

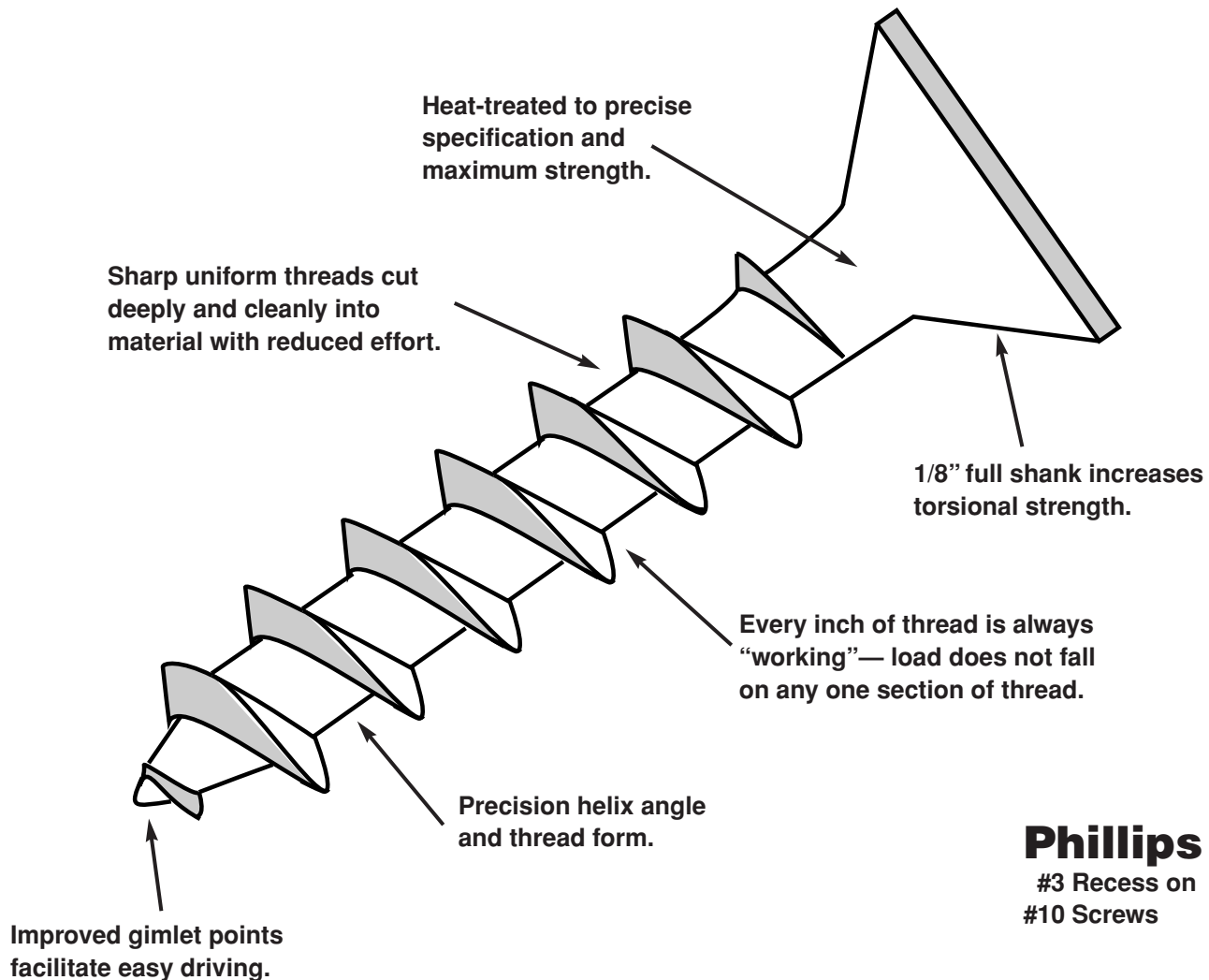
## GARDNER SCREW CORPORATION

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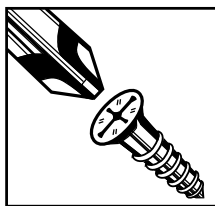
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### ***Hi-Torque Wood Screws – Phillips***

- Forging process provides a tougher screw.
- Easier driving means better efficiency — wood fibres are not crushed.
- Increased number of threads allows use of shorter length screws reflecting cost reduction.



**Phillips**  
#3 Recess on  
#10 Screws



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## Hi-Torque Wood Screws – Phillips

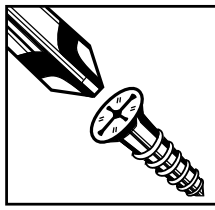
### RECOMMENDED DRILL AND BIT SIZES

As every good cabinet worker knows, there is considerable variation in condition and grade of wood. Therefore, any pilot hole recommendation is for average conditions, allowance may have to be made by a competent craftsman to meet specific conditions.

Too large a hole provides insufficient gripping surface. An undersize pilot hole likewise weakens the fastening, because the fibre of the wood is crushed and granulations are packed in the thread root. This sets up stresses which tend to split or crack the wood.

The following table lists recommended hole diameters, from which the experienced woodworker will vary according to his needs.

Screw Gauge		Shank Clearance Hole		Pilot Hole for Hard Wood			Pilot Hole for Soft Wood Screw Gauge			Flat and Oval Head Diameters Nearest Fraction	No. of Auger Bit to Counterbore for Head
Size	Decimal Dimension	Drill No. or Letter	Nearest Fraction	Hole Size	Nearest Fraction	Nearest Drill No.	Hole Size	Nearest Fraction	Nearest Drill No.		
2	.086"	42	3/32"	.052"	3/64" +	55	.035"	1/32" +	65	11/64"	3
3	.099"	37	7/64"–	.063"	1/16" +	52	.042"	3/64" –	58	13/64"	4
4	.112"	32	7/64"+	.070"	5/64"–	50	.050"	3/64" +	55	7/32"	4
5	.125"	30	1/8"+	.082"	5/64"+	45	.057"	1/16" –	53	1/4"	4
6	.138"	27	9/64"+	.093"	3/32"	42	.062"	1/16"	52	9/32"	5
7	.151"	22	5/32"	.106"	7/64" –	36	.066"	1/16"+	51	19/64"	5
8	.164"	18	11/64"–	.116"	7/64" +	32	.076"	5/64"–	48	21/64"	6
9	.177"	14	3/16"–	.128"	1/8" +	30	.082"	5/64" +	45	23/64"	6
10	.190"	10	3/16"+	.140"	9/64"	28	.088"	3/32" –	43	3/8"	6
12	.216"	2	7/32"+	.152"	5/32" –	24	.102"	7/64" –	38	7/16"	7
14	.242"	D	1/4"–	.166"	11/64" –	19	.116"	7/64" +	32	31/64"	8
16	.268"	I	17/64"+	.189"	3/16" +	12	.132"	1/8" +	29	17/32"	9
18	.294"	N	5/16"–	.209"	13/64" +	4	.145"	9/64" +	26	19/32"	10



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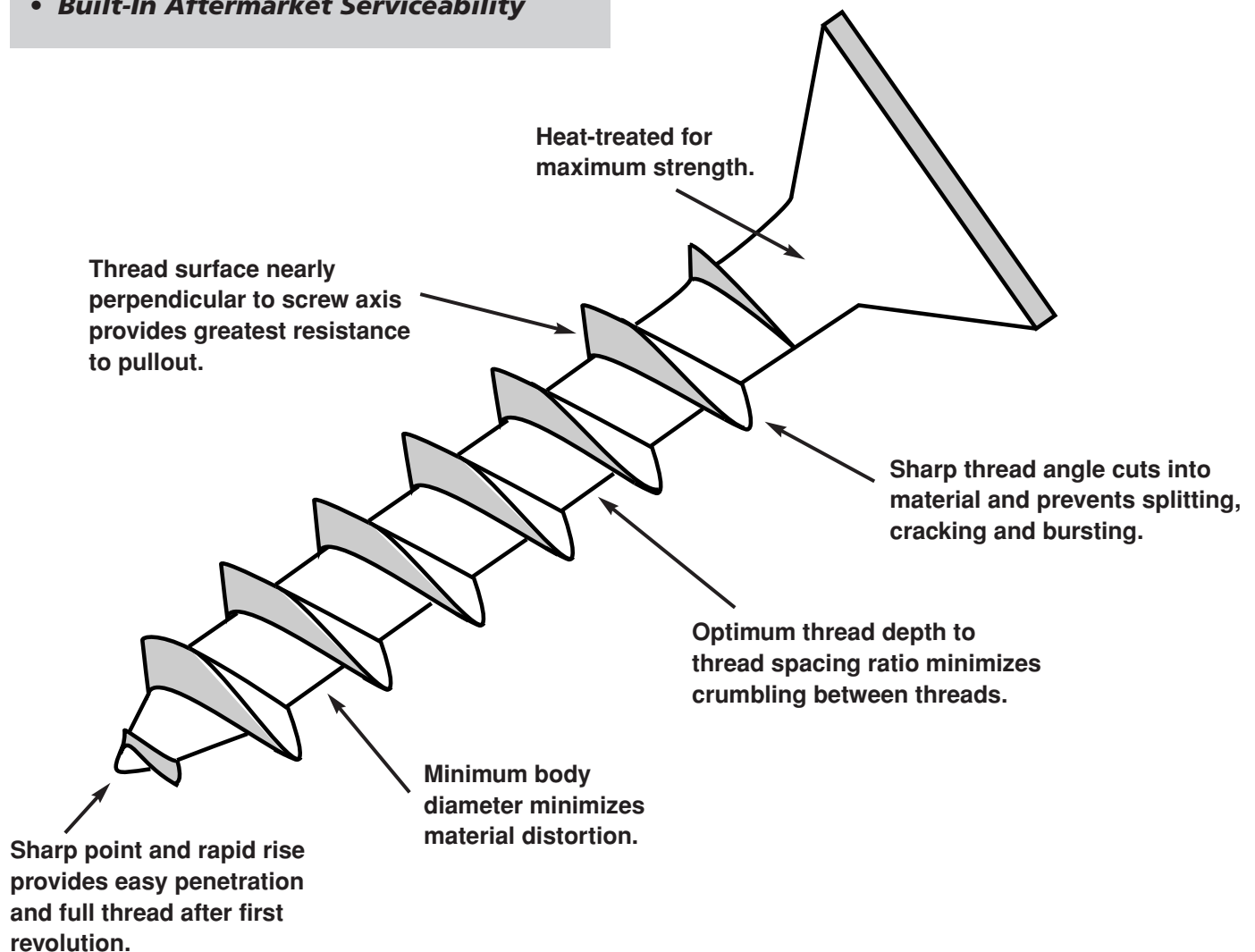
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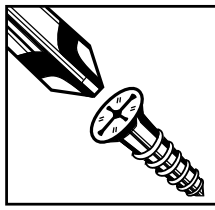
## Recex Lo-Root Screws

- **Longer Bit Life**
- **No Reaming or Cam-Out**
- **Increased Productivity**
- **Faster Driving Times**
- **Freedom From Slippage & Marring**
- **Operator Preference**
- **Reduced Operator Fatigue, Plus**
- **Built-In Aftermarket Serviceability**



Square recess and cross-slot combination permits the use of production drivers in the plant and Phillips screw drivers in your aftermarkets.





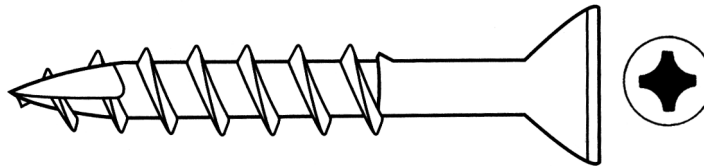
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## Zip Drivers – Phillips

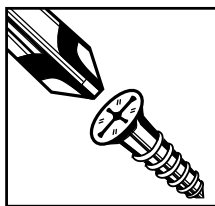
**Zip Driver Flat Head Deep Thread Screws with Nibs and Type-17 Point Phillips Recess**



- Extra Deep Phillips Recess with added self-countersinking nibs under the head carves away the material (particleboard and softwoods).
- Type-17 self-drilling point with deep thread practically eliminates splitting and bursting in particleboard and softwoods.

Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
8 x 1	MFXP08100SN	-F	-Z	1M	3.64
8 x 1-1/4	MFXP08114SN	-F	-Z	1M	4.44
8 x 1-1/2	MFXP08112SN	-F	-Z	1M	5.29
8 x 1-5/8	MFXP08158SN	-F	-Z	1M	5.82
8 x 1-3/4	MFXP08134SN	-F	-Z	1M	6.04
8 x 2	MFXP08200SN	-F	-Z	1M	7
8 x 2-1/4	MFXP08214SN	-F	-Z	1M	7.71
8 x 2-1/2	MFXP08212SN	-F	-Z	1M	9.2
8 x 3	MFXP08300SN	-F	-Z	1M	11.5

Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
8 x 1	BFXP08100SN	-F	-Z	11M	39
8 x 1-1/4	BFXP08114SN	-F	-Z	9M	40
8 x 1-1/2	BFXP08112SN	-F	-Z	7M	37
8 x 1-5/8	BFXP08158SN	-F	-Z	5.5M	32
8 x 1-3/4	BFXP08134SN	-F	-Z	4.8M	29
8 x 2	BFXP08200SN	-F	-Z	4M	28
8 x 2-1/4	BFXP08214SN	-F	-Z	3.5M	27
8 x 2-1/2	BFXP08212SN	-F	-Z	2.5M	22
8 x 3	BFXP08300SN	-F	-Z	2M	22



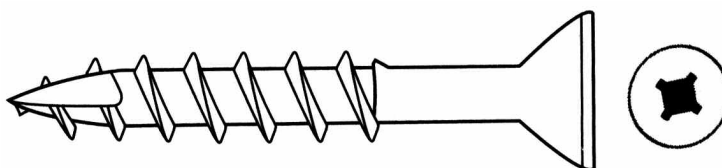
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## Zip Drivers – Recex®

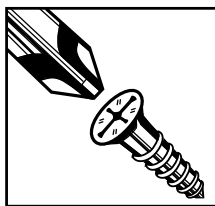
### Flat Recex® Deep Thread Screws with Nibs and Type-17 Point



- Patented Recex® Square-Phillips Combination Recess Zip Driver for drive versatility, insures you always have the correct driver bit to install or adjust your finished wood working project.
- Dependable Type-17 point pre-drills the wood while the nibs underneath the head allow the fastener to self-countersink itself into all types of soft and hardwoods (particleboard and softwoods).

Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
8 x 1	MFRP08100SN	-F	-Z	1M	3.64
8 x 1-1/4	MFRP08114SN	-F	-Z	1M	4.44
8 x 1-1/2	MFRP08112SN	-F	-Z	1M	5.29
8 x 1-5/8	MFRP08158SN	-F	-Z	1M	5.82
8 x 1-3/4	MFRP08134SN	-F	-Z	1M	6.04
8 x 2	MFRP08200SN	-F	-Z	1M	7
8 x 2-1/4	MFRP08214SN	-F	-Z	1M	7.71
8 x 2-1/2	MFRP08212SN	-F	-Z	1M	9.2
8 x 2-3/4	MFRP08234SN	-F	-Z	1M	10.46
8 x 3	MFRP08300SN	-F	-Z	1M	11.5

Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
8 x 1	BFRP08100SN	-F	-Z	11M	40
8 x 1-1/4	BFRP08114SN	-F	-Z	9M	38
8 x 1-1/2	BFRP08112SN	-F	-Z	7M	35
8 x 1-5/8	BFRP08158SN	-F	-Z	5.5M	36
8 x 1-3/4	BFRP08134SN	-F	-Z	4.8M	31
8 x 2	BFRP08200SN	-F	-Z	4M	20
8 x 2-1/4	BFRP08214SN	-F	-Z	3.5M	25
8 x 2-1/2	BFRP08212SN	-F	-Z	2.5M	23
8 x 2-3/4	BFRP08234SN	-F	-Z	2.5M	23
8 x 3	BFRP08300SN	-F	-Z	2M	22

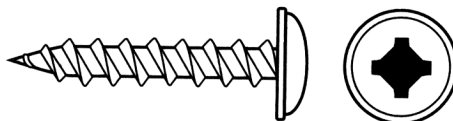


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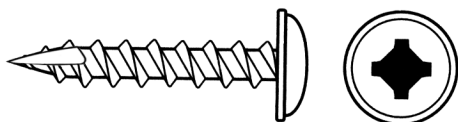
## Round Washer Screws



Lubricized Stock Finish

Size	Part No.	Driver Size	Case Qty.	Weight lbs.
6 x 5/8	035541066076	1	15M	39
8 x 1/2	035542060118	2	12M	42
8 x 5/8	035542060120	2	12M	44
8 x 3/4	035542060121	2	10M	43
8 x 7/8	035542060122	2	8M	38
8 x 1	035542060123	2	8M	41
8 x 1-1/8	035542063124	2	6M	33
8 x 1-1/4	035542063125	2	6M	36
8 x 1-3/8	035542063533	2	5M	32
8 x 1-1/2	035542063126	2	5M	34
8 x 1-3/4	035542063127	2	4M	31
8 x 2	035542063128	2	3M	26
8 x 2-1/4	035542063129	2	9M	19
8 x 2-1/2	035542063130	2	2M	21

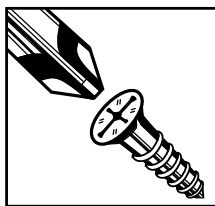
Size	Part No.	Driver Size	Case Qty.	Weight lbs.
8 x 2-3/4	035542063131	2	1.5M	20
8 x 3	035542063132	2	1.5M	19
8 x 3-1/4	035542063133	2	1M	12
8 x 3-1/2	035542063134	2	1M	13
10 x 1/2	035542060170	2	10M	47
10 x 5/8	035542060172	2	8M	39
10 x 3/4	035542060173	2	8M	43
10 x 1	035542060175	2	6M	39
10 x 1-1/4	035542063177	2	5M	35
10 x 1-1/2	035542063178	2	3M	26
10 x 1-3/4	035542063179	2	3M	30
10 x 2	035542063180	2	2.5M	28
10 x 2-1/2	035542063182	2	1.5M	19
10 x 3	035542063184	2	1M	18



Round Washer Recex® Lo Root®  
Type 17 Screws

Lubricized Stock Finish

Size	Part No.	Driver Size	Case Qty.	Weight lbs.
8 x 1	395542066123	2	8M	41
8 x 1-1/8	395542067124	2	6M	33
8 x 1-1/4	395542067125	2	6M	36
8 x 1-1/2	395542067126	2	4M	31
8 x 1-3/4	395542067127	2	4M	26



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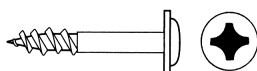
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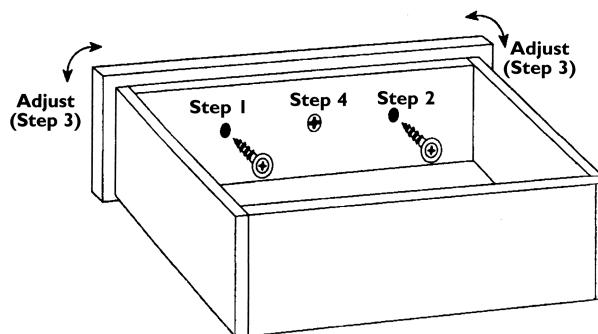
## Drawer Front Adjusting Screws

Extra large washer built into the head for increased bearing surface and maximum hole coverage. The unique head design is a timesaver for the professional cabinet maker.

### Modified Truss - Phillips Deep Thread Extra Large Washer Head Screw

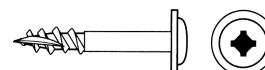


1/2" head diameter



- Step 1 - Drill oversized 5/16" holes in drawer box.  
 Step 2 - Attach drawer front by driving screws through box and into drawer front.  
 Step 3 - Adjust drawer front.  
 (the oversized holes ensure perfect alignment)  
 Step 4 - Fix drawer front with knob or pull screws

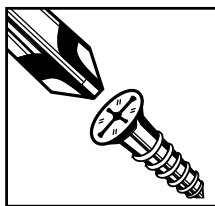
### Modified Truss - Recex® Deep Thread Type 17 Extra Large Washer Head Screw



1/2" head diameter

Size	Part No.	Finish	Case Qty.	Weight lbs.
8 x 7/8	CWXP08078R2Z	Full Thread	100	0.54
	MWXP08078R2Z		1M	5.4
	BWXP08078R2Z		10M	54
8 x 1	BWXP08100R2F	Black Half Thread	7M	46
8 x 1	CWXP08100R2Z	Half Thread	100	0.6
	MWXP08100R2Z		1M	6
	BWXP08100R2Z		10M	44
8 x 1-1/8	CWXP08118R2Z	Zinc Half Thread	100	0.64
	MWXP08118R2Z		1M	6.43
	BWXP08118R2Z		6.5M	44
8 x 1-1/4	CWXP08114R2Z	Zinc Half Thread	100	0.7
	MWXP08114R2Z		1M	7.03
	BWXP08114R2Z		6.5M	46
8 x 1-1/2	MWXP08112R2Z	Zinc Half Thread	1M	8
	BWXP08112R2Z		5M	40

Size	Part No.	Finish	Case Qty.	Weight lbs.
8 x 1	MWRP08100S2Z	Zinc	1M	6
	BWRP08100S2Z	Half Thread	7M	43
8 x 1-1/8	MWRP08118S2Z	Zinc	1M	6.43
	BWRP08118S2Z	Half Thread	6.5M	42
8 x 1-1/4	MWRP08114S2Z	Zinc	1M	7.03
	BWRP08114S2Z	Half Thread	6.5M	47



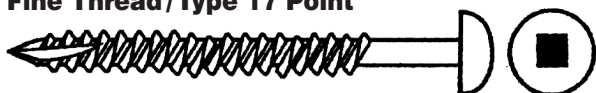
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## Face Frame / Pocket Screws

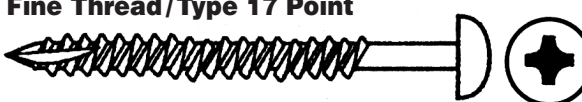
### Pan Head/Square Recess Drive Fine Thread/Type 17 Point



The "original" pan head with a higher head height to insure proper bit fit. Square recess drive fits square bits with a deeper recess for better grip, incures "slip-proof" driving - no camouts.

Size	Part No.	Finish	Case Qty.	Weight lbs.
6 x 1-1/4	MPSA06114S2F	Black T17	1M	4.36
6 x 1-1/4	BPSA06114S2F	Black T17	10M	43
6 x 1-1/2	MPSA06112S2F	Black T17	1M	4.12
6 x 1-1/2	BPSA06112S2F	Black T17	8.5M	35

### Pan Head/Phillips Recess Drive Fine Thread/Type 17 Point



The "original" pan head with a higher head height to insure proper bit fit. Fine thread provides easy driving and maximum strength in hardwoods.

Size	Part No.	Finish	Case Qty.	Weight lbs.
6 x 1-1/4	MPXA06114S2F	Black T17	1M	4.2
6 x 1-1/4	BPXA06114S2F	Black T17	10M	40
6 x 1-1/2	MPXA06112S2F	Black T17	1M	4.12
6 x 1-1/2	BPXA06112S2F	Black T17	8.5M	35

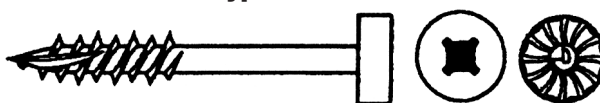
### Pan Head/Square Recess Drive Deep Waxed Thread/Type 17 Point



The "original" pan head with a higher head height to insure proper bit fit. Square recess drive fits square bits with a deeper recess for better grip. Deep waxed thread offers easy driving and maximum hold in softwoods and manmade materials.

Size	Part No.	Finish	Case Qty.	Weight lbs.
7 x 1-1/4	MPSP07114S2F	Black	1M	4.22
7 x 1-1/4	BPSP07114S2F	Black	9M	39
7 x 1-1/2	MPSP07112S2F	Black	1M	5
7 x 1-1/2	BPSP07112S2F	Black	6M	30
7 x 1-7/16	BPSP07116S2F	Black	6M	30
7 x 1-7/16	BPSP07116S2F	Yellow Zinc	6M	30

### Fillister Head/Recex® Drive Hi-Lo™ Thread/Type 17 Point



Serrations under head to lock into frame.

Size	Part No.	Finish	Case Qty.	Weight lbs.
7 x 1-1/4	MFRH07114S2L	Lubricized®	1M	51
7 x 1-1/4	BFRH07114S2L	Lubricized®	7.5M	37
7 x 1-1/2	MFRH07112S2L	Lubricized®	1M	5.7
7 x 1-1/2	BFRH07112S2L	Lubricized®	6M	34

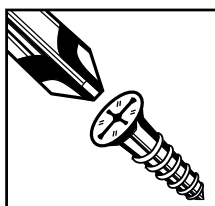
### Round Washer Head/Recex® Drive / Deep Thread/ Type 17 Point



Larger body for added strength.

Size	Part No.	Finish	Case Qty.	Weight lbs.
8 x 1-1/4	BWRP08114F2F	Black	7M	38
8 x 1-1/2	BWRP08112F2F	Black	5M	31





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## Face Frame / Pocket Screws

### Thread Styles



Fine Thread: provides easy driving and maximum strength in hardwoods.



Deep Waxed Thread: offers easy driving & maximum hold in softwoods & man-made materials.



Hi-Lo™ Thread: designed to be the perfect solution for all applications.

### Drive Styles



Phillips Recess Drive: an old standard improved with a deeper recess to prevent bit slip.



Recex® Drive/Sq Phillips: made better by increasing drive depth for max. grip.



Square Recess Drive: fits square bits but with a deeper recess for better grip.

### Head Styles



Pan Head: the "original" but with a higher head height to insure proper bit fit.



Round Washer Head: with a larger head diameter to prevent "sinking."



Fillister Head: maximum driver bit engagement insures "slip-proof" driving/no camouts.

### Points

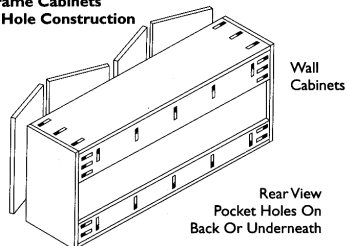


Type 17 for max. pre-drill power.

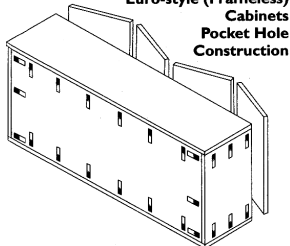


### Application Examples

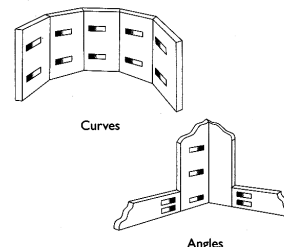
#### Face Frame Cabinets Pocket Hole Construction



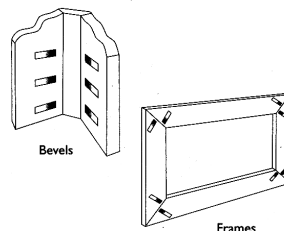
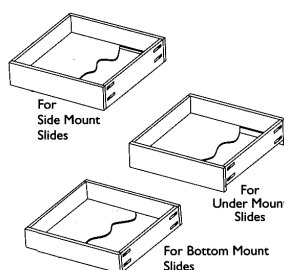
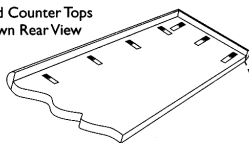
#### Euro-style (Frameless) Cabinets Pocket Hole Construction



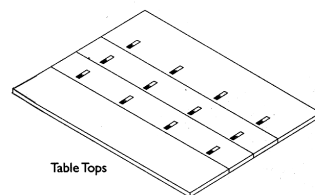
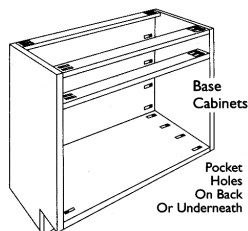
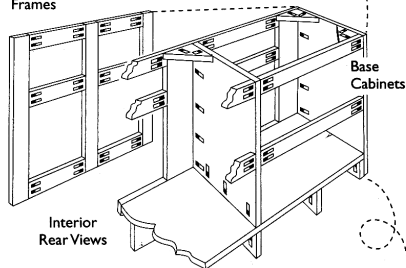
#### Other Examples Of Pocket Hole Construction



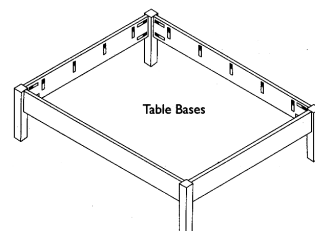
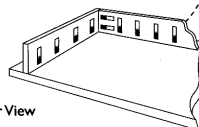
#### Edgebanded Counter Tops Upside Down Rear View

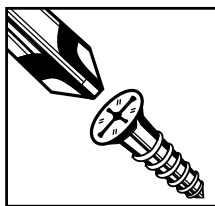


#### Face Frames



#### Toe Kicks Upside Down Rear View





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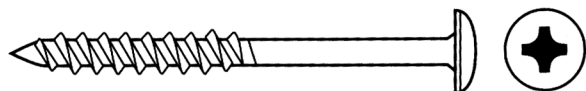
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## Plated Cabinet Installation Screws – Truss Head

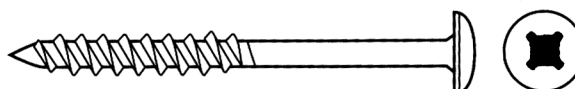
Deep thread and half thread screws for wood applications, commonly used to attach cabinets to wood studs.

### Phillips Recess Screws for Wood Studs



Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
10 x 2-1/2	BTXP10212R3	-F	-Z	2M	30
10 x 2-3/4	BTXP10234R3		-Z	2M	34
10 x 3	BTXP10300R3	-F	-Z	1.5M	27

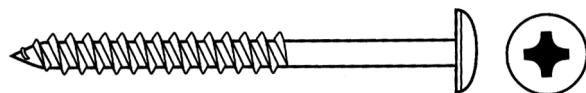
### Recex® Combine with Phillips for Wood Studs



Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
10 x 2-1/2	BTRP10212R2	-F	-Z	2M	27
10 x 3	BTRP10300R2	-F	-Z	1.5M	23

Fine thread and half thread screws commonly used to attach cabinets to metal studs.

### Phillips Recess Screws for Metal Studs Needle Point for Light Gauge

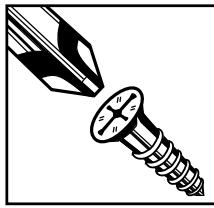


Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
8 x 2-1/2	BTXF08212N2		-Z	2.5M	27

### Phillips Recess Screws for Metal Studs Drill Point for Heavier Gauge



Size	Part No.	Finish Black	Zinc	Case Qty.	Weight lbs.
10 x 2-1/2	BTXF10212D32		-Z	2M	31



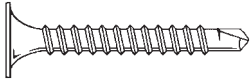
# GARDNER SCREW CORPORATION

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## Drywall Screws

### Bugle Head Self-Drill



- Posi-Grip drill point provides easier cutting and faster penetration.
- Available in Black Phosphate or Zinc plated.
- Used for fastening drywall to 14-20 gauge metal studs.

Size	Part #	Qty.	Wt.
6 x 1	SD100	10 M	33 lbs
6 x 1 1/8	SD118	10 M	34 lbs
6 x 1 1/4	SD114	8 M	30 lbs
6 x 1 5/8	SD158	5 M	23 lbs
6 x 1 7/8	SD178	4 M	27 lbs
8 x 2 3/8	SD238	3 M	24 lbs
8 x 2 5/8	SD258	2.5 M	24 lbs
8 x 3	SD300	2 M	25 lbs

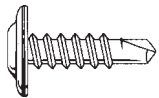
### Trim Head Self-Drill



- Phillips or square drive.
- Used for attaching wood trim or base to 14-20 gauge metal studs.

Size	Part #	Qty.	Wt.
6 x 1	T(P)SD100	10 M	30 lbs
6 x 1 5/8	T(P)SD158	5 M	22 lbs
6 x 2 1/4	T(P)SD214	3 M	19 lbs

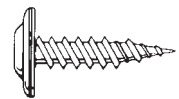
### Wafer Lath Self-Drill



- Zinc plated, Phil. drive.
- For attaching metal lath to heavy gauge (14-20) metal studs.

Size	Part #	Qty.	Wt.
8 x 1/2	WD012	10 M	41 lbs
8 x 3/4	WD034	8 M	44 lbs
8 x 1	WD100	5 M	29 lbs
8 x 1 1/4	WD114	5 M	34 lbs
8 x 1 5/8	WD158	4 M	34 lbs

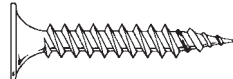
### Wafer Lath Sharp



- 9/16 also available in Black Phosphate.
- For attaching metal lath or k-lath to metal studs 20-25 gauge. Zinc finish, Phil. recess.

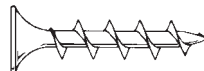
Size	Part #	Qty.	Wt.
8 x 9/16	W916Z	10 M	33 lbs
8 x 3/4	W034Z	8 M	38 lbs
8 x 1	W100Z	5 M	26 lbs
8 x 1 1/4	W114Z	5 M	31 lbs
8 x 1 5/8	W158Z	4 M	30 lbs
8 x 2	W200Z	2.5 M	25 lbs

### Bugle Head Sharp



- Twin lead point for increased holding power and faster penetration.
- Available in Black Phosphate or Zinc Coating. (1"-3")
- Multi-purpose screw used for fastening drywall to 20-25 gauge metal studs. Phil. recess.

### Coarse Hi Thread



- Available in Black Phosphate, Zinc or Zinc Yellow Dichromate.
- The most complete line of coarse thread drywall screws. Used in many applications, wood to wood, drywall to wood, cabinet installation, and outdoor wood decks. Phil. recess.

### Trim Head Sharp

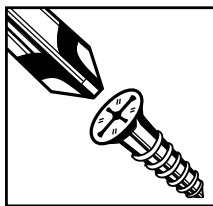


- Phillips or square drive.
- For attaching wood trim and base to metal studs.

Size	Part #	Qty.	Wt.
6 x 1	SS100	10 M	31 lbs
6 x 1 1/8	SS118	10 M	32 lbs
6 x 1 1/4	SS114	8 M	30 lbs
6 x 1 5/8	SS158	5 M	24 lbs
6 x 2	SS200	3.5 M	21 lbs
6 x 2 1/4	SS214	3 M	20 lbs
8 x 2 1/2	SS212	2.5 M	25 lbs
8 x 3	SS300	2 M	23 lbs
10 x 3 1/2	SS312	1.5 M	27 lbs
10 x 3 3/4	SS334	1.5 M	30 lbs
10 x 4	SS400	1.5 M	32 lbs
10 x 4 1/2	SS412	1 M	36 lbs
10 x 5	SS500	1 M	27 lbs
10 x 6	SS600	1 M	29 lbs

Size	Part #	Qty.	Wt.
6 x 1	C100B	10 M	31 lbs
6 x 1 1/8	C118B	10 M	32 lbs
6 x 1 1/4	C114B	8 M	30 lbs
6 x 1 1/2	C112B	6 M	26 lbs
6 x 1 5/8	C158B	5 M	24 lbs
6 x 2	C200B	3.5 M	21 lbs
6 x 2 1/4	C214B	3 M	20 lbs
7 x 1 3/4	C134B	4 M	21 lbs
7 x 2	C200BX	3.5 M	23 lbs
8 x 2 1/2	C212B	2.5 M	25 lbs
8 x 3	C300B	2 M	23 lbs
10 x 3 1/2	C312B	1.5 M	27 lbs
10 x 4	C400B	1.5 M	32 lbs

Size	Part #	Qty.	Wt.
6 x 1	T(P)S100	10 M	30 lbs
6 x 1 5/8	T(P)S158	5 M	21 lbs
6 x 2 1/4	T(P)S214	3 M	20 lbs
8 x 3	T(P)S300	2 M	22 lbs



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## Drywall Screws

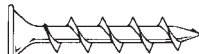
### Pan Framing Sharp



- Serrations under head to prevent spinning.
- For attaching steel studs to steel track up to 20 gauge.

Size	Part #	Qty.	Wt.
6 x 7/16	SS6716	15 M	35 lbs
7 x 7/16	SS7716	15 M	38 lbs

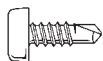
### Wood Screws/Flat Square Head/Coarse Thread



- Phillips or square drive.
- Black or Zinc finish.
- For cabinet installation and other hard wood to wood applications. Square drive creates more positive driving.

Size	Part #	Qty.	Wt.
8 x 1	CS8100	10 M	38 lbs
8 x 1 1/4	CS8114	8 M	36 lbs
8 x 1 1/2	CS8112	6 M	32 lbs
8 x 1 3/4	CS8134	4 M	26 lbs
8 x 2	CS8200	3.5 M	25 lbs
8 x 2 1/4	CS8214	3 M	21 lbs
8 x 2 1/2	CS8212	2.5 M	23 lbs
8 x 3	CS8300	2 M	24 lbs

### Pan Framing Self-Drill



- Available in Black Phosphate or Zinc plated. Phil. drive.
- For attaching steel track to 14-20 gauge metal studs.

Size	Part #	Qty.	Wt.
6 x 7/16	SD6716	15 M	37 lbs
7 x 7/16	SD7716	15 M	40 lbs
10 x 9/16	SD10916	10 M	49 lbs

### Trim Head Self-Drill



- Phillips or square drive.
- Used for attaching wood trim or base to 14-20 gauge metal studs.

Size	Part #	Qty.	Wt.
6 x 1	T(P)SD100	10 M	30 lbs
6 x 1 5/8	T(P)SD158	5 M	22 lbs
6 x 2 1/4	T(P)SD214	3 M	19 lbs

### Cement Board Self-Drill Screws

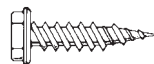


• Type "S" point.

- For attaching cement board to 14-20 gauge metal studs.
- Special exterior coating provides over 500 salt spray hours.

Size	Part #	Qty.	Wt.
8 x 1 1/4	DR114	5 M	34 lbs
8 x 1 5/8	DR158	4 M	35 lbs
8 x 2 1/4	DR214	2 M	22 lbs
8 x 1 1/4	DR114S	5 M	34 lbs
8 x 1 5/8	DR158S	4 M	35 lbs

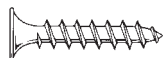
### Self-Piercing (Slotted) Hex Washer Head Needle Point



- Extra sharp point for faster penetration.
- Twin lead thread for easier installation.
- Used in light metal assembly such as electrical outlets, framing, and various other sheet metal applications.
- Slotted head.
- Zinc Plated.

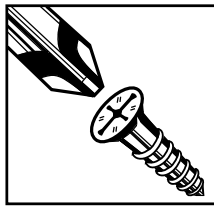
Size	Part #	Qty.	Wt.
8 x 1/2	HSS8012	15 M	45 lbs
8 x 3/4	HSS8034	10 M	43 lbs
8 x 1	HSS8100	7.5 M	37 lbs
8 x 1 1/4	HSS8114	6 M	36 lbs
8 x 1 1/2	HSS8112	5 M	37 lbs
8 x 2	HSS8200	3 M	30 lbs
10 x 1/2	HSS10012	14 M	50 lbs
10 x 3/4	HSS10034	7.5 M	35 lbs
10 x 1	HSS10100	5 M	34 lbs
10 x 1 1/2	HSS10112	3 M	35 lbs
10 x 2	HSS10200	2 M	35 lbs

### Laminating Screw



- A temporary fastener for attaching drywall to drywall. Phil. recess.

Size	Part #	Qty.	Wt.
10 x 1 1/2	L112	5 M	38 lbs



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## Wood Screws - Washers

### Weights of Wood Screws

Approx. Weight of 1000 Steel Wood Screws (in lbs.)									
Length	Screw Size								
	#4	#5	#6	#7	#8	#9	#10	#12	#14
1/4"	0.7	-	-	-	-	-	-	-	-
3/8"	1.0	1.2	1.4	1.7	2.3	-	-	-	-
1/2"	1.2	1.6	1.9	2.3	2.9	3.2	3.8	-	-
5/8"	1.5	1.8	2.2	2.8	3.2	3.9	4.4	7.5	-
3/4"	1.7	2.1	2.7	3.2	3.8	4.5	5.1	7.8	8.9
7/8"	2.0	2.5	3.0	3.7	4.2	5.2	5.9	8.1	9.8
1"	2.4	2.9	3.4	4.1	4.9	5.7	6.6	8.8	10.9
1-1/4"	2.8	3.3	4.3	5.5	6.2	7.2	8.4	11.0	13.7
1-1/2"	3.3	4.5	5.3	6.2	7.4	8.6	10.0	13.0	16.5
1-3/4"	4.2	5.1	6.1	7.3	8.7	10.0	11.4	14.7	18.5
2"	-	-	6.9	8.3	9.6	11.3	12.6	17.4	21.3
2-1/4"	-	-	8.2	9.5	11.0	12.8	15.0	19.2	24.7
2-1/2"	-	-	8.6	10.4	11.7	14.7	16.3	22.4	26.8
2-3/4"	-	-	-	-	13.8	15.4	18.8	23.9	29.0
3"	-	-	-	-	14.9	17.4	20.1	26.3	32.1
3-1/2"	-	-	-	-	18.5	22.0	24.3	31.1	37.7
4"	-	-	-	-	22.5	-	29.8	34.1	42.9

### SAE Washers

Bolt Size	O.D.	I.D.	American Standard Gauge		Appx. lbs./M Pcs.	Appx. # of Pc/lb.
#4	5/16"	1/8"	21	1/32"	-	1650
#6	3/8"	5/32"	18	3/64"	1.26	790
#8	7/16"	3/16"	18	3/64"	1.7	585
3/16"	1/2"	7/32"	18	3/64"	2.3	435
#12	9/16"	1/4"	16	1/16"	3.4	280
1/4"	5/8"	9/32"	16	1/16"	4.5	222
5/16"	11/16"	11/32"	16	1/16"	5.2	192
3/8"	13/16"	13/32"	16	1/16"	7.2	140
7/16"	59/64"	15/32"	16	1/16"	9.5	105
1/2"	1-1/16"	17/32"	13	3/32"	18.3	55

Bolt Size	O.D.	I.D.	American Standard Gauge		Appx. lbs./M Pcs.	Appx. # of Pc/lb.
9/16"	1-3/16"	19/32"	13	3/32"	23.4	43
5/8"	1-5/16"	21/32"	13	3/32"	27.7	36
3/4"	1-1/2"	13/16"	10	9/64"	47.4	21
7/8"	1-3/4"	15/16"	10	9/64"	63	16
1"	2"	1-1/16"	10	9/64"	63	12
1-1/8"	2-1/4"	1-3/16"	10	9/64"	109	9.2
1-1/4"	2-1/2"	1-5/16"	9	5/32"	160	6.3
1-3/8"	2-3/4"	1-7/16"	9	5/32"	190	5.25
1-1/2"	3"	1-5/16"	9	5/32"	240	4.25



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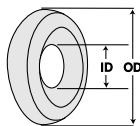
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## Washers

### USS Washers

Bolt Size	O.D.	I.D.	American Standard Gauge		Appx. lbs./M Pcs.	Appx. # of Pc/lb.
3/16"	9/16"	1/4"	18	3/64"	2.8	361
1/4"	3/4"	5/16"	16	1/16"	6.7	149
5/16"	7/8"	3/8"	14	5/64"	11.5	87
3/8"	1"	7/16"	14	5/64"	14.9	67
7/16"	1-1/4"	1/2"	14	5/64"	24.4	41
1/2"	1-3/8"	9/16"	12	7/64"	38.5	26
9/16"	1-1/2"	5/8"	12	7/64"	45.5	22
5/8"	1-3/4"	11/16"	10	9/64"	77	13
3/4"	2"	13/16"	9	5/32"	110	9.1
7/8"	2-1/4"	15/16"	8	11/64"	153	6.5
1"	2-1/2"	1-1/16"	8	11/64"	188	5.3
1-1/8"	2-3/4"	1-1/4"	8	11/64"	220	4.5

Bolt Size	O.D.	I.D.	American Standard Gauge		Appx. lbs./M Pcs.	Appx. # of Pc/lb.
1-1/4"	3"	1-3/8"	8	11/64"	260	3.8
1-3/8"	3-1/4"	1-1/2"	7	3/16"	333	3
1-1/2"	3-1/2"	1-5/8"	7	3/16"	385	2.6
1-5/8"	3-3/4"	1-3/4"	7	3/16"	448	2.3
1-3/4"	4"	1-7/8"	7	3/16"	500	2
1-7/8"	4-1/4"	2"	7	3/16"	569	1.8
2"	4-1/2"	2-1/8"	7	3/16"	630	1.6
2-1/4"	4-3/4"	2-3/8"	5	7/32"	826	1.2
2-1/2"	5"	2-5/8"	4	15/64"	961	1
2-3/4"	5-1/4"	2-7/8"	3	1/4"	1100	.9
3"	5-1/2"	3-1/8"	2	9/32"	1300	.8



### Countersunk Finishing Washer

Size	O.D.	I.D.	Wt. Per M
6	.469"	.173"	0.8
8	.531"	.209"	1.1
10	.593"	.269"	1.4
12	.656"	.275"	2.1
14	.781"	.324"	2.7

### Flat Washers

Bolt Size	Fender Washers		
	O.D.	I.D.	Thickness
#10	1"	7/32"	.051" - .080"
1/4"	1"	9/32"	.051" - .080"
1/4"	1-1/4"	9/32"	.051" - .080"
1/4"	1-1/2"	9/32"	.051" - .080"
5/16"	1-1/4"	11/32"	.051" - .080"
5/16"	1-1/2"	11/32"	.051" - .080"
3/8"	1-1/4"	13/32"	.051" - .080"
3/8"	1-1/2"	13/32"	.051" - .080"
1/2"	2"	17/32"	.051" - .080"





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## Concrete, Masonry Tapping Screws

### Combination Hex Washer and Phillips Flat Head Styles



- State-of-the-art thread angles for ease of installation and maximum holding power. Designed for today's structural concrete.
- CR-10 Coating offers high resistance to corrosion.
- Easily removable for temporary construction situations.
- Shear and tensile values second to none.
- Highest pull out value with least penetration.
- 1" penetration yields as much pull out value as 1 1/2" to 2" of penetration of any other brand.
- Made in the U.S.A.

Drill Bits		
Size	Part #	Use with 3/16" screws
5/32 x 3 1/2	532S	
5/32 x 4 1/2	532M	
5/32 x 5 1/2	532L	

Drill Bits		
Size	Part #	Use with 1/4" screws
3/16 x 3 1/2	316S	
3/16 x 4 1/2	316M	
3/16 x 5 1/2	316L	
3/16 x 6 1/2	316XL	
3/16 x 7 1/2	316XXL	

Size	Part # Hex Head	Part # Flat Head
3/16 x 1-1/4	H3-114	F3-114
3/16 x 1-3/4	H3-134	F3-134
3/16 x 2-1/4	H3-214	F3-214
3/16 x 2-3/4	H3-234	F3-234
3/16 x 3-1/4	H3-314	F3-314
3/16 x 3-3/4	H3-334	F3-334
3/16 x 4	H3-400	F3-400
1/4 x 1-1/4	*H4-114	*F4-114
1/4 x 1-3/4	*H4-134	*F4-134
1/4 x 2-1/4	*H4-214	*F4-214
1/4 x 2-3/4	*H4-234	*F4-234
1/4 x 3-1/4	H4-314	F4-314
1/4 x 3-3/4	H4-334	F4-334
1/4 x 4	H4-400	F4-400
1/4 x 5	H4-500	F4-500
1/4 x 6	H3-600	F4-600

\* Available in 18-8 Stainless Steel

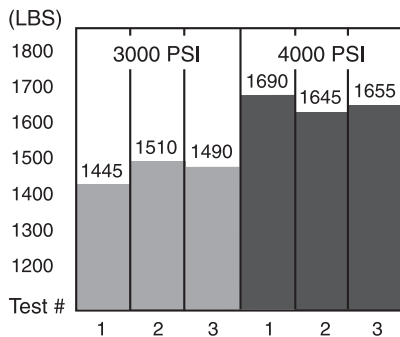
### Fastener Selection Guide

**POSI-SET™ tested in the lowest PSI Concrete and still yields twice the pull out value of the other brands.**

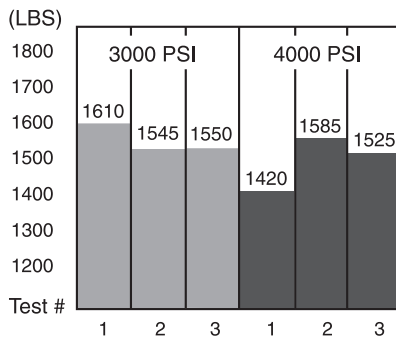
All fasteners tested were 1/4 diameter.  
A 3/16" drill bit was used.  
Embedment in concrete was 1".  
(See charts below.)

	A	B	C	Bit
	Attached Fixture	Depth of Drilled Hole	Length	Length
	0"-1/4"	1 -1/2"	1-1/4"	3-1/2"
	1/4"-3/4"	2"	1-3/4"	3-1/2"
	3/4"-1-1/4"	2 -2"	2-1/4"	4-1/2"
	1 1/4"-1-3/4"	3"	2-3/4"	4-1/2"
	1 3/4"-2-1/4"	3 -1/2"	3-1/4"	5-1/2"
	2 1/4"-2-3/4"	4"	3-3/4"	5-1/2"
	2 3/4"-3"	4 -1/4"	4"	5-1/2"

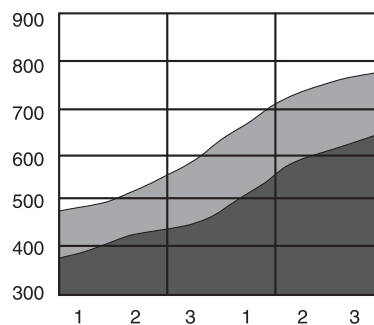
**IN CONCRETE**  
Pull Out Load-Pounds

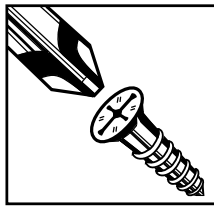


**SHEER STRENGTH**  
Shear Load-Pounds



**IN HOLLOW BLOCK**  
Pull Out (LBS)





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## All Weather Coarse Deck Screws

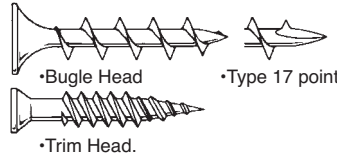
### Dacro Coated



- Use in fence, decks, wood siding, gazebos, or any exposed exterior application.

Size	Part #	Qty.	Wt.
6 x 1	C100D	10 M	31 lbs
6 x 1 1/4	C114D	8 M	30 lbs
6 x 1 5/8	C158D	5 M	24 lbs
6 x 2	C200D	3.5 M	21 lbs
8 x 2 1/2	C212D	2.5 M	25 lbs
8 x 3	C300D	2 M	23 lbs
10 x 3 1/2	C312D	1.5 M	27 lbs
10 x 4	C400D	1.5 M	32 lbs

### 302 Stainless Deck Screws

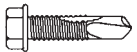


- #2 square drive.
- Best possible corrosion resistance.
- Large diameter prevents snapping.
- Especially good for cedar and redwood applications where Dacro coating may cause bleeding.

Size	Part #	Qty.	Wt.
8 x 1 1/4	DS114	5 M	28 lbs
8 x 1 5/8	DS158	4 M	29 lbs
8 x 2	DS200	3 M	25 lbs
10 x 2 1/2	DS212	2 M	25 lbs
10 x 3	DS300	1.5 M	23 lbs
10 x 3 1/2	DS312	1 M	18 lbs
10 x 4	DS400	1 M	21 lbs
7 x 1 5/8	TS158S	5 M	25 lbs
7 x 2 1/4	TS214S	3 M	21 lbs
8 x 3	TS300S	2 M	23 lbs

## Specialty Self-Drill Screws

### Hex Head Self-Drill



- #4 point. For metal to steel applications up to 3/8" thick.
- Zinc plated.
- Maximum drill capacity .375.

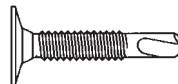
Size	Part #	Qty.	Wt.
12-24 x 7/8	1224078	5 M	48 lbs



- #5 point. For metal to steel up to 1/2" thick.
- Zinc plated.
- Maximum drill capacity .500.

Size	Part #	Qty.	Wt.
12-24 x 1 1/4	1224114	4 M	48 lbs
12-24 x 1 1/2	1224112	2 M	26 lbs
12-24 x 2	1224200	2 M	36 lbs

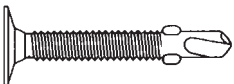
### Thin Wafer Plymetal Self-Drill



- Zinc plated #3 point. #2 Phil. Recess.
- For attaching plywood to metal. Good for flooring, and trailer bed applications.
- Maximum drill capacity .220.

Size	Part #	Qty.	Wt.
10-16 x 3/4	1016034	7 M	42 lbs
10-24 x 3/4	1024034	7 M	42 lbs
10-24 x 1	1024100	5 M	34 lbs
10-24 x 1 1/4	1024114	3.5 M	31 lbs
10-24 x 1 1/2	1024112	3 M	31 lbs

### Thin Wafer Plymetal Self-Drill With Wings



- Wings bore out and relieve wood chips before breaking off at metal.
- Zinc plated #3 point. #2 Phil. Recess.
- For attaching plywood to metal. Wings prevent plywood from climbing up threads.
- Maximum drill capacity .220.

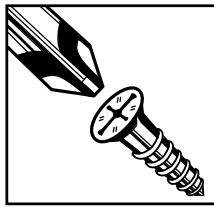
Size	Part #	Qty.	Wt.
10-24 x 1 7/16	1024176	4 M	37 lbs



- With shank slot and wings, #4 point.
- Zinc plated #3 Phil. Recess.
- For attaching wood to heavy gauge metal.
- Maximum drill capacity .375.

Size	Part #	Qty.	Wt.
12-24 x 2	FD12200	2 M	36 lbs
12-24 x 2 1/2	FD12212	1.5 M	29 lbs
1/4-20 x 2 3/4	FD14234	1 M	31 lbs
1/4-20 x 3	FD14300	1 M	34 lbs
1/4-20 x 3 1/4	FD14314	9 C	30 lbs
1/4-20 x 3 1/2	FD14312	5 C	19 lbs
1/4-20 x 3 3/4	FD14334	5 C	21 lbs





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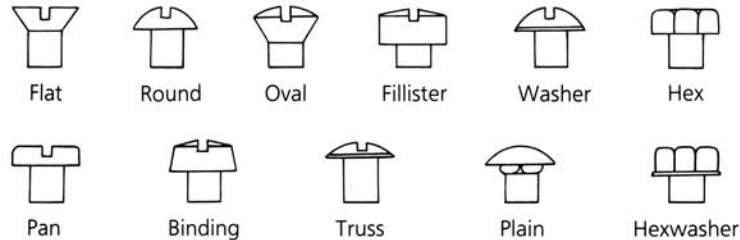
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## Machine Screws

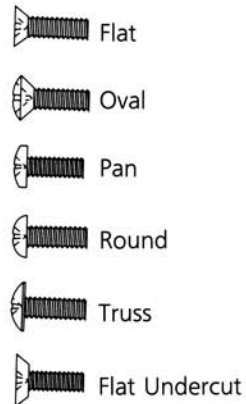
### Drives



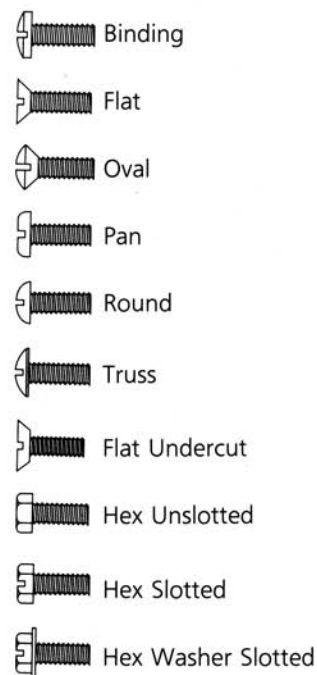
### Head Styles

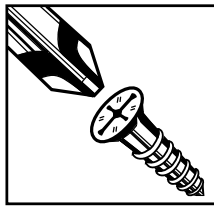


### Machine Screws - Phillips



### Machine Screws - Slotted

















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## Choosing and Using the Right Screw

 <p><b>Traditional</b>—The shape and design of the traditional wood screw has changed little over time. Some new versions use a Phillips drive. Although they require you to drill separate pilot and shank holes, many woodworkers still use the traditional screws in antique or reproduction pieces that call for matching hardware.</p>	 <p><b>Drywall, Deck</b>—These resemble production screws except for their bugle heads. Drywall screws have a black-oxide coating and often employ a double-lead thread. Deck screws come with a variety of anti-corrosion coatings. Drywall screws lack the strength of production screws. Both types also come with a smooth (unthreaded) upper shank.</p>
 <p><b>Production</b>—Originally designed for use in furniture factories and cabinet shops, these screws work well in solid wood and also provide excellent holding power in plywood, particle board, and medium-density fiberboard. The sharp threads help to prevent the wood from splitting, and the hardened steel shanks reduce breakage.</p>	 <p><b>Pocket Hole</b>—Combining a pan-style head with an auger-point tip on a production-style screw shaft yields a pocket-hole screw. The auger point helps prevent splitting when driving these screws into end grain. The flat bottom of the pan head helps to clamp the workpieces together by seating the screw tightly in the pocket hole.</p>












### Head Types

	<p><b>Flat</b>—The most common screw head type. Used for general fastening. Requires a countersink in workpiece.</p>
	<p><b>Trim</b>—Narrow-diameter head looks and acts like a finish nail. Eliminates the need for a countersink and counterbore.</p>
	<p><b>Oval</b>—Head projects above surface of workpiece for a decorative effect. Also prevents rough edges that occur when a flathead screw doesn't countersink perfectly flush.</p>
	<p><b>Bugle</b>—Tapered head snugs screw into the workpiece without requiring a countersink. Found on drywall and deck screws.</p>
	<p><b>Self-Sinking</b>—Nibs on the underside of the head cut the wood to create a countersink as the screw is driven. Use when the head will sit flush with the workpiece.</p>
	<p><b>Round</b>—Flat bearing surface under head distributes load evenly when attaching metal to wood. Some decorative uses.</p>
	<p><b>Round Washer</b>—Built-in washer under head distributes load over a wide area and helps hold soft, thin or brittle material.</p>
	<p><b>Pan/Truss</b>—Large, flat head allows some latitude in positioning hardware such as hinges and drawer slides. Also found on pocket-hole screws.</p>

### Production Screws (shown actual size)

Gauge		4	6	8	10	12	14
Head-Bore Size							
		7/32"	17/64"	11/32"	23/64"	7/16"	1/2"
Shank-Hole Size		Use Pilot-Hole Diameter Below					
Pilot-Hole Size	Hardwood	5/64"	7/64"	1/8"	9/64"	5/32"	3/16"
	Softwood	1/16"	3/32"	7/64"	1/8"	9/64"	5/32"
Phillips-Head Point Size		#1	#2			#3	
Square-Drive Bit Size		#0	#1	#2		#3	

### Traditional Wood Screws (shown actual size)

Gauge		2	3	4	5	6	7	8	9	10	12	14
Head-Bore Size												
		11/64"	13/64"	15/64"	1/4"	9/32"	5/16"	11/32"	23/64"	25/64"	7/16"	1/2"
Shank-Hole Size		3/32"	7/64"	7/64"	1/8"	9/64"	5/32"	11/64"	3/16"	13/64"	7/32"	1/4"
Pilot-Hole Size	Hardwood	1/16"	1/16"	5/64"	5/64"	3/32"	7/64"	7/64"	1/8"	1/8"	9/64"	5/32"
	Softwood	1/16"	1/16"	1/16"	1/16"	5/64"	3/32"	3/32"	7/64"	7/64"	1/8"	9/64"
Phillips-Head Point Size		#1			#2						#3	
Square-Drive Bit Size		#0			#1			#2			#3	