinc

#### SQUARE RECESS

- Flat Hd, Standard Pt—Stl Black Ox
- Pancake Hd, #1 Pt—Stl w/1000-Hr Finish
- Pancake Hd, #5 Pt—Stl w/1000-Hr Finish
- *Large* Pancake Hd, #3 Pt—Stl w/1000-Hr Finish

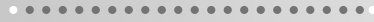
#### HEX WASHER UNSLOTTED

- High Hd, Stl w/1000-Hr Finish.

#### PHILLIPS

- Flat Undercut (#12 w/#10 Hd), Standard Pt, Stl Z (Mach Scr Thrd)

# ***NEW FINISH*** **AVAILABLE**



In Stock with 1,000-Hour  
Zinc/ Nickle Black Finish



**Unslotted Hex  
Washer Head**



**Pan Phillips**



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The Quality You Trust

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