



VIKING

Industrial Center

Fastener, Safety & Strut Specialists

**Fasteners
& Strut**

ST PAUL

- 651-646-6374
- 800-328-6505

DULUTH

- 218-624-4851
- 800-232-1367

FOREST LAKE

- 651-756-8758
- 800-328-6505

2023

www.vikingindustrialcenter.com



Viking Industrial Center is a family-owned business that has served thousands of companies and customers since 1959. Viking started out in the heart of the Twin Cities by selling fastening tools and equipment for construction. Shortly thereafter we added a full line of safety products. The two product lines worked in tandem, providing a broad array of quality construction fastening and safety products at reasonable prices with personalized service. Finally, a full line of strut products was added.

Viking has three convenient Minnesota locations. Our St. Paul and Columbus stores service walk-in customers in the Twin Cities metro area and suburbs. Our Duluth location is easily accessible to customers in northern Minnesota and northwestern Wisconsin.

Our service representatives can visit you at your site.

Unable to stop in? Place your order online through our website. We have in-stock inventory ready to ship out immediately. If you don't see what you are looking for, please give us a call. We have a very knowledgeable customer service staff waiting to assist you!

We take pride in our company and enjoy giving advice on products and helping our customers find what is right for them and their situations. Please contact us with any questions about our company or our products.

Viking Industrial Center Offers Jobsite Service



Customer Service Centers

**Store Hours: 7:00 a.m. - 4:00 p.m.
Monday - Friday**

St. Paul
2550 Kasota Avenue
(800) 328-6505
Phone (651) 646-6374
Fax (651) 646-7546
info@vikingindustrialcenter.com

Forest Lake
9205 Lake Drive NE
(800) 328-6505
Phone (651) 756-8758
Fax (651) 797-2942
info@vikingindustrialcenter.com

Duluth
4730 Grand Avenue
(800) 232-1367
Phone (218) 624-4851
Fax (218) 624-4788
info@vikingindustrialnorth.com

PLEASE NOTE: No expressed or implied warranties are made in this catalog.

Specifications are subject to change without notice.

Please call Viking Industrial Center at 1-800-328-6505 for current product data.

TERMS OF SALE

Payment: Net 30 days from invoice date.

FOB: Shipping Point.

Transportation: We will determine the best methods for transportation unless specified in order.

Returned Goods: Goods may be returned for credit, exchange or replacement only with authorization and subject to inspection and restocking charge.

Special & Custom Items: Special order and custom-made items become the property of the buyer and ARE NON-RETURNABLE.

New Accounts: In order to expedite shipments to new accounts, payment in full must accompany order. We do not make COD shipments.

Prices: All prices are subject to change or withdrawal without prior notice.

Credit Cards: We accept for credit card purchases



NOTICE: There is a minimum purchase of \$10 per order.

As our valued customer, you expect us to supply quality merchandise from reputable manufacturers at a fair market price, to ship and invoice your orders as rapidly as possible and to service what we sell.

As your supplier, we expect you to pay all bills according to our invoice terms, give us a reasonable amount of time to process "Will Call" orders, allow sufficient lead time for special and custom-made items, and most important, to let us know if there is a problem of any kind.

Transportation of Hazardous Materials

A. Hazardous Materials cannot be shipped by air.

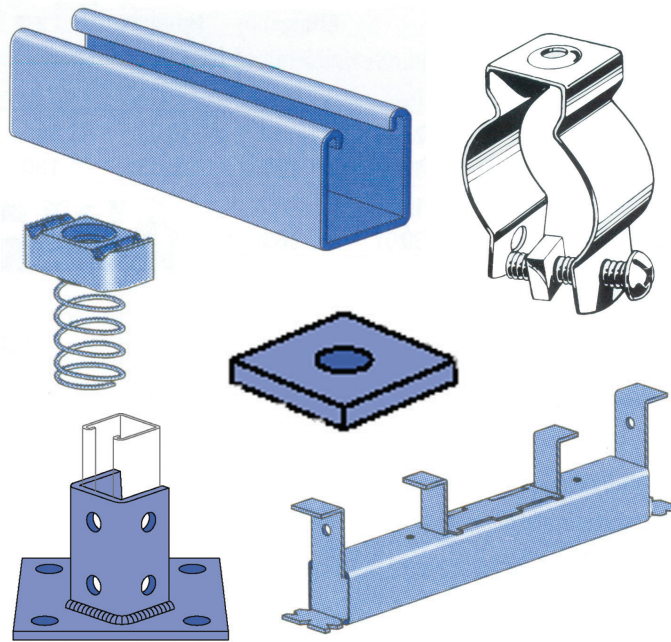
B. Hazardous Materials Shipped by UPS Ground Service require special processing and labeling and are subject to a special UPS handling charge.

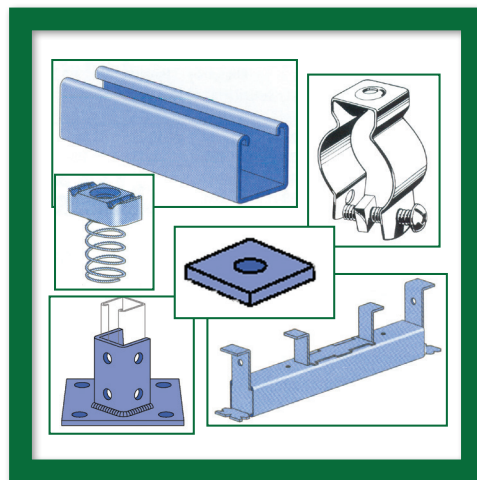
C. Customers will be notified if the product being ordered is considered hazardous material. Some of the most common items classified as hazardous by the DOT are: compressed air and oxygen (for breathing equipment), test gas kits and cylinders, fusee flares and dry chemical fire extinguishers. Other products may be included as the DOT regulates.

Contents

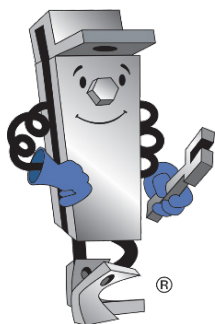
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Strut Products





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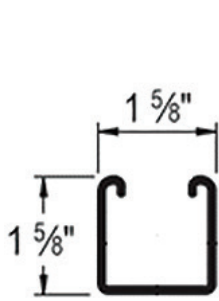
Strut products and hardware provide economical solutions for an unlimited range of applications in the construction industry.

From mechanical, electrical and general construction to light duty product displays, these engineered building and support system components can be customized to satisfy numerous solutions that are aesthetically pleasing as well as functional.

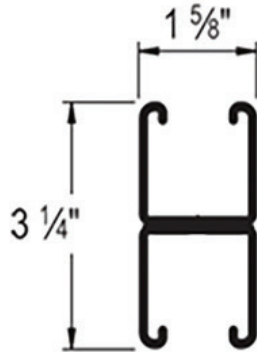
As, this is an overview of the products available, please call us for more information specific to your application needs.



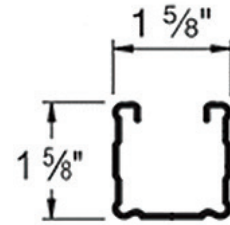
UNISTRUT® Channel Series Selection Guide



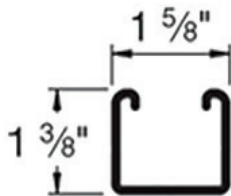
P1000
(12 ga)



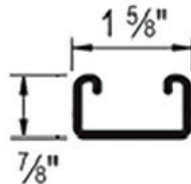
P1001
(12 ga)



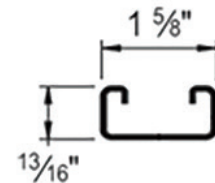
P1100
(14 ga)



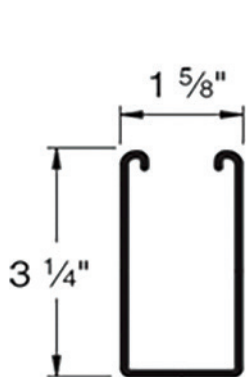
P3000
(12 ga)



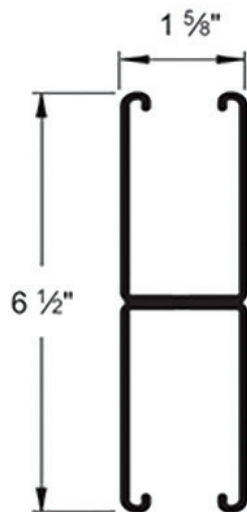
P3300
(12 ga)



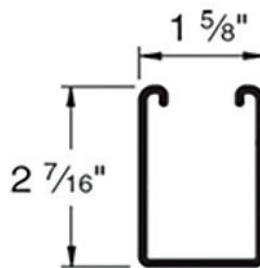
P4100
(14 ga)



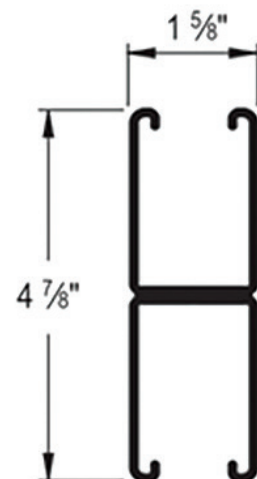
P5000
(12 ga)



P5001
(12 ga)



P5500
(12 ga)



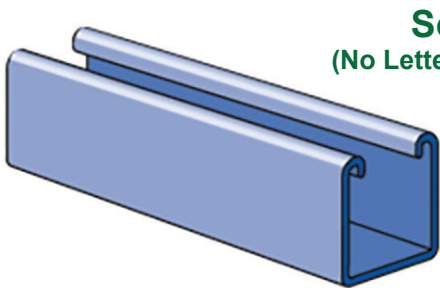
P5501
(12 ga)

Part Numbers

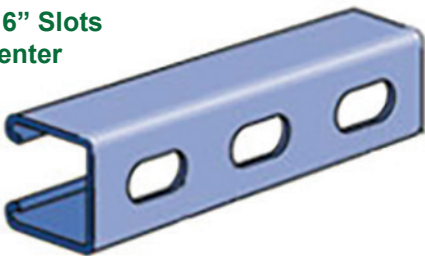
To Order: [Series] + [Hole Pattern] + [Finish] + [Length]

P1000 + T + GR + 10 = P1000TGR10

Hole Patterns

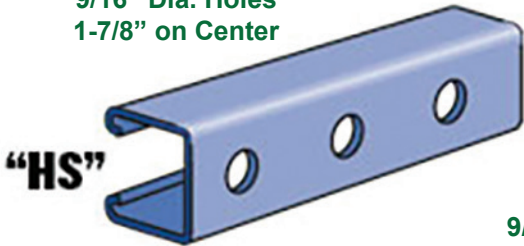


Solid
(No Letter Notation)

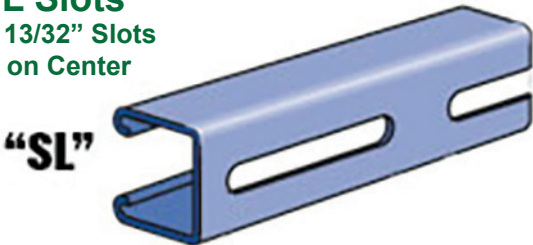


'T'Slot
1-1/8" x 9/16" Slots
2" on Center

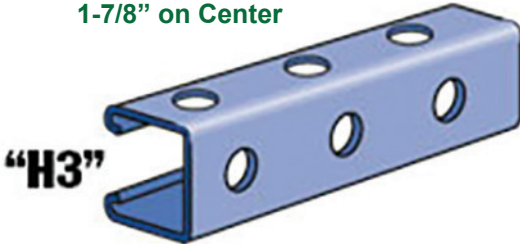
HS Holes
9/16" Dia. Holes
1-7/8" on Center



SL Slots
3" x 13/32" Slots
4" on Center



H3 Holes
9/16" Dia. Holes
1-7/8" on Center



Finish

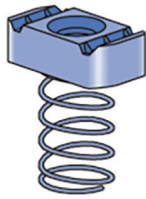
Green	GR
Pre-Galv	PG
Plain	PL
Hot-Dip Galv	HG
Defender	DF
Aluminum	EA
304SS	SS
316SS	ST

Lengths

10ft & 20ft Stock
(Not all channel stocked in 10 ft)

Can be cut to length
(Must purchase in full 10 ft or 20ft lengths)

Channel Nuts

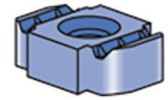


Spring Nuts

[For use with P1000, P1100, P3000 Series Channel]

Size	ISC	Unistrut
1/4-20	I1032	P1006-1420EG
5/16-18	I1033	P1007EG
3/8-16	I1034	P1008EG
1/2-13	I1035	P1010EG
5/8-11	I1036	P1012SEG
3/4-10	I1037	P1023SEG

Long Spring nuts available for use with P5000, P5500 Series Channel



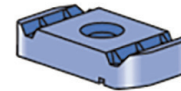
Channel Nuts w/o Spring

[For use with P1000, P1100, P3000, P5000, P5500 Series Channel]

Size	ISC	Unistrut
1/4-20	I1132	P3006-1420EG
5/16-18	I1133	P3007EG
3/8-16	I1134	P3008EG
1/2-13	I1135	P3010EG
5/8-11	I1136	P1012EG
3/4-10	I1137	P1023EG

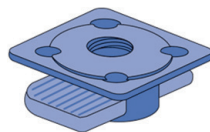
Thin Channel Nuts

[For use with P3300, P4100 Series Channel]



Size	ISC w/Spring	ISC w/o Spring	Unistrut w/Spring	Unistrut w/o Spring
1/4-20	I1232	I1032	I4006-1420EG	P3006-1420EG
5/16-18	I1233	I1033	P4007EG	P3007EG
3/8-16	I1234	I1034	P4008EG	P3008EG
1/2-13	I1235	I1335	P4010EG	P3013EG

Kwik Washer



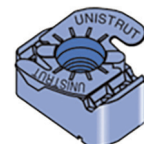
Size	Unistrut
1/4-20	K1062EG
3/8-16	K1063EG
1/2-13	K1064EG



Stud Nuts

Special Order Only

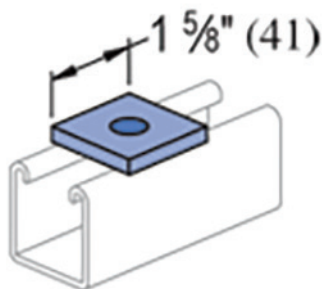
Easy Grip / Top Nut



Limited Availability

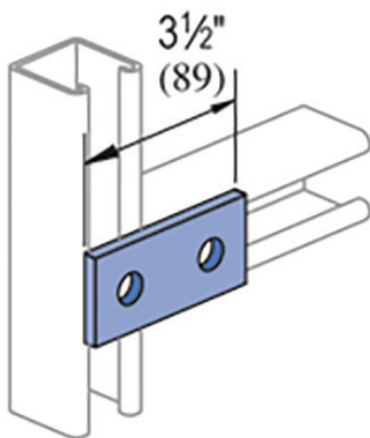
Square Washers & Flat Plate Fittings

Square Washer



Size	ISC	Unistrut
1/4	I2003	P1062EG
3/8	I2004	P1063EG
1/2	I2005	P1064EG
5/8	I2006	P1964EG
3/4	I2007	P2471EG
7/8	I2008	P2490EG

2 Hole Splice

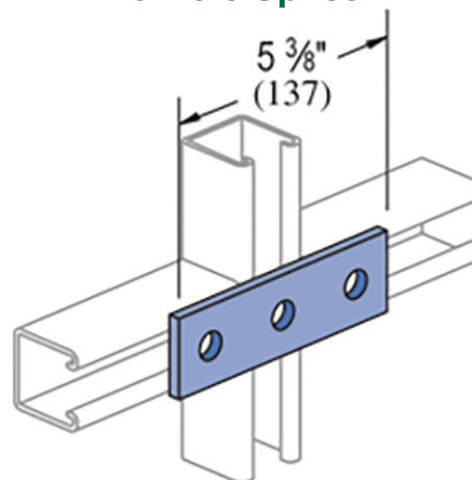


I2011

P1065EG

Flat Plates

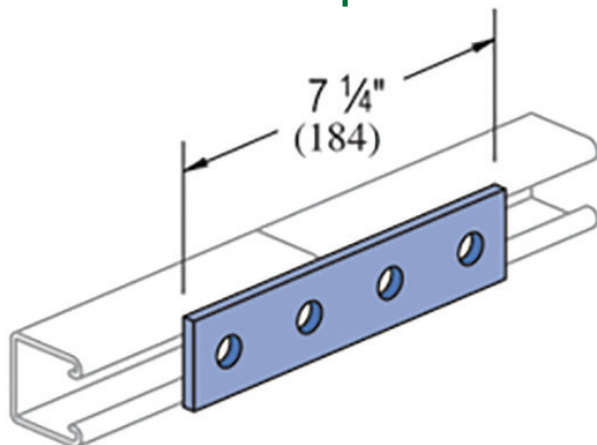
3 Hole Splice



I2017

P1066EG

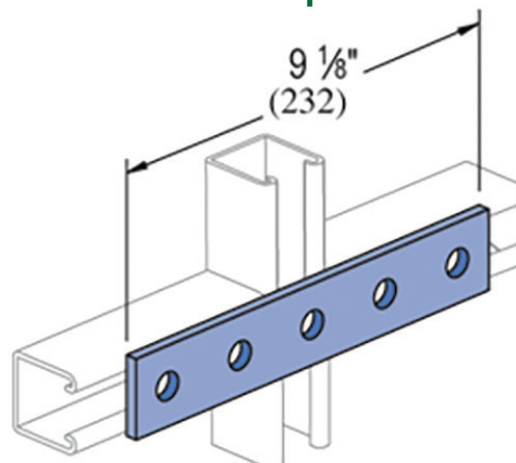
4 Hole Splice



I2023

P1067EG

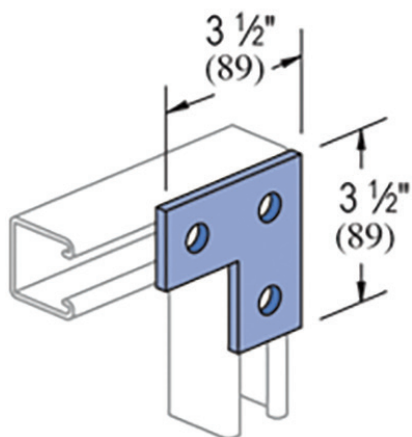
5 Hole Splice



I1941

P1941EG

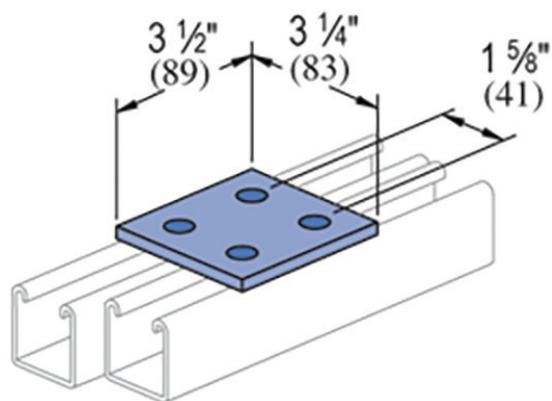
3 Hole Flat Corner



I2037

P1036EG

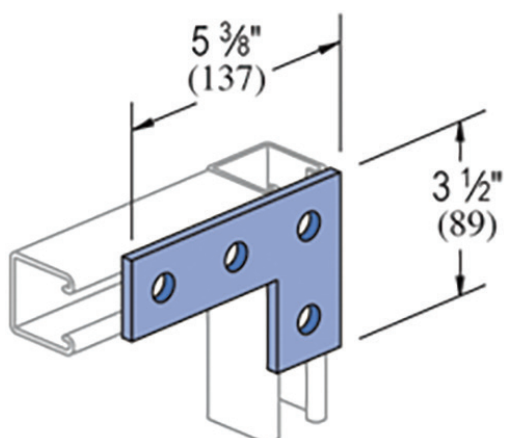
4 Hole Square Plate



I2079

P2079EG

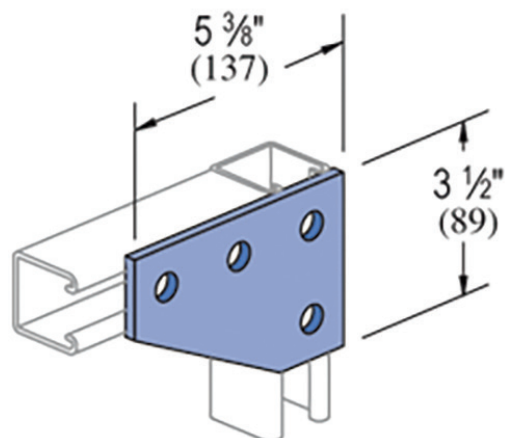
4 Hole Flat Corner



I2038

P1380AEG

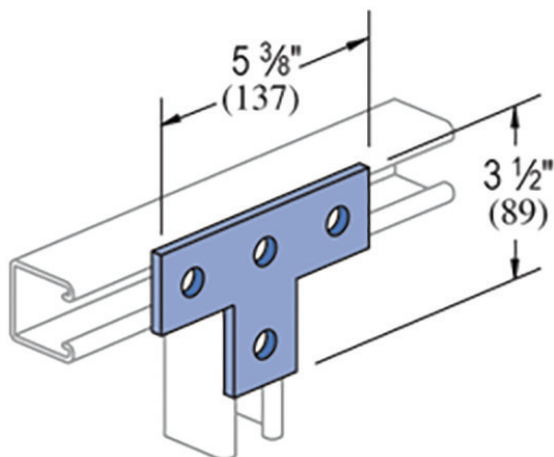
4 Hole Flat Gusset



I2063

P1380EG

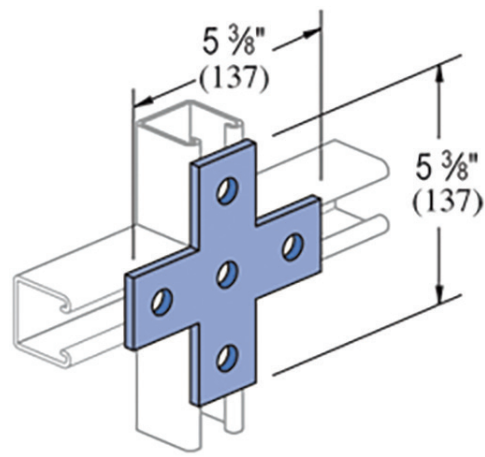
4 Hole Flat Tee



I2042

P1031EG

5 Hole Flat Cross

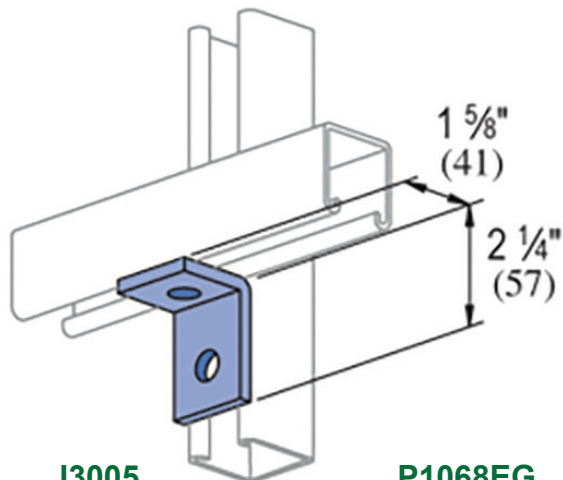


I2047

P1028EG

Angle Fittings

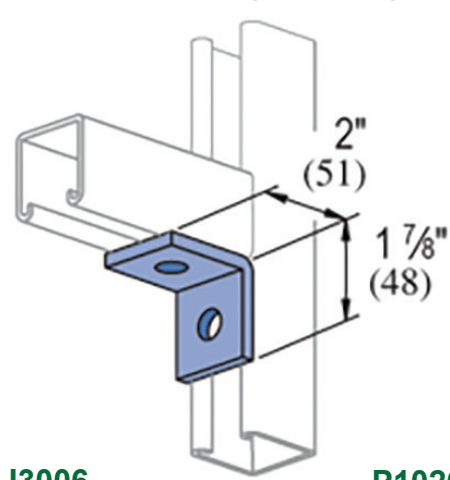
Hole 90-degree Angle



I3005

P1068EG

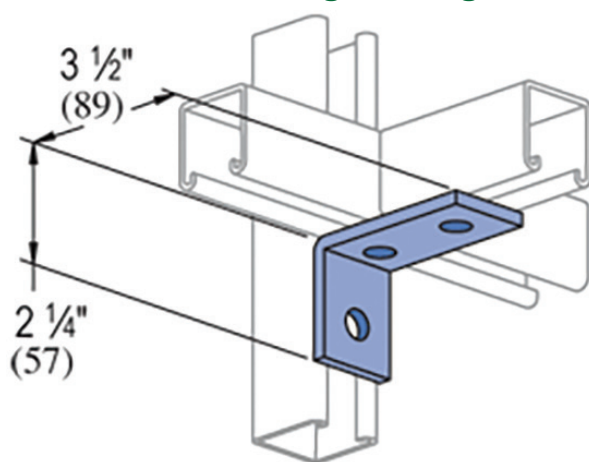
2 Hole 90-degree Angle



I3006

P1026EG

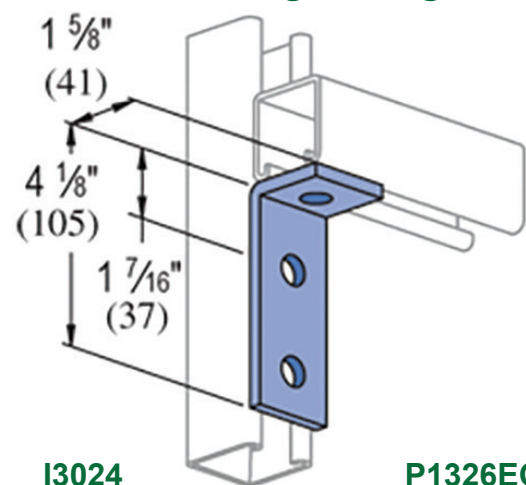
3 Hole 90-degree Angle



I3023

P1458EG

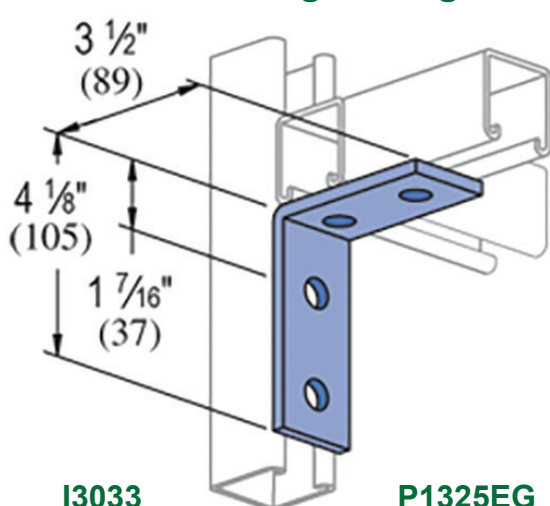
3 Hole 90-degree Angle



I3024

P1326EG

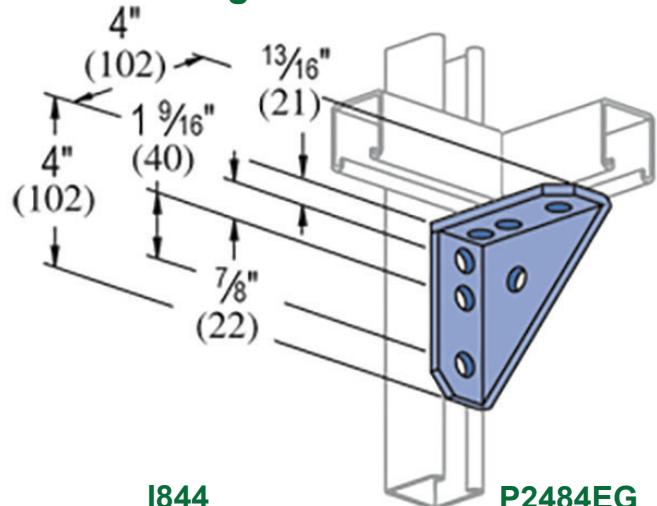
4 Hole 90-degree Angle



I3033

P1325EG

90-degree Corner Gusset

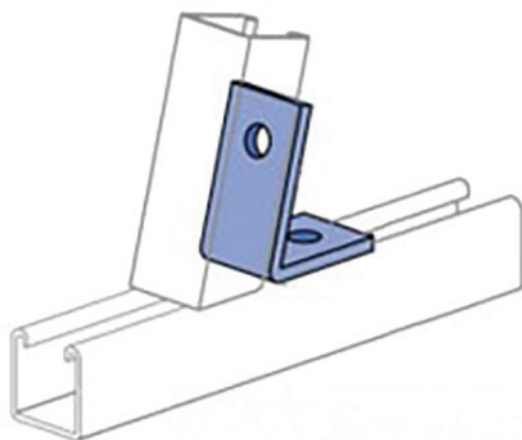
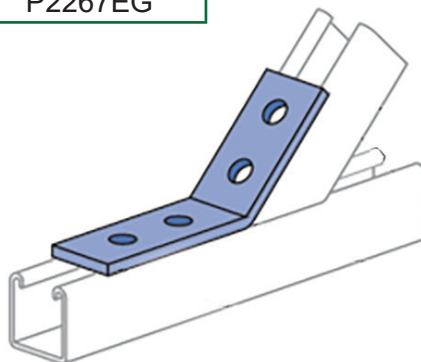
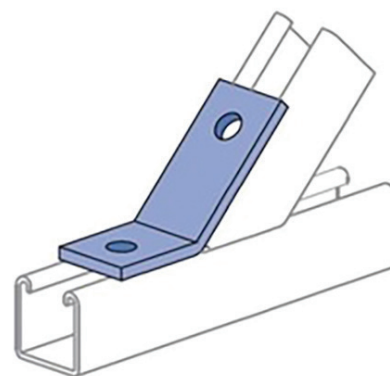


I844

P2484EG

Open Angles

Angle	Holes	ISC	Unistrut
30°	2	I3113*	P2101EG
	4	I3134*	P2263EG
45°	2	I3111*	P1546EG*
	4	I3132*	P2265EG*
60°	2	I3110*	P2097EG
	4	I3130	P2267EG



Closed Angles

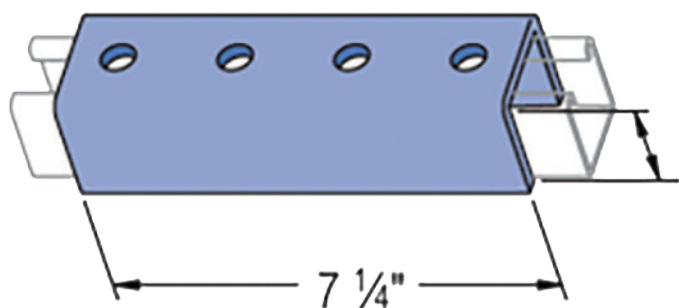
Angle	Holes	ISC	Unistrut
45°	2	I3121*	P1186EG*
	4	I3140*	N/A
60°	2	I3119*	P2108EG
	4	I3138	N/A

*Denotes regular stock item.

Other angles are available and can be special ordered.

'U' and 'Z' Fittings

4 Hole 'U' Splice

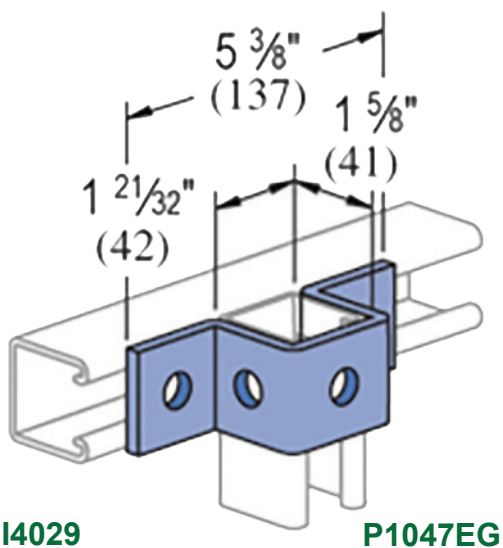


I4010

P1377EG

*Other configurations
available
Please contact us!*

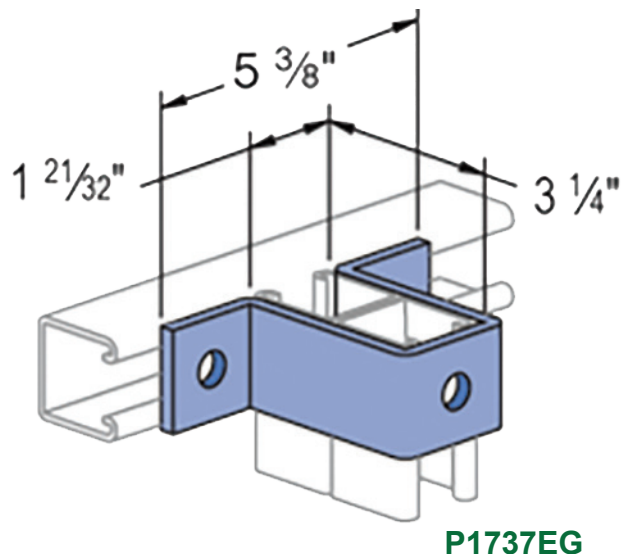
'U' Shape Saddle



I4029

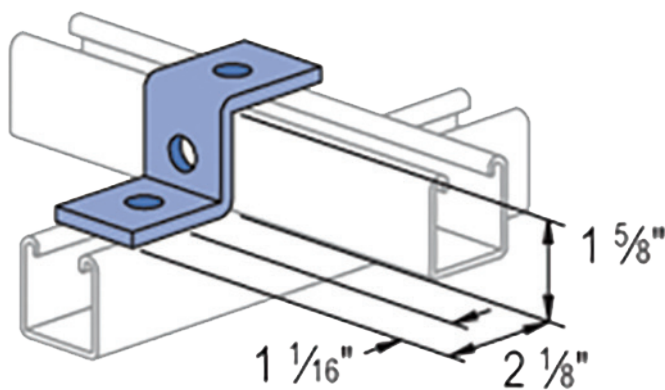
P1047EG

'U' Shape Saddle



P1737EG

2/3 Hole 'Z'

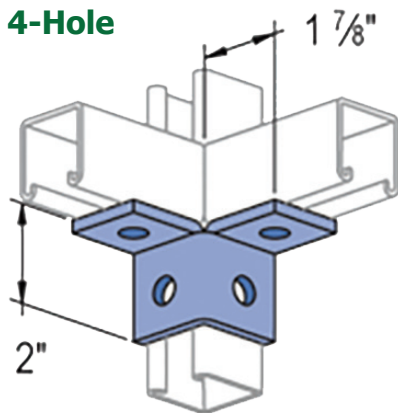


I4044

P1045EG

Wing Fittings

4-Hole

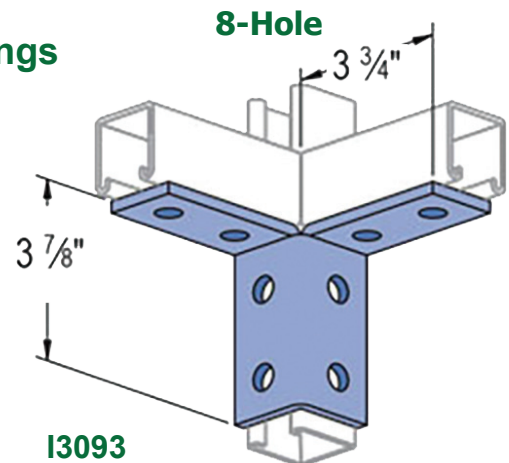


I3087

P2223EG

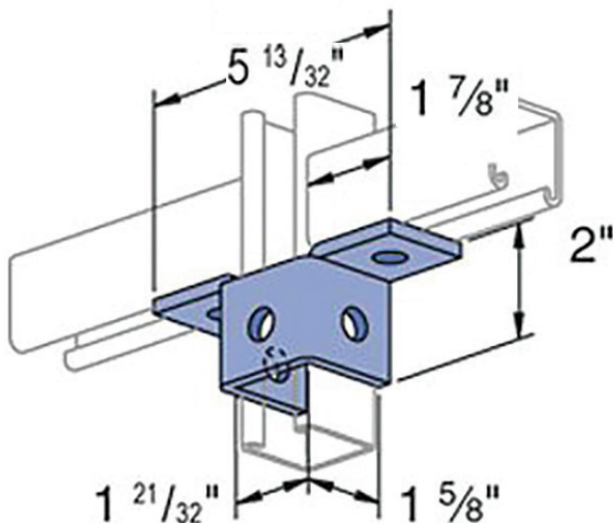
Corner Wing Fittings

8-Hole



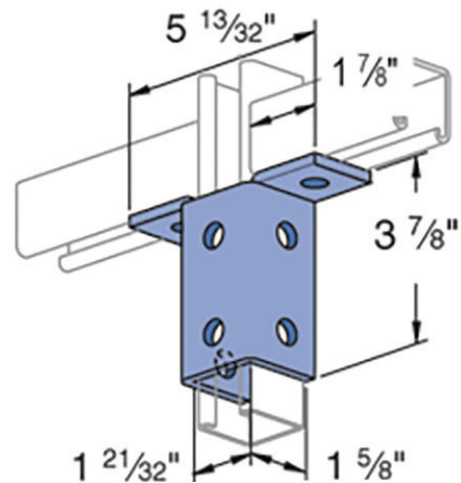
I3093

2-Way Continuous Wing Fittings



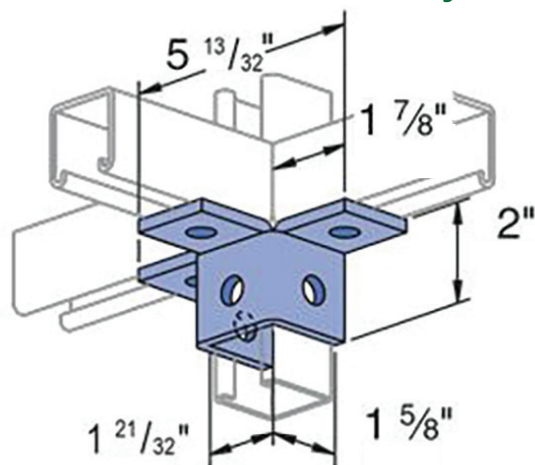
I3081

P2345EG

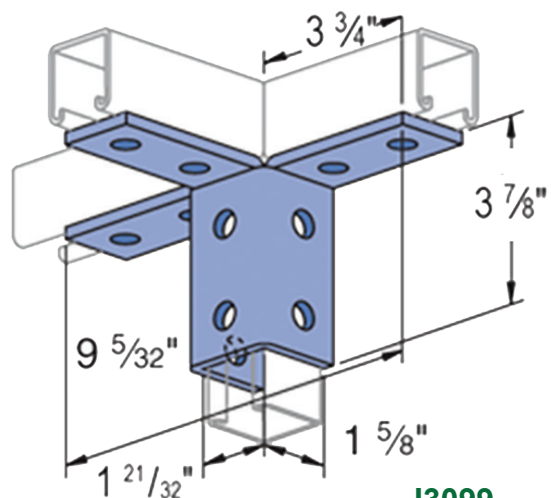


P2346EG

3-Way Continuous Wing Fittings



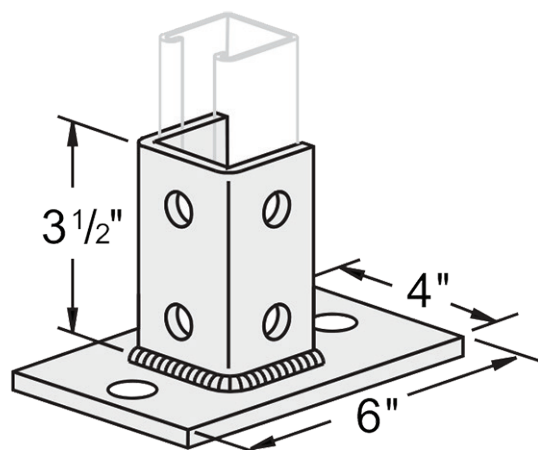
I3096



I3099

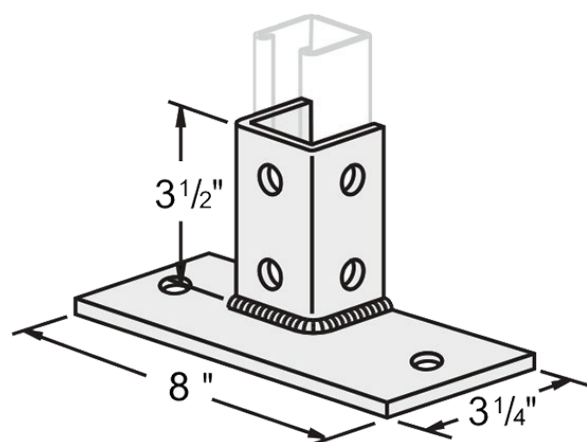
Post Bases

Single Column Post Base
(2-hole base)



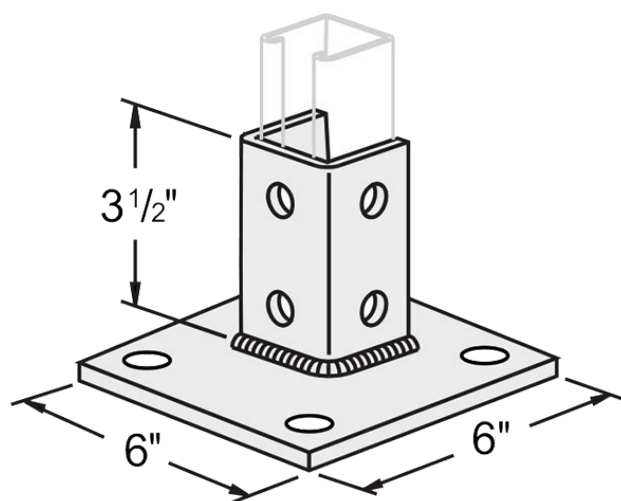
I2942

Flush Mount Post Base
(2-hole base)



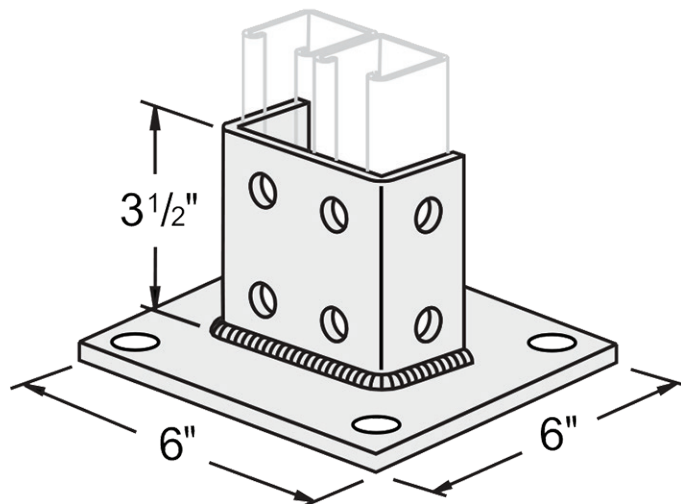
I5305

Single Column Post Base
(4-hole base)



I5205

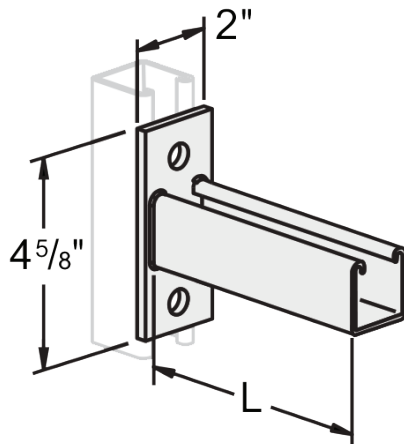
Double Column Post Base
(4-hole base)



I5213

UNISTRUT bases available upon request

Brackets & Braces



Single Channel Shelf Brackets

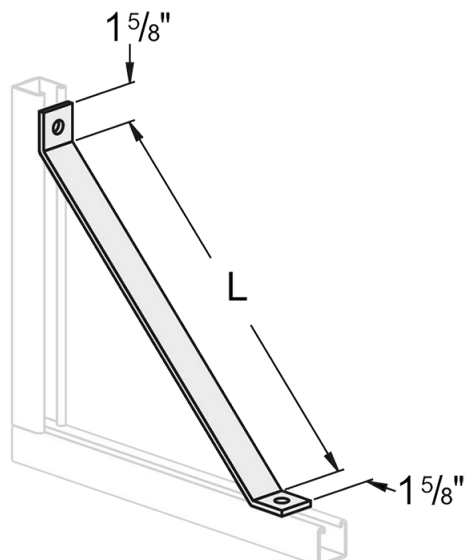
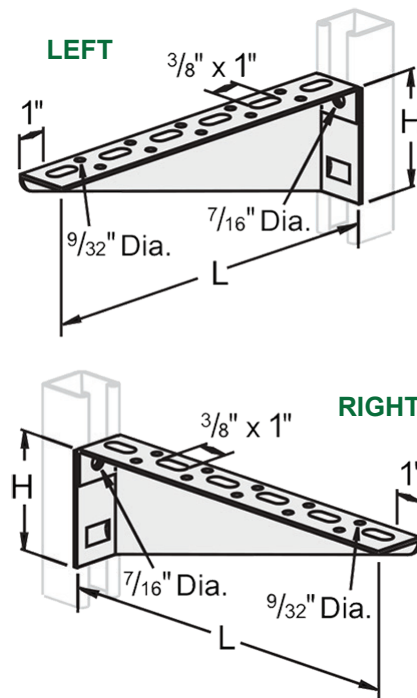
Length	ISC	Load
12"	I5030	600 lbs
18"	I5031	400 lbs
24"	I5032	300 lbs

Slotted Shelf Brackets

Sizes 6" - 30" available
L or R Orientation

Typical P/N **I5065 (L / R)**

UNISTRUT Typically Special Order

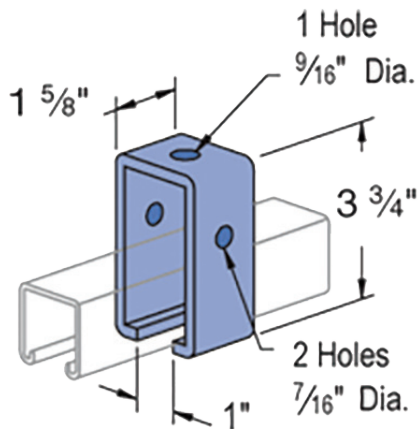


Knee Braces

Length	ISC
12"	I5099-12
16-5/8"	I5099-16
24"	I5099-24

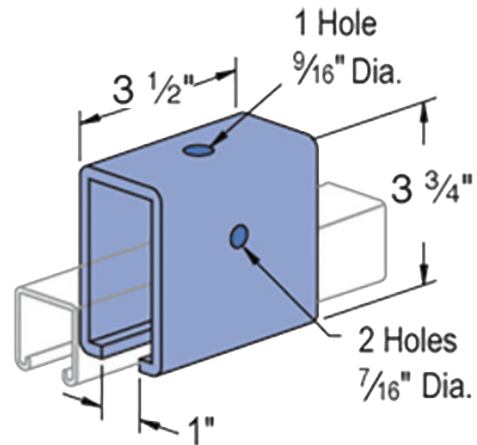
Trolleys

Trolley Channel Support



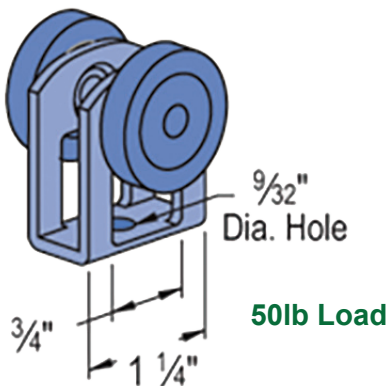
P1834EG

Trolley Channel Splice



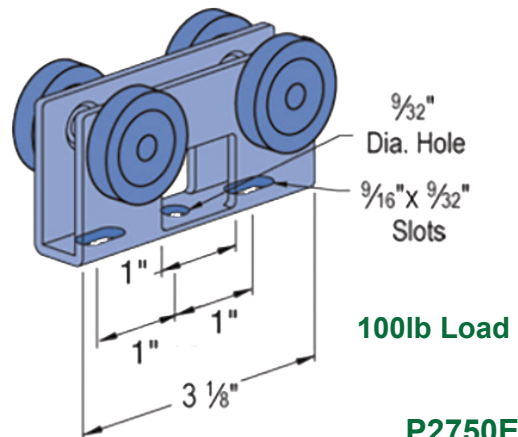
P1834AEG

Light Duty 2-Wheel



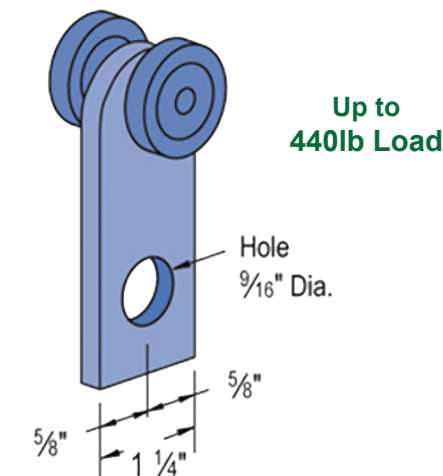
P2749EG

Light Duty 4-Wheel



P2750EG

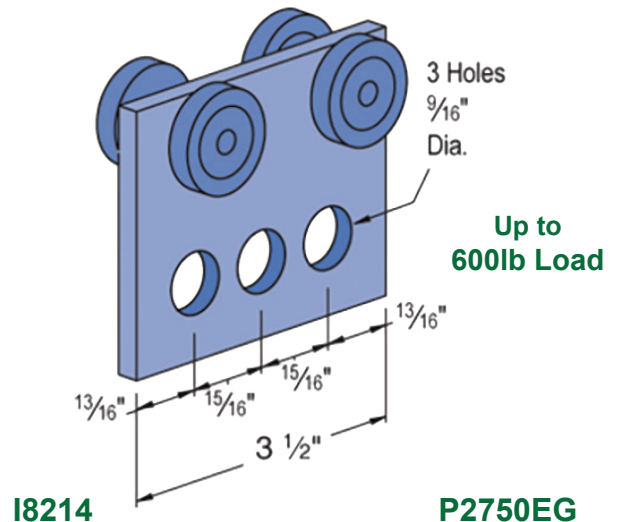
Heavy Duty 2-Wheel



I8213

P2949EG

Heavy Duty 4-Wheel

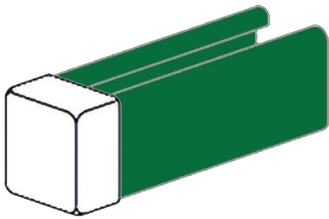


I8214

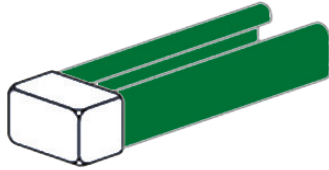
P2750EG

End Caps & Closures

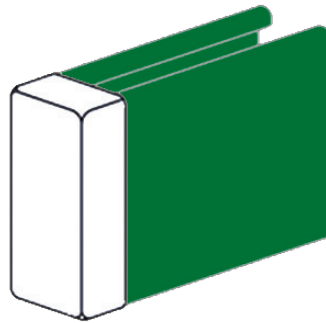
White Vinyl End Caps



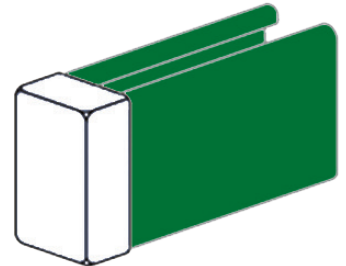
P2860-10



P2860-33

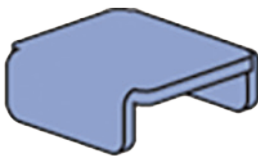


P2860-50



P2860-55

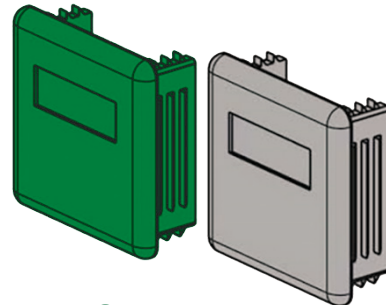
Steel End Caps



P207 or I9023
for P1000 Series Channel

P3280
for P3000 Series Channel

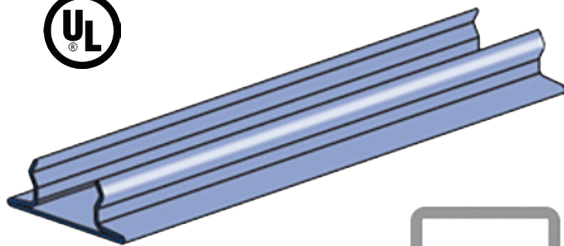
Polyurethane End Caps



B825-22GRN
(Green)

B825-22GRY
(Gray)

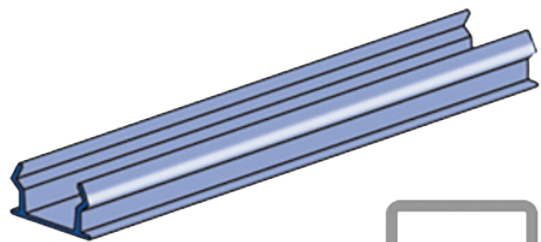
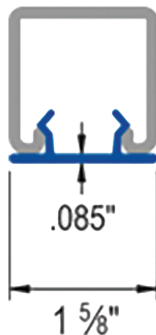
Closures



P3184P

G.E. Noryl® Plastic
Available Colors
White (WH)
Gray (GY)
Green (GR)

Standard Length is 10 ft

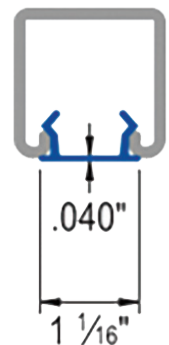


P3712P

Plastic
Black Color Only

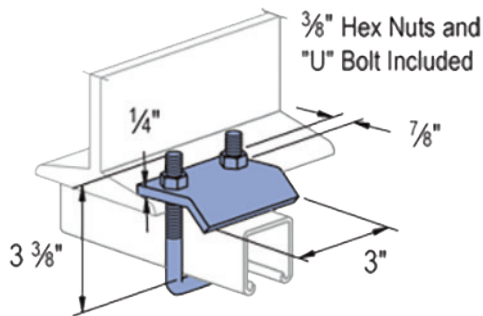
Standard Length is 10 ft

(Use with P3170, P3270 and
P3370 Series Concrete Insert)



Beam Clamps

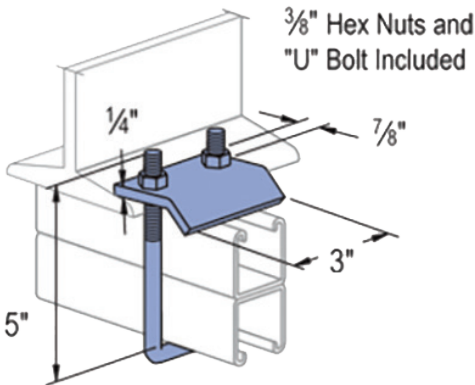
U-Bolt 1-5/8" Channel



I6030

P2785EG

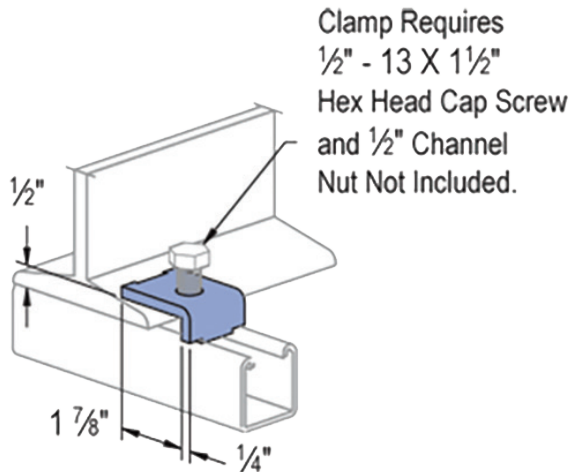
U-Bolt 3-1/4" Channel



I6031

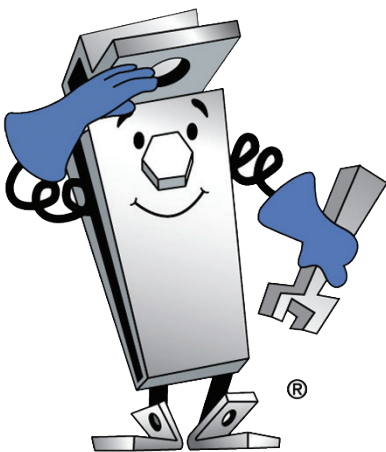
P2786EG

Tab Style

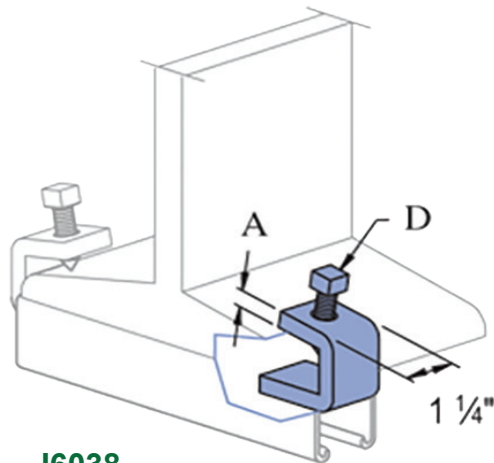


I6001

P1386EG

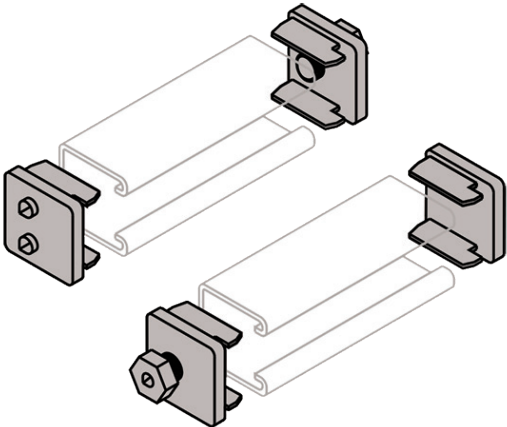


C-Clamp



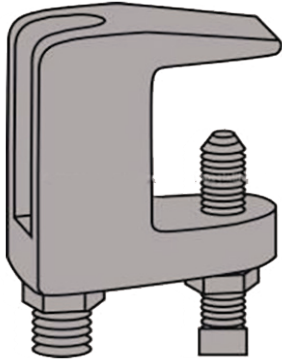
I6038

Beam Spreader



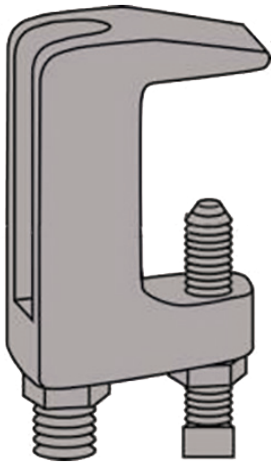
I6046

Universal Beam Clamps



Rod Size	Plain	EG (Zinc)	Load
3/8	IG3538P	IG3538Z	350 Lbs
1/2	IG3550P	IG3550Z	470 Lbs
5/8	IG3562P	IG3562Z	550 Lbs
3/4	IG3575P	IG3575Z	700 Lbs
For use w/Flange up to 3/4" thickness			

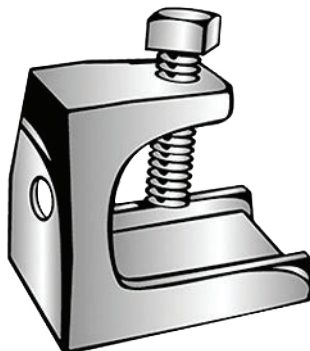
Universal Wide Mouth Beam Clamps



Rod Size	Plain	EG (Zinc)	Load
3/8	IG35WM38P	IG35WM38Z	500 Lbs
1/2	IG35WM50P	IG35WM50Z	950 Lbs
For use w/Flange up to 1-1/4" thickness			

Other Beam Clamps

(1/4" and heavier duty)

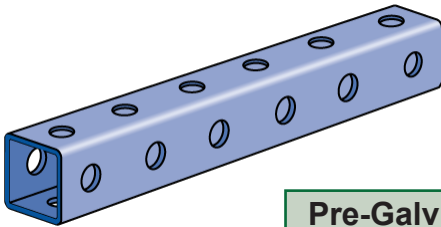


Rod Size	P / N	Load
1/4	MIN600	75 Lbs
1/4	MIN700	275 Lbs
3/8	MIN702	750 Lbs



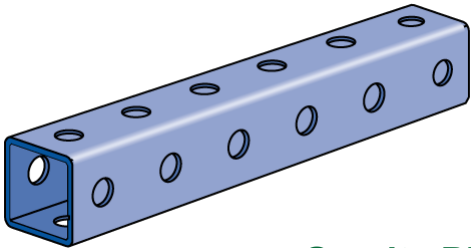
TeleStrut

P9000
1-5/8 OD Square Tube

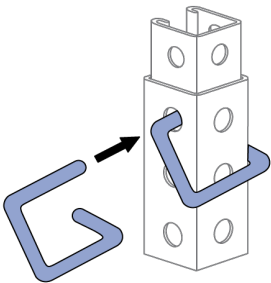


Pre-Galv (PG)	Length
P9000PG10	10 FT
P9000PG20	20 FT
P9200PG10	10 FT
P9200PG20	20 FT

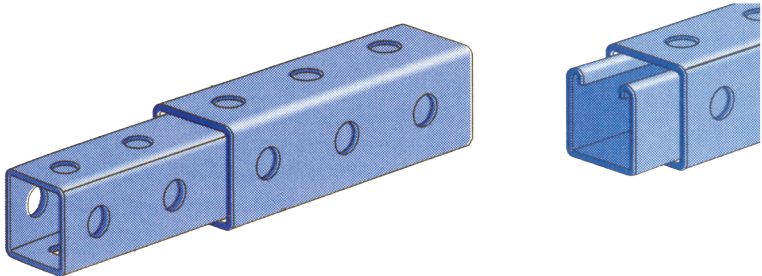
P9200
1-7/8 OD Square Tube



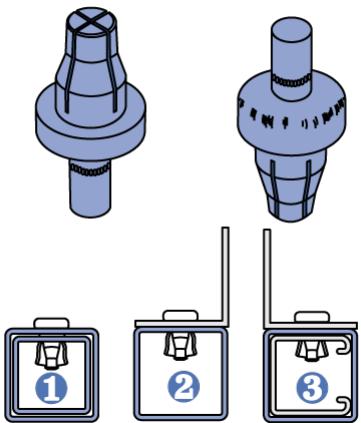
Gravity Pin



P9209EG

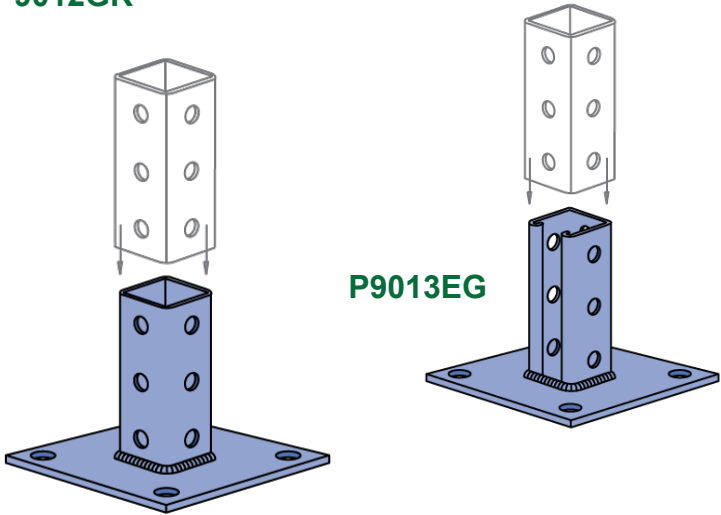


Multi-Grip Rivet
P9010EG



4-Hole Post Base

P9011GR
P9012GR



P9013EG

TeleSpar



* 24 Ft Stock Lengths

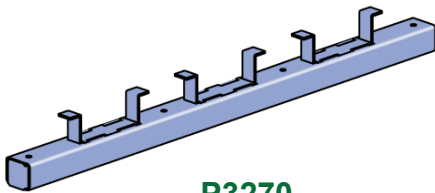
* Perforated (with Holes) in Stock

* Solid (no holes) Special Order Only

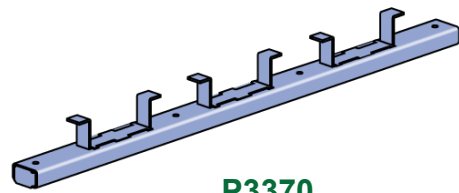
Solid (no holes)	Size	Finish
TL14F1024PG	1½" x 1½"	Pre-Galv
TL14F1024PL	1½" x 1½"	Plain
TL16F1024PG	1¾" x 1¾"	Pre-Galv
TL16F1024PL	1¾" x 1¾"	Plain
TL20F1024PL	2" x 2"	Plain
TL20F1024PG	2" x 2"	Pre-Galv
TL22F1024PL	2¼" x 2¼"	Plain
TL24F1024PG	2½" x 2½"	Pre-Galv
TL24F1024PL	2½" x 2½"	Plain

Perforated (w/holes)	Size	Finish
TL14F1224PG	1½" x 1½"	Pre-Galv
TL14F1224PL	1½" x 1½"	Plain
TL16F1224PG	1¾" x 1¾"	Pre-Galv
TL16F1224PL	1¾" x 1¾"	Plain
TL20F1224PL	2" x 2"	Plain
TL20F1224PG	2" x 2"	Pre-Galv
TL21H1224PG	23/16" x 23/16"	Pre-Galv
TL22F1224PL	2¼" x 2¼"	Plain
TL24F1224PG	2½" x 2½"	Pre-Galv
TL24F1224PL	2½" x 2½"	Plain

Concrete Inserts

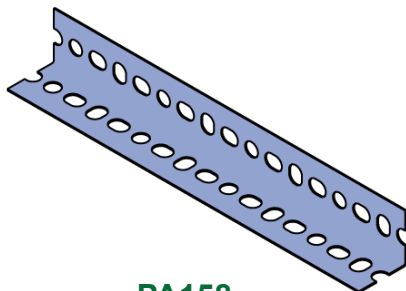


P3270

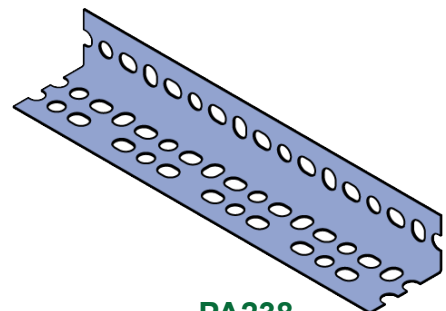


P3370

Prime Angle



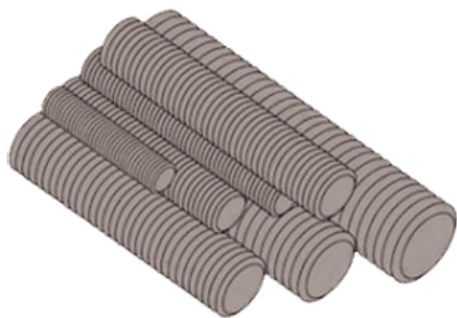
PA158



PA238

Threaded Rod & Accessories

Threaded Rod



A307 GrA Zinc (TR•ZP)

Rod Size	P / N	Load
1/4-20	TR2520-06ZP	—
5/16-18	TR3118-06ZP	—
3/8-16	TR3816-06ZP	730 Lbs
1/2-13	TR5013-06ZP	1350 Lbs
5/8-11	TR6211-06ZP	2160 Lbs
3/4-10	TR7510-06ZP	3230 Lbs
7/8-09	TR8709-06ZP	4480 Lbs
1-08	TR9100-06ZP	5900 Lbs

Most sizes available in 6ft, 10ft & 12ft stock lengths.

Other sizes greater than 1in. are available and can be special ordered.

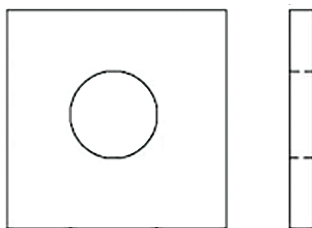
Hot-Dip Galvanized (TR•G), 304SS (TR•SS), High Tensile Gr B7 (TR•B7) also available.

Coupling Nuts



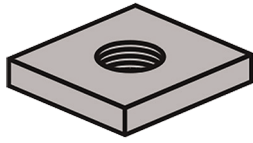
Thread	Size	P / N
1/4-20	7/16" x 1 3/4"	CN025L
5/16-18	1/2" x 1 3/4"	CN031L
3/8-16	9/16" x 1 3/4"	CN038L
1/2-13	11/16" x 1 3/4"	CN050L
5/8-11	3/16" x 2 1/8"	CN062L
3/4-10	1" x 2 1/4"	CN075L
7/8-09	1 1/4" X 2 1/2"	CN087L
1-08	1 3/8" X 2 3/4"	CN100L
Standard Zinc, HDG & SS available Reducers and short lengths by special order		

Washer Plates



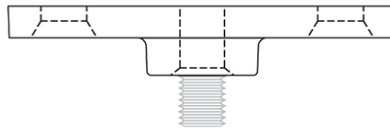
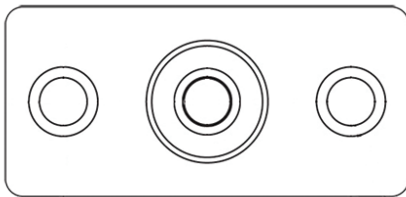
Size	Plain	HDG
1/2 2"x2"x 0.195"	WP50P	WP50G
5/8 2"x2"x0.25"	WP62P	WP62G
3/4 2"x2"x0.25"	WP75P	WP75G

Square Nuts



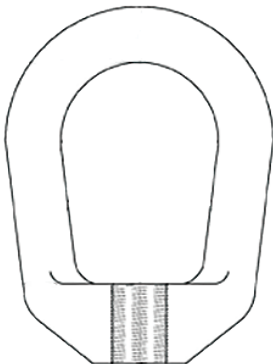
Size	Plain
1/4 - 20	G9240EG
3/8 - 16	G9241EG
1/2 - 13	G9242EG

Malleable Wall Plates



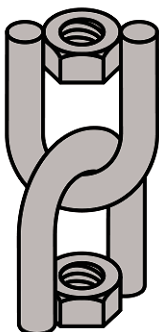
3 / 8 Rod	
P85EG	Zinc
P85CT	Copper
P85PL	Plain

Forged Eye Nuts (Plain Finish)



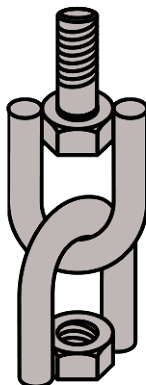
Size	P / N	Load
3/8-16	P27938	730 Lbs
1/2-13	P27950	1350 Lbs
5/8-11	P27962	2160 Lbs
3/4-10	P27975	3230 Lbs

Swivel Rod Fittings



F / F

600 Lbs

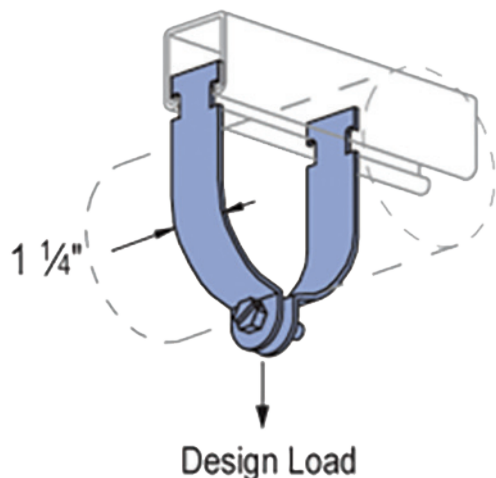


M / F

Size	P / N
3/8-16 M/F	I6019
3/8-16 F/F	I6021
1/2-13 M/F	I6020
1/2-13 F/F	I6022

Pipe Supports

Strut Pipe Clamps

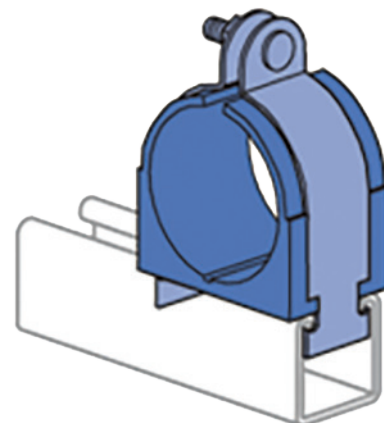


Typical finish Electro-galvanized (EG).

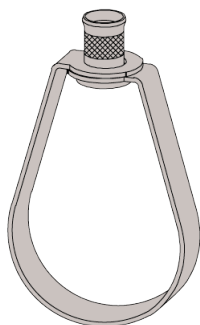
3-1/2Clamps for Rigid Pipe/Conduit, PVC			
NPS(in.)	O.D.(in.)	Unistrut	ISC
1/2	.840	P1111	I7002
3/4	1.050	P1112	I7003
1	1.315	P1113	I7004
1-1/4	1.660	P1114	I7005
1-1/2	1.900	P1115	I7006
2	2.375	P1117	I7007
2-1/2	2.875	P1118	I7008
3	3.500	P119	I7009
3-1/2	4.000	P1120	I7010
4	4.500	P1121	I7111

Please make inquiries regarding the availability of:

- Sizes for larger pipe
- Thin wall EMT clamps
- O.D. Tubing Size clamps
- Copper Tubing clamps
- Cushion clamps

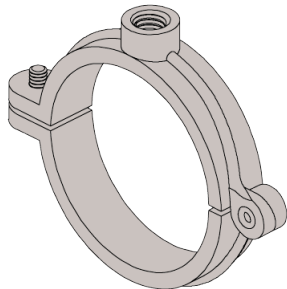


Swivel Ring Band Hangers



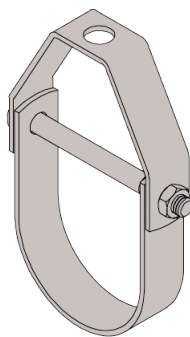
NPS(in.)	P / N	Load	CT Size	P / N
1/2	P800N050	300 Lbs	1/2	P800CT050
3/4	P800N075	300 Lbs	3/4	P800CT075
1	P800N100	300 Lbs	1	P800CT100
1-1/4	P800N125	300 Lbs	1-1/4	P800CT125
1-1/2	P800N150	300 Lbs	1-1/2	P800CT150
2	P800N200	300 Lbs	2	P800CT200
2-1/2	P800N250	525 Lbs	2-1/2	P800CT250
3	P800N300	525 Lbs	3	P800CT300
3-1/2	P800N350	525 Lbs	—	—
4	P800N400	650 Lbs	—	—
5	P800N500	1000 Lbs	—	—

Split Ring Hagers



NPS(in.)	P / N	Load	CT Size	P / N
1/2	P81050	180 Lbs	1/2	P81CT050
3/4	P81075	180 Lbs	3/4	P81CT075
1	P81100	180 Lbs	1	P81CT100
1-1/4	P81125	180 Lbs	1-1/4	P81CT125
1-1/2	P81150	180 Lbs	1-1/2	P81CT150
2	P81200	180 Lbs	2	P81CT200

Clevis Hangers



Generally ordered specific to the job.

Finishes available in

- Plain (PL)
- Electro-Galv (EG)
- Hot-Dip Galv (HG)

Please contact us on availability of stock.

Conduit Hangers

Single Hanger



1-Hole Jiffy Clip



2-Hole Strap



NPS(in.)	Single Hanger	1-Hole Jiffy Clip	2-Hole Strap
1/2	P800N050	300 Lbs	1/2
3/4	P800N075	300 Lbs	3/4
1	P800N100	300 Lbs	1
1-1/4	P800N125	300 Lbs	1-1/4
1-1/2	P800N150	300 Lbs	1-1/2
2	P800N200	300 Lbs	2
2-1/2	P800N250	525 Lbs	2-1/2
3	P800N300	525 Lbs	3
3-1/2	P800N350	525 Lbs	—
4	P800N400	650 Lbs	—

Rooftop Supports



Pipe Pier Foam Blocks

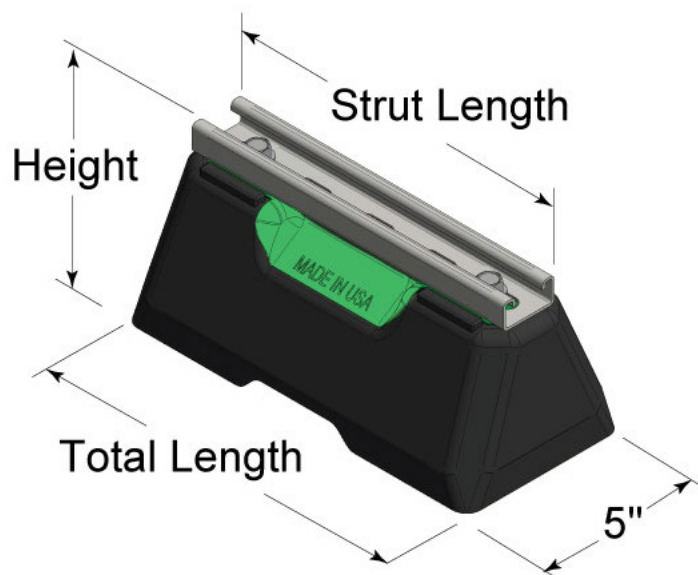
50 Lb Load Capacity

PP410

**RSB - Support With
3/16" Pre-Galv.
14 Gauge Steel Channel**

1000 Lb Load Capacity

RSB1081PG



Cable Suspension/Lifting





Cable Adjusters	27
Cable End Fixings	28
Assemblies	29
Wire Rope & Hardware	30-31



Gripple products are a fast and versatile solution for suspending Piping, HVAC, Lighting, Electrical and Mechanical installations. Gripple is sold as complete kits only. Minimum Pack of 10 kits.

Adjusters can be purchased separately for tiered installations and to replace lost adjusters only.

All wire and hardware is Galvanized. Stainless Steel available by special order only.

Cable Adjusters



Standard Hanger (HangFast Fastener)

P / N	Cable Size	Load
HF1	1/16"	25 Lbs
HF2	5/64"	100 Lbs
HF3	1/8"	200 Lbs
HF4	3/16"	495 Lbs
HF5	1/4"	715 Lbs
<i>All Loads are Maximum Vertical Loads - Please Inquire about Angular Loads</i>		



Duct Trapeze Hanger

P / N	Cable Size	Load
DT1	1/16"	25 Lbs
DT2	5/64"	100 Lbs
DT3	1/8"	200 Lbs
DT4	3/16"	495 Lbs
DT5	1/4"	715 Lbs
<i>All Loads are Maximum Vertical Loads - Please Inquire about Angular Loads</i>		



Strut Trapeze

P / N	Cable Size	Load
TZ1	1/16"	25 Lbs
TZ2	5/64"	100 Lbs
TZ3	1/8"	200 Lbs
TZ4	3/16"	495 Lbs
TZ5	1/4"	715 Lbs
<i>All Loads are Maximum Vertical Loads - Please Inquire about Angular Loads</i>		

Cable End Fixings



Loop (LG)



5/16" Toggle (TG)



1/4" Toggle (TQG)



**1/4" Stud
(S25G)**



**3/8" Stud
(S38G)**



**1/4" 90 deg Eye
(EY90QG)**



**1/4" Eyelet
(EYSQG)**



Cable Length

Galvanized Aircraft Cable available lengths include:
5 ft, 10 ft, 15 ft, 20 ft & 30 ft
See Stock Assemblies on following page.

Assemblies

Assembly Part Numbers

Adjuster + Cable Size + Cable End Fixing + Length

Standard Stock Assemblies

P / N	Adjuster	Cable Size	End Fixing	Length
GRP-HF2-EY90QG-05	Standard Hang Fast	5/64"	1/4" 90 deg Eye	5 ft
GRP-HF2-EY90QG-10	Standard Hang Fast	5/64"	1/4" 90 deg Eye	10 ft
GRP-HF2-EY90QG-15	Standard Hang Fast	5/64"	1/4" 90 deg Eye	15 ft
GRP-HF2-EYSQG-10	Standard Hang Fast	5/64"	1/4" Eyelet	10 ft
GRP-HF2-LG-05	Standard Hang Fast	5/64"	Loop	5 ft
GRP-HF2-LG-10	Standard Hang Fast	5/64"	Loop	10 ft
GRP-HF2-LG-15	Standard Hang Fast	5/64"	Loop	15 ft
GRP-HF2-S25G-10	Standard Hang Fast	5/64"	1/4" Stud	10 ft
GRP-HF2-S25G-20	Standard Hang Fast	5/64"	1/4" Stud	20 ft
GRP-HF2-S38G-05	Standard Hang Fast	5/64"	3/8" Stud	5 ft
GRP-HF2-S38G-10	Standard Hang Fast	5/64"	3/8" Stud	10 ft
GRP-HF2-TQG-10	Standard Hang Fast	5/64"	1/4" Toggle	10 ft
GRP-HF3-EY90QG-10	Standard Hang Fast	1/8"	1/4" 90 deg Eye	10 ft
GRP-HF3-LG-10	Standard Hang Fast	1/8"	Loop	10 ft
GRP-HF3-LG-20	Standard Hang Fast	1/8"	Loop	20 ft
GRP-HG3-S38G-10	Standard Hang Fast	1/8"	3/8" Stud	10 ft
GRP-HF3-S38G-20	Standard Hang Fast	1/8"	3/8 Stud	20 ft
GRP-DT2-EY90QG-10	Duct Trapeze	5/64"	1/4" 90 deg Eye	10 ft
GRP-DT2-EY90QG-15	Duct Trapeze	5/64"	1/4" 90 deg Eye	15 ft
GRP-DT2-LG-10	Duct Trapeze	5/64"	Loop	10 ft
GRP-DT2-S38G-10	Duct Trapeze	5/64"	3/8" Stud	10 ft
GRP-TZ3-S38G-10	Trapeze Hanger	1/8"	3/8" Stud	10 ft
GRP-TZ3-S38G-20	Trapeze Hanger	1/8"	3/8" Stud	20 ft

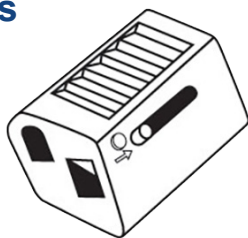
Wire Rope & Hardware

Galvanized Aircraft Cable



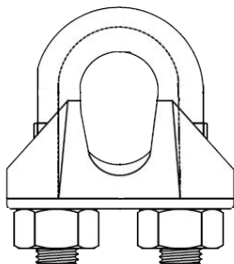
Size	P / N	Weave	Strength
1/16	GAC06	7 x 7	480 Lbs
3/32	GAC09	7 x 7	920 Lbs
1/8	GAC13	7 x 19	2000 Lbs
3/16	GAC19	7 x 19	4200 Lbs
1/4	GAC25	7 x 19	7000 Lbs

Cable Adjusters

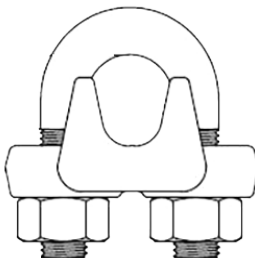


P / N	Cable Size	SEL
KL75	1/16	75 Lbs
KL100	3/32	150 Lbs
KL150	1/8	250 Lbs
KL200	3/16	640 Lbs

Malleable Cable Clips*



Forged Cable Clips**



Aluminum Swage Sleeves



Wire Rope Thimbles



1/16	MCC060	—	S062	TH0625
3/32	MCC090	—	S093	—
1/8	MCC125	—	S125	TH125
3/16	MCC187	FCC019	S187	TH187
1/4	MCC250	FCC025	S250	TH250
*Requires (3) clips **Requires (2) clips for wire sizes indicated				

Wire Cable Cutters



GRP-CUTTER
Wire Cutter up to 3/16"

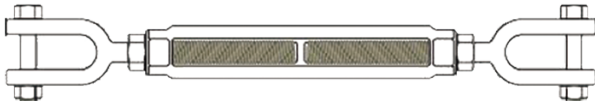


E0113
Swage Tool for 1/16" to 3/16" GAC



E011
Wire Cutter up to 3/8"

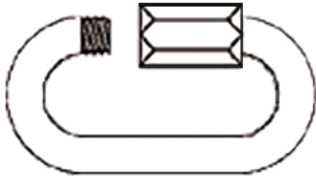
Turnbuckles



P / N	Size	WLL
TB25JJ	1/4 x 4"	500 Lbs
TB38JJ	3/8 x 6"	1200 Lbs

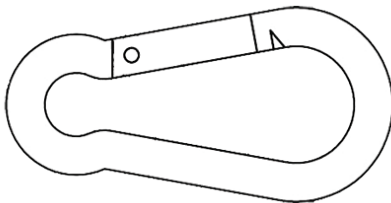
Galvanized Finish: Other configurations and sizes available - Please contact us for more information

Quick Links



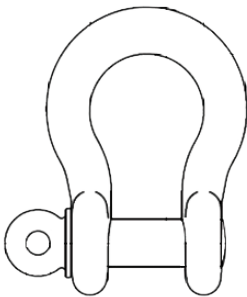
P / N	Size	WLL
Q187	3/16"	620 Lbs
Q250	1/4"	880 Lbs
Q312	5/16"	1550 Lbs
Q375	3/8"	1880 Lbs
Q500	1/2"	2250 Lbs

Snap Links



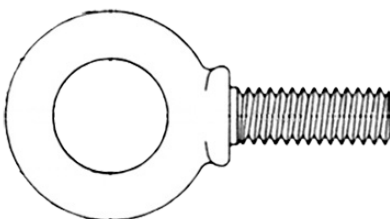
P / N	Size	WLL
SL187	3/16"	100 Lbs
SL250	1/4"	140 Lbs
SL312	5/16"	280 Lbs
SL375	3/8"	400 Lbs
SL500	1/2"	

Screw Pin Anchor



P / N	Size	WLL
SPA250	1/4"	1000 Lbs
SPA312	5/16"	15000 Lbs
SPA375	3/8"	2000 Lbs
SPA440	7/16"	3000 Lbs
SPA500	1/2"	4000 Lbs
SPA625	5/8"	6500 Lbs

Forged Eye Bolts



P / N	Size	WLL
FEBIMP25100	1/4 x 1"	500 Lbs
FEBIMP31118	5/16 x 1-1/8"	900 Lbs
FEBIMP38125	3/8 x 1-1/4"	1400 Lbs
FEBIMP50150	1/2 x 1-1/2"	2600 Lbs
FEBIMP62175	5/8 x 1-3/4"	4000 Lbs
FEBIMP75200	3/4 x 2"	6000 Lbs

NOTES

Lifting - Rope - Tie Down





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Rope	39

Whenever your need is for **Lifting or Tie Down**, the following products will help you to secure the load you are dealing with. Viking Industrial Center stocks a wide variety of high quality products of superior design for just this purpose. If you don't see what you are looking for, just give us a call. We are here to assist you with a solution!

Lifting Slings

All lifting slings are industry compliant and built to the *Web Sling & Tie Down Association* (WSTDA) standards that cover construction, ratings and markings. They are defined and based on a straight-line pull, or vertical pull. Features:

Tapered eye loops, Shrink-wrap package, Durable service inspection tags to track usage

2" Wide Double Ply Nylon

Eye to Eye - Flat

P / N	Length (Feet)
NEE2-902-2	2 FT
NEE2-902-4	4 FT
NEE2-902-6	6 FT
NEE2-902-8	8 FT
NEE2-902-10	10 FT
NEE2-902-12	12 FT
NEE2-902-14	14 FT
NEE2-902-16	16 FT
NEE2-902-20	20 FT
NEE2-902-30	30 FT



2" Wide Double Ply Polyester

Eye to Eye - Tapered

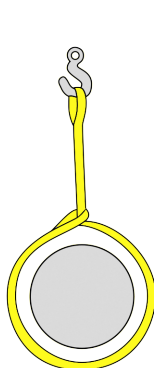
P / N	Length (Feet)
ANC-EE2-9802-03	3 FT
ANC-EE2-9802-04	4 FT
ANC-EE2-9802-06	6 FT
ANC-EE2-9802-08	8 FT
ANC-EE2-9802-10	10 FT
ANC-EE2-9802-12	12 FT
ANC-EE2-9802-16	16 FT
ANC-EE2-9802-20	20 FT
ANC-EE2-9802-30	30 FT

Above Lifting Slings have three types of lifts and ratings per WSTDA requirements

Vertical WLL - 6200 lbs

Choker WLL - 4950 lbs

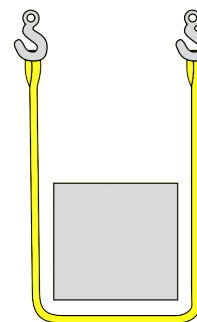
Basket WLL - 12,400 lbs



VERTICAL



CHOKER



BASKET

Vehicle Recovery Straps

Polyester Recovery Straps

- Abrasion Resistant
- UV Resistant
- Chemical Resistant
- Mildew Resistant
- Stores easily using sewn in storage band



Size	P / N	Color	MVW (lbs)
2" x 20 ft	ANC-VRS-220	GRAY	8000 Lbs
2" x 30 ft	ANC-VRS-230	GRAY	8000 Lbs

MVW
(Maximum Vehicle Weight)

The maximum weight of the vehicle being recovered, including cargo load, for which the strap is intended for use.

Accessories

Schackles

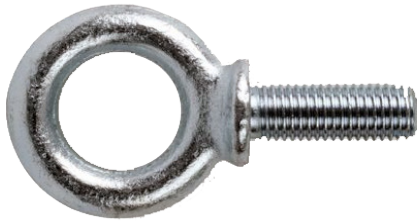
- Screw Pin Anchor



P / N	Size	WLL
SHASP025HG	1/4"	1000 Lbs
SHASP031HG	5/16"	1500 Lbs
SHASP038HG	3/8"	2000 Lbs
SHASP044HG	7/16"	3000 Lbs
SHASP050HG	1/2"	4000 Lbs
SHASP062HG	5/8"	6500 Lbs
SHASP075HG	3/4"	9500 Lbs
SHASP100HG	1"	17000 Lbs

Accessories

Forged Eye Bolts



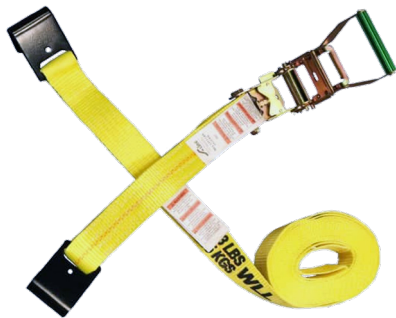
P / N	Size	WLL
FEBIMP25100	1/4 x 1"	500 Lbs
FEBIMP31118	5/16 x 1-1/8"	900 Lbs
FEBIMP38125	3/8 x 1-1/4"	1400 Lbs
FEBIMP50150	1/2 x 1-1/2"	2600 Lbs
FEBIMP62175	5/8 x 1-3/4"	4000 Lbs
FEBIMP75200	3/4 x 2"	6000 Lbs

Tie Down

Ratchet

NRTD2-WH-27

- Designed to secure cargo up to 3,333 lbs
- Chromate-coated steel ratchet with 7.5" long handle
- Latex-coated 2" heavy-duty polyester webbing
- Chromate-coated steel double wire hooks



NRTD2-FH-27

- Designed to secure cargo up to 3,333 lbs
- Chromate-coated steel ratchet with 7.5" long handle
- Latex-coated 2" heavy-duty polyester webbing
- Powder coated steel flat hooks with aluminum edge guard in webbing slot

P / N	Size	WLL
NRTD1-SH-08	1" x 8 Ft	1000 Lbs
NRTD1-SH-10	1" x 10 Ft	1000 Lbs
NRTD1-SH-12	1" x 12 Ft	1000 Lbs
NRTD1-SH-14	1" x 14 Ft	1000 Lbs
NRTD1-SH-15	1" x 15 Ft	1000 Lbs
NRTD1-SH-16	1" x 16 ft	1000 Lbs
NRTD1-SH-18	1" x 18 Ft	1000 Lbs
NRTD1-SH-20	1" x 20 Ft	1000 Lbs
NRTD1-SH-22	1" x 22 Ft	1000 Lbs



Tie Down

Bungee Cords



Heavy Duty Rubber Strap
with S-Hook on Each End

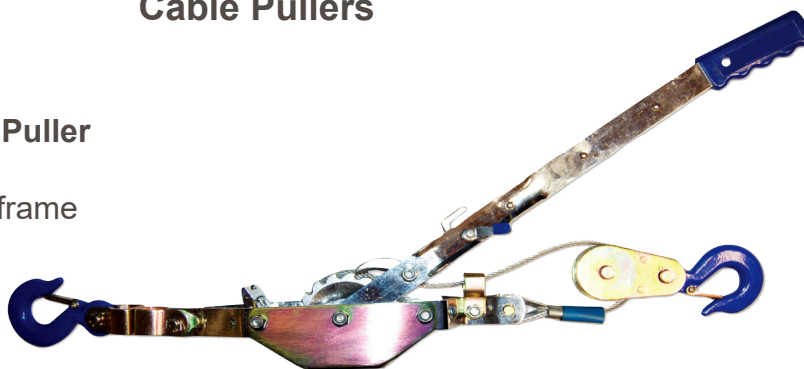
P / N	LENGTH	#/CASE
VV1D-STR10	9"	50
VV1D-STR15	15"	50
VV1D-STR21	21"	50
VV1D-STR31	31"	50
VV1D-STR41	41"	50

Cable Pullers

ANC-CPP-2T

Professional Grade Cable Puller

- Longer 19" handle
- Larger hooks and thicker frame
- 3/16" gac w/ 6ft take-up
- 2:1 Ratio
- 2Ton - Pro Double Line
- 4000lbs capacity



ANC-50140-11

Professional Grade Ratchet Binder for use w/ 3/8in chain

- 90% faster than standard binder
- Long, contoured handle
- 12" of take-up
- 6,600lbs capacity

Tie-Down Points



ANC-XH8032

1/2" HD FFip RING

- 666 Lbs WLL
- Steel Wire Ring with Bracket
- Surface Mount Design



ANC-XH8034

3" Flip Ring

- 1666 Lbs WLL
- 6" Round Pan Recessed
- 360 degree Rotation

Chain



P / N	Type	Chain Diam	Grade
CH70-031-20	Transport Tie-Down	5/16" x 20 ft	Gr 70
CH70-038	Transport Tie-Down	3/8"	Gr 70
CH70-038-12	Transport Tie-Down w/ Hooks	3/8" x 12 ft	Gr 70
CH70-038-20	Transport Tie-Down	3/8" x 20 ft	Gr 70
CH70-050	Transport Tie-Down	1/2"	Gr 70
CH80-028	Lifting	9/32"	Gr 80

Sold by the Foot except where length is noted

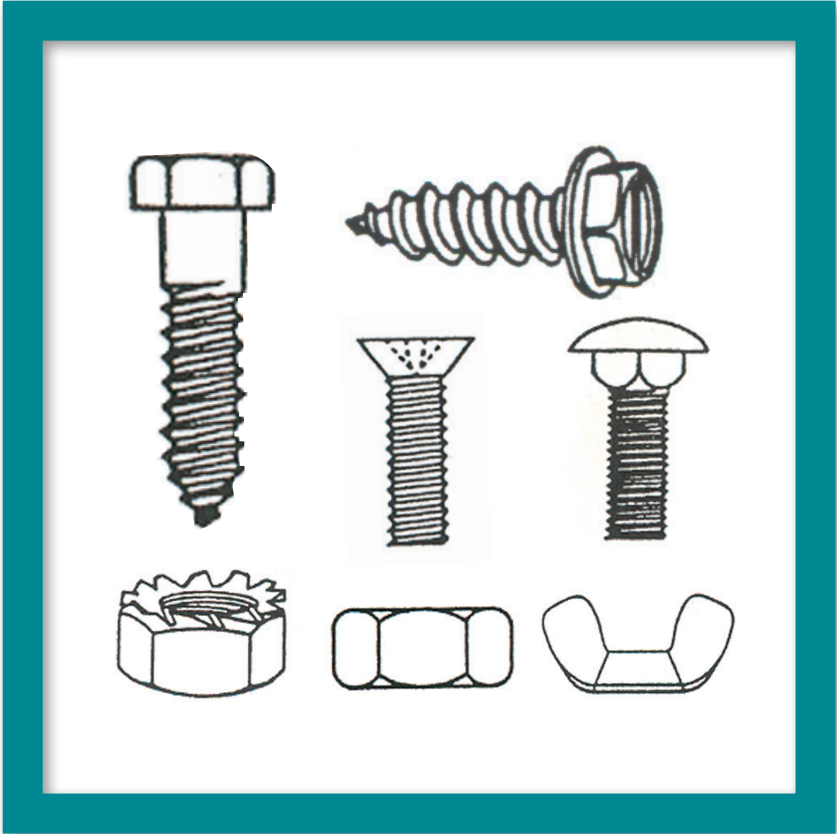
Rope

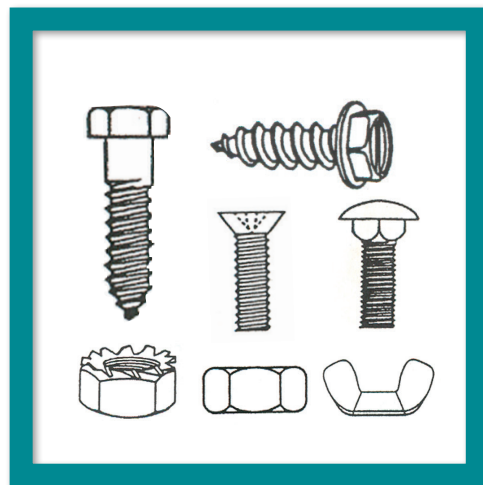


P / N	Diameter	Length/Coil
YELLOW POLYPROPYLENE		
VV1L-12Y	1/2"	600 Ft
VV1L-14Y	1/4"	600 Ft
VV1L-1Y	1"	600 Ft
VV1L-34Y	3/4"	600 Ft
VV1L-38Y	3/8"	600 Ft
VV1L-58/Y	5/8"	600 Ft
MANILA		
VV1L-MAO126	1/2"	600 Ft
VV1L-MAO146	1/4"	600 Ft
VV1L-MAO386	3/8"	600 Ft
VV1L-MAO626	5/8"	600 Ft
VV1L-MAO756	3/4"	600 Ft
VV1L-MAO1412	1/4"	1200 Ft
WHITE POLYDAC W/TRACER		
VV1L-12WPD	1/2"	600 Ft
VV1L-34WPD	3/4"	600 Ft
VV1L-58WPD	5/8"	600 Ft

NOTES

Threaded Fasteners





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Threaded Rod - Carbon Steel



Size	Length	ASTM A307 Zinc Plated	ASTM A193 B7 Plain	Hot Dipped Galvanized	.304 Stainless Steel
1/4-20	6 FT	TRZ2520-06	—	—	TRSS2520-06
	10 FT	TRZ2520-10	—	—	—
	12 FT	TRZ2520-12	—	—	—
5/16-18	6 FT	TRZ3118-06	—	TRG3118-06	TRSS3118-06
	12 FT	TRZ3118-12	—	—	—
3/8-16	6 FT	TRZ3816-06	—	TRG3816-06	TRSS3816-06
	10 FT	TRZ3816-10	—	—	—
	12 FT	TRZ3815-12	—	TRG3816-12	TRSS3816-12
1/2-13	6 FT	TRZ5013-06	TRB75013-06	TRG5013-06	TRSS5013-06
	10 FT	TRZ5013-10	—	—	—
	12 FT	TRZ5013-12	TRB75013-12	TRG5013-12	TRSS5013-12
5/8-11	6 FT	TRZ6211-06	TRB76211-06	TRG6211-06	TRSS6211-06
	10 FT	TRZ6211-10	—	—	—
	12 FT	TRZ6211-12	TRB76211-12	TRG6211-12	TRSS6211-12
3/4-10	6 FT	TRZ7510-06	TRB77510-06	TRG7510-06	TRSS7510-06
	10 FT	TRZ7510-10	—	—	—
	12 FT	TRZ7510-12	TRB77510-12	TRG7510-12	TRSS7510-12
7/8-9	6 FT	TRZ8709-06	TRB78709-06	TRG8709-06	TRSS8709-06
	10 FT	TRZ8709-10	—	—	—
	12 FT	TRZ8709-12	TRB78709-12	TRG8709-12	—
1-8	6 FT	TRZ910008-06	TRB79100-06	TRG9100-06	TRSS9100-06
	10 FT	TRZ910008-10	—	—	—
	12 FT	TRZ910008-12	—	TRG9100-12	—
1-1/4-7	6 FT	TRZ912507-06	TRB79125-06	TRG9125-06	TRSS9125-06
	10 FT	TRZ912507-10	—	—	—
	12 FT	TRZ912507-12	TRB79125-12	—	—

Hanger Bolts

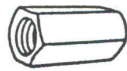


Size	Length	Zinc
10-24	2 IN	HANGBZ1024200
3/16-24	2-1/2 IN	HANGBZ3824250
1/4-20	2 IN	HANGBZ2520200
	2-1/2 IN	HANGBZ2520250
	3 IN	HANGBZ2520300
	3-1/2 IN	HANGBZ2520350
	4 IN	HANGBZ2520400
	6 IN	HANGBZ2520600
5/16-18	1-1/2 IN	HANGBZ3118150
	2 IN	HANGBZ3118200
	2-1/2 IN	HANGBZ3118250
	3 IN	HANGBZ3118300
	3-1/2 IN	HANGBZ3118350
3/8-16	4 IN	HANGBZ3118400
	2 IN	HANGBZ3816200
	2-1/2 IN	HANGBZ3816250
	3 IN	HANGBZ3816300
	3-1/2 IN	HANGBZ3816350
	4 IN	HANGBZ3816400
	5 IN	HANGBZ3816500
	6 IN	HANGBZ3816600
	8 IN	HANGBZ2816800
	10 IN	HANGBZ3816910
1/2-13	3 IN	HANGBZ5013300
	4 IN	HANGBZ5013400
	5 IN	HANGBZ5013500
	6 IN	HANGBZ5013600
	8 IN	HANGBZ5013800



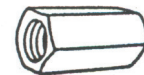
S-Hooks

Zinc	Size
S1	3/4 x .080 Wire
S1A	1 x .105 Wire
S2	1-1/4 x .114 Wire
S2A	1-1/2 x .148 Wire
S3	1-3/4 x 1.86 Wire
S4	2-1/8 x .220 Wire
S5	2-1/2 x .250 Wire
S6	3 x .312 Wire
S7	3-1/2 x .375 Wire
S9	2 x .235 Wire
S9C	2 x .150 Wire



Reducing Coupling Nuts

Size	to Size	Zinc
5/16-18	to 1/4-20	CNZR31182520
3/8-16	to 1/4-20	CNZR38162520
	to 5/16-18	CNZR38163118
1/2-13	to 5/16-18	CNZR50133118
	to 3/8-16	CNZR50133816
5/8-11	to 1/2-13	CNZR62115013
3/4-10	to 5/8-11	CNZR75106211
7/8-9	to 1/2-13	CNZR87095013



Coupling Nuts

Size	Length	Zinc
10-24	5/16 x 3/4	CNZ1024075
1/4-20	3/8 x 7/8	CNZ2520078
	7/16 x 1-3/4	CNZ2520175
5/16-18	1/2 x 1-3/4	CNZ3118175
3/8-16	1/2 x 1-1/8	CNZ3816113
	9/16 x 1-3/4	CNZ3816175
1/2-13	5/8 x 1-1/4	CNZ5013125
	11/16 x 1-3/4	CNZ5013175
5/8-11	13/16 x 2-1/8	CNZ6211213
3/4-10	1 x 2-1/4	CNZ7510225
7/8-9	1-1/4 x 2-1/2	CNZ8709250
1-8	1-1/4 x 2-1/2	CNZ9108250
1-1/8-7	1-1/2 x 3	CNZ911307300
1-1/4-7	1-5/8 x 3	CNZ912507300



Turned Eye Bolt - Zinc & Stainless Steel

Dia.	Shank Length	Zinc	Stainless Steel
1/4-20	1	TEB25100	TEBSS25100
	1-1/2	TEB25125	—
	2	TEB25200	—
	2-1/2	TEB25250	—
	3	TEB25300	TEBSS25300
	3-1/2	TEB25350	---
	4	TEB25400	TEBSS25400
5/16-18	5	TEB25500	---
	1	TEB31100	—
	2	TEB31200	—
	4	TEB31400	—
	6	—	TEBSS31600
3/8-16	6-1/2	—	TEBSS31650
	1	TEB38100	—
	2	TEB38200	TEBSS38200
	2-1/4	TEB38225	—
	2-1/2	TEB38250	—
	3	TEB38300	TEBSS38300
	3-1/4	TEB38325	—
	3-1/2	TEB38350	—
	4	TEB38400	TEBSS38400
	5	TEB38500	—
1/2-13	6	TEB38600	—
	6	TEB38600	TEBSS38800
	2	TEB50200	—
	4	TEB50400	—
	6	TEB50600	TEBSS50600
	8	TEB50800	—

Forged Eye Bolt - Shouldered

Dia.	Shank Length	Hot Dipped Galvanized	Plain	Zinc
1/4	1	—	FEBUSA25100	FEBUSAZ25100
	2	FEBUSAG25200	—	—
	4	FEBUSAG25400	—	—
3/8	1-1/4	FEBUSA38125	FEBUSA38125	FEBIMP38125Z
	2-1/2	—	—	—
	4-1/2	FEBUSAG38450	—	—
1/2	3/4	FEBG50325	—	—
	1-1/2	—	FEBUSA50150	FEBUSA50150Z
	3	—	FEBUSA50300	—
	4-1/2	FEBUSAG50450	FEBUSA50450	—
	6	FEBUSAG50600	—	—
5/8	1-3/4	FEBIMP62175G	FEBUSA62175	—
3/4	2	FEBIMP75200G	FEBUSA75200	—
7/8	2-1/4	—	FEBUSA87225	—

Forged Eye Bolt - No Shoulder

Dia.	Shank Length	Hot Dipped Galvanized	Plain
1/4	3	FEBUSAG25300	—
5/16	4-1/4	FEBUSA31425	—
3/8	2-1/2	FEBUSA38250	—
	6	FEBUSA38600	—
	8	FEBRUSA38800	—
1/2	6	FEBUSA50600	FEBUSA50600NS
	8	—	FEBRUSA50800NS
	12	FEBUSAG5091200	—
3/4	12	FEBUSA7512	—



Foundation Anchor Bolts



Size	Length	Plain	Galvanized
3/8	6	AB3806	—
	10	AB3810	—
1/2	6	—	ABG5006
	8	AB5008	ABG5008
	10	—	ABG5010
	12	—	ABG5012
	16	AB5016	—
	18	AB5018	—
5/8	10	—	ABG6210
3/4	12	AB7512	ABG7512
	18	AB7518	—
	30	—	ABG7530



Acoustical Eye Lag

Size	Length	Plain
1/4	3	ALS3
	4	ALS4

Draw Bolt



Dia.	Shank Length	Zinc
1/4-20	3-1/2	DB25350

Turned Eye LagScrew

Dia.	Shank Length	Zinc
1/4	4	LS2
5/16	2-3/4	LS3
	4-3/4	LS4
3/8	3	LS5
	6	LS6
1/2	3-1/2	LS7





Hex Tap Bolts

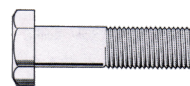
Dia.	Size	Gr 5 Zinc	A307 Gr A Zinc
1/4	1/2	HTB5Z2520050	—
	3/4	HTB5Z2520075	HTBAZ2520075
	1	HTB5Z2520100	HTBAZ2520100
	1-1/4	HTB5Z2520125	HTBAZ2520125
	1-1/2	HTB5Z2520150	HTBAZ2520150
	1-3/4	HTB5Z2520175	HTBAZ2520175
	2	HTB5Z2520200	HTBAZ2520200
	2-1/4	HTB5Z2520225	HTBAZ2520225
	2-1/2	HTB5Z2520250	HTBAZ2520250
	2-3/4	HTB5Z2520275	HTBAZ2520275
	3	HTB5Z2520300	HTBAZ2520300
	3-1/4	HTB5Z2520325	HTBAZ2520325
	3-1/2	HTB5Z2520350	HTBAZ2520350
	4	HTB5Z2520400	HTBAZ2520400
	4-1/2	HTB5Z2520450	HTBAZ2520450
	5	HTB5Z2520500	HTBAZ2520500
5/16	5-1/2	—	HTBAZ2520550
	6	HTB5Z2520600	HTBAZ2520600
	8	HTB5Z2520800	—
	1/2	HTB5Z3118050	—
	3/4	—	HTBAZ3118075
	1	HTB5Z3118100	HTBAZ3118100
	1-1/4	HTB5Z3118125	HTBAZ3118125
	1-1/2	HTB5Z3118150	HTBAZ3118150
	1-3/4	HTB5Z3118175	HTBAZ3118175
	2	HTB5Z3118200	HTBAZ3118200
	2-1/4	HTB5Z3118225	HTBAZ3118225
	2-1/2	HTB5Z3118250	HTBAZ3118250
	2-3/4	HTB5Z3118275	HTBAZ3118275
	3	HTB5Z3118300	HTBAZ3118300
	3-1/4	HTB5Z3118325	—
	3-1/2	HTB5Z3118350	HTBAZ3118350
	3-3/4	HTB5Z3118375	HTBAZ3118375
	4	HTB5Z3118400	HTBAZ3118400
	4-1/2	HTB5Z3118450	HTBAZ3118450
	5	HTB5Z3118500	HTBAZ3118500
	5-1/2	HTB5Z3118550	HTBAZ3118550
	6	HTB5Z3118600	HTBAZ3118600

Dia.	Size	Gr 5 Zinc	A307 Gr A Zinc
3/8	3/4	HTB5Z3816075	HTBAZ3816075
	1	—	HTBAZ3816100
	1-1/4	HTB5Z3816125	HTBAZ3816125
	1-1/2	HTB5Z3816150	HTBAZ3816150
	1-3/4	HTB5Z3816175	HTBAZ3816175
	2	HTB5Z3816200	HTBAZ3816200
	2-1/4	HTB5Z3816225	HTBAZ3816225
	2-1/2	HTB5Z3816250	HTBAZ3816250
	2-3/4	HTB5Z3816275	HTBAZ3816275
	3	HTB5Z3816300	HTBAZ3816300
	3-1/4	HTB5Z3816325	—
	3-1/2	HTB5Z3816350	HTBAZ3816350
	3-3/4	HTB5Z3816375	—
	4	HTB5Z3816400	HTBAZ3816400
	4-1/2	HTB5Z3816450	HTBAZ3816450
	5	HTB5Z3816500	HTBAZ3816500
7/16	5-1/2	HTB5Z3816550	HTBAZ3816550
	6	HTB5Z3816600	HTBAZ3816600
	1	HTB5Z4414100	—
	1-1/4	HTB5Z4414125	—
	1-1/2	HTB5Z4414150	—
	1-3/4	HTB5Z4414175	—
	2	HTB5Z4414200	—
	2-1/2	HTB5Z4414250	—
	3	HTB5Z4414300	—
	3-1/2	HTB5Z4414350	—
	4	HTB5Z4414400	—
	1	—	HTBAZ5013100
	1-1/4	HTB5Z5013125	—
	1-1/2	HTB5Z5013150	HTBAZ5013150
	1-3/4	—	HTBAZ5013175
1/2	2	HTB5Z5013200	HTBAZ5013200
	2-1/4	HTB5Z5013225	HTBAZ5013225
	2-1/2	HTB5Z5013250	HTBAZ5013250
	2-3/4	HTB5Z5013275	—
	3	HTB5Z5013300	HTBAZ5013300
	3-1/2	HTB5Z5013350	HTBAZ5013350
	4	HTB5Z5013400	HTBAZ5013400
	4-1/2	HTB5Z5013450	HTBAZ5013450
	5	HTB5Z5013500	HTBAZ5013500
	5-1/2	HTB5Z5013550	HTBAZ5013550
	6	HTB5Z5013600	HTBAZ5013600

Dia.	Size	Gr 5 Zinc	A307 Gr A Zinc
5/8	1-1/2	—	HTBAZ6211150
	1-3/4	—	HTBAZ6211175
	2	HTB5Z6211200	HTBAZ6211200
	2-1/4	HTB5Z6211225	HTBAZ6211250
	2-1/2	HTB5Z6211250	HTBAZ6211250
	2-3/4	—	—
	3	HTB5Z6211300	HTBAZ6211300
	3-1/2	HTB5Z6211350	HTBAZ6211350
	3-3/4	HTB5Z6211375	—
	4	HTB5Z6211400	HTBAZ6211400
	4-1/2	HTB5Z6211450	HTBAZ6211450
	5	HTB5Z6211500	HTBAZ6211500
	5-1/2	HTB5Z6211550	HTBAZ6211550
	6	HTB5Z6211600	HTBAZ6211600
	1-1/2	HTB5Z7510150	—
	2	HTB5Z7510200	HTBAZ7510200
3/4	2-1/2	HTB5Z7510250	HTBAZ7510250
	3	HTB5Z7510300	HTBAZ7510300
	3-1/4	HTB5Z7510325	—
	3-1/2	HTB5Z7510350	HTBAZ7510350
	3-3/4	HTB5Z7510375	—
	4	HTB5Z7510400	HTBAZ7510400
	4-1/2	HTB5Z7510450	HTBAZ7510450
	5	HTB5Z7510500	HTBAZ7510500
	5-1/2	HTB5Z7510550	HTBAZ7510550
	6	HTB5Z7510600	HTBAZ7510600
	6-1/2	—	HTBAZ7510650
	2-1/2	—	HTBAZ8709250
	3	—	HTBAZ8709300
	3-1/2	—	HTBAZ8709350
	4	—	HTBAZ8709400
7/8	4-1/2	—	HTBAZ8709450
	5	—	HTBAZ8709500
	5-1/2	—	HTBAZ8709550
	6	—	HTBAZ8709600
	2-1/2	—	HTBAZ10008250
	3	—	HTBAZ10008300
	3-1/2	—	HTBAZ10008350
	4	—	HTBAZ10008400
	4-1/2	—	HTBAZ10008450
	5	—	HTBAZ10008500
	6	—	HTBAZ10008600



Hex Cap Screws

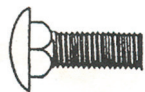


Dia	Size	Grade 2 Zinc	Grade 5 Zinc	Grade 8 Yellow	.304 SS	Dia	Size	Grade 2 Zinc	Grade 5 Zinc	Grade 8 Yellow	.304 SS
1/4-20	3/8	—	HCS5Z2520038	—	—	3/8-16	3/8	—	—	—	HCSSS3816038
	1/2	HCS2Z2520050	—	HCS8YZ2520050	HCSSS2520050		1/2	—	HCS5Z3816050	HCS8YZ3816050	HCSSS3816050
	5/8	HCS2Z2520062	—	—	—		5/8	—	HCS5Z3816062	—	HCSSS3816062
	3/4	HCS2Z2520075	—	HCS8YZ2520075	HCSSS2520075		3/4	—	—	HCS8YZ3816075	HCSSS3816075
	7/8	HCS2Z2520087	—	—	—		7/8	—	HCS5Z3816087	—	HCSSS3816087
	1	HCS2Z2520100	—	HCS8YZ2520100	HCSSS2520100		1	—	HCS5Z3816100	HCS8YZ3816100	HCSSS3816100
	1-1/4	HCS2Z2520125	—	HCS8YZ2520125	HCSSS2520125		1-1/4	—	—	HCS8YZ3816125	HCSSS3816125
	1-1/2	—	—	HCS8YZ2520150	HCSSS2520150		1-1/2	—	—	HCS8YZ3816150	HCSSS3816150
	1-3/4	—	—	HCS8YZ2520175	—		1-5/8	—	—	—	HCSSS3816162
	2	—	—	—	HCSSS2520200		1-3/4	—	—	—	HCSSS3816175
	2-1/4	—	—	HCS8YZ2520225	HCSSS2520225		2	—	—	HCS8YZ3816200	HCSSS3816200
	2-1/2	HCS2Z2520250	—	HCS8YZ2520250	HCSSS2520250		2-1/4	—	—	HCS8YZ3816225	HCSSS3816225
	3	—	—	HCS8YZ2520300	HCSSS2520300		2-1/2	HCS2Z3816250	—	—	HCSSS3816250
	3-1/4	—	—	—	HCSSS2520325		2-3/4	HCS2Z3816275	—	—	—
	3-1/2	—	—	—	HCSSS2520350		3	—	—	HCS8YZ3816300	HCSSS3816300
	3-3/4	—	HCS5Z2520375	—	—		3-1/4	—	—	HCS8YZ3816325	HCSSS3816325
	4-1/2	—	—	—	HCSSS2520450		3-1/2	—	—	HCS8YZ3816350	HCSSS3816350
	5	—	—	—	HCSSS2520500		3-3/4	—	HCS5Z3816375	—	—
	6	HCS2Z2520600	—	—	CSSS2520600		4	—	—	HCS8YZ3816400	HCSSS3816400
1/4-28	1/2	HCS2Z2528050	—	—	—	7/16-14	4-1/4	—	HCS5Z3816425	—	HCSSS3816425
	1	HCS2Z2528100	—	HCS8YZ2528100	—		4-1/2	—	HCS5Z3816450	—	HCSSS3816450
	1-1/2	HCS2Z2528150	—	—	—		4-3/4	—	—	—	HCSSS3816475
	2	—	—	HCS8YZ2528200	—		5	—	—	HCS8YZ3816500	HCSSS3816500
5/16-18	1/2	—	—	HCS8YZ3118050	HCSSS3118050		5-1/4	—	—	—	HCSSS3816525
	5/8	—	—	HCS8YZ3118062	—		5-1/2	—	—	—	HCSSS3816550
	3/4	HCS2Z3118075	HCS5Z3118075	HCS8YZ3118075	HCSSS3118075		6	—	—	—	HCSSS3816600
	7/8	HCS2Z3118087	HCS5Z3118087	—	—		6-1/4	—	—	—	HCSSS3816625
	1	—	—	HCS8YZ3118100	HCSSS3118100		6-1/2	HCS2Z3816650	HCS5Z3816650	HCS8YZ3816650	HCSSS3816650
	1-1/4	HCS2Z3118125	—	HCS8YZ3118125	HCSSS3118125		7	HCS2Z3816700	HCS5Z3816700	—	—
	1-1/2	HCS2Z3118150	—	HCS8YZ3118150	HCSSS3118150		7-1/2	—	—	HCS8YZ3816750	—
	1-5/8	—	—	—	HCSSS3118162		8	HCS2Z3816800	HCS5Z3816800	—	—
	1-3/4	—	—	—	HCSSS3118175		9	HCS2Z3816900	—	—	—
	2	—	—	HCS8YZ3118200	HCSSS3118200		12	—	—	—	HCSSS3816912
	2-1/4	—	—	—	HCSSS3118225		1	HCS2Z4414100	—	HCS8YZ4414100	HCSSS4414100
	2-1/2	—	—	HCS8YZ3118250	HCSSS3118250		1-1/4	HCS2Z4414125	—	—	HCSSS4414125
	2-3/4	—	—	HCS8YZ3118275	HCSSS3118275		1-1/2	HCS2Z4414150	—	—	HCSSS4414150
	3	—	—	—	HCSSS3118300		1-3/4	—	—	HCS8YZ4414175	—
	3-1/4	—	—	—	HCSSS3118325		2	HCS2Z4414200	—	—	HCSSS4414200
	3-1/2	—	—	—	HCSSS3118350		2-1/2	HCS2Z4414250	—	—	—
	3-3/4	HCS2Z3118375	—	—	—		3	HCS2Z4414300	—	—	—
	4	HCS2Z3118400	—	—	—		3-1/2	—	—	—	HCSSS4414350
	5-1/2	HCS2Z3118500	—	—	—		4	HCS2Z4414400	—	HCS8YZ4414400	—
	7	—	—	HCS8YZ3118700	—		4-1/2	—	—	HCS8YZ4414450	HCSSS4414450
5/16-24	3/4	—	HCS5Z3124075	—	—	7/16-20	5	HCS2Z4414500	HCS5Z4414500	HCS8YZ4414500	—
	1	—	HCS5Z3124100	—	—		6	HCS2Z4414600	HCS5Z4414600	—	—
	1-1/4	—	HCS5Z3124125	—	—		1-3/4	—	—	HCS8YZ4420175	—
	1-1/2	—	HCS5Z3124150	—	—		4	—	—	HCS8YZ4420400	—

Continued on next page

Hex Cap Screws Continued

Dia	Size	Grade 2 Zinc	Grade 5 Zinc	Grade 8 Yellow	.304SS	Dia	Size	Grade 2 Zinc	Grade 5 Zinc	Grade 8 Yellow	.304 SS
1/2	3/4	HCS2Z5013075	HCS5Z5013075	—	HCSSS5013075	3/4-10	1	—	HCS5Z7510100	—	HCSSS7510100
	7/8	—	HCS5Z5013087	—	—		1-1/4	—	HCS5Z7510125	—	—
	1	—	HCS5Z5013100	HCS8YZ5013100	HCSSS5013100		1-1/2	HCS2Z7510150	—	HCS8YZ7510150	HCSSS7510150
	1-1/8	—	HCS5Z5013113	—	—		1-3/4	—	HCS5Z7510175	HCS8YZ7510175	—
	1-1/4	—	—	HCS8YZ5013125	HCSSS5013125		2	—	—	HCS8YZ7510200	HCSSS7510200
	1-1/2	—	HCS5Z5013150	HCS8YZ5013150	HCSSS5013150		2-1/4	HCS2Z7510225	HCS5Z7510225	HCS8YZ7510225	—
	1-3/4	—	HCS5Z5013175	—	HCSSS5013175		2-1/2	—	—	HCS8YZ7510225	—
	2	—	—	HCS8YZ5013200	HCSSS5013200		2-3/4	—	HCS5Z7510275	HCS8YZ7510275	—
	2-1/4	—	—	—	HCSSS5013225		3	—	—	HCS8YZ7510300	HCSSS7510300
	2-1/2	—	—	HCS8YZ5013250	HCSSS5013250		3-1/4	—	HCS5Z7510325	HCS8YZ7510300	HCSSS7510325
	2-3/4	—	—	HCS8YZ5013275	HCSSS5013275		3-1/2	—	—	HCS8YZ7510350	HCSSS7510350
	3	—	—	HCS8YZ5013300	HCSSS5013300		4	—	—	HCS8YZ7510400	HCSSS7510400
	3-1/4	—	HCS5Z5013325	—	—		4-1/2	—	—	HCS8YZ7510450	HCSSS7510450
	3-1/2	—	—	HCS8YZ5013350	HCSSS5013350		5	—	—	HCS8YZ7510500	HCSSS7510500
	3-3/4	—	HCS5Z5013375	—	HCSSS5013375		5-1/2	—	—	—	HCSSS7510550
	4	—	—	HCS8YZ5013400	HCSSS5013400		6	—	—	HCS8YZ7510600	—
	4-1/4	—	—	—	HCSSS5013425		6-1/2	—	HCS5Z7510650	HCS8YZ7510650	HCSSS7510650
	4-1/2	—	—	HCS8YZ5013450	HCSSS5013450		7	HCS2Z7510700	HCS5Z7510700	—	CSSS7510700
	5	—	—	HCS8YZ5013500	HCSSS5013500		7-1/2	HCS2Z7510750	HCS5Z7510750	—	—
	5-1/2	—	—	HCS8YZ5013500	HCSSS5013550		8	—	HCS5Z7510800	HCS8YZ7510800	HCSSS7510800
	6	—	—	—	HCSSS5013600		8-1/2	—	HCS5Z7510850	—	—
	6-1/2	—	HCS5Z5013650	—	HCSSS5013650		9	—	HCS5Z7510900	—	—
	7	—	HCS5Z5013700	HCS8YZ5013700	HCSSS5013700		10	—	HCS5Z7510910	—	HCSSS7510910
	7-1/2	HCS2Z5013750	HCS5Z5013750	HCS8YZ5013750	HCSSS5013750		11	—	HCS5Z7510911	—	—
	8	—	HCS5Z5013800	HCS8YZ5013800	HCSSS5013800		12	—	HCS5Z7510912	—	—
1/2	9	HCS2Z5013900	HCS5Z5013900	HCS8YZ5013900	HCSSS5013900	7/8-9	1-1/2	—	—	—	HCSSS8709150
	10	—	HCS5Z5013910	—	HCSSS5013910		2	—	—	HCS8YZ8709200	HCSSS8709200
	11	—	HCS5Z5013911	—	—		2-1/4	HCS2Z8709225	HCS5Z8709225	—	—
	12	—	HCS5Z5013912	—	HCSSS5013912		2-1/2	—	HCS5Z8709250	—	HCSSS8709250
	14	—	—	—	HCSSS5013914		2-3/4	—	HCS5Z8709275	—	—
	18	—	—	—	HCSSS5013918		3	—	HCS5Z8709300	HCS8YZ8709300	—
	1	—	HCS5Z6211100	—	HCSSS6211100		3-1/2	—	—	—	HCSSS8709350
	1-1/4	—	HCS5Z6211125	—	HCSSS6211125		3-3/4	—	HCS5Z8709375	—	—
	1-1/2	—	HCS5Z6211150	HCS8YZ6211150	HCSSS6211150		4	—	HCS5Z8709400	—	HCSSS8709400
	1-3/4	HCS2Z6211175	HCS5Z6211175	HCS8YZ6211175	HCSSS6211175		4-1/2	—	—	—	HCSSS8709450
	2	—	—	HCS8YZ6211200	HCSSS6211200		5	—	—	—	HCSSS8709500
	2-1/4	—	—	—	HCSSS6211225		5-1/2	—	—	—	HCSSS8709550
	2-1/2	—	—	HCS8YZ6211250	HCSSS6211250		6	—	—	—	HCSSS8709600
	2-3/4	—	HCS5Z6211275	—	—		6-1/2	—	—	—	HCSSS8709650
	3	—	—	—	HC2226211300		8	—	—	HCS8YZ8714800	—
	3-1/4	HCS2Z6211325	—	—	—		2	—	—	—	HCSSS91008200
	3-1/2	—	—	HCS8YZ6211350	HCSSS6211350		2-1/2	—	—	HCS8YZ91008250	—
	4	—	—	HCS8YZ6211400	HCSSS6211400	1-8	3	—	—	—	HCSSS91008300
5/8-11	4-1/2	—	—	HCS8YZ6211450	HCSSS6211450		3-1/2	—	—	—	HCSSS91008350
	5	—	—	HCS8YZ6211500	HCSSS6211500		4	—	HCS5Z91008400	—	HCSSS91008400
	5-1/2	—	—	HCS8YZ6211550	HCSSS6211550		5	—	HCS5Z91008500	—	—
	6	—	—	—	HCSSS6211600		5-1/2	—	HCS5Z91008550	—	—
	6-1/2	—	HCS5Z6211650	HCS8YZ6211650	HCSSS6211650		8	—	HCS5Z91008850	—	HCSSS91008800
	7	—	HCS5Z6211700	—	HCSSS6211700		9	—	HCS5Z91008900	—	—
	7-1/2	—	HCS5Z6211750	—	—		10	—	HCS5Z91008910	—	—
	8	—	HCS5Z6211800	—	HCSSS6211800		101/2	—	—	—	HCSSS9100891050
	9	—	HCS5Z6211900	—	—		12	—	HCS5Z91008912	—	—
	10	—	HCS5Z6211910	—	—						
	11	—	HCS5Z6211911	—	—						
	12	—	HCS5Z6211912	—	HCSSS6211912						
	18	—	—	—	HCSSS6211918						



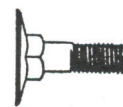
Carriage Bolts

Dia	Size	Zinc	Galvanized
10-24	1-1/4	CBZ10125	—
	1-1/2	CBZ10150	—
	2	CBZ10200	—
	2-1/2	CBZ10250	—
	3	CBZ10300	—
	3-1/2	CBZ10350	—
1/4	5/8	CBZ25062	—
	3/4	CBZ25075	—
	1	CBZ25100	—
	1-1/4	CBZ25125	—
	1-1/2	CBZ25150	CBG25150
	1-3/4	CBZ25175	—
	2	CBZ25200	—
	2-1/4	CBZ25225	—
	2-1/2	CBZ25250	—
	2-3/4	CBZ25275	—
	3	CBZ25300	—
	3-1/2	CBZ25350	—
	4	CBZ25400	—
	4-1/2	CBZ25450	—
	5	CBZ25500	—
	5-1/2	CBZ25550	—
	6	CBZ25600	—
5/16	3/4	CBZ31075	—
	1	CBZ31100	—
	1-1/4	CBZ31125	CBG31125
	1-1/2	CBZ31150	—
	1-3/4	CBZ31175	—
	2	CBZ31200	—
	2-1/4	CBZ31225	—
	2-1/2	CBZ31250	—
	3	CBZ31300	—
	3-1/2	CBZ31350	CBG31350
	4	CBZ31400	—
	4-1/2	CBZ31450	CBG31450
	5	CBZ31500	—
	5-1/2	CBZ31550	—
	6	CBZ31600	CBG31600
	7	CBZ31700	—
	8	CBZ31800	—

Dia.	Size	Zinc	Galvanized
3/8	3/4	CBZ38075	—
	1	CBZ38100	—
	1-1/4	CBZ38125	—
	1-1/2	CBZ38150	—
	1-3/4	CBZ38175	—
	2	CBZ38200	—
	2-1/4	CBZ38225	—
	2-1/2	CBZ38250	CBG38250
	3	CBZ38300	CBG38300
	3-1/2	CBZ38350	CBG38350
	4	CBZ38400	CBG38400
	4-1/2	CBZ38450	CBG38450
	5	CBZ38500	CBG38500
	5-1/2	CBZ38550	—
	6	CBZ38600	CBG38600
	6-1/2	CBZ38650	—
1/2	7	CBZ38700	CBG38700
	8	CBZ38800	CBG38800
	8-1/2	CBZ38850	—
	9	CBZ38900	CBG38900
	9-1/2	CBZ38950	—
	10	CBZ381000	—
	11	CBZ381100	—
	12	CBZ381200	—
	1	CBZ50100	—
	1-1/4	CBZ50125	—
	1-1/2	CBZ50150	—
	1-3/4	CBZ50175	—
	2	CBZ50200	—
	2-1/4	CBZ50225	—
	2-1/2	CBZ50250	—
	2-3/4	CBZ50275	—
3/4	3	CBZ50300	CBG50300
	3-1/4	CBZ50325	—
	3-1/2	CBZ50350	CBG50350
	4	CBZ50400	CBG50400
	4-1/2	CBZ50450	CBG50450
	5	CBZ50500	CBG50500
	5-1/2	CBZ50550	—
	6	CBZ50600	CBG50600
	6-1/2	CBZ50650	—
	7	CBZ50700	CBG50700
	7-1/2	CBZ50750	—
	8	CBZ50800	CBG50800
	8-1/2	CBZ50850	—
	9	CBZ50900	—
	9-1/2	CBZ50950	—
	10	CBZ501000	—
	11	CBZ501100	—
	12	CBZ501200	—
	18	—	CBG501800

Dia.	Size	Zinc	Galvanized
5/8	1-1/2	—	CBG62150
	2	—	CBG62200
	2-1/2	—	CBG62250
	3	—	—
	3-1/2	—	—
	4	—	—
	4-1/2	CBZ62450	—
	5	—	—
	5-1/2	CBZ62550	—
	6	—	—
	6-1/2	CBZ62650	—
	7	CBZ62700	—
	7-1/2	CBZ62750	—
	8	CBZ62800	—
3/4	9	CBZ62900	—
	10	CBZ621000	—
	11	CBZ621100	—
	12	CBZ621200	—
	14	CBZ621400	—
	4	CBZ75400	—
	6	CBZ75600	CBG75600
	7	—	CBG75700
	8	CBZ75800	CBG75800
	10	CBZ751000	CBG751000
	11	CBZ751100	CBG751100
	12	CBZ751200	—
	16	CBZ751600	CBG751600

Elevator Bolts



Dia.	Size	Zinc
1/4	1	EBZ2520100
	1-1/4	EBZ2520125
	1-1/2	EBZ2520150
	2	EBZ2520200
5/16	1-1/4	EBZ3118125
	1-1/2	EBZ3118150
	3	EBZ3118300
3/8	2	EBZ3816200
	3	EBZ3816300
Dia.	Size	Plain
1/4	1	EBP2520100
	2	EBP2520200



Dia	Size	Zinc	Galvanized	.304 SS	Dia.	Size	Zinc	Galvanized	.304 SS
1/4	1	HLZ25100	—	—	1/2	1-1/2	HLZ50150	HLG50150	—
	1-1/4	HLZ25125	HLG25125	—		2	HLZ50200	HLG50200	HLSS50200
	1-1/2	HLZ25150	—	—		2-1/2	HLZ50250	HLG50250	HLSS50250
	1-3/4	HLZ25175	—	—		3	HLZ50300	HLG50300	HLSS50300
	2	HLZ25200	HLG25200	HLSS25200		3-1/2	HLZ50350	HLG50350	—
	2-1/4	HLZ25225	—	—		4	HLZ50400	HLG50400	HLSS50400
	2-1/2	HLZ25250	HLG25250	HLSS25250		4-1/2	HLZ50450	HLG50450	—
	3	HLZ25300	—	HLSS25300		5	HLZ50500	HLG50500	HLSS50500
	3-1/2	HLZ25350	—	HLSS25350		5-1/2	HLZ50550	—	—
	4	HLZ25400	HLG25400	HLSS25400		6	HLZ50600	HLG50600	HLSS50600
	4-1/2	HLZ25450	—	HLSS25450		7	HLZ50700	HLG50700	HLSS50700
	5	HLZ25500	HLG25500	HLSS25500		8	HLZ50800	HLG50800	HLSS50800
	5-1/2	HLZ25550	—	—		9	HLZ50900	—	—
	6	HLZ25600	HLG25600	—		10	HLZ50910	HLG50910	—
5/16	1	HLZ31100	—	—	5/8	11	HLZ50911	—	—
	1-1/4	HLZ31125	HLG31125	—		12	HLZ50912	HLG50912	—
	1-1/2	HLZ31150	HLG31150	—		2	HLZ62200	—	—
	1-3/4	HLZ31175	—	—		2-1/2	HLZ62250	—	HLSS62250
	2	HLZ31200	—	HLSS31200		3	HLZ62300	HLG62300	—
	2-1/2	HLZ31250	—	—		3-1/2	HLZ62350	—	—
	3	HLZ31300	HLG31300	HLSS31300		4	HLZ62400	HLG62400	—
	3-1/2	HLZ31350	HLG31350	HLSS31350		4-1/2	HLZ62450	—	—
	4	HLZ31400	HLG31400	HLSS31400		5	HLZ62500	HLG62500	—
	4-1/2	HLZ31450	HLG31450	—		5-1/2	HLZ62550	—	—
	5	HLZ31500	—	—		6	HLZ62600	HLG62600	—
	5-1/2	HLZ31550	—	—		7	HLZ62700	HLG62700	—
3/8	6	HLZ31600	—	HLSS31600		8	HLZ62800	HLG62800	—
	1	HLZ38100	—	—		9	HLZ62900	—	—
	1-1/4	HLZ38125	HLG38125	HLSS38125		10	HLZ62910	HLG62910	—
	1-1/2	HLZ38150	HLG38150	HLSS38150		11	HLZ62911	—	—
	2	HLZ38200	HLG38200	HLSS38200		12	HLZ62912	HLG62912	—
	2-1/2	HLZ38250	HLG38250	HLSS38250		14	HLZ62914	HLG62914	—
	3	HLZ38300	HLG38300	HLSS38300	3/4	2-1/2	HLZ75250	—	—
	3-1/2	HLZ38350	HLG38350	HLSS38350		3	HLZ75300	HLG75300	—
	4	HLZ38400	HLG38400	HLSS38400		3-1/2	HLZ75350	—	—
	4-1/2	HLZ38450	—	HLSS38450		4	HLZ75400	HLG75400	—
	5	HLZ38500	HLG38500	HLSS38500		4-1/2	HLZ75450	HLG75450	—
	5-1/2	HLZ38550	—	—		5	HLZ75500	HLG75500	—
	6	HLZ38600	HLG38600	HLSS38600		6	HLZ75600	HLG75600	—
	7	HLZ38700	HLG38700	—		7	HLZ75700	HLG75700	—
	8	HLZ38800	HLG38800	HLSS38800		8	HLZ75800	HLG75800	—
	10	HLZ38910	HLG38910	—		9	HLZ75900	HLG75900	—
	12	HLZ38912	—	—		10	HLZ751000	HLG75910	—
						12	HLZ751200	HLG75912	—
						14	—	HLG75914	—



PFH Zinc
Phillips Flat Head



PPH Zinc
Phillips Pan Head

Size	Length	PFH	PPH
4-40	1/4	—	MSPPHZ0440025
	3/8	—	MSPPHZ0440038
	1/2	—	MSPPHZ0440050
	3/4	—	MSPPHZ0440075
	1	MSPFHZ0440100	MSPPHZ0440100
	1-1/4	MSPFHZ0440100	MSPPHZ0440100
6-32	1/8	—	MSPPHZ0632013
	3/16	MSPFHZ0632019	—
	1/4	MSPFHZ0632025	MSPPHZ0632025
	5/16	MSPFHZ0632031	MSPPHZ0632031
	3/8	MSPFHZ0632038	MSPPHZ0632038
	1/2	MSPFHZ0632050	MSPPHZ0632050
	5/8	MSPFHZ0632062	MSPPHZ0632062
	3/4	MSPFHZ0632075	MSPPHZ0632075
	7/8	—	MSPPHZ0632087
	1	MSPFHZ0632100	MSPPHZ0632100
	1-1/4	MSPFHZ0632125	MSPPHZ0632125
	1-1/2	MSPFHZ0632150	MSPPHZ0632150
8-32	1-3/4	MSPFHZ0632175	MSPPHZ0632175
	2	MSPFHZ0632200	MSPPHZ0632200
	2-1/4	—	MSPPHZ0632225
	2-1/2	MSPFHZ0632250	MSPPHZ0632250
	3	MSPFHZ0632300	MSPPHZ0632300
	3/16	MSPFHZ0832019	—
	1/4	MSPFHZ0832025	MSPPHZ0832025
	5/16	MSPFHZ0832031	MSPPHZ0832031
	3/8	MSPFHZ0832038	MSPPHZ0832038
	1/2	MSPFHZ0832050	MSPPHZ0832050
	5/8	MSPFHZ0832062	MSPPHZ0832062
	3/4	MSPFHZ0832075	MSPPHZ0832075
	7/8	MSPFHZ0832087	MSPPHZ0832087
	1	MSPFHZ0832100	MSPPHZ0832100
	1-1/4	MSPFHZ0832125	MSPPHZ0832125
	1-1/2	MSPFHZ0832150	MSPPHZ0832150
	1-3/4	MSPFHZ0832175	MSPPHZ0832175
	2	MSPFHZ0832200	MSPPHZ0832200
	2-1/2	MSPFHZ0832250	MSPPHZ0832250
	3	MSPFHZ0832300	MSPPHZ0832300
	4	MSPFHZ0832400	MSPPHZ0832400

Size	Length	PFH	PPH	Size	Length	PFH	PPH
10-24	1/4	—	MSPPHZ1024025	1/4-20	1/4	—	MSPPHZ2520025
	5/16	MSPFHZ1024031	MSPPHZ1024031		5/16	—	MSPPHZ2520031
	3/8	MSPFHZ1024038	MSPPHZ1024038		3/8	MSPFHZ2520038	MSPPHZ2520038
	1/2	MSPFHZ1024050	MSPPHZ1024050		1/2	MSPFHZ2520050	MSPPHZ2520050
	5/8	MSPFHZ1024062	MSPPHZ1024062		5/8	MSPFHZ2520062	MSPPHZ2520062
	3/4	MSPFHZ1024075	MSPPHZ1024075		3/4	MSPFHZ2520075	MSPPHZ2520075
	7/8	MSPFHZ1024087	MSPPHZ1024087		7/8	MSPFHZ2520087	MSPPHZ2520087
	1	MSPFHZ1024100	MSPPHZ1024100		1	—	MSPPHZ2520100
	1-1/4	MSPFHZ1024125	—		1-1/4	MSPFHZ2520125	MSPPHZ2520125
	1-1/2	MSPFHZ1024150	—		1-1/2	MSPFHZ2520150	MSPPHZ2520150
	1-3/4	MSPFHZ1024175	MSPPHZ1024175		1-3/4	MSPFHZ2520175	MSPPHZ2520175
	2	MSPFHZ1024200	MSPPHZ1024200		2	MSPFHZ2520200	MSPPHZ2520200
	2-1/4	—	MSPPHZ1024225		2-1/4	MSPFHZ2520225	MSPPHZ2520225
	2-1/2	MSPFHZ1024250	MSPPHZ1024250		2-1/2	MSPFHZ2520250	MSPPHZ2520250
	3	MSPFHZ1024300	MSPPHZ1024300		3	MSPFHZ2520300	MSPPHZ2520300
	3-1/2	MSPFHZ1024350	—		3-1/2	MSPFHZ2520350	MSPPHZ2520350
	4	MSPFHZ1024400	MSPPHZ1024400		4	MSPFHZ2520400	MSPPHZ2520400
	5	MSPFHZ1024500	MSPPHZ1024500		4-1/2	MSPFHZ2520450	—
10-32	5-1/2	MSPFHZ1024550	—	5/16-18	5	MSPFHZ2520500	MSPPHZ2520500
	6	MSPFHZ1024600	MSPPHZ1024600		6	MSPFHZ2520600	MSPPHZ2520600
	1/4	MSPFHZ1032025	MSPPHZ1032025		1/2	MSPFHZ3118050	—
	5/16	MSPFHZ1032031	MSPPHZ1032031		5/8	—	MSPPHZ3118062
	3/8	MSPFHZ1032038	MSPPHZ1032038		3/4	MSPFHZ31181075	—
	7/16	MSPFHZ1032044	MSPPHZ1032044		1	MSPFHZ3118100	MSPPHZ3118100
	1/2	MSPFHZ1032050	MSPPHZ1032050		1-1/4	MSPFHZ3118125	MSPPHZ3118125
	5/8	MSPFHZ1032062	MSPPHZ1032062		1-1/2	MSPFHZ3118150	MSPPHZ3118150
	3/4	MSPFHZ1032075	MSHPHZ1032075		1-3/4	—	MSPPHZ3118175
	7/8	MSPFHZ1032087	MSPPHZ1032087		2	MSPFHZ3118200	MSPPHZ3118200
	1	MSPFHZ1032100	MSPPHZ1032100		2-1/2	MSPFHZ3118250	MSPPHZ3118250
	1-1/4	MSPFHZ1032125	MSPPHZ1032125		3	MSPFHZ3118300	MSPPHZ3118300
	1-1/2	MSPFHZ1032150	MSPPHZ1032150		3-1/2	—	MSPPHZ3118350
	1-3/4	MSPFHZ1032175	MSPPHZ1032175		4	MSPFHZ3118400	—
	2	MSPFHZ1032200	MSPPHZ1032200		4-1/2	MSPFHZ3118450	—
	2-1/4	MSPFHZ1032225	MSPPHZ1032225		5	MSPFHZ3118500	—
	2-1/2	MSPFHZ1032250	MSPPHZ1032250		1	MSPFHZ3816100	—
	3	MSPFHZ1032300	MSPPHZ1032300		1-1/4	MSPFHZ3816125	—
12-24	3/8	MSPFHZ1224038	F4-MSPP1224038	3/8-16	1-1/2	MSPFHZ3816150	MSPPHZ3816150
	1/2	MSPFHZ1224050	MSPPHZ1224050		2	MSPFHZ3816200	MSPPHZ3816200
	5/8	MSPFHZ1224062	MSPPHZ1224062		2-1/2	MSPFHZ3816250	—
	3/4	MSPFHZ1224075	MSPPHZ1224075		3	MSPFHZ3816300	—
	7/8	—	MSPPHZ1224087		3-1/2	MSPFHZ3816350	—
	1	MSPFHZ1224100	—		4	MSPFHZ3816400	—
	1-1/4	MSPFHZ1224125	MSPPHZ1224125		5	MSPFHZ3816500	MSPPHZ3816500
	1-1/2	MSPFHZ1224150	MSPPHZ1224150		6	MSPFHZ3816600	—
	2	MSPFHZ1224200	MSPPHZ1224200		1-1/4	MSPFHZ5013125	—
	2-1/2	MSPFHZ1224250	—				
	3	MSPFHZ1224300	—				

Some styles also available in Black Oxide, Brass & Stainless Steel

Please contact us for more information



PRH Zinc
Phillips Round Head

PTH Zinc
Phillips Truss Head

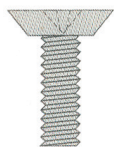
CRH Zinc
Combo Round - Slot/Phil Head

CTH Zinc
Combo Truss - Slot/Phil Head

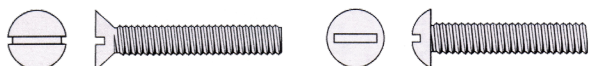
Size	Length	PRH	PTH
6-32	3/8	—	MSPTHZ06038
8-32	1/2	—	MSPTHZ08050
10-24	5/16	—	MSPTHZ1024031
	3/4	—	MSPTHZ1024075
	2	—	MSPTHZ1024200
10-32	3/8	—	MSPTHZ1032038
12-24	3/8	MSPRHZ1224038	—
1/4-20	1/2	—	MSPTHZ2520050
	3/4	—	MSPTHZ2520075
	1	—	MSPTHZ2520100
	1-1/4	—	MSPTHZ2520125
	1-1/2	—	MSPTHZ2520150
	1-3/4	—	MSPTHZ2520175
	2	—	MSPTHZ2520200
	2-1/4	—	MSPTHZ2520225
	2-1/2	—	MSPTHZ2520250
	3	—	MSPTHZ2520300
	3-1/2	—	MSPTHZ2520350
	6	MSPRHZ25600	MSPTHZ2520600
5/16-18	2	MSPRHZ31200	MSPTHZ3118200
	3	—	MSPTHZ3118300
	4	—	MSPTHZ3118400
3/8-16	3/4	MSPRHZ38075	—
	1	MSPRHZ38100	—
	1-1/4	MSPRHZ38125	—
	1-1/2	MSPRHZ38150	—
	3	MSPRHZ38300	—
	4	MSPRHZ38400	—
	6	MSPRHZ38600	—

Size	Length	CRH	CTH
6-32	1/2	MSCRHZ0632050	—
	3/4	MSCRHZ0632075	—
	1	MSCRHZ0632100	—
	1-1/4	MSCRHZ0632125	—
	1-1/2	MSCRHZ0632150	—
	2	MSCRHZ0632200	MSCTHZ0632200
	3	MSCRHZ0632300	—
	4	—	MSCTHZ0632400
8-32	3/8	MSCRHZ0832038	—
	1/2	MSCRHZ0832050	—
	3/4	MSCRHZ0832075	MSCTHZ0832075
	1	MSCRHZ0832100	MSCTHZ0832100
	1-1/8	—	MSCTHZ0832113
	1-1/4	MSCRHZ0832125	MSCTHZ0832125
	1-1/2	MSCRHZ0832150	MSCTHZ0832150
	1-5/8	—	MSCTHZ0832162
	1-3/4	MSCRHZ0832175	MSCTHZ0832175
	2	MSCRHZ0832200	MSCTHZ0832200
	2-1/2	MSCRHZ0832250	—
	3	MSCRHZ0832300	MSCTHZ0832300
10-24	1/2	MSCRHZ1024050	—
	3/4	MSCRHZ1024075	—
	1	MSCRHZ1024100	—
	1-1/4	MSCRHZ1024125	—
	1-1/2	MSCRHZ1024150	—
	2	MSCRHZ1024200	MSCTHZ1024200
	3	—	MSCTHZ1024300
10-32	6	—	MSCTHZ1024600
	3/8	MSCRHZ1032038	—
	1/2	MSCRHZ1032050	—
	3/4	MSCRHZ1032075	—
	1	MSCRHZ1032100	—
	1-1/4	MSCRHZ1032125	—
	1-1/2	MSCRHZ1032150	—
1/4-20	2	MSCRHZ1032200	—
	3/8	MSCRHZ2520038	—
	1/2	MSCRHZ2520050	MSCTHZ2520050
	3/4	MSCRHZ2520075	—
	1	MSCRHZ2520100	—
	1-1/4	MSCRHZ2520125	—
	1-1/2	MSCRHZ2520150	—
	2	MSCRHZ2520200	—
	2-1/2	MSCRHZ2520250	—
	3	MSCRHZ2520300	MSCTHZ2520300
	4	—	MSCTHZ2520400
	5	—	MSCTHZ2520500

PFUC Zinc
Phillips Flat Head - Undercut



Size	Length	PFUC
10-24	1/4	MSPFHUCZ1024025
	1/2	MSPFHUCZ1024050
	5/8	MSPFHUCZ1024062
12-24	3/8	MSPFHUCZ1224038
	1/2	MSPFHUCZ1224050
	5/8	MSPFHUCZ1224062
	3/4	MSPFHUCZ1224075
1/4-20	1/2	MSPFHUCZ2520050
	3/4	MSPFHUCZ2520075
	1	MSPFHUCZ2520100
	1-1/4	MSPFHUCZ2520125



SFH Zinc
Slotted Flat Head

SRH Zinc
Slotted Round Head

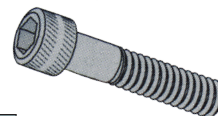
Size	Length	SFH	SRH
5/16-18	1	MSSFHZ3118100	MSSRHZ3118100
	1-1/2	—	MSSRHZ3118150
	2	MSSFH3118200	MSSRHZ3118200
	2-1/2	—	MSSRHZ3118250
	3	MSSFH3118300	MSSRHZ3118300
	3-1/2	MSSFH3118350	MSSRHZ3118350
	4	MSSFH3118400	—
3/8-16	5	—	MSSRHZ3118500
	6	—	MSSRHZ3118600
	3/4	—	MSSRHZ3816075
	1	—	MSSRHZ3816100
	1-1/4	—	MSSRHZ3816125
	1-1/2	—	MSSRHZ3816150
	2	—	MSSRHZ3816200
	2-1/2	—	MSSRHZ3816250
	3	MSSFHZ3816300	—
1/2-13	3-1/2	—	MSSRHZ3816350
	5	—	MSSRHZ3816500
	6	—	MSSRHZ3816600
	1	—	MSSRHZ5011300
	1-1/2	MSSFH25150	MSSRHZ5013150
	2-1/2	MSSFH25250	—
	4	—	MSSRHZ5013400
	5	—	MSSRHZ5013500
	6	—	MSSRHZ5013600



BHSCS Alloy Black Oxide
Button Head Socket Cap Screw

Size	Length	BHSC
4-40	1/2	BHSCSB0440050
6-32	3/8	BHSCSB0632038
	7/8	BHSCSB0632087
8-32	1-1/2	BHSCSB0632150
	1/4	BHSCSB0832025
	3/4	BHSCSB0832075
	7/8	BHSCSB0832087
10-24	3/8	BHSCSZ1024038
10-32	1/2	BHSCSZ1032050
1/4-20	1/2	BHSCSZ2520050
	5/8	BHSCSZ2520062
	3/4	BHSCSZ2520075
	1	BHSCSZ2520100
	1-1/4	BHSCSZ2520125
	1-1/2	BHSCSZ2520150
	1-3/4	BHSCSZ2425175
	2-1/4	BHSCSZ2520225
5/16-18	1/2	BHSCSZ3118050
	1	BHSCSZ3118100
38-16	1	BHSCSZ3816100
	2	BHSCSZ3816200
1/2-13	1	BHSCSZ5013100
	1-1/4	BHSCSZ5013125

SHC Alloy Black Oxide
Socket Head Cap Screws



Size	Length	SHC
4-48	12	SHCSB0448050
6-32	7/8	SHCSB0632087
	1	SHCSB0632100
	1-1/8	SHCSB0632113
8-32	1/2	SHCSB0832050
	5/8	SHCSB0832062
	3/4	SHCSB0832075
	1	SHCSB0832100
	1-3/4	SHCSB0832175
	2	SHCSB0832200
	1/2	SHCSB1024050
10-24	1-1/4	SHCSB1024125
	1-1/2	SHCSB1024150
	1/2	SHCSB1032050
10-32	7/8	SHCSB1032087
	2	SHCSB1032200
	3/8	SHCSB1228038
12-28	1/4	SHCSB2520025
	1/2	SHCSB2520050
	5/8	SHCSB2520062
	1	SHCSB2520100
	1-1/4	SHCSB2520125
	1-1/2	SHCSB2520150
	1-3/4	SHCSB2520175
	2	SHCSB2520200
	2-1/4	SHCSB2520225
	2-1/2	SHCSB2520250
1/4-20	2-3/4	SHCSB2520275
	3	SHCSB2520300
	1-1/2	SHCSB2528150
5/16-18	5/16	SHCSB3118031
	3/8	SHCSB311808
	5/8	SHCSB3118062
	3/4	SHCSB3118075
	1-3/4	SHCSB3118175
3/8-16	2	SHCSB3118200
	2-1/2	SHCSB3118250
	3/4	SHCSB3816075
	1	SHCSB3816100
	1-1/4	SHCSB3816125
	1-1/2	SHCSB3816150
	1-3/4	SHCSB3816175
	2	SHCSB3816200
	2-1/2	SHCSB3816250
	3	SHCSB3816300
7/16-14	4	SHCSB381600
	4-1/2	SHCSB3816450
	1/2	SHCSB4414050
	1	SHCSB4414100
	1-1/4	SHCSB4414125
	2	SHCSB4414200

SHC Alloy Black Oxide
Socket Head Cap Screws
CONTINUED

Size	Length	SHC
1/2-13	1/2	SHCSB5013050
	3/4	SHCSB5013075
	1	SHCSB5013100
	1-1/4	SHCSB5013125
	1-3/8	SHCSB5013138
	1-1/2	SHCSB5013150
	2	SHCSB5013200
	2-1/2	SHCSB5013250
	3	SHCSB5013300
5/8-11	7	SHCSB5013700
	5/8	SHCSB6211062



FHSCS Alloy Black Oxide
Flat Head Socket Cap Screw

Size	Length	PFH/UC
6-32	1/2	FHSCSB0632050
8-32	1/2	FHSCSB0832050
	5/8	FHSCSB0832062
	3/4	FHSCSB0832075
10-24	1-1/4	FHSCSB1024125
	1-1/2	FHSCSB1024150
10-32	1/2	FHSCSB1032050
1/4-20	3/8	FHSCSB2520038
	1	FHSCSB2520100
	1-1/4	FHSCSB2520125
	1-1/2	FHSCSB2520150
5/16-18	1/2	FHSCSB3118050
	3/4	FHSCSB3118075
	1	FHSCSB3118100
3/8-16	1	FHSCSB3816100
	2	FHSCSB3816200
	2-1/2	FHSCSB3816250
3/8-24	2-3/4	FHSCSB3824300
7/16-14	1	FHSCSB4414100
	1-1/4	FHSCSB4414125
1/2-13	1	FHSCSB5013100
	1-1/2	FHSCSB5013150
	1-3/4	FHSCSB5013175
	2	FHSCSB5013200



HWH Type F Zinc
Hex Washer Head -
Type F



PFH Type F Zinc
Phillips Flat Head -
Type F



PPH Type F Zinc
Phillips Pan Head -
Type F

Size	Length	HWH Type F	PFH Type F	PPH Type F
6-32	1/2	FHWHZ0632050	FPFHZ06032050	PPHZ0632050
	3/4	—	—	FPPHZ0632075
8-32	3/8	FHWHZ0832038	—	—
10-24	3/8	—	—	—
	1/2	FHWHZ1024050	—	—
	5/8	FHWHZ1024062	—	FPPHZ1024062
	3/4	—	—	—
	1	—	FPFHZ1024100	FPPHZ1024100
	1-1/4	FHWHZ1024125	—	—
10-32	2	FHWHZ1024200	—	—
	3/4	—	—	FPPHZ1032075
	1	—	—	FPPHZ1032100
	1-1/4	—	FPFHZ1032125	—
12-24	1-1/2	—	FPFHZ1032150	—
	3/8	FHWHZ1224038	—	—
	1	—	FPFHZ1224100	—
1/4-20	3/8	—	—	FPPHZ2520038
	1/2	FHWHZ2520050	—	—
	5/8	FHWHZ2520062	—	—
	3/4	FHWHZ2520075	FPFHZ2520075	FPPHZ2520075
	1	FHWHZ2520100	FPFHZ2520100	FPPHZ2520100
	1-1/4	FHWHZ2520125	—	—
	1-1/2	FHWHZ2520150	FPFHZ2520150	FPPHZ2520150
	2	FHWHZ2520200	FPFHZ2520200	—
	2-1/2	FHWHZ2520250	FPFHZ2520250	FPPHZ2520250
	3	FHWHZ2520300	FPFHZ2520300	—
	3-1/2	—	FPFHZ2520350	—
	4	—	FPFHZ2520400	—
5/16-18	1	FHWHZ3118100	—	—
	1-1/4	FHWHZ3118125	—	—
	1-1/2	—	FPFHZ3118150	—
	3	—	FPFHZ3118300	—
	4	—	FPFHZ3118400	—
3/8-16	3/4	—	FPFHZ3816075	—
	1	FHWHZ3816100	FPFHZ3816100	—
	1-1/4	FHWHZ3816125	FPFHZ3816125	—
	1-1/2	FHWHZ3816150	—	—
	2	FHWHZ3816200	FPFHZ3816200	—
	2-1/2	FHWHZ3816250	—	—
	3	FHWHZ3816300	FPFHZ3816300	—
	4	FHWHZ3816400	—	—
1/2-13	1	FHWHZ5013100	—	—
	1-1/2	FHWHZ5013150	—	—
	2	FHWHZ5013200	—	—
	3	FHWHZ5013300	—	—



PFH/UC Type F Zinc
Phillips Flat Head
UnderCut - Type F

Size	Length	PFH/UC
10-24	3/4	FPFHUCZ1024075
12-24	1/2	FPFHUCZ1224050
1/4-20	1	FPFHUCZ2520100

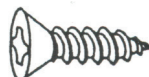
COMBO - Zinc
Pan Hd Combo (Phil/Slot)



HWH - Zinc
Hex Washer Hd



PFH - Zinc
Phillips Flat Hd



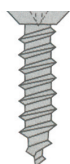
PPH - Zinc
Phillips Pan Hd



Size	Length	COMBO	HWH - ZINC	HWH - .304SS	PFH - ZINC	PFH - .304SS	PPH - ZINC	PPH - .304SS
#4	1/4	—	SMHWHZ0424025	—	—	SMPFHSS0424025	SMPPHZ0424025	SMPPHSS0424025
	3/8	—	SMHWHZ0424038	—	SMPFHZ0424038	—	SMPPHZ0424038	—
	1/2	—	SMHWHZ0424050	—	SMPFHZ0424050	—	SMPPHZ0424050	SMPPHSS0424050
	5/8	—	SMHWHZ0424062	—	SMPFHZ0424062	—	SMPPHZ0424062	—
	3/4	—	SMHWHZ0424075	—	SMPFHZ0424075	—	SMPPHZ0424075	—
	1	—	—	—	SMPFHZ0424100	—	SMPPHZ0424100	—
	1-1/4	—	—	—	SMPFHZ0424125	—	—	—
#5	3/8	—	—	—	—	—	—	SMPPHSS0520038
	1/2	—	—	—	SMPFHZ0520050	—	—	—
	5/8	—	—	—	—	—	SMPPHZ0520062	—
	3/4	—	—	—	SMPFHZ0520075	—	—	—
	1	—	—	—	SMPFHZ0520100	—	—	—
#6	1/4	—	SMHWHZ0620025	—	—	SMPFHSS0618025	SMPPHZ0620025	—
	3/8	SMCOMBO06038	SMHWHZ0620038	SMHWHSS0618038	SMPFHZ0620038	SMPFHSS0618038	SMPPHZ0618038	—
	1/2	SMCOMBO06050	SMHWHZ0620050	SMHWHSS0618050	SMPFHZ0618050	SMPFHSS0618050	SMPPHZ0618050	SMPPHSS0618050
	5/8	SMCOMBO06062	—	—	SMPFHZ0618062	SMPFHSS0618062	SMPPHZ0618062	SMPPHSS0618062
	3/4	SMCOMBO06075	SMHWHZ0620075	SMHWHSS0618075	SMPFHZ0618075	SMPFHSS0618075	SMPPHZ0618075	SMPPHSS0618075
	7/8	—	—	—	—	—	SMPPHZ0618087	—
	1	SMCOMBO06100	—	SMHWHSS0618100	SMPFHZ0618100	SMPFHSS0618100	SMPPHZ0618100	SMPPHSS0618100
	1-1/4	SMCOMBO06125	—	—	SMPFHZ0618125	SMPFHSS0618125	SMPPHZ0618125	SMPPHSS0618125
	1-1/2	—	—	—	SMPFHZ0618150	SMPFHSS0618150	SMPPHZ0618150	SMPPHSS0618150
	1-3/4	—	—	—	SMPFHZ0618175	SMPFHSS0618175	—	—
	2	—	—	—	SMPFHZ0618200	SMPFHSS0618200	SMPPHZ0618200	SMPPHSS0618200
	2-1/2	—	—	—	—	—	—	—
#7	1/4	—	—	—	—	—	SMPPHZ0719025	—
	3/8	—	—	—	—	—	SMPPHZ0719038	—
	1/2	—	SMHWHZ0716050	—	SMPFHZ0719050	—	SMPPHZ0716050	SMPPHSS0716050
	5/8	—	—	—	—	—	SMPPHZ0716062	—
	3/4	—	—	—	SMPFHZ0719075	—	SMPPHZ0716075	—
	7/8	—	—	—	—	—	SMPPHZ0716087	—
	1	—	—	—	SMPFHZ0716100	—	SMPPHZ0716100	—
	1-1/4	—	—	—	—	—	SMPPHZ0716125	—
	1-1/2	—	—	—	—	—	SMPPHZ0716150	—
#8	1/4	—	SMHWHZ0818025	—	—	—	SMPPHZ0818025	—
	3/8	—	—	—	—	SMPFHSS0815038	SMPPHZ0815038	SMPPHSS0815038
	1/2	SMCOMBO08050	SMHWHZ0815050	SMHWHSS0815050	SMPFHZ0815050	SMPFHSS0815050	SMPPHZ0815050	SMPPHSS0815050
	5/8	—	—	—	SMPFHZ0815062	SMPFHSS0815062	SMPPHZ0815062	SMPPHSS0815062
	3/4	SMCOMBO08075	SMHWHZ0815075	SMHWHSS0815075	SMPFHZ0815075	SMPFHSS0815075	SMPPHZ0815075	SMPPHSS0815075
	7/8	—	—	—	—	—	SMPPHZ0815087	—
	1	SMCOMBO08100	—	SMHWHSS0815100	SMPFHZ0815100	SMPFHSS0815100	SMPPHZ0815100	SMPPHSS0815100
	1-1/4	SMCOMBO08125	SMHWHZ0815125	SMHWHSS0815125	SMPFHZ0815125	SMPFHSS0815125	SMPPHZ0815125	SMPPHSS0815125
	1-1/2	SMCOMBO08150	—	SMHWHSS0815150	SMPFHZ0815150	SMPFHSS0815150	SMPPHZ0815150	SMPPHSS0815150
	1-3/4	—	SMHWHZ0815175	—	SMPFHZ0815175	SMPFHSS0815175	SMPPHZ0815175	SMPPHSS0815175
	2	SMCOMBO08200	SMHWHZ0815200	SMHWHSS0815200	SMPFHZ0815200	SMPFHSS0815200	SMPPHZ0815200	SMPPHSS0815200
	2-1/2	SMCOMBO08250	—	—	SMPFHZ0815250	SMPFHSS0815250	SMPPHZ0815250	SMPPHSS0815250
	3	—	SMHWHZ08300	—	SMPFHZ0815300	SMPFHSS0815300	SMPPHZ0815300	SMPPHSS0815300

Size	Lngh	COMBO - ZINC	HWH - ZINC	HWH - .304SS	PFH - ZINC	PFH - .340SS	PPH - ZINC	PPH - .304SS
#10	3/8	—	SMHWHZ1016038	—	SMPFHZ1016038	—	SMPPHZ1012038	SMPPHSS1012038
	1/2	SMCOMBO10050	SMHWHZ1012050	SMHWHSS1012050	SMPFHZ1016050	SMPFHSS1012050	SMPPHZ1012050	SMPPHSS1012050
	5/8	—	SMHWHZ1016062	—	SMPFHZ1012062	SMPFHSS1012062	SMPPHZ1012062	SMPPHSS1012062
	3/4	SMCOMBO10075	SMHWHZ1012075	SMHWHSS1012075	SMPFHZ1012075	SMPFHSS1012075	SMPPHZ1012075	SMPPHSS1012075
	7/8	—	—	—	—	—	SMPPHZ1012087	—
	1	SMCOMBO10100	SMHWHZ1012100	SMHWHSS1012100	SMPFHZ1012100	SMPFHSS1012100	SMPPHZ1012100	SMPPHSS1012100
	1-1/4	SMCOMBO10125	SMHWHZ1012125	SMHWHSS1012125	SMPFHZ1012125	SMPFHSS1012125	SMPPHZ1012125	SMPPHSS1012125
	1-1/2	SMCOMBO10150	SMHWHZ1012150	SMHWHSS1012150	SMPFHZ1012150	SMPFHSS1012150	SMPPHZ1012150	SMPPHSS1012150
	1-3/4	SMCOMBO10175	SMHWHZ1012175	—	SMPFHZ1012175	SMPFHSS1012175	SMPPHZ1012175	SMPPHSS1012175
	2	SMCOMBO10200	SMHWHZ1012200	SMHWHSS1012200	SMPFHZ1012200	SMPFHSS1012200	SMPPHZ1012200	SMPPHSS1012200
	2-1/2	SMCOMBO10250	SMHWHZ1012250	SMHWHSS1012250	SMPFHZ1012250	SMPFHSS1012250	SMPPHZ1012250	SMPPHSS1012250
	3	SMCOMBO10300	SMHWHZ1012300	SMHWHSS1012300	SMPFHZ1012300	SMPFHSS1012300	SMPPHZ1012300	SMPPHSS1012300
	3-1/2	—	—	—	SMPFHZ1012350	SMPFHSS1012350	SMPPHZ1012350	—
	—	—	—	—	—	—	—	—
#12	1/2	—	SMHWHZ1214050	SMHWHSS1211050	—	SMPFHSS1211050	SMPPHZ1211050	SMPPHSS1211050
	5/8	—	—	SMHWHSS1211062	SMPFHZ1211062	—	SMPPHZ1211062	—
	3/4	SMCOMBO12075	SMHWHZ1211075	SMHWHSS1211075	SMPFHZ1211075	SMPFHSS1211075	SMPPHZ1211075	SMPPHSS1211075
	7/8	—	—	—	—	—	SMPPHZ1211087	—
	1	SMCOMBO12100	SMHWHZ1211100	SMHWHSS1211100	SMPFHZ1211100	SMPFHSS1211100	SMPPHZ1211100	SMPPHSS1211100
	1-1/4	SMCOMBO12125	SMHWHZ1211125	SMHWHSS1211125	SMPFHZ1211125	SMPFHSS1211125	SMPPHZ1211125	SMPPHSS1211125
	1-1/2	SMCOMBO12150	SMHWHZ1211150	SMHWHSS1211150	SMPFHZ1211150	SMPFHSS1211150	SMPPHZ1211150	SMPPHSS1211150
	1-3/4	—	SMHWHZ1211175	—	SMPFHZ1211175	SMPFHSS1211175	SMPPHZ1211175	SMPPHSS1211175
	2	SMCOMBO12200	SMHWHZ1211200	SMHWHSS1211200	SMPFHZ1211200	SMPFHSS1211200	SMPPHZ1211200	SMPPHSS1211200
	2-1/2	SMCOMBO12250	SMHWHZ1211250	SMHWHSS1211250	SMPFHZ1211250	SMPFHSS1211250	SMPPHZ1211250	SMPPHSS1211250
	3	SMCOMBO12300	SMHWHZ1211300	SMHWHSS1211300	SMPFHZ1211300	SMPFHSS1211300	SMPPHZ1211300	SMPPHSS1211300
	3-1/2	—	SMHWHZ1211350	—	SMPFHZ1211350	SMPFHSS1211350	SMPPHZ1211350	SMPPHSS1211350
	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—
#14	1/2	SMCOMBO14050	SMHWHZ2510050	—	—	SMPFHSS2510050	SMPPHZ2510050	SMPPHSS2510050
	5/8	—	SMHWHZ2510062	SMHWHSS2510062	—	—	SMPPHZ2510062	—
	3/4	—	SMHWHZ2510075	SMHWHSS2510075	SMPFHZ2510075	SMPFHSS2510075	SMPPHZ2510075	SMPPHSS2510075
	7/8	—	—	—	—	—	SMPPHZ2510078	—
	1	SMCOMBO14100	SMHWHZ2510100	SMHWHSS2510100	SMPFHZ2510100	SMPFHSS2510100	SMPPHZ2510100	SMPPHSS2510100
	1-1/4	—	SMHWHZ2510125	SMHWHSS2510125	SMPFHZ2510125	SMPFHSS2510125	SMPPHZ2510125	SMPPHSS2510125
	1-1/2	SMCOMBO14150	SMHWHZ2510150	SMHWHSS2510150	SMPFHZ2510150	SMPFHSS2510150	SMPPHZ2510150	SMPPHSS2510150
	1-3/4	—	SMHWHZ2510175	SMHWHSS2510175	SMPFHZ2510175	SMPFHSS2510175	SMPPHZ2510175	—
	2	SMCOMBO14200	SMHWHZ2510200	SMHWHSS2510200	SMPFHZ2510200	SMPFHSS2510200	SMPPHZ2510200	SMPPHSS2510200
	2-1/2	SMCOMBO14250	SMHWHZ2510250	SMHWHSS2510250	SMPFHZ2510250	SMPFHSS2510250	SMPPHZ2510250	SMPPHSS2510250
	3	—	SMHWHZ2510300	SMHWHSS2510300	SMPFHZ2510300	SMPFHSS2510300	SMPPHZ2510300	SMPPHSS2510300
	3-1/2	—	—	SMHWHSS2510350	SMPFHZ2510350	SMPFHSS2510350	SMPPHZ2510350	SMPPHSS2510350
	4	—	SMHWHZ2510400	SMHWHSS2510400	SNOFGZ2510400	SMPFHSS2510400	SMPPHZ2510400	SMPPHSS2510400
	—	—	—	—	—	—	—	—

PFH/UC - AB Zinc
Phillips Flat Hd UnderCut



Size	Length	PFH/UC
#4	1/4	SMPFHUCZ0424025
#6	1/4	SMPFHUCZ0618025
#8	3/8	SMPFHUCZ0815038
	1/2	SMPFHUCZ0815050
#10	3/8	SMPFHUCZ1012038
	1/2	SMPFHUCZ1012050
	5/8	SMPFHUCZ1012062
	3/4	SMPFHUCZ1012075
	1	SMPFHUCZ1012100
#12	1/2	SMPFHUCZ1211050



PTH - Zinc
Phillips Truss Hd

Size	Length	PTH/UC
#6	3/8	SMPTHZ0618038
	5/8	SMPTHZ0618062
	3/4	SMPTHZ0618075
#8	1/2	SMPTHZ0815050
	5/8	SMPTHZ0815062
	3/4	SMPTHZ0815075
#10	1/2	SMPTHZ1012050
	3/4	SMPTHZ1012075
#12	1-1/2	SMPTHZ1211150



POH - Zinc
Phillips Oval Hd

Size	Length	POH (Bulk)
#6	1-1/4	SMPOHZ0618125
	1-1/2	SMPOHZ0618150
#8	1	SMPOHZ0815100
	1-1/2	SMPOHZ0815150
	1-3/4	SMPOHZ0815175
#10	1	SMPOHZ1012100
	1-1/4	SMPOHZ1012125
	1-1/2	SMPOHZ1012150
	2	SMPOHZ1012200
#12	3	SMPOHZ1211300
#14	2-1/2	SMPOHZ1410250

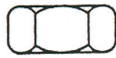


WOOD SCREWS

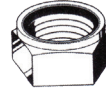
PFH (Phillips Flat Hd)

Size	Length	ZINC	BRASS
#4	1/2	WSPFHZ0422050	—
	3/4	—	WSPFHBR0422075
	1-1/2	WSPFHZ0422150	—
#6	3/8	WSPFHZ0618038	—
	1/2	WSPFHZ0618050	WSPFHBR0618050
	5/8	WSPFHZ0618062	—
	3/4	WSPFHZ0618075	WSPFHBR0618075
	7/8	WSPFHZ0618087	—
	1	WSPFHZ0618100	WSPFHBR0618100
	1-1/4	WSPFHZ0618125	—
	1-1/2	WSPFHZ0618150	—
	1-3/4	WSPFHZ0618175	—
	2	WSPFHZ0618200	WSPFHBR0618200
	2-1/4	WSPFHZ0618225	—
	2-1/2	WSPFHZ0618250	—
	1/2	WSPFHZ0815050	—
	5/8	WSPFHZ0815062	—
#8	3/4	WSPFHZ0815075	WSPFHBR0815075
	7/8	WSPFHZ0815087	—
	1	WSPFHZ0815100	WSPFHBR0815100
	1-1/4	WSPFHZ0815125	WSPFHBR0815125
	1-1/2	WSPFHZ0815150	WSPFHBR0815150
	1-3/4	WSPFHZ0815175	WSPFHBR0815175
	2	WSPFHZ0815200	WSPFHBR0815200
	2-1/4	WSPFHZ0815225	—
	2-1/2	WSPFHZ0815250	WSPFHBR0815250
	3	WSPFHZ0815300	WSPFHBR0815300
	3-1/2	WSPFHZ0815350	—
	4	WSPFHZ0815400	—
	1/2	WSPFHZ1012050	—
	5/8	WSPFHZ1012062	—
#10	3/4	WSPFHZ1012075	—
	7/8	WSPFHZ1012087	—
	1	WSPFHZ1012100	WSPFHBR1012100
	1-1/4	WSPFHZ1012125	—
	1-1/2	WSPFHZ1012150	WSPFHBR1012150
	1-3/4	WSPFHZ1012175	WSPFHBR1012175
	2	WSPFHZ1012200	WSPFHBR1012200
	2-1/4	WSPFHZ1012225	—
	2-1/2	WSPFHZ1012250	—
	3	WSPFHZ1012300	WSPFHBR1012300
	3-1/2	WSPFHZ1012350	—
	4	WSPFHZ1012400	—

Size	Length	ZINC	BRASS
#12	1/2	WSPFHZ1211050	—
	3/4	WSPFHZ1211075	—
	1	WSPFHZ1211100	—
	1-1/4	WSPFHZ1211125	—
	1-1/2	WSPFHZ1211150	WSPFHBR1211150
	1-3/4	WSPFHZ1211175	—
	2	WSPFHZ1211200	WSPFHBR1211200
	2-1/4	WSPFHZ1211225	—
	2-1/2	WSPFHZ1211250	WSPFHBR1211250
	3	WSPFHZ1211300	WSPFHBR1211300
	3-1/2	WSPFHZ1211350	—
	4	WSPFHZ1211400	—
#14	3/4	WSPFHZ1410075	—
	1	WSPFHZ1410100	—
	1-1/2	—	WSPFHBR1410150
	1-3/4	WSPFHZ1410175	WSPFHBR1410175
	2	WSPFHZ1410200	WSPFHBR1410200
	2-1/4	WSPFHZ1410225	—
	2-1/2	WSPFHZ1410250	—
	3	WSPFHZ1410300	—
	3-1/2	WSPFHZ1410350	—
	4	WSPFHZ1410400	—
	4-1/2	WSPFHZ1410450	—
	5	WSPFHZ1410500	—
#16	6	WSPFHZ1410600	—
	2-1/2	WSPFHZ1609250	—
	2-1/2	WSPFHZ1808250	—
#24	2	WSPFHZ2407200	—
	2-1/2	WSPFHZ2407250	—
	3	WSPFHZ2407300	—
	4	WSPFHZ2407400	—
	5	WSPFHZ2407500	—
	6	WSPFHZ2407600	—

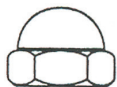


Hex Nuts



Nylon Insert Lock Nuts

Size	Hex Nut (Zinc)	Hex Nut SS (Stainless Steel)	Hex Nut GR 5 (Zinc)	Hex Nut GR 8 (Yellow Zinc)	Heavy Hex Nut (Zinc)	Nylon Insert Lock Nut (Zinc)	Nylon Insert Lock Nut GR C (Yellow Zinc)	Nylon Insert Lock Nut SS (Stainless Steel)
4-40	HNZ0440	HNSS0440	—	—	—	NLN0440	—	NLNSS0440
6-32	HNZ0632	HNSS0632	—	—	—	NLN0632	—	NLNSS0632
8-32	HNZ0832	HNSS0832	—	—	—	NLN0832	—	NLNSS0832
10-24	HNZ1024	HNSS1024	—	—	—	NLN1024	—	NLNSS1024
10-32	HNZ1032	HNSS1032	—	—	—	NLN1032	—	NLNSS1032
12-24	HNZ1224	HNSS1224	—	—	—	NLN1224	—	NLNSS1224
1/4-20	HNZ2520	HNSS2520	HN5Z2520	HN8YZ2520	HHNZ2520-A563	NLN2520	NLNC2520	NLNSS2520
1/4-28	HNZ2528	HNSS2528	—	—	—	NLN2528	—	—
5/16-18	HNZ3118	HNSS3118	HN5Z3118	HN8YZ3118	HHNZ3118-A563	NLN3118	NLNC3118	NLNSS3118
5/16-24	HNZ3124	—	HN5Z3124	HN8YZ3124	—	NLN3124	—	—
3/8-16	HNZ3816	HNSS3816	HN5Z3816	HN8YZ3816	HHNZ3816-A563	NLN3816	NLNC3816	NLNSS3816
3/8-24	HNZ3824	—	HN5Z3824	—	—	NLN3824	NLNC3824	—
7/16-14	HNZ4414	HNSS4414	HN5Z4414	HN8YZ4414	HHNZ4414-A563	NLN4414	NLNC4414	NLNSS4414
7/16-20	—	—	HN5Z4420	—	—	NLN4420	NLNC4420	—
1/2-13	HNZ5013	HNSS5013	HN5Z5013	HN8YZ5013	HHNZ5013-A563	NLN5013	NLNC5013	NLNSS5013
1/2-20	—	—	HN5Z5020	—	—	—	NLNC5020	NLNSS5020
9/16-12	HNZ5612	—	—	HN8YZ5612	HHNZ5612-A563	NLN5612	—	—
5/8-11	HNZ6211	HNSS6211	HN5Z6211	HN8YZ6211	HHNZ6211-A563	NLN6211	NLNC6211	NLNSS6211
5/8-18	—	—	—	—	—	NLNF6218	—	NLNSS6218
3/4-10	HNZ7510	HNSS7510	HN5Z7510	HN8YZ7510	HHNZ7510-A563	NLN7510	NLNC7510	NLNSS7510
7/8-9	HNZ8709	HNSS8709	HN5Z8709	HN8YZ8709	HHNZ8709-A563	—	—	—
1-8	HNZ910008	HNSS910008	HN5Z910008	HN8YZ910008	HHNZ910008-A563	—	—	—
1-1/8-7	HNZ911307	HNSS911307	HN5Z911307	—	HHNZ911307-A563	—	—	—
1-1/4-7	HNZ912507	HNSS912507	—	—	HHNZ912507-A563	—	—	—
1-1/2-6	HNZ915006	—	HN5Z915006	—	HHNZ915006-A563	—	—	—
1-3/8-6	—	HNSS913816	—	—	—	—	—	—
1-3/4-5	HNZ917505	—	—	—	—	—	—	—



Acorn Nuts



Kep Nuts



Serrated Flange Nuts



T-Nuts



Wing Nuts

Size	Acorn Nut (Nickel Finish)	Acorn Nut SS (Stainless Steel)	Kep Star Nut (Zinc)	Serrated Flange Nut (Zinc)	T-Nut (Zinc)	Wing Nut (Zinc)
4-40	—	—	HKEPNZ0440	—	—	—
6-32	AN0632	—	HKEPNZ0632	SFNZ0632	TN0632	—
8-32	AN0832	ANSS0832	HKEPMZ0832	SFNZ0832	TN0832	WNZ0832
10-24	AN1024	ANSS1024	HKEPNZ1024	SFNZ1024	—	WNZ1024
10-32	AN1032	—	HKEPNZ1032	—	—	—
1/4-20	AN2520	ANSS2520	HKEPNZ2520	SFNZ2520	TN2520	WNZ2520
1/4-28	—	—	—	SFNZ2528	—	—
5/16-18	AN3118	ANSS3118	HKEPNZ3118	SFNZ3118	TN3118	WNZ3118
3/8-16	AN3816	AMSS3816	HKEPNZ3816	SFNZ3816	TN3816	WNZ3816
7/16-14	—	—	—	SFNZ4414	—	WNZ4414
1/2-13	AN5013	ANSS5013	—	SFNZ5013	TN5013	WNZ5013
5/8-11	—	—	—	SFNZ6211	—	WNZ6211
3/4-10	—	ANSS7510	—	SFNZ7510	—	—



Flat Washers

Size	SAE Flat (Zinc)	USS Flat (Zinc)	USS Flat (Galvanized)	SAE Flat Yellow Zinc (Hardened)	USS Flat Yellow Zinc (Hardened)	Flat (Brass)
#4	FWSAEZ04	—	—	—	—	—
#6	FWSAEZ06	—	—	—	—	FWBR06
#8	FWSAEZ08	—	—	—	—	FWBR08
#10	—	—	—	—	—	FWBR10
3/16	—	FWZ19	—	—	—	—
1/4	FWSAEZ25	FWZ25	FWG25	FWHYZSAE25	FWHYZ25	FWBR25
5/16	FWSAEZ31	FWZ31	FWG31	FWHYZSAE31	FWHYZ31	FWBR31
3/8	FWSAEZ38	FWZ38	FWG38	FWHYZSAE38	FWHYZ38	—
7/16	—	FWZ44	FWG44	FWHYZSAE44	FWHYZ44	—
1/2	FWSAEZ50	FWZ50	FWG50	FWHYZSAE50	FWHYZ50	—
9/16	—	FWZ56	—	—	WHYZ56	—
5/8	FWSAEZ62	FWZ62	FWG62	FWHYZSAE62	FWHYZ62	—
3/4	FWSAEZ75	FWZ75	FWG75	FWHYZSAE75	FWHYZ75	FWBR75
7/8	FWSAEZ87	FWZ87	FWG87	FWHYZSAE87	FWHYZ87	—
1	FWSAEZ100	FWZ9100	FWG9100	—	FWHYZ9100	—
1-1/8	—	FWZ9113	—	—	FWHYZ9113	—
1-1/4	—	FWZ9125	FWG9125	—	—	—
1-3/8	—	FWZ9138	—	—	—	—
1-1/2	—	—	—	—	FWHYZ9150	—
1-3/4	—	FWZ9175	—	—	—	—
1-7/8	—	FWZ9187	—	—	—	—
2	—	—	FWG9200	—	—	—



Finish Washers

Size	Nickel	Brass	Stainless Steel
#6	FINW06	FINWBR06	FINWSS06
#8	FINW08	FINWBR08	FINWSS08
#10	FINW10	FINWBR10	FINWSS10
#12	FINW12	FINWBR12	FINWSS12
1/4	FINW14	FINWBR14	FINWSS25
5/16	FINW31	—	FINWSS31
3/8	—	—	FINWSS38



Lock Washers



Size	Internal Tooth Zinc	External Tooth Zinc
#6	INTLW06	EXTLW06
#8	INTLW08	EXTLW08
#10	INTLW10	EXTLW10
1/4	INTLW25	EXTLW25
5/16	—	EXTLW31
1/2	—	EXTLW50
7/8	—	EXTLW87
1	—	EXTLW97



Fender Washers

Size	Zinc
3/16 X 1	FENDWZ19100
3/16 X 1-1/4	FENDWZ19125
1/4 X 1	FENDWZ25100
1/4 X 1-1/4	FENDWZ25125
1/4 X 1-1/2	FENDWZ25150
1/4 X 2	FENDWZ25200
5/16 X 1-1/4	FENDWZ31125
5/16 X 1-1/2	FENDWZ31150
5/16 X 1-5/8	FENDWZ31162
3/8 X 1-1/4	FENDWZ38125
3/8 X 1-1/2	FENDWZ38150
3/8 X 1-3/4	FENDWZ38175
3/8 X 200	FENDWZ38200
1/2 X 2	FENDWZ50200

Bonded Washers



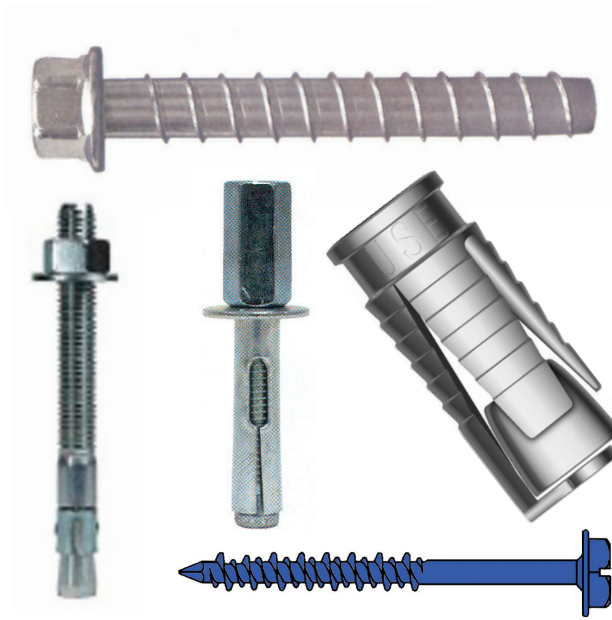
Size	Galvanized	Stainless Steel
#8 X 1/2	BWG08050	BWSS08050
#10 X 1/2	BWG08050	BWSS10050
#12 X 5/8	BWG12062	BWSS12062
#14 X 5/8	BWG14062	BWSS14062
#14 X 1	BWG14100	BWSS14100
1/4 X 1	—	BWSS25100
5/16 X 1	—	BWSS31100
3/8 X 3/4	—	BWSS38075
3/8 X 7/8	—	BWSS38087
3/8 X 1-1/2	—	BWSS38150
1/2 X 1	—	BWSS50100



Split Lock Washers

Size	Zinc	Galvanized	Yellow Zinc (Hardened)	Stainless Steel
#4	LWZ04	—	—	LWSS04
#6	LWZ06	—	—	LWSS06
#8	LWZ08	—	—	LWSS08
#10	LWZ10	—	—	LWSS10
#12	LWZ12	—	—	LWSS12
1/4	LWZ25	LWG25	LWHYZ25	LWSS25
5/16	LWZ31	LWG31	LWHYZ31	LWSS31
3/8	LWZ38	LWG38	LWHYZ38	LWSS38
7/16	LWZ44	—	LWHYZ44	LWSS43
1/2	LWZ50	LWG50	LWHYZ50	LWSS50
5/8	LWZ62	LWG62	LWHYZ62	LWSS62
3/4	LWZ75	LWG75	LWHYZ75	LWSS75
7/8	LWZ87	—	LWHYZ87	LWSS87
1	LWZ9100	LWG9100	LWHYZ910	LWSS99
1-1/8	LWZ9118	—	—	—
1-1/4	LWZ9125	—	—	—

Construction Anchors





Titen HD® High Strength Screw Anchors for Concrete & Masonry	61-62
Titen HD® Stainless Steel and Rod Hangers	63
Wedge Anchors	64
Carbon Steel Wedge Anchors	65
Stainless Steel Wedge Anchors	66
Blue Banger Hanger®	67
Sleeve Anchors	68-69
AT Acrylic Based Adhesive Anchor Systems	70
SET/SETHTP High Strength Epoxy Adhesive Anchor Systems	71
ET-HP Two-Component Adhesive Anchor	72
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Plastic Screw Anchors	88-89

The Titen HD® is a patented, high-strength threaded anchor for concrete and masonry. The self-undercutting, non-expansion characteristics of the Titen HD makes it the ideal anchor for structural applications, even at minimum edge distances and under reduced spacing conditions. The proprietary cutting teeth enable the Titen HD to be installed in one eighth of the time when

compared to traditional expansion anchors, and at significantly reduced installation torques. This heat-treated anchor undercuts the concrete to create a strong mechanical interlock over the entire length of the anchor. The anchor can be installed with a standard ANSI tolerance drill bit and is removable. Recommended for permanent dry, non-corrosive applications or temporary outdoor applications. Contact Fastenrite for more information.

APPLICATIONS:

- Structural Steel
- Fixtures and machinery
- Material handling – racking, conveyors
- Ledgers and mudsills
- Safety equipment – guardrails, railings, fencing
- Strut and pipe hangers

MATERIAL: Carbon steel, heat treated

FINISH: Zinc plated or mechanically galvanized

CODES: ICC ESR-1056; City of L.A. RR25560; Florida FL 2304.2; Factory Mutual 3017082; 3/4" diameter Meadow-Burke approved for tilt-up wall bracing

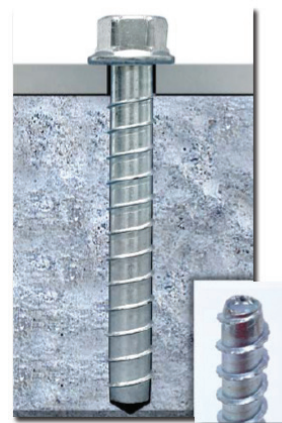
INSTALLATION: Holes in steel or metal fixtures to be mounted should match the diameter specified in the table.

Caution: Oversized holes in the base material will reduce or eliminate the mechanical interlock of the threads with the base material and will reduce the anchor's load capacity.

Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified embedment depth plus 1/2" to allow the thread tapping dust to settle and blow it clean using compressed air. Overhead installations need not be blown clean. Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling and tapping.

Insert the anchor through the fixture and into the hole.

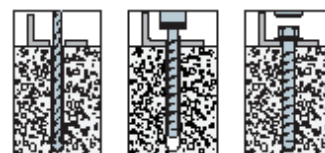
Tighten the anchor into the base material until the hex washer head contacts the fixture.



Serrated teeth on the tip of the Titen HD facilitate cutting and reduce installation torque.



U.S. Patent
5,674,035 & 6,623,228



Installation Sequence

Performance Features

Higher load capacity and vibration resistance: Threads along the length of the anchor efficiently transfer the load to the base material. Ratchet teeth on the underside of the hex-washer head help prevent the anchor from loosening in vibratory conditions.

Specialized Heat Treating Process: Creates superior surface hardness at the tip to facilitate cutting, while at the same time not compromising ductility within the anchor body.

Less spacing and edge distance required: The anchor does not exert expansion forces on the base material.
Easy post-installation inspection: The head is stamped with the Simpson "S" sign and the anchor length in inches.

Installation Features

No special drill bit needed: Designed to install using standard sized ANSI tolerance drill bits.

Installs with 50% less torque: Testing shows that when compared to competitors, the Titen HD requires 50% less torque to be installed in concrete. The serrated teeth on the lead threads facilitate cutting, allowing the remainder of the threads to follow with very little friction. This enables the user to install the anchor using wrenches or cordless tools.

Less installation time: No secondary setting or torquing is required.

Hex-washer head: Requires no separate washer and provides a clean installed appearance.

Removable: Ideal for temporary anchoring (e.g. form work, bracing) or applications where fixtures may need to be moved. Re-use of the anchor to achieve listed load values is not recommended.

DESIGNED TO BE BETTER

The Titen HD® has been designed to offer maximum anchor performance when compared to other anchor types of the same, or in some cases, larger diameter.

Full Shank Diameter: The actual diameter of the anchor shank, not the outside diameter of the threads, is equal to the nominal diameter of the anchor. A 5/8" diameter Titen HD has a full 5/8" diameter shank. This gives the Titen HD higher shear values than competitive products which are undersized. It also allows the Titen HD to be installed with commonly used ANSI standard carbide tipped drill bits.

Deeper Cutting Threads: The threads on the Titen HD are larger in diameter in relation to the shank than competitive products. They are designed to undercut the concrete and provide higher tension values, as well as resistance to vibratory and dynamic loads.



Titen HD Anchor - Zinc Plated

Size (in)	Order Number	Drill Bit Dia. (in)	Wrench Size (in)	Quantity	
				Box	Carton
1/4 x 1-3/4	THD25175	1/4	3/8	100	500
1/4 x 1-7/8	THD25178			100	500
1/4 x 2-1/4	THD25214			50	250
1/4 x 2-3/4	THD25275			50	250
1/4 x 3	THD25300			50	250
1/4 x 4	THD25400			50	250
3/8 x 1-3/4	THD38134	3/8	9/16	50	250
3/8 x 2-1/2	THD38250			50	200
3/8 X 3	THD38300			50	200
3/8 X 4	THD38400			50	200
3/8 X 5	THD38500			50	100
3/8 X 6	THD38600			50	100
1/2 X 3	THD50300	1/2	3/4	25	100
1/2 X 4	THD50400			20	80
1/2 X 5	THD50500			20	80
1/2 X 6	THD50600			20	80
1/2 X 6-1/2	THD50650			20	80
1/2 X 8	THD50800			20	40
1/2 X 12	THD50912			20	40
1/2 X 13	THD50913			20	40
1/2 X 14	THD50914			20	40
1/2 X 15	THD50915			20	40
5/8 X 4	THD62400	5/8	15/16	10	40
5/8 X 5	THD62500			10	40
5/8 X 6	THD62600			10	40
5/8 X 6-1/2	THD62650			10	40
5/8 X 8	THD62800			10	40
3/4 X 4	THD75400	3/4	1-1/8	10	40
3/4 X 5	THD75500			5	20
3/4 X 6	THD75600			5	20
3/4 X 7	THD75700			5	10
3/4 x 8-1/2	THD75850			5	10
3/4 x 10	THD759100			5	10

Titen HD Anchor - Mechanically Galvanized

Size (in)	Order Number	Drill Bit Dia. (in)	Wrench Size (in)	Quantity	
				Box	Carton
3/8 x 3	THDMG38300	3/8	9/16	50	200
3/8 x 4	THDMG38400			50	200
3/8 X 5	THDMG38500			50	100
3/8 X 6	THDMG38600			50	100
1/2 x 3	THDMG50300	1/2	3/4	50	150
1/2 x 4	THDMG50400			20	80
1/2 X 5	THDMG50500			20	80
1/2 X 6	THDMG50600			20	80
1/2 X 6-1/2	THDMG50650			20	80
1/2 X 8	THDMG50800			20	80
5/8 X 5	THDMG62500	5/8	15/16	10	40
5/8 X 6	THDMG62600			10	40
5/8 X 6-1/2	THDMG62650			10	40
5/8 X 8	THDMG62800			10	40
3/4 x 10	THDMG759100	3/4	15/16	5	10

Hole Dimensions

Titen HD Dia (in)	Wrench Size (in)	Recommended Fixture Hole Size (in)	Min. Hole Depth Overdrill (in)
1/4	3/8	3/8	1/8
		7/16	
3/8	9/16	1/2	1/4
		9/16	
1/2	3/4	5/8	1/2
		11/16	
5/8	15/16	3/4	1/2
		13/16	
3/4	1-1/8*	7/8	1/2
		15/16	

*12 point socket required

Titen HD Anchor - .304 Stainless Steel

Size (in)	Order Number	Drill Bit Dia. (in)	Wrench Size (in)	Quantity	
				Box	Carton
3/8 X 3	THDHWSS38300	3/8	9/16	50	200
3/8 X 4	THDHWSS38400			50	200
3/8 X 5	THDHWSS38500			50	100
3/8 X 6	THDHWSS38600			50	100
1/2 X 3	THDHWSS50300	1/2	3/4	25	100
1/2 X 4	THDHWSS50400			20	80
1/2 X 5	THDHWSS50500			20	80
1/2 X 6	THDHWSS50600			20	80
1/2 X 6-1/2	THDHWSS50650			20	40
1/2 X 8	THDHWSS50800			20	40
5/8 X 4	THDHWSS62400	5/8	15/16	10	40
5/8 X 5	THDHWSS62500			10	40
5/8 X 6	THDHWSS62600			10	40
5/8 X 6-1/2	THDHWSS62650			10	40
5/8 X 8	THDHWSS62800	3/4	1-1/8	10	40
3/4 X 4	THDHWSS75400			5	20
3/4 X 5	THDHWSS75500			5	20
3/4 X 6	THDHWSS75600			5	10
3/4 X 7	THDHWSS75700			5	10
3/4 x 8-1/2	THDHWSS75850				

Titen HD Anchor - .316 Stainless Steel

Size (in)	Order Number	Drill Bit Dia. (in)	Wrench Size (in)	Quantity	
				Box	Carton
3/8 X 3	THDHWSS38300-316	3/8	9/16	50	200
3/8 X 4	THDHWSS38400-316			50	200
3/8 X 5	THDHWSS38500-316			50	100
3/8 X 6	THDHWSS38600-316			50	100
1/2 X 3	THDHWSS50300-316	1/2	3/4	25	100
1/2 X 4	THDHWSS50400-316			20	80
1/2 X 5	THDHWSS50500-316			20	80
1/2 X 6	THDHWSS50600-316			20	80
1/2 X 6-1/2	THDHWSS50650-316			20	40
1/2 X 8	THDHWSS50800-316			20	40
5/8 X 4	THDHWSS62400-316	5/8	15/16	10	40
5/8 X 5	THDHWSS62500-316			10	40
5/8 X 6	THDHWSS62600-316			10	40
5/8 X 6-1/2	THDHWSS62650-316			10	40
5/8 X 8	THDHWSS62800-316	3/4	1-1/8	10	40
3/4 X 4	THDHWSS75400-316			5	20
3/4 X 5	THDHWSS75500-316			5	20
3/4 X 6	THDHWSS75600-316			5	10
3/4 X 7	THDHWSS75700-316			5	10
3/4 x 8-1/2	THDHWSS75850-316				

QUICK, EFFORTLESS INSTALLATION

The Titen HD® Rod Hanger is a high-strength screw anchor providing a conveniently fast way to suspend threaded rod from concrete slabs and beams. Installation of overhead applications, such as hanging pipes, and fixtures is easy and effortless. No special tool or secondary setting process is required. Just drill a hole and drive th anchor.

Features:

- * Compatible with 1/4", 3/8" and 1/2" diameter threaded rod
- * High load capacity as a result of the full length threads that undercut the concrete and effectively transfer load into the base material
- * Specialized heat treating process creates high hardness at the tip to facilitate cutting while the body remains ductile
- * No special setting tools required, installs with a rotary hammer or hammer drill, ANSI size bits and standard sockets
- * Less installation time translates to lower installed cost

Material:

Carbon steel, heat treated

Finish:

Zinc plated

**Titen HD Rod Hanger**

Size (in)	Item Number	Accepts Rod Dia. (in.)	Drill Bit Dia. (in)	Wrench Size (in)	Min. Embed.	Quantity	
						Box	Carton
1/4 X 1-1/2	THD25112RH	1/4	1/4	3/8	1-1/2	100	500
3/8 X 2-1/8	THD37218RH	3/8	1/4	1/2	2-1/8	50	250
1/2 X 2-3/4	THD50234RH	1/2	3/8	11/16	2-3/4	50	200

Wedge Anchors are a threaded, torque-controlled expansion anchor designed to be used in normal concrete and/or sand-lightweight concrete. The expansion clip ensures uniform holding capacity that increases as tension is applied. Nut and washer are included.

The threaded stud version is available in nine diameters and multiple lengths. A single size tie-wire version is available for wire supported fixtures. Threaded studs are set by tightening the nut. Tie-wire anchors are set with the claw end of a hammer.



APPLICATIONS:

- Structural Steel
- Fixtures and machinery
- Material handling – racking, conveyors
- Ledgers and mudsills
- Safety equipment – guardrails, railings, fencing
- Strut and pipe hangers

SPECIAL FEATURES:

- One piece wrap around clip
- Threaded end is chamfered for ease of starting nut
- Most sizes feature full thread for added versatility

MATERIAL: Carbon and stainless steel

FINISH: Carbon steel anchors are available zinc plated or mechanically galvanized, mechanically galvanized meets ASTM B695 Class 65 Type 1

CODES: ICC/ICBO ER-3631; City of L.A. RR24682; Dade County 01-0820.06; Factory Mutual 3017082; Underwriters Laboratories File Ex3605; meets requirements of Federal Specifications A-A-1923A, Type 4.

Caution: The Load Tables list values based upon results from the most recent testing and may not reflect those in current code reports. Where code jurisdictions apply, consult the current reports for applicable load values.

INSTALLATION:

- Holes in steel or metal fixtures to be mounted should exceed nominal anchor diameter by 1/16" for 1/4" thru 5/8" diameter bolts, and by 1/8" for all other diameters
- Do not use an impact wrench to set or tighten the Wedge-All.

CAUTION: Oversized holes in the base material will make it difficult to set the anchor and will reduce the anchor's load capacity.

Threaded studs:

- Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified embedment depth and blow it clean using compressed air. Overhead installations need not be blown clean. Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling.

- Assemble the anchor with nut and washer so the top of the nut is flush with the top of the anchor. Place the anchor in the fixture and drive into the hole until washer and nut are tight against fixture.

- Tighten to the required installation torque.

Tie-Wire:

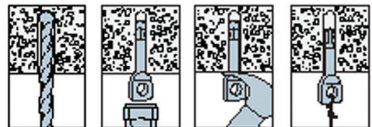
- Drill a hole at least 1-1/2" deep using a 1/4" diameter carbide tipped bit.
- Drive the anchor into the hole until the head is seated against the base material.
- Set the anchor by prying/pulling the head with the claw end of the hammer.



Installation Sequence



Tie-Wire Installation Sequence



Installation Data

Wedge-All Dia.	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Bit Size (in)	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
Fixture Hole (in)	5/16	7/16	9/16	11/16	7/8	1	1-1/8	1-3/8	1-5/8
Wrench Size (in)	7/16	9/16	3/4	15/16	1-1/8	1-1/2	1-1/2	1-7/8	2-1/4

Product Data

Carbon Steel, Zinc Plated and Mechanically Galvanized Finishes

Size (in)	Zinc Plated Carbon Steel	Mechanically Galvanized	Drill Bit Dia. (in)	Thread Length	Quantity	
					Box	Carton
1/4 X 1-3/4	WA25175	WAMG25175	1/4"	15/16	100	500
1/4 X 2-1/4	WA25225	WAMG25225		1-7/16	100	500
1/4 X 3-1/4	WA25325	WAMG25325		2-7/16	100	500
3/8 X 2-1/4	WA38225	WAMG38225	3/8"	1-1/8	50	250
3/8 X 2-3/4	WA33275	WAMG38275		1-5/8	50	250
3/8 X 3	WA38300	WAMG38300		1-7/8	50	250
3/8 X 3-1/2	WA38350	WAMG38350		2-1/2	50	250
3/8 X 3-3/4	WA38375	WAMG38375		2-5/8	50	250
3/8 X 5	WA38500	WAMG38500		3-7/8	50	200
3/8 X 7	WA38700	WAMG38700		5-7/8	50	200
1/2 X 2-3/4	WA50275	WAMG50275	1/2"	1-5/16	25	125
1/2 X 3-3/4	WA50375	WAMG50375		2-5/16	25	125
1/2 X 4-1/4	WA50425	WAMG50425		2-13/16	25	100
1/2 X 5-1/2	WA50550	WAMG50550		4-1/16	25	100
1/2 X 7	WA50700	WAMG50700		4-9/16	25	100
1/2 X 8-1/2	WA50850	WAMG50850		6	25	50
1/2 X 10	WA50910	WAMG50910		6	25	50
1/2 X 12	WA50912	WAMG50912		6	25	50
5/8 X 3-1/2	WA62350	WAMG62350	5/8"	1-7/8	20	80
5/8 X 4-1/2	WA62450	WAMG62450		2-7/8	20	80
5/8 X 5	WA62500	WAMG62500		3-3/8	20	80
5/8 X 6	WA62600	WAMG62600		4-3/8	20	80
5/8 X 7	WA62700	WAMG62700		5-3/8	20	80
5/8 X 8-1/2	WA62850	WAMG62850		6	20	40
5/8 X 10	WA62910	WAMG62910		6	10	20
5/8 X 12	WA62912	WAMG62912		6	10	20
3/4 X 4-1/4	WA75425	WAMG75425	3/4"	2-3/8	10	40
3/4 X 4-3/4	WA75475	WAMG75475		2-7/8	10	40
3/4 X 5-1/2	WA75550	WAMG75550		3-5/8	10	40
3/4 X 6-1/4	WA75625	WAMG75625		4-3/8	10	40
3/4 X 7	WA75700	WAMG75700		5-1/8	10	40
3/4 X 8-1/2	WA75850	WAMG75850		6	10	20
3/4 X 10	WA75910	WAMG75910		6	10	20
3/4 X 12	WA75912	WAMG75912		6	5	10
7/8 X 6	WA87600	WAMG87600	7/8"	2-1/8	5	20
7/8 X 8	WA87800	WAMG87800		2-1/8	5	10
7/8 X 10	WA87910	WAMG87910		2-1/8	5	10
7/8 X 12	WA87912	WAMG87912		2-1/8	5	10
1 X 6	WA97600	WAMG97600	1"	2-1/4	5	20
1 X 9	WA97900	WAMG97900		2-1/4	5	10
1 X 12	WA97912	WAMG97912		2-1/4	5	10
1-1/4 X 9	WA98900	WAMG98900	1-1/4"	2-3/4	5	10
1-1/4 X 12	WA98912	WAMG98912		2-3/4	5	10
1-1/4 X 9	WA98900	WAMG98900	1-1/4"	2-3/4	5	10
1-1/4 X 12	WA98912	WAMG98912		2-3/4	5	10

1. The published length is the overall length of the anchor. Allow one anchor diameter for the nut and washer thickness plus the fixture thickness when selecting the minimum length.

2. Special lengths are available on request. Load values are valid as long as minimum embedment depths are satisfied.

3. Tie-Wire Wedge-All, overall length is 2".

4. TWD25112 Tie-Wire Wedge-All also available in bulk quantity of 2,000, model TWD25112B.

Material Specifications

Carbon Steel - Zinc Plated & Mechanically Galvanized			
Component Materials			
Anchor Body	Nut	Washer	Clip
Material Meets minimum 70,000 psi tensile strength	Carbon Steel ASTM A 563, Grade A	Carbon Steel	Carbon Steel

1. Mechanical Galvanizing meets ASTM B695, Class 65, Type 1



Application for Zinc Plated:

Interior environment, low level of corrosion resistance desired.



Application for Mechanically Galvanized:

Exterior unpolluted environment, low to medium level of corrosion resistance desired. Well suited to damp, humid environments in coastal areas.

Type .304/.303 & Type .316 Stainless Steel

Size (in)	304/303 Stainless Steel	.316 Stainless Steel	Drill Bit Dia. (in)	Thread Length	Quantity	
					Box	Carton
1/4 X 1-3/4	WASS25175	—	1/4	15/16	100	500
1/4 X 2-1/4	WASS25225	WASS25225316		1-7/16	100	500
1/4 X 3-1/4	WASS25325	—		2-7/16	100	500
3/8 X 2-1/4	WASS38225	—	3/8	1-1/8	50	250
3/8 X 2-3/4	WASS38275	WASS38275316		1-5/8	50	250
3/8 X 3	WASS38300	—		1-7/8	50	250
3/8 X 3-1/2	WASS38350	—		2-1/2	50	250
3/8 X 3-3/4	WASS38375	WASS38375316		2-5/8	50	250
3/8 X 5	WASS38500	WASS38500316		3-7/8	50	200
3/8 X 7	WASS38700	—		5-7/8	50	200
1/2 X 2-3/4	WASS50275	—	1/2	1-5/16	25	125
1/2 X 3-3/4	WASS50375	—		2-5/16	25	125
1/2 X 4-1/4	WASS50425	—		2-13/16	25	100
1/2 X 5-1/2	WASS50550	WASS50550316		4-1/16	25	100
1/2 X 7	WASS50700	—		5-9/16	25	100
1/2 X 8-1/2	WASS50850	—		2	25	50
1/2 X 10	WASS50910	—		2	25	50
1/2 X 12	WASS50912	—		2	25	50
5/8 X 3-1/2	WASS62350	—	5/8	1-7/8	20	80
5/8 X 4-1/2	WASS62450	—		2-7/8	20	80
5/8 X 5	WASS62500	WASS62500316		3-3/8	20	80
5/8 X 6	WASS62600	WASS62600316		4-3/8	20	80
5/8 X 7	WASS62700	—		5-3/8	20	80
5/8 X 8-1/2	WASS62850	—		2	20	40
5/8 X 10	WASS62910	—		2	10	20
5/8 X 12	WASS62912	—		2	10	20
3/4 X 4-1/4	WASS75425	—	3/4	2-3/8	10	40
3/4 X 4-3/4	WASS75475	—		2-7/8	10	40
3/4 X 5-1/2	WASS75550	—		3-5/8	10	40
3/4 X 6-1/4	WASS75625	—		4-3/8	10	40
3/4 X 7	WASS75700	—		5-1/8	10	40
3/4 X 8-1/2	WASS75850	—		2-1/4	10	20
3/4 X 10	WASS75910	—		2-1/4	10	20
3/4 X 12	WASS75912	—		2-1/4	5	10
7/8 X 6	WASS87600	—	7/8	2-1/8	5	20
7/8 X 8	WASS87800	—		2-1/8	5	10
7/8 X 10	WASS87910	—		2-1/8	5	10
7/8 X 12	WASS87912	—		2-1/8	5	10
1 X 6	WASS9706	—	1	2-1/4	5	20
1 X 9	WASS97909	—		2-1/4	5	10
1 X 12	WASS97912	—		2-1/4	5	10
1-1/4 X 9	WASS98900	—	1-1/4	2-3/4	5	10
1-1/4 X 12	WASS98912	—		2-3/4	5	10



Material Specifications

304/303 Stainless Steel			
Component Materials			
Anchor Body	Nut	Washer	Clip
Type 303 and 304 Stainless Steel	Type 18-8 Stainless Steel	Type 18-8 Stainless Steel	Type 304 Stainless Steel

1. Type 303 and 304 stainless steels perform equally well in certain corrosive environments.
2. Larger sizes are manufactured from type 303 due to a higher sulfur content which improves machinability. See table for details.

Application: Exterior environment, medium level of corrosion resistance. Resistant to organic chemicals, many inorganic chemicals, mild atmospheric pollution and mild marine environments (not in direct contact with salt water).

Material Specifications

316 Stainless Steel			
Component Materials			
Anchor Body	Nut	Washer	Clip
Type 316 Stainless Steel	Type 316 Stainless Steel	Type 316 Stainless Steel	Type 304 Stainless Steel

1. Type 316 Stainless Steel provides the greatest degree of corrosion resistance available.
2. Contain 2-3% molybdenum as well as more nickel and chromium than 304/303 stainless steel.

Application: Exterior environment, medium to high levels of corrosion resistance. Resistant to chlorides, amines, sulfurous acid compounds and direct contact with salt water.

Shear and tension loads available upon request.

1. Anchors with the 'SS' suffix are Type 303 or 304 Stainless Steel and may require additional lead-time.
2. The published length is the overall length of the anchor. Allow one anchor diameter for the nut and washer thickness plus the fixture thickness when selecting a length.
3. Special lengths are available upon request.
4. Load Values are valid as long as minimum embedment depths are satisfied.

The Blue Banger Hanger® is an internally threaded insert that is cast into the underside of concrete decks after being fastened to the top of wood forms or metal deck before the concrete pour. Once the concrete has cured, the anchor provides an attachment point for threaded rod used to hang electrical, mechanical and plumbing utilities. The Blue Banger Hanger is the only insert to offer the patented multi thread design which allows one size insert to handle 2-3 diameters of threaded rod.

APPLICATIONS:

Overhead rod hanging for:

- Hanging sprinkler and water pipes
- Hanging equipment and ductwork
- Strut and hangers
- Seismic bracing



Patented multi thread design allows one product to handle up to three rod diameters.



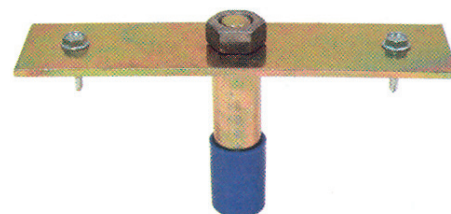
Blue Banger Hanger
Metal Deck Insert

FEATURES:

- Quick and easy installation saves time and money – no assembly required
- Patented multi-thread design allows each hanger to accept 2-3 diameters of threaded rod. Three sizes of hangers can handle all applications, reducing contractor and distributor inventories.
- Multi-thread design allows threaded rod size to be changed after the anchor is in the concrete.
- Machined steel insert with large flanged head provides high tension and shear loads for overhead attachments.
- Positive attachment to form keeps the hanger vertical and in the correct position.
- Designed to keep internal threads clean of concrete slurry or fireproofing for easy installation.
- No Equal “#” head stamp allows easy identification before the concrete pour.



Blue Banger Hanger
Wood Form Insert



Blue Banger Hanger
Roof Deck Insert

MATERIAL: Carbon steel

FINISH: Yellow zinc dichromate coating

Blue Banger Hanger® Product Data

Hanger Type	For Rod Diameter (in.)	Deck Hole Diameter (in.)	Part Number	Carton Qty.
Metal Deck Insert	1/4, 3/8, 1/2	13/16 - 7/8	BBMD2550	100
	3/8, 1/2, 5/8	1-1/8 - 1-3/8	BBMD3762	50
	5/8, 3/4	1-3/16 - 1-3/8	BBMD6275	50
Roof Deck Insert	1/4, 3/8, 1/2	13/16-7/8	BBRD2550	50
Wood Form Insert	1/4, 3/8, 1/2	N/A	BBWF2550	200
	3/8, 1/2, 5/8		BBWF3762	150
	5/8, 3/4		BBWF6275	150

Sleeve anchors are pre-assembled expanding anchors for use in all types of hollow and solid base materials. These anchors are available in acorn, hex, flat, round and rod-coupler head styles for a wide range of applications.

APPLICATIONS:

- Door and window frames
- Electrical junction boxes and control panels
- Material handling – shelving, conveyors
- Safety equipment – guardrails, railings, fencing
- Overhead pipe hanging (rod coupler version)

FEATURES:

- Large expansion area - good for softer base materials
- Versatile: can be used in hollow or solid base materials
- Removable

MATERIAL: Carbon and stainless steel

FINISH: Carbon Steel: Zinc plated

INSTALLATION:

Caution: Oversized holes will make it difficult to set the anchor and will reduce the anchor's load capacity.

Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified embedment depth and blow it clean using compressed air. Overhead installations need not be blown clean. Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling.

Place the anchor in the fixture and drive into the hole until the washer and nut are tight against fixture.

Tighten to required installation torque.

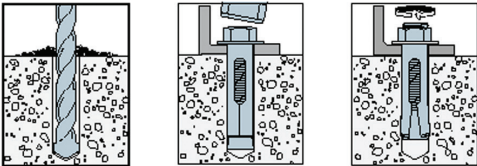
CODES: ICC/ICBO ER-3631; City of L.A. RR24682; Dade County, FL 01-0820.06; Factory Mutual 1M6AO.AH, 3/8" - 5/8" hex nut; Underwriters Laboratories File Ex3605, 3/8" - 5/8" hex nut. Meets requirements of Federal Specifications A-A-1922A.

Caution: The Load Tables list values based upon results from the most recent testing and may not reflect those in the current code reports. Where code jurisdictions apply, consult the current reports for applicable load values.

Installation Data

Sleeve-All Dia.	1/4	5/16	3/8	1/2	5/8	3/4
Bit Size (in)	1/4	5/16	3/8	1/2	5/8	3/4
Wrench Size (in)	3/8	7/16	1/2	9/16	3/4	15/16
Wrench Size for Coupler Nut (in)	-	-	1/2	5/8	3/4	-

Installation Sequence



Material Specifications

Anchor Component	Zinc Plated Carbon Steel	304 Stainless Steel
Anchor Body	Material meets minimum 50,000 psi tensile	Type 304
Sleeve	AISI 1008 Cold Rolled Steel	Type 304
Nut	Commercial Grade, meets requirements of ASTM A 563 Grade A	Type 304
Washer	AISI 1008/1010 Cold Rolled Steel	Type 304

Product Data - Zinc Plated Carbon Steel

Size (in)	Zinc	.304 Stainless Steel	Head Style	Bolt Dia. Threads Per Inch	Quantity	
					Box	Carton
1/4 X 1-3/8	SLAN25138	—	Acorn Head	3/16 - 24	100	500
1/4 X 2-1/4	SLAN25225	—			100	500
1/4 X 1-3/8	—	SLH25138SS	Hex Head		100	500
1/4 X 2-1/4	—	SLH25225SS			50	250
5/16 X 1-1/2*	SLH31150	SLH31150SS		1/4-20	50	200
5/16 X 2-1/2	SLH31250	—			25	100
3/8 X 1-7/8	SLH38187	SLH38187SS		5/16-18	25	100
3/8 X 3	SLH38300	SLH38300SS			50	200
3/8 X 4	SLH38400	—			50	200
1/2 X 2-1/4*	SLH50225	—		3/8-16	50	200
1/2 X 3	SLH50300	SLH50300SS			25	100
1/2 X 4	SLH50400	SLH50400SS			25	100
1/2 X 6	SLH50600	—			20	80
5/8 X 2-1/4*	SLH62225	—		1/2-13	10	40
5/8 X 3	SLH62300	—			10	40
5/8 X 4-1/4	SLH62425	—			10	40
5/8 X 6	SLH-62600	—			10	40
3/4 X 2-1/2*	SLH75250	—		5/8-11	10	40
3/4 X 4-1/4	SLH75425	—			10	40
3/4 X 6-1/4	SLH75625	—			5	20
1/4 X 2	SLPF25200	—	Phillips Flat Head	3/16-24	100	500
1/4 X 2-1/4	—	SLPF25225SS			100	500
1/4 X 3	SLPF25300	—			50	250
5/16 X 2-1/2	SLPF31250	—		1/4-20	50	250
5/16 X 3-1/2	SLPF31350	—			50	250
3/8 X 2-3/4	SLPF38275	—		5/16-18	50	200
3/8 X 3	—	SLPF38300SS			50	200
3/8 X 4	SLPF38400	SLPF38400SS			50	200
3/8 X 5	SLPF38500	SLPF38500SS			50	200
3/8 X 6	—	SLRH38600SS			Round Head	50
1/4 X 3	—	SLRH25300SS	100			500

*These models do not meet minimum embedment requirements for rated load values.



AT-High Strength Acrylic Based, All Temperature Adhesive

AT is a two component, acrylic based adhesive for use as a high strength, anchor grouting material. Resin and initiator are dispensed and mixed simultaneously through the mixing nozzle. AT meets the physical requirements of ASTM C881 for a Type I & IV, Grade 3, Classes A, B & C - except AT is a non-epoxy product formulated for fast cure time.



- APPLICATIONS:**
- Threaded rod anchoring
 - Rebar dowelling into concrete, masonry and URM (red brick)

- Features:**
- Ideal for cold weather anchoring: cures in temperatures down to 0°F
 - Constant viscosity: dispenses easily at the coldest temperatures without the need to warm the cartridge
 - Fast cure at temperatures above 60°F
 - Non-sag formulation: Ideal for vertical and most overhead applications
 - Excellent cold load value: No reduction in load capacity for cold weather applications
 - Versatile: for use in concrete, brick and concrete block
 - Suitable for use in damp, wet and water-filled holes
 - Mixing nozzle included with 5, 8 and 13 oz. cartridges



AT10

AT13

AT30



AMN19Q



CDT10S



ADT813

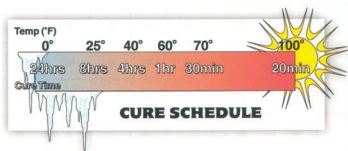


ADT30S

AT Cartridge Systems

Part Number	Capacity (ounces)	Cartridge Type	Carton Quantity	Suggested Dispensing Tool	Recommended Mixing Nozzle
AT10	9.6	single	12	CDT10S	AMN19Q
AT13	12.5	side-by-side	10	ADT813	
AT30	30	side-by-side	5	ADT30S	

CODES: ICC-ESR-1958 (URM); AASHTO M-235 and ASTM C881 (Type I & IV, Grade 3, Classes A, B & C - except AT is a non-epoxy product formulated for fast cure time); Multiple DOT listings (refer to strongtie.com/DOT).



Hole Cleaning Brushes

Hole Cleaning Brushes

Brushes are used for cleaning drilled holes prior to adhesive anchor installation. Brushes have a twisted wire handle with nylon bristles.



Hole Cleaning Brushes

Description	Part Number	For Hole Diameter (in.)
1/2" dia X 3" brush (8" total length)	ETB4	1/4"-9/16"
3/4" X 4" brush (16" total length)	ETB6	5/8"-15/16"
1" X 4" brush (16" total length)	ETB8	1" - 1-1/16"
1-1/4" X 4" brush (29" total length)	ETB10	1-1/4" - 1-5/8"

SET & SETXP-High Strength Epoxy

SET and SETXP epoxy is a two-component, low odor, 1:1 ratio, 100% solids epoxy-based adhesive for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. SET meets or exceeds the requirements of the ASTM C-881 specification for Type I and IV, Grade 3, Class C.

Features:

- High strength
- Non shrink
- Suitable for damp, wet and water filled holes
- Non-sag formulation: Ideal for vertical and most overhead applications
- Versatile: for use in concrete, brick and concrete block
- Available in multiple cartridge configurations



SET & SETXP can be dispensed with a caulking tool.

APPLICATIONS:

- Threaded rod anchoring
- Rebar dowelling
- Pressure injection of wide width cracks 3/16"-3/4"
- Bonding hardened concrete to hardened concrete

SET / SETXP Cartridge Systems

Part Number	Capacity (ounces)	Cartridge Type	Carton Quantity	Suggested Dispensing Tool	Recommended Mixing Nozzle
SET3G	8.5	single	12	CDT10S	EMN22i
SETXP10	8.5	single	12	CDT10S	
SET22	22	side-by-side	10	EDT22S, EDTA22P, EDTA22CKT	
SETXP22	22	side-by-side	10		
SETXP56	56	side-by-side	6	EDTA56P	



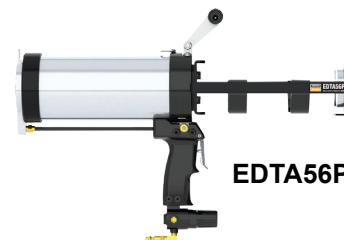
EDT22S



EDTA22P



EDTA22CKT



EDTA56P

CODES:

SET

ICC-ES ESR-1772 (unreinforced masonry); Florida FL 5730.5; AASHTO-M-235 and ASTM C881 (Type 1 and IV, Grade 3, Class C); CalTrans Approved; Multiple DOT listings; NSF/ANSI Standard 61 (216 in.²/1,000 gal.)

SET XP

ICC-ES ESR-2508 (concrete); IAPMO UES ER-256 (masonry); City of L.A. RR257744 (concrete), RR25965 (masonry); Florida FL-17449.2 (concrete), FL-16230.3 (masonry); AASHTO M-235 and ASTM C881 (Type I and IV, Grade 3, Class C); NSF/ANSI Standard 61 (216 in.²/1,000 gal.)



EMN22i

Mixing Nozzle for SET / SETXP

Part Number	Part Number	Qty/Pk/Cs
EMN22i-RP5	Mixing Nozzle for SET / SETXP	5/pk - 30/cs
EMN22i-RP10		10/pk - 30/cs





ET-HP22

ET-HP Adhesive

ET-HP is a two-component, 100% solids epoxy-based system for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. ET meets or exceeds the requirements of ASTM C-881 specifications for Type IV, Grade 3, Class C, and passed the demanding ICC-ES AC308 adverse-condition tests pertaining to elevated temperatures and long-term sustained loads



EMN22i

APPLICATIONS:

- Threaded rod anchoring
- Rebar dowelling
- Pressure injection of wide width cracks 3/16"-3/4"
- Paste over for concrete crack injection repair
- Use in dry or water-saturated concrete
- Cure times of 24 hour at 80°F, 72 hours at 50°F

Features:

- Economical
- Versatile: for use in concrete, brick and concrete block
- Suitable for damp, wet and water filled holes
- Non-sag formulation: ideal for vertical and most overhead applications
- Non-shrink



EDT22S



EDTA22P

CODES: ICC-ES ESR-3372 (concrete); ICC-ES ESR-3638 (unreinforced masonry); IAPMO UES ER-241 (masonry); City of L.A. RR25120 (unreinforced masonry); AASHTO M-235 and ASTM C881 (Type IV, Grade 3, Class C); multiple DOT listings; Florida FL 7449.1; FL-16230.2.

ET-HP Cartridge Systems

Part Number	Capacity (ounces)	Cartridge Type	Carton Quantity	Suggested Dispensing Tool	Recommended Mixing Nozzle
ET-HP22	22	side-by-side	10	EDT22S or EDTA22P	EMN22i

Opti-Mesh Adhesive Anchoring Screen Tubes

Screen tubes are vital to the performance of adhesive anchors in base materials that are hollow, or contain voids, such as hollow block and brick. The Opti-Mesh Screen tube provides the economical advantage of a plastic screen while providing performance comparable to steel screens and better than competitive plastic screens.



**SET, SET-XP, ET-HP
Epoxy Adhesive
Screen Tube**
(mesh is black)

Material: Plastic

Caution: Screen tubes are designed for a specific adhesive type. Epoxy screen tubes must be used with SET, SET-XP, or ET formulations and Acrylic screen tubes must be used with AT.

Integral Cap: Serves to center and secure the rod in the screen, while displaying important information such as rod diameter, drill bit diameter and the Simpson "S" sign for easy inspection after installation. The cap also prevents adhesive from running out of the front of the screen.

Flanges: Prevents the screen from slipping into over-drilled holes. Allows screen to function in holes that are drilled too deep.

Open Mesh Collar: This section of larger mesh allows extra adhesive to flow out of the screen behind the face shell of hollow block applications. The extra "collar" of adhesive increases bearing area and results in higher load capacities in hollow concrete block.

Color Coded, Formula-Specific Mesh: The screen mesh is sized to allow only the right amount of adhesive to flow through the screen to bond with the base material while the balance remains in the screen to bond the rod. Acrylic-Tie screen mesh is white while Epoxy-Tie screen mesh is black.

Screens are for use in hollow CMU, hollow brick and unreinforced masonry applications.



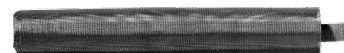
The integral cap centers the rod and displays drill bit and rod diameter.



**AT
Acrylic Adhesive
Screen Tube**
(mesh is white)



Screen tube installed in a hollow CMU block. The extra collar of adhesive created by the open mesh collar results in increased bearing area and higher load values. The typical screen relies on the bond between the relatively small amount of adhesive in contact with the face shell of the block for its holding power.



Steel/Stainless Steel Wire Mesh Screens Acrylic-Tie (AT) Epoxy-Tie (ET)

For Rod Dia. (in)	Hole Size (in)	Actual Screen Size O.D./Length (in)	Part Number	Carton Qty.
3/8	9/16	15/32 x 3	ATSS376	
		15/32 x 6	ATSS376	
		15/32 X 6	ETS3706	150
1/2	3/4	19/32 X 6	ETS5006	100
		19/32 x 10	ATSS506	50
		19/32 X 10	ETS5010	50
5/8	7/8	25/32 x 3	ATSS6203	
		25/32 x 6	ATSS6206	50
		25/32 x 10	ATSS6210	25
		25/32 X 10	ETS6210	25
		25/32 X 13	ETS6213	25
3/4	1	29/32 x 8	ATSS758	25
		29/32 X 8	ETS7508	25
		29/32 X 13	ATSS7513	25
		29/32 X 13	ETS7513	25
		29/32 X 17	ETS7517	25

Plastic Screens - Acrylic-Tie(AT) Epoxy-Tie(ET)

For Rod Dia. (in)	Hole Size (in)	Actual Screen Size O.D./Length (in)	Part Number	Carton Qty.
3/8	9/16	17/32 X 6	ATSP3706	150
		17/32 x 10	ETSP3710	100
1/2	3/4	23/32 X 3	ETPS5003	100
		23/32 X 3	ATSP5003	100
		23/32 X 6	ATSP5006	100
5/8	7/8	27/32 X 6	ATSP6206	50
		27/32 X 10	ETSP6210	25
3/4	1	31/32 X 8	ATSP7508	25
		31/32 X 17	ETSP7517	25



Drop-in anchors are internally threaded expansion anchors with a preassembled expander plug, suitable for flush mount applications in solid base materials. The anchor is set by driving the expansion plug towards the bottom of the anchor using the setting tool. Drop-in anchors are also available in coil-threaded versions for 1/2" and 3/4" coil threaded rod.

The 3/8" Short Drop-In Anchor (DIA37S) is an internally threaded drop-in anchor for use in solid and hollow concrete. The short length permits shallow embedment, thus avoiding drilling into rebar or prestressing strands. The wide surface flange allows the DIA37S to be installed in deep or bottomless holes.

Drop-In (No Lip)

Drop-In (No Lip) Product Data - Carbon and Stainless Steel

Rod Size (in)	Carbon Steel Part Number	304 Stainless Part Number	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length	Quantity	
						Box	Car-ton
1/4	DIA25	DIASS25	3/8	20	1	100	500
3/8	DIA37	DIASS37	1/2	16	1-1/2	50	250
1/2	DIA50	DIASS50	5/8	13	2	50	200
5/8	DIA62	DIASS62	7/8	11	2-1/2	25	100
3/4	DIA75	—	1	10	3-1/8	20	80



Lipped Drop-In

Lipped Drop-In Product Data - Carbon and Stainless Steel

Rod Size (in)	Carbon Steel Part Number	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length	Quantity	
					Box	Car-ton
1/4	DIAL25	3/8	20	1	100	500
3/8	DIAL37	1/2	16	1-1/2	50	250
1/2	DIAL50	5/8	13	2	50	200



Coil Thread Drop-In

Coil Thread Drop-In Product Data

Rod Size (in)	Carbon Steel Part Number	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length	Quantity	
					Box	Carton
1/2	F2-DIACT50*	5/8	6	2	50	200
3/4	F2-DIACT75*	1	5	3-1/8	20	80

* DIACT50 and DIACT75 accept 1/2" and 3/4" coil thread rod, respectively.

Standard Setting Tool



Drop-In Setting Tool Product Data

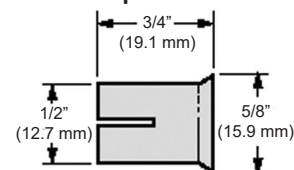
Part Number	For Use With	Box Qty.
DIAS25	DIA25	10
DIAS37	DIA37	10
DIAS50	DIA50, DIA50C	10
DIAS62	DIA62	5
DIAS75	DIA75, DIA75C	5

1. Setting Tools sold separately except for DIA37S

Short Drop-In



Short Drop-In Dimensions



Short Drop-In Product Data

Rod Size (in)	Carbon Steel Part Number	Drill Bit Diameter (in.)	Bolt Threads (per in.)	Body Length	Quantity	
					Box	Car-ton
3/8	DIA37S*	1/2	16	3/4	100	500
1/2	DIA50S	5/8	13	1	50	200

* A dedicated setting tool is included with each box of DIA37S

Hollow-Set™ Dropin



BASE MATERIAL: Concrete, Block, Brick, Pre-cast Hollow Core Plank, Stone
SIZE RANGE: 1/4" to 5/8"
ANCHOR MATERIAL: Zamac Alloy with Carbon Steel or Stainless Steel Cones

The Hollow-Set™ Dropin anchor is designed for anchoring in hollow base materials such as hollow concrete block, brick with weep holes and hollow core pre-cast concrete plank. It can also be used in solid base materials. Hollow masonry materials often have a minimum outer wall thickness of 1-1/2". During the drilling process, spalling on the back side of the wall often decreases the wall thickness available for anchoring to 1" or less. The design of the Hollow-Set™ Dropin overcomes this problem.

Carbon Steel Hollow-Set™ Dropin Product Data

Part Number	Size	Drill Dia.	Overall Length	Sleeve Length	Std. Box	Std. Ctn.
P9320	1/4"	3/8"	7/8"	5/8"	100	1000
P9330	5/16"	5/8"	1-5/16"	15/16"	50	500
P9340	3/8"	5/8"	1-5/16"	15/16"	50	500
P9350	1/2"	3/4"	1-3/4"	1-1/4"	50	250

Setting Tools for Hollow Base Materials Product Data

Part Number	Size	Std. Box
P9323	1/4"	1
P9342	5/16"	1
P9343	3/8"	1
P9353	1/2"	1



AVAILABLE MATERIALS: Zinc diecast alloy
APPROVALS/LISTINGS: G.S.A. Spec FF-S-325C, Group II, Type 2, Class I
INSTALLATION:

1. Drill hole to at least shield length. Clean hole of debris.
2. Place Forway in the hole.
3. Position equipment. Insert machine bolt through equipment into shield. Tighten.

For hanger rod installation:

1. Thread a hex nut onto the hanger rod, then screw the Forway against the washer.
2. Place the Forway in the hole.
3. Pull on the rod to preset the Forway.
4. Expand the Forway by tightening the hex nut against the surface of the base material.

Features:

Medium to heavy loads
 Can be used in dead, variable, or vibratory conditions in all types of solid or hollow masonry materials
 Four-way expansion assures positive anchoring even under adverse drilling conditions

Forway® Product Data

Part Number	Bolt Dia.	Hole Dia.	Shield Length	Ultimate Loads in Lbs.*		Tension Block	Box Qty.	Master Qty.
				Tension	Shear			
FOR25	1/4"	1/2"	1-1/4"	2320	2100	1925	100	800
FOR38	3/8"	11/16"	1-3/4"	3640	3850	2440	50	400
FOR50	1/2"	7/8"	2-1/4"	5100	8100	3050	50	150

The Lag Screw Expansion Shield is a die cast zinc alloy expansion shield for anchoring lag screws in a variety of base materials, including concrete, concrete block, brick and mortar joints. Radial ribs provide additional holding power in softer material.

MATERIAL: LSES—Die cast Zamac 3 Alloy

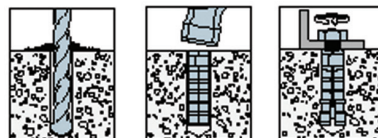
APPLICATIONS:

For use in concrete, brick and concrete block
Light duty applications
Miscellaneous fixtures, paneling, furring strips, etc.

LSES Product Data and Tension Loads in Concrete

Size in.	Part Number	Drill Bit Dia. (in.)	Embed. Depth (in.)	Allowable Tension Load (lbs) $f_c > 3000$ psi	Quantity	
					Box	Carton
1/4 Short	LSES25S	1/2	1	90	100	500
1/4 Long	LSES25L	1/2	1-1/2	120	50	250
5/16 Long	LSES31L	1/2	1-3/4	150	50	250
3/8 Long	LSES37L	5/8	2-1/2	260	50	200
1/2 Long	LSES50L	3/4	3	310	25	100

Installation Sequence



LSES

1. Load values are applicable in normal-weight concrete.
2. The allowable loads listed are based on a safety factor of 4.0.
3. The minimum concrete thickness is 1-1/2 times the embedment depth.
4. Screw is not included.

ESA

Expansion Screw Anchor

The ESA was the original internally threaded mechanical anchor design. The malleable lead shield allows for secure mounting.

APPLICATIONS:

For use in concrete, brick and concrete block
Light duty applications
Miscellaneous fixtures, paneling, furring strips, etc.

MATERIAL: Cone – Die Cast Zamac 3 alloy;

Expander Shield – 3 - 5% antimonial lead

CODES: Meets Federal Specifications A-A-1922A, Type 1, except ESA50

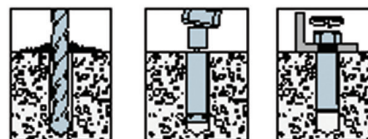


ESA



Piloted Setting Punch

Installation Sequence



ESA Product Data and Tension Loads in Concrete

Internal Thread Size (dia. - threads per inch)	Part Number	Drill Bit Dia. (in.)	Embed. Depth (in.)	Quantity	
				Box	Carton
1/4-20	ESA25	1/2	7/8	100	500
5/16-18	ESA31	5/8	5/16	50	200
3/8-16	ESA37	3/4	1-1/4	50	200
1/2-13	ESA50	7/8	1-1/2	50	200

Piloted Setting Punch Product Data

Part Number	For Use With	Box Qty.
PSP10	ESA10	10
PSP25	ESA25	10
PSP37	ESA37	10
PSP50	ESA50	10

Single Expansion Anchor – The SMSA is a corrosion resistant, die cast machine bolt anchor with a single internal expanding cone for use in concrete, concrete block and brick.

Double Expansion Anchor – The DMSA utilizes the same basic anchor design as the SMSA but with double expansion cones to provide higher loads and better performance in base materials of questionable strength.

APPLICATIONS:

- Versatile: for use in concrete, brick and concrete block
- Light duty applications
- Machinery mounting, seating

MATERIAL: Die cast zinc Zamac 3 alloy

CODES: DMSA Meets Federal Specifications A-A-1923A, Type 3 (Except DMSA31)



SMSA



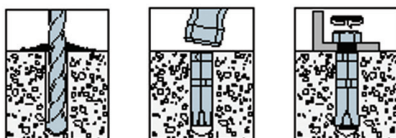
DMSA

SMSA Product Data and Tension Loads in Normal Weight Concrete

Bolt (dia.- threads per inch)	Part Number	Drill Bit Dia. (in.)	Em- bed. Depth (in.)	Allowable Tension Load (lbs)	Quantity	
				f'c>3000 psi	Box	Carton
1/4-20	SMSA25	1/2	1-3/8	235	100	500
5/16-18	SMSA31	5/8	1-5/8	585	100	400
3/8-16	SMSA37	5/8	1-5/8	585	50	200
1/2-13	SMSA50	7/8	2-1/2	770	25	100

1. Load values are applicable in normal-weight concrete.
2. The allowable loads listed are based on a safety factor of 4.0.
3. The minimum concrete thickness is 1-1/2 times the embedment depth.
4. Machine bolt is not included.

Installation Sequence



SMSA Tension and Shear Loads in Light-Weight Hollow CMU

Bolt (dia.- threads per inch)	Part Number	Drill Bit Dia. (in.)	Em- bed. Depth (in.)	Allow- able Tension Load (lbs)	Allow- able Shear Load (lbs)	Quantity	
						Box	Car- ton
1/4-20	SMSA25	1/2	1-3/8	205	520	100	500
3/8-16	SMSA37	5/8	1-5/8	315	605	50	200

1. Values for 8-inch wide CMU grade N, Type II concrete masonry units conforming to UBC Standard 21-4 or ASTM C90. Mortar is prepared in accordance with Section 2103.3 of the UBC and UBC Standard 21-15. The minimum specified compressive strength of masonry is 1,900 psi.
2. Embedment depth is measured from the outside face of the concrete masonry unit for installation through a face shell.
3. The allowable loads are based on a safety factor of 4.0.
4. All holes are drilled with a carbide-tipped drill bit in the rotation-only mode.

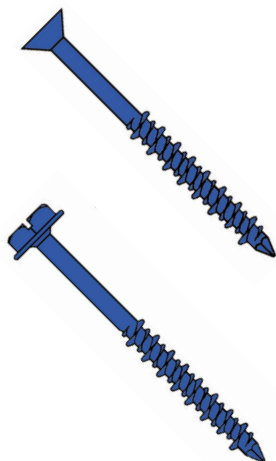
DMSA Product Data and Tension and Shear Normal Weight Concrete

Bolt (dia.- threads per inch)	Part Number	Drill Bit Dia. (in.)	Em- bed. Depth (in.)	Critical Edge Dist. in. (mm)	Tension Load f'c>3000 psi (20.7 MPa)	Tension Load f'c>4000 psi (27.6 MPa)	Shear Load f'c>3000 psi (20.7 MPa)	Quantity	
					Allowable lbs. (kN)	Allowable lbs. (kN)	Allowable lbs. (kN)	Box	Carton
1/4-20	DMSA25	1/2	1-1/2 (38)	3 (76)	265 (1.2)	305 (1.4)	370 (1.6)	100	500
5/16-18	DMSA31*	5/8	1-3/4 (44)	3-1/2 (89)	290 (1.3)	335 (1.5)	690 (3.1)	100	400
3/8-16	DMSA37	3/4	2-1/4 (57)	4-1/2 (114)	765 (3.4)	920 (4.1)	1,300 (5.8)	50	200
1/2-13	DMSA50	7/8	2-3/4 (70)	5-1/2 (140)	765 (3.4)	920 (4.1)	1,770 (7.9)	25	100

1. Load values are applicable in normal-weight concrete.
 2. The allowable loads listed are based on a safety factor of 4.0.
 3. 100% of the allowable load is permitted at critical edge distance. No reduction in edge distance is allowed.
 4. The minimum concrete thickness is 1-1/2 times the embedment depth.
 5. Tension and Shear loads for the DMSA Anchor may be combined.
 6. Machine bolt is not included.
- * Does not meet Federal Specification.

Concrete Masonry Fasteners

Concrete masonry anchors cut threads into concrete, brick and hollow block.



Description	Part Number		Drill bit	Fixture Thickness	Common Applications
	PFH	HWH			
3/16 X 1-1/4	CMSPFH19125	CMSHWH19125	5/32 X 3-1/2	1-1/4	Mounting brackets; control panels; cable clamps, conduit clips, junction switch and control boxes
1/4 X 1-1/4	CMSPFH25125	CMSHWH25125	3/16 X 3-1/2		
3/16 X 1-3/4	CMSPFH19175	CMSHWH19175	5/32 X 3-1/2	1/4-3/4	1/2" or 3/4" plywood backer boards; mounting brackets, control panels; cable clamps; conduit clips, junction, switch and control box meters
1/4 X 1-3/4	CMSPFH25175	CMSHWH25175	3/16 X 3-1/2		
3/16 X 2-1/4	CMSPFH19225	CMSHWH19225	5/32 X 4-1/2	3/4 - 1-1/4	1 X 2 wood furring; 3/4" plywood backer boards; metal safety grating
1/4 X 2-1/4	CMSPFH25225	CMSHWH25225	3/16 X 4-1/2		
3/16 X 2-3/4	CMSPFH19275	CMSHWH19275	5/32 X 4-1/2	1-1/4 - 1-3/4	2 X 4 wood nailers
1/4 X 2-3/4	CMSPFH25275	CMSHWH25275	3/16 X 4-1/2		
3/16 X 3-1/4	CMSPFH19325	CMSHWH19325	5/32 X 5-1/2	1-3/4 - 2-1/4	Sill plates; 2 pieces of 2 X 4 or 2 X 6 to masonry, insulation to masonry
1/4 X 3-1/4	CMSPFH25325	CMSHWH25325	3/16 X 5-1/2		
3/16 X 3-3/4	CMSPFH19375	CMSHWH19375	5/32 X 5-1/2	2-1/4 - 2-3/4	
1/4 X 3-3/4	CMSPFH25375	CMSHWH25375	3/16 X 5-1/2		
3/16 X 4	CMSPFH19400	CMSHWH19400	5/32 X 5-1/2	2-1/2 - 3	
1/4 X 4	CMSPFH25400	CMSHWH25400	3/16 X 5-1/2		
1/4 X 5	CMSPFH25500	CMSHWH25500	3/16 X 6-1/2	3-1/4 - 4	
1/4 X 6	CMSPFH25600	CMSHWH25600	3/16 X 7-1/2	4-1/4 - 5	

Also available in 410 Stainless Steel

* Also available in 410 Stainless Steel

Note: The minimum embedment requirement is 1" and the maximum embedment is 1-3/4". One drill bit is provided with every box of 100 pieces.

Pullout in Concrete

(3145 PSI, cured 40 days) (lbs)

Anchor Diameter	Depth of Embedment in Solid Material (inches)			
	1	1-1/4	1-1/2	1-3/4
3/16	341	581	863	1059
1/4	718	1138	1537	1860

Test Number CH3932/Pittsburgh Testing Laboratories

Pullout in Hollow Block

Anchor Diameter	Depth of Embedment in Solid Material (inches)			
	1	1-1/4	1-1/2	1-3/4
3/16	209	357	468	547
1/4	406	615	851	984

Test Number CH3748/Pittsburgh Testing Laboratories

Head Styles

3/16" Diameter: 1/4" slotted hex washer head (HWH)
1/4" Diameter: 5/16" slotted hex washer head (HWH)

3/16" Diameter: #2 phillips flat head (PFH)
1/4" Diameter: #3 phillips flat head (PFH)

Product Specifications

Diameter: 3/16" and 1/4"
Thread Form: Original notched Hi-Lo®
Point Type: Nail
Finish: Blue Climaseal®

Corrosion Resistance

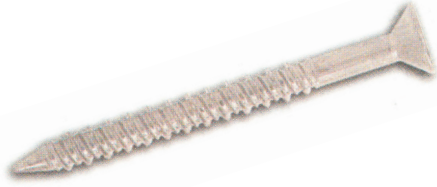
Climaseal | Kesternich Results (DIN 50018, 2.0L) | Salt Spray Results (ASTM B117)
30 Cycles - 10% or less red rust | 720 hours - 10% or less red rust

Shear Strength

Anchor Diameter	Anchor Embedment	Shear Strength 3145 PSI Hard Rock Concrete	Shear Strength Lightweight Hollow Block
3/16	1-1/4	852 lbs	731 lbs
1/4	1-1/4	1604 lbs	1058 lbs

Test Number CH3932/Pittsburgh Testing Laboratories

Titen® screws are 3/16" and 1/4" diameter masonry screws for attaching all types of components to concrete and masonry. Available in hex and phillips head designs. Use with appropriately sized Titen drill bit - included in each box.



Warning: Industry studies show that hardened fasteners can experience performance problems in corrosive environments. Accordingly, use this product in dry, non-corrosive environments only.

MATERIALS: Heat treated carbon steel

FINISH: Zinc plated with a baked on ceramic coating

CODES: Florida FL 2355

Silver Titen Product Data (Phillips Flat Head)

Size (in.)	Part Number	Bit Diam- eter (in.)	Quantity	
			Box	Carton
3/16 X 2-1/4	TMA19225	5/32	100	500
3/16 X 3-1/4	TMA19325			400
3/16 X 3-3/4	TMA19375			400
1/4 X 1-1/4	TMA25125	3/16	100	1600
1/4 X 2-3/4	TMA25275			500
1/4 X 3-1/4	TMA25325			400

Titen® Tension and Shear Load Values in Face Shell of Hollow & Grout-Filled CMU

Titen Dia. in. (mm)	Drill Bit Dia. in.	Em- bed. Depth in. (mm)	Critical Spacing in. (mm)	Critical Edge Dist. in. (mm)	Values for 6" or 8" Light, Medium or Normal Weight CMU			
					Tension Load		Shear Load	
					Ave. Ult. lbs. (kN)	Allow. lbs. (kN)	Ave. Ult. lbs. (kN)	Allow. lbs. (kN)
3/16 (4.8)	5/32	1 (25)	2-1/4 (57)	1-1/8 (29)	542 (2.4)	135 (0.6)	1016 (4.5)	225 (1.0)
1/4 (6.4)	3/16	1 (25)	3 (76)	1-1/2 (38)	740 (3.3)	185 (0.8)	1242 (5.5)	310 (1.4)

Titen® Tension and Shear Load Values in Normal-Weight Concrete

Titen Dia. in. (mm)	Drill Bit Dia. in.	Em- bed. Depth in. (mm)	Critical Spacing in. (mm)	Critical Edge Dist. in. (mm)	Tension Load				Shear Load	
					f'c>=2000 psi (13.8 MPa) Con- crete		f'c>=4000 psi (27.6 MPa) Concrete		f'c>=2000 psi (13.8 MPa) Concrete	
					Ultimate lbs. (kN)	Allow- able lbs. (kN)	Ultimate lbs. (kN)	Allowable lbs. (kN)	Ultimate lbs. (kN)	Allow- able lbs. (kN)
3/16 (4.8)	5/32	1 (25.4)	2-1/4 (57.2)	1-1/8 (28.6)	500 (2.2)	125 (0.6)	640 (2.8)	160 (0.7)	1020 (4.5)	255 (1.1)
3/16 (4.8)	5/32	1-1/2 (38.1)	2-1/4 (57.2)	1-1/8 (28.6)	1220 (5.4)	305 (1.4)	1850 (8.2)	460 (2.0)	1670 (7.4)	415 (1.8)
1/4 (6.4)	3/16	1 (25.4)	3 (76.2)	1-1/2 (38.1)	580 (2.6)	145 (0.6)	726 (3.2)	180 (0.8)	900 (4.0)	225 (1.0)
1/4 (6.4)	3/16	1-1/2 (38.1)	3 (76.2)	1-1/2 (38.1)	1460 (6.5)	365 (1.6)	2006 (8.9)	500 (2.2)	1600 (7.1)	400 (1.8)

Masonry Drive anchors are hot dip galvanized, heat treated spiral shank nail-in fasteners. They provide a quick, easy and economical method for securely fastening things like insulation panels, sheet metal and wood to concrete and most masonry

Features:

- No special driving tools required
- Hot dip galvanized
- No head shearing
- Control of embedment
- Excellent shear strength
- High performance at lower cost
- Can be used in most types of masonry
- Stocked in packs of 100 and bulk

Tools Required

Standard Hammer Drill or Rotary Hammer
24 oz. conventional hammer or 2-1/2 lb. mini-sledge

Packaging

Convenient packs of 100 includes one straight shank drill bit
Bulk packscartons - fasteners only

Fastener Selection

In selecting the Masonry Drive Anchor length, for most substrates add 1" (25mm) to fixture thickness.

Installation

With supplied drill bit, drill through the fixture into the concrete.

Pilot holes are to be 1/4" deeper than the embedment required..

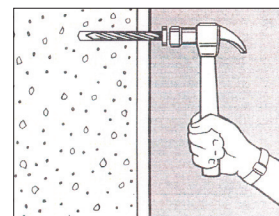
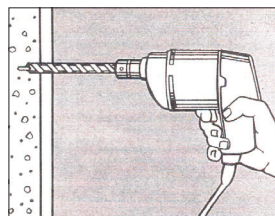
Using a conventional hammer or a mini-sledge, drive the fastener into the pre-drilled hole.



Product Data

Part No.	Length	Box Qty.	Bulk Part No.	Bulk Qty.
PG113	1-1/8	100*	PGB113	1000
PG150	1-1/2		PGB150	
PG200	2		PGB200	
PG250	2-1/2		PGB250	
PG300	3		PGB300	
PG350	3-1/2		PGB350	500
PG400	4		PGB400	
PG450	4-1/2		PGB450	
PG500	5		PGB500	
PG550	5-1/2		PGB550	
PG600	6		PGB600	
PG650	6-1/2		PGB650	
PG700	7		PGB700	
—	7-1/2	N/A	PGB750	100
—	10	N/A	PGB960	
—	12	N/A	PGB980	

*One straight shank bit included in each box of 100, no bit included in bulk quantities.



Specifications

In selecting the fastener length, for most substrates add 1" (25mm) to the fixture thickness.

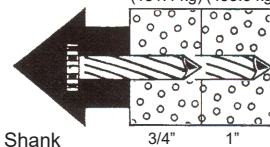
Lengths	1-1/8" (28mm)	1-1/2" (38mm)	2" (50mm)	2-1/2" (63mm)	3" (76mm)	3-1/2" (88mm)	4" (101mm)	4-1/2" (114mm)	5" (127mm)	5-1/2" (139mm)	6" (152mm)	6-1/2" (165mm)	7" (177mm)
Regular Drill Length	4" (10mm)				4-1/2" (114mm)	5-1/2" (139mm)	6-1/2" (165mm)	7-1/2" (190mm)	8-3/4" (222mm)				
Rotary Drill Length*	2" (50mm)			4" (101mm)			6" (152mm)				8" (210mm)		

*Rotary Drills shown are usable length size.

Strength Characteristics: Average Ultimate Pullout Values

Concrete Pullout

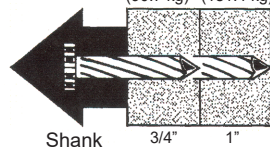
3750 PSI
400 lbs. (181.4 kg) 1000 lbs. (453.6 kg)



Engagement (19.1mm) (25.4mm)
420 lbs. (190.5 kg) at 3/4" engagement
1016 lbs. (460.9 kg) at 1" engagement

Hollow Block Pullout

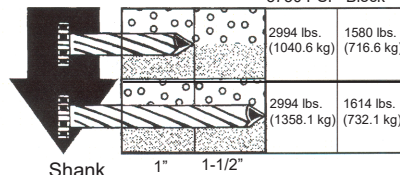
200 lbs. (90.7 kg) 400 lbs. (181.4 kg)



Engagement (19.1mm) (25.4mm)
240 lbs. (108.9 kg) at 3/4" engagement
380 lbs. (172.4 kg) at 1" engagement

Shear Strength

Concrete 3750 PSI
Hollow Block



Engagement (25.4mm) (38mm)

The Split Drive Anchor is a one piece anchor, with a split type expansion mechanism on the working end. As the anchor is driven into the hole, the expansion mechanism compresses and exerts force against the walls of the hole. Can be installed in concrete, grout filled block and stone. The duplex head Split Drive is designed for temporary fastening applications and can be removed using a claw hammer.

APPLICATIONS:

- Light duty applications
- Roof flashing, electrical boxes, conduit clips, signage
- Duplex head is ideal for temporary applications

Warning for SDF and SDR only: Industry studies show that hardened fasteners can experience performance problems in corrosive environments. Accordingly, use this product in dry, non-corrosive environments only.

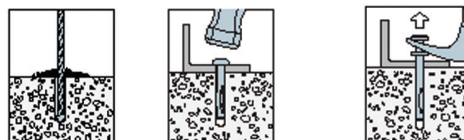
MATERIAL: Zinc plated carbon steel

MSD/SCD/DSD Product Data

Size (in)	Part Number.	Head Style	Drill Bit Dia. (in.)	Quantity	
				Box	Carton
1/4 X 1-1/2	SDR1412	Mushroom Head	1/4	100	500
1/4 X 2	SDR1420			100	500
1/4 X 2-1/2	SDR1422			100	500
1/4 X 3	SDR1430			100	400
1/4 X 1-1/2	SDF1412	Flat Head	1/4	100	500
1/4 X 2	SDF1420			100	500
1/4 X 2-1/2	SDF1422			100	500
1/4 X 3	SDF1430			100	400
1/4 X 3-1/2	SDF1432			100	400
1/4 X 4	SDF1440			100	400
1/4 X 3	DHSD25300	Duplex Head	1/4	100	400



Installation Sequence DHSD may be removed with a claw hammer



MSD & CSD Tension and Shear Load Values in Concrete

Size (in.)	Drill Bit Dia. (in.)	Embed. Depth in.	Min. Spacing (in.)	Min. Edge Dist. in.	Tension Loads (lbs) f' _c ≥ 2000 psi		Shear Loads (lbs) f' _c ≥ 2000 psi	
					Ult. Load	Allowable Load	Ult. Load	Allowable Load
1/4	1/4	1-1/4	2-1/2	3	655	165	969	240

Duplex Head DSD Tension and Shear Load Values in Concrete

Size (in.)	Drill Bit Dia. (in.)	Embed. Depth in.	Min. Spacing (in.)	Min. Edge Dist. in.	Concrete Compressive Strength (psi)	Tension Loads (lbs)		Shear Loads (lbs)	
						Ult. Load	Allowable Load	Ult. Load	Allowable Load
1/4	1/4	1-1/4	2-1/2	3	2500	800	200	2480	620
1/4	1/4	1-1/4	2-1/2	3	4000	1060	265	2740	685

Pin Drive Anchors are low cost, easy-to-install anchors for applications under static loads.

Special Features:

- Zinc Nailon:
This anchor is tamper-resistant.
- Nylon Tap-It®:
Light to medium loads under dead, variable, or vibra-
tory
conditions in solid or hollow environments
Specially tempered high strength nylon. Functions in an
effective temperature range from -40°F to +170°F
Quick and easy to install
Exceptionally resistant to loosening under vibration
The nylon shell acts as an insulator when used in
electrical applications

APPLICATIONS:

- Light duty applications
- Roof flashing, electrical boxes, conduit clips, signage

MATERIAL: Zinc Body – die cast zinc ZAMAC 3 alloy

Pin – Carbon steel; Stainless Steel

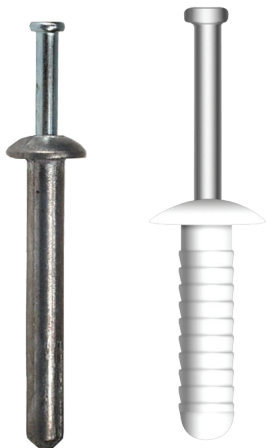
Nylon Tap-It Body

Pin - Carbon steel nail, zinc plated

CODES: Meets Federal Specification A-A-1925A,
Type 1 (zinc mushroom),

Nylon: G.S.A. Spec FF-S-325C, Group V, Type 2, Class 4

Installation Sequence



Zinc Nailon
(Mushroom)

Tap-It®
(Mushroom)

Zinc Nailon Product Data and Tension and Shear Loads in Concrete

Head Style	Size in.	Part Number	Drill Bit Dia.	Em- bed. Depth (in.)	Allowable Tension Load (lbs)	Allowable Shear Load (lbs)	Quantity		
					f'c>3000 psi	f'c>3000 psi	Box	Car- ton	Bulk
M	3/16 X 7/8	NI087	3/16	3/4	165	120	100	1600	1000
	1/4 X 3/4	NI075	1/4	5/8	165	120	100	1600	
	1/4 X 1	NI100		7/8	225	225	100	500	
	1/4 X 1-1/4	NI125		1	225	225	100	500	
	1/4 X 1-1/2	NI150		1-1/4	285	225	100	500	
	1/4 X 2	NI200		1-1/2	285	260	100	400	
	1/4 X 2-1/2	NI250		2	310	260	100	400	
	1/4 X 3	NI300		2-1/2	310	260	100	400	

Tap-It® Mushroom Head Product Data

Part No.	Hole/Anchor Diameter + Length	Head Style Diameter	Minimum Hole Depth	Minimum Embedment	Ultimate Tensile & Shear Loads in Lbs. Concrete Strength (PSI) 3000 P.S.I.		Box Qty.
					Tension	Shear	
TIMH19100	3/16 X 1	MUSH- 9/16	1-1/4"	3/4"	370	687	100
TIMH25100	1/4 X 1	MUSH- 9/16	1-1/4"	3/4"	261	884	100
TIMH25150	1/4 X 1-1/2	MUSH- 9/16	1-3/4	1"	320	951	100
TIMH25200	1/4 X 2	MUSH- 9/16	2 -1/4"	1"	253	590	100
TIMH25300	1/4 X 3	MUSH- 9/16	3-1/4"	1-1/4"	261	884	100
TIMH25400	1/4 X 4	MUSH- 9/16	4-1/4"	1-1/4"	261	884	100

The Spring Wing Toggle Bolt is designed for installation in hollow wall construction consisting of such base materials as gypsum wallboard and ungrouted concrete masonry units. The Spring Wing Toggle provides a large bearing area to distribute the applied loads. The Spring Wing Toggle Bolt comes complete with Spring Wing Toggle and machine screw. The Spring Wing Toggle may also be purchased separately (see table below).

APPLICATIONS:

Fixtures and wall hangings in hollow base materials:
gypsum and hollow block

MATERIAL: Wing – Cold-rolled steel, zinc plated
Screw – Cold-rolled steel, zinc plated

SWTB Product Data

Machine Screw		Part Number.	Drill Bit Dia. (in.)	Wing Spread	Quantity	
Head Style	Size (in)				Box	Carton
R	1/8 X 3	RHTB133	3/8	1-7/16	100	500
R	3/16 X 4	RHTB194	1/2	1-7/8	50	200
R	1/4 X 4	RHTB254	11/16	2-1/16	50	200
R	3/8 X 6	RHTB386	1	2-7/8	25	100
M	1/4 X 3	TBM1430	11/16	2-1/16	50	400
M	1/4 X 4	TBM1440			50	400
M	3/16 X 3	TBM3630	1/2	1-7/8	50	500
M	3/16 X 4	TBM3640			50	500

R = Round Head
M = Mushroom Head



SWTB
Round Head

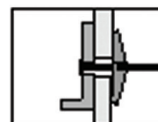
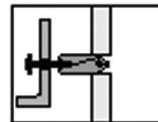
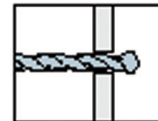


SWTB
Mushroom Head

SWTB Product Data (Toggle Only)

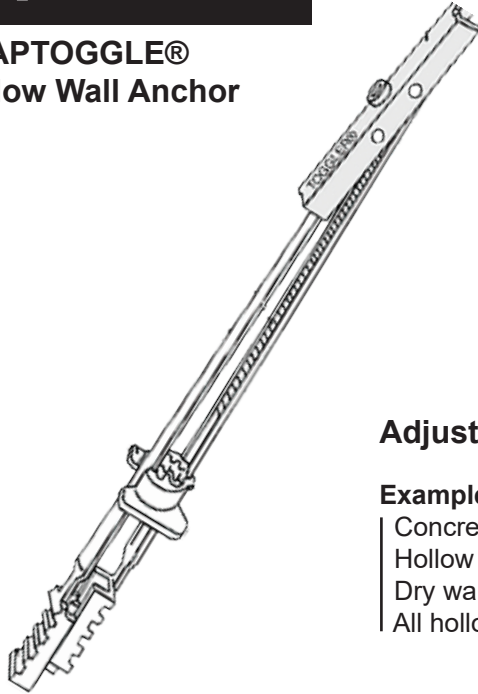
Fits Size (Dia. - Threads per Inch)	Model No	Quantity		Drill Bit Dia. (in.)	Wing Spread
		Box	Carton		
#6-32 (1/8)	TWZ0632	100	3,250	3/8	1-7/16
#10-24 (3/16)	TWZ1024	100	1,450	1/2	1-7/8
1/4-20	TWZ2520	100	800	11/16	2-1/16
5/16-18	TWZ3118	50	500	7/8	2-3/4
3/8-16	TWZ3816	50	300	1	2-7/8

Installation Sequence



TOGGLER®

SNAPTOGGLE® Hollow Wall Anchor



Available in 3/16", 1/4", 3/8", 1/2" bolt sizes

For critical, "can't miss" performance.

Easy to use: Pre-installs without bolt and in smaller hole

Strongest toggle bolt available: size for size

Accurate: Rugged pre-installation mechanism centers and holds in place TOGGLER SNAPTOGGLE toggle bolt in small hole, before inserting bolt

Quick: Allows use of a screw gun, or regular screwdriver.

Convenient: Enables removal of bolt/fixture without anchor falling behind wall

Most reliable: Will not damage or break through wall even under vibratory load

Corrosion proof: 304 Stainless available

Adjusts to Thicknesses 3/8" Through 3-5/8"

Examples:

Concrete block
Hollow brick
Dry wall
All hollow building materials, etc.

Perfect for Anchoring:

Cabinets
Sinks
Lighting fixtures
Ceiling fans
Fire extinguishers
Shelving systems
Mirrors
Hand rails
Plants, etc.

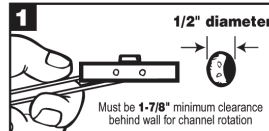
TOGGLER® Product Information

Bolt Size	Grip Range 3/8" - 2-1/2" (9mm-64mm)		Wall Thickness
	Zinc-Plated Steel	304 Stainless	
3/16"-24	STAZ1924	—	3/8" - 3-5/8"
1/4"-20	STAZ2520	STASS2520	3/8" - 3-5/8"
3/8"-16	STAZ3816	STASS3816	3/8" - 2-1/2"
1/2"-13	STAZ5013	STASS5013	3/8" - 2-1/2"
5/16"-18	STAZ3118	—	3/8" - 2-1/2"

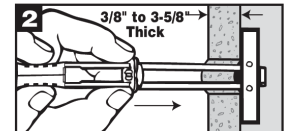
BA, BB and BM series use 1/2" dia. hole

BC and BD series use 3/4" dia. hole

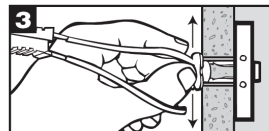
Installation



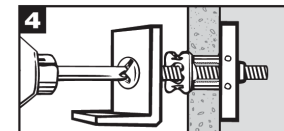
1. Insert in hole



2. Zip cap flush with surface



3. Snap off straps flush with surface.



4. Drive screw flush.

Tensile Pull-Out Values

Size	5/8" (16mm) Drywall	Concrete Block	1/2" (13mm) Steel Plate
3/16"-24	356 Lbs. (162 Kg.)	802 Lbs. (364 Kg.)	918 Lbs. (417 Kg.)
1/4"-20	306 Lbs. (139 Kg.)	1,080 Lbs. (490 Kg.)	1,283 Lbs. (583 Kg.)
3/8"-16	576 Lbs. (262 Kg.)	1,167 Lbs. (530 Kg.)	1,425 Lbs. (648 Kg.)
1/2"-13	N/A	2038 Lbs. (926 Kg.)*	2392 Lbs. (1087 Kg.)

All pull-out values are independent laboratory test results that are done according to U.S. government standards. They should be used as guides only. Industry safety standards recommend 1/4 of ultimate test load.

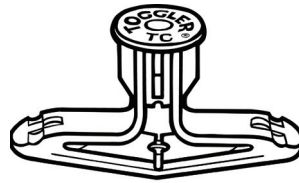
* Block failed

TOGGLER and typeface, TA, TB, TC, symbol, SNAPTOGGLE, ALLIGATOR, and ALLIGATOR design are registered trademarks of MPC.

For fast, safe, reliable anchoring.

Provides superior holding power in:

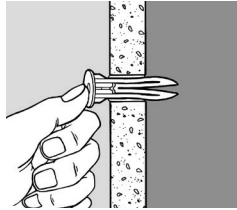
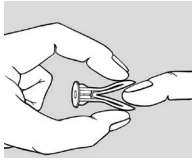
Drywall, Plaster, Gypsum Board, Sheet Metal, Plaster Board, Fiberglass, Hollow Core Doors, Thin Paneling, Masonite, Acoustic Ceilings, Card Board, Corrugated



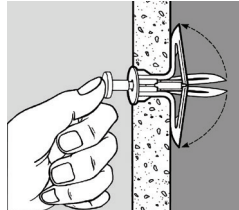
TOGGLER®

Plastic Toggle Anchors

Installation

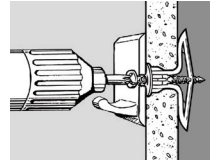


2. Push flush.



3. Toggle open.

Except in material over toggle range or for light loads.



4. Drive screw flush.

Product Information

Part Number	Toggle Range
TB100	3/8"-1/2" (9-13mm)
TC100	5/8"-3/4" (16-19mm)
TD50	1" (26mm)
T35	1-3/8" (35mm)
T39	1-1/2" (39mm)

Tensile Pull-Out Values

Size	1/4" Plywood	1/2" (13mm) Drywall	5/8" (16mm) Drywall
3/8"-1/2"	—	143 Lbs. (65 Kg.)	102 Lbs. (46 Kg.)*
5/8"-3/4"	—	—	159 Lbs.

All pull-out values are independent laboratory test results that are done according to U.S. government standards. They should be used as guides only. Industry safety standards recommend 1/4 of ultimate test load.

* Without being toggled open with key.

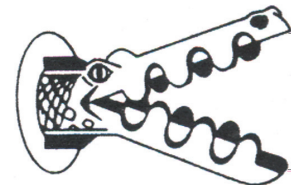
Ideal for attaching light & medium weight items to hollow walls or ceilings;

Curtain Rod, Shelving, Cabinets, Towel Rings, Wall Lamps, First Aid Kits, Wall Hangings, PVC Pipe, Pegboard, Wall Hooks, Mirrors, Fire Extinguishers

Anchor with the grip that won't let go.

Providing high holding strenght in solid or hollow walls.

Railings, Cabinets, Post Holders, Clotheslines, Hose Reels, Door Framing, Cabinets, TV's, Electrical Fixtures, Utility Shelves, Planters, Workshop Machinery, Awnings, Hand-rails, Plumbing Fixtures, Speakers

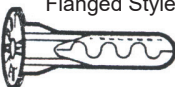


ALLIGATOR®

Unflanged Style (AA)
(Flush Mount)



Flanged Style (AAF)



Tensile Pull-Out Values

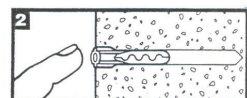
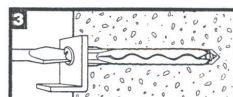
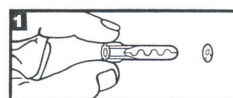
Size	4,000 PSI Concrete	1/2" (13mm) Drywall
AA19 / AAF19 - 3/16" (5mm)	#12 Screw / 2,316 Lbs. (1,053 Kg.)	#8 Screw / 57 Lbs. (26 Kg.)
AA25 / AAF25 - 1/4" (6mm)	#14 Screw / 2,366 Lbs. (1,076 Kg.)	#10 Screw / 69 Lbs. (31 Kg.)
AA31 - 5/16" (8mm)	5/16 Lag / 3,083 Lbs. (1,401 Kg.)	#12 Screw / 85 Lbs. (39 Kg.)
AA38 - 3/8" (10mm)	3/8 Lag / 4,270 Lbs. (1,937 Kg.)	Not for Drywall

All pull-out values are independent laboratory test results that are done according to U.S. government standards. They should be used as guides only. Industry safety standards recommend 1/4 of ultimate test load.

Product Information

Flanged	Flush Mount	Anchor & Drill Dia.	Screw Diameter
AAF19	AA19	3/16" (5mm)	#4-#10 (3-5mm)
AAF25	AA25	1/4" (6mm)	#6-#14 (3.5-6mm)
—	AA31	5/16" (8mm)	#8-#16 (4-8mm)
—	AA38	3/8" (10mm)	#10-3/8" (4.5-10mm)

Installation



1. Make hole.
Same size as anchor diameter and minimum 1-1/4 times anchor length.
2. Insert anchor.
3. Drive screw flush.



The Original!
Fast and easy self-drilling anchors.
E-Z Ancor Zinc™
E-Z Mini Ancor®,
E-Z Ancor Lite™
E-Z Ancor Plastic Plus™
E-Z Toggle™



Product Specifications

Product Material: Zinc Die Cast
 Nylon
Drilling Capacity: 3/8", 1/2" & 5/8" gypsum wallboard

Self-Drilling Drywall Anchors

	Anchor Description	Anchor Material	Part Number	Maximum Fixture Thickness (in.)	Accommodates Sheet Metal Screw Size
Light Duty	3/8 1-5/16 E-Z Ancor Lite	White Nylon	EZLP	3/4	#6
	7/16 1-1/4 E-Z Mini Ancor	Zinc	EZMM		#6, #7, or #8
Medium Duty	1/2 1-5/8 E-Z Ancor	Zinc	EZM		
	1/2 1-5/8 E-Z Ancor Plastic Plus	White Nylon	EZP		
Heavy Duty	9/16 2-1/2 E-Z Toggle	Zinc	EZT #8 X 2-1/8 Pan SMS	1/2	#8

Pullout (Ultimate Average Lbs.)

Anchor Type	Gypsum Thickness		
	3/8"	1/2"	5/8"
Light Duty Plastic	25	30	40
Light Duty Zinc	30	40	50
Medium Duty	40	50	75
Heavy Duty	70	85	150

These performance values are averages obtained under laboratory conditions. Note that these values will change depending on age, moisture content and surface treatment of the drywall (gypsum) material. Appropriate safety factors should be applied to these values for design purposes.

Installation Guidelines

Light Duty & Medium Duty E-Z Ancors

- Place #2 Phillips screwdriver into recess of E-Z Ancor Lite, E-Z Mini Ancor, E-Z Ancor or E-Z Ancor Plastic Plus
- Press into drywall while turning the anchor clockwise until it is seated flush with wall.
- Place fixture in position over installed E-Z Ancor Lite, E-Z Mini Ancor, E-Z Ancor, or Plastic Plus. Insert screw with screw driver. Tighten fixture in place.

Heavy Duty E-Z Toggle

- Place #2 Phillips screwdriver into recess of E-Z Toggle. Press into drywall while turning the anchor clockwise until it is seated flush with wall and arrows on head are parallel to stud.
- Place fixture in position over installed E-Z Toggle. Insert screw.
- Turn screw until tight. The clamp will move back against the drywall as the screw is turned.

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HWA – Hollow Wall Anchors expand inside the wall cavity to provide a large bearing area for transfer of loads.

HWDA – Hollow Wall Drive Anchor permits installation in gypsum drywall without pre-drilling.

APPLICATIONS

Fixtures, shelves and wall hangings in gypsum drywall and other hollow base material

MATERIAL: Expander shell – Cold-rolled steel



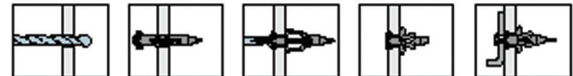
HWA

HWD

HWA Product Data

Size (in.)	Part Number	Base Material Thickness (in.)	Drill Bit Dia. (in.)	Quantity	
				Box	Carton
1/8S	HWA13S	1/8 - 1/2	1/4	100	500
1/8L	HWA13L	5/8 - 7/8		100	500
3/16S	HWA19S	1/8 - 1/2	3/8	50	250
3/16L	HWA19L	5/8 - 1-3/16		50	250
1/4S	HWA25S	1/8 - 1/2	1/2	50	250
1/4L	HWA25L	5/8 - 1-3/16		50	250

Installation Sequence



HWD Product Data

Size (in.)	Part Number	Base Material Thickness (in.)	Quantity	
			Box	Carton
1/8SD	HWLD18	1/8 - 1/2	100	500
1/8LD	HWSD18	5/8 - 13/16	100	500

Sure Wall Drywall Anchor

The Sure Wall is a self-drilling anchor. The point cuts a hole through the base material, eliminating break-out on the backside of softer base materials such as drywall. The standard Sure Wall can be used separately in fixtures with sufficiently large holes or a screw can be driven into the anchor body for smaller fixture holes or picture hanging wire.

COBRA



APPLICATIONS:

Fixtures, shelves and wall hangings in gypsum drywall

FEATURES:

No drilling, just drive into the drywall

MATERIAL: Die cast zinc

Sure Wall Product Data

Applications	Part Number	Style	Quantity		Recommended Screw Size
			Box	Carton	
3/8", 1/2", 5/8" Drywall, Plaster	8LZ	Zinc	100	500	#8 X 1-1/4"

Plastic screw anchors are general purpose anchors used to enable the attachment of a screw in material that would not support the weight of the object attached with a screw alone. Used in light to medium duty applications, such as, drywall, plaster and masonry. Available in both smooth conical and ribbed styles.



Features:

Plastic anchor designed for use with light weight fixtures. Can be used in concrete, block, brick and wallboard.
Only high quality polypropylene used
Internal ribs for better centering of screw

Conical Anchors

Part Number	Anchor Size	Use With Screws	Drill Size
CPA0608	3/16" X 3/4"	#4, #6, #8	3/16"
CPA0810	3/16" X 7/8"	#6, #8, #10	3/16"
CPA1012	1/4" X 1"	#10, #12	1/4"
CPA1416	5/16" X 1-3/8"	#14, #16	5/16"

Stocked in Blue



Ribbed Anchors

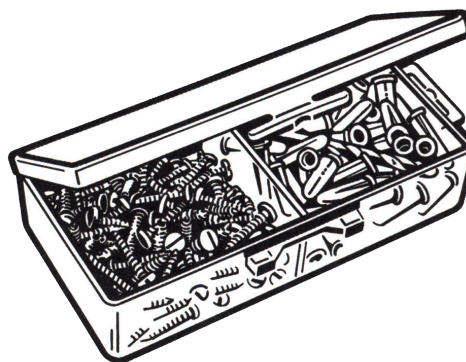
Part Number	Anchor Size	Use With Screws	Drill Size
GRAL316 (Gray with Lip)	3/16" X 7/8"	#4, #6, #8	3/16"
GRAL25 (Gray with Lip)	1/4" X 1"	#8, #10, #12	1/4"
GRAL516 (Gray with Lip)	5/16" X 1-1/4"	#14, #16	5/16"
GRA316NL (Gray without Lip)	3/16" X 7/8"	#4, #6, #8	3/16"
GRA25NL (Gray without Lip)	1/4" X 1"	#8, #10, #12	1/4"

Features:

Plastic anchor designed for use with light weight fixtures. Can be used in concrete, block, brick and wallboard
Only high quality polypropylene used
Internal ribs for better centering of screw
Locking lugs against pull and twist
Special exterior design prevents fall out in overhead holes
Unique expansion capacity in soft material
With or without lip

Anchor Kits

Part Number	Kit Contents
AK19	100 pcs. - 1/4" Conical Anchors 100 pcs. - #8 Combo Screws 1 pc. - 1/4" Slow Spiral Masonry
AK25	100 pcs. - 1/4" Conical Anchors 100 pcs. - #10 Combo Screws 1 pc. - 1/4" Slow Spiral Masonry
AK31	50 pcs. - 5/16" Conical Anchors 50 pcs. - #12 Combo Screws 1 pc. - 5/16" Slow Spiral Masonry



Expandet Screw Anchors Product Data

Below Items Packed in Frames of 25


EXPANDET®
 SCREW ANCHORS

Part Number (Frame)	Color & Length	Drill Size Required Plaster & Concrete	Screw or Lag Size Required	Frames of 25 Per Carton	Tension Load (lbs.)*
EXP16100	Yellow 1"	5/32"	#4	20	55
EXP19100	White 1"	3/16"	#6	20	260
EXP19150	White 1-1/2"	3/16"	#6	20	350
EXP23150	Red 1-1/2"	15/64"	#8	20	395
EXP25100	Green 1"	1/4"	#10	20	350
EXP25125	Green 1-1/4"	1/4"	#10	20	440
EXP25150	Green 1-1/2"	1/4"	#10	20	515
EXP25200	Green 2"	1/4"	#10	10	725
EXP31150	Blue 1-1/2"	5/16"	#14 & 1/4" Lag	20	595
EXP31200	Blue 2"	5/16"	#14 & 1/4" Lag	10	770
EXP38150	Orange 1-1/2"	3/8"	#16 & 5/16" Lag	4	530
EXP38200	Orange 2"	3/8"	#16 & 5/16" Lag	4	760
EXP38250	Orange 2-1/2"	3/8"	#16 & 5/16" Lag	4	860
EXP44200	Gray 2"	7/16"	#20 & 3/8" Lag	4	1630
EXP44300	Gray 3"	7/16"	#20 & 3/8" Lag	4	2200

Advantages When Using Expandet Extruded PVC Plastic Screw Anchors

Available in 8 diameters
 Not tapered – means better contact
 No lip – fixture mounts flush with surface
 No fraying or splitting – self centering
 Cuts to special length
 Acid resistant
 Does not turn in hole
 Can be used in all drillable materials
 Fills cavities inside drill hole
 Coverage: #4 Screw – 1/2" Lag
 No lubricant needed – self lubricating
 Requires smaller holes than metal anchors
 Each frame has template for measuring correct drill and screw sizes



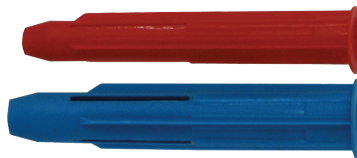
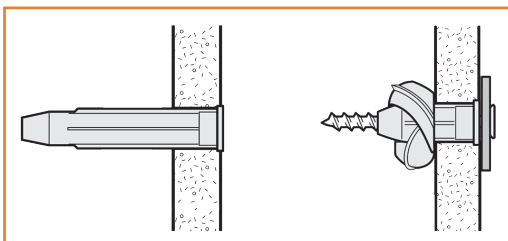
Below Items Packed in Frames of 12

Part Number (Frame)	Color & Length	Drill Size Required Plaster & Concrete	Screw or Lag Size Required	Frames of 25 Per Carton	Tension Load (lbs.)*
EXP56250	Black 2-1/2"	9/16"	7/16" & 1/2" Lag	4	1985

* Maximum values in concrete

**Light Rosett Anchor Product Information**

Made from Nylon, the light rosett is designed for anchoring objects in drywall, plasterboard, gypsum fiber boards, chipboards and general thin walled cavities. Easy to use- no special tools required.

**Installation Sequence**

Part Number	Description	Drill Size Required	Qty.
LRA25	Red Light Rosett	1/4"	100
LRA31	Blue Light Rosett	1/4"	50





TEKS Self-Drilling Fasteners Description & Breakdown	93
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Features:

Head:

Proper head style choice will ensure stability during driving, proper clamping and desired finished appearance.

Thread Form and Diameter:

The correct choice of thread form and diameter optimizes low installation torque with high pullout strength.

Pilot Section:

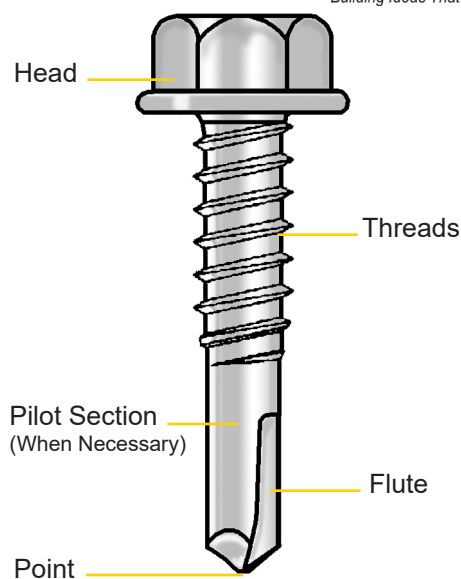
The unthreaded portion of the point assures that the drilling of the steel is completed before the threads begin tapping into the drilled hole.

Point:

The point is designed to efficiently remove material and precisely size the hole for the thread.

Finish:

Platings and coatings provide lubricity during drilling and tapping as well as corrosion resistance.



Steel Gauge Chart

Common Sheet Steel Gauges	Decimal Equivalent	
	in.	mm.
30	.012	.30
28	.015	.38
26	.018	.45
24	.024	.61
22	.030	.76
20	.036	.91
18	.048	1.21
16	.060	1.52
14	.075	1.90
12	.105	2.65
1/8	.125	3.18
10	.134	3.42
3/16	.187	4.77
1/4	.250	6.36
1/2	.500	12.72

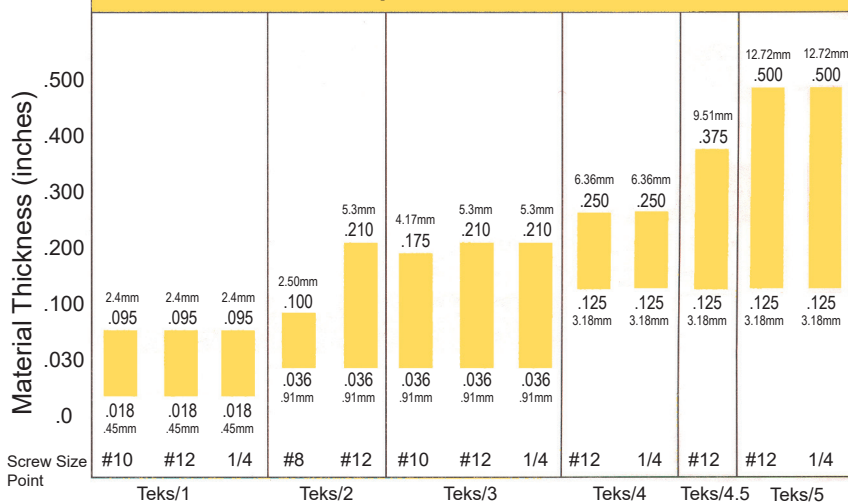
Nominal Screw Sizes

Thread Diameter	Decimal Equivalent
#6	.140
#7	.150
#8	.160
#9	.180
#10	.190
#11	.200
#12	.210
#13	.230
#14	.240
1/4	.250
#17	.286

Fastener Description and Breakdown - Example

10	-	16	X	3/4"	HWH	TEKS/3
Nominal Screw Size		Threads Per Inch		Screw Length	Head Style	Drill Point Type

Drill and Tap Material Thickness Chart



*Drill and tap capacities may vary with special feature designs. Refer to product reports for specifics.

ACQ Tested Coatings*

The following fasteners have been tested with ACQ (Alkaline Copper Quaternary) treated wood: DEC-KING® Exterior wood screw with Climacoat®, Tapcon® Concrete Anchors with Blue Climaseal® and White UltraShield®, Wood-to-Metal TEKS® with Grey Spex®, Roofgrip® with Spex or Blue Climaseal with Maxi-Set Tapcon® with White UltraShield.

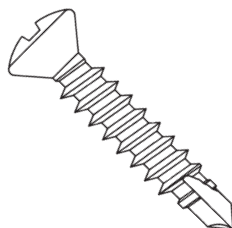
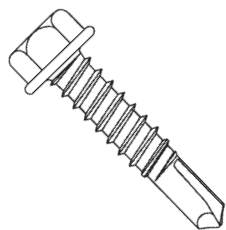
*Due to the many test variables involved, the lack of a correlation between test results and service in the field, and the corrosive nature of ACQ treated wood, ITW Buildex cannot guarantee the performance of any fasteners. Use of and ITW Buildex fasteners can lead to corrosion problems that may limit the life of a structure and pose safety concerns. The decision as to the suitability of the fastener for use in treated wood is the sole responsibility of the design professional of record. Should you have any questions, please feel free to call the Technical Services Department at (800) 323-0720.

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**Preferred most by
electrical, decking,
HVAC and metal
building contractors.**



TEKS Self-Drilling Fasteners

Description	Part Number	Head Style	Drill Pt.	Drill & Tap Capacity	Max. Material Attachments	Applications
10-16 X 3/4	T1HWHC1016075	HWH	#1	.018-.095	.220	Stitching roof deck, wall panel sidelaps or duct work.
1/4-14 X 7/8	T1HWHC2514087				.380	
10-16 X 3/4	T3POHC1016075	Oval	#3	0.36-.175	.325	Clips, duct straps, brick ties or accessories to steel framing.
10-16 X 3/4	T3HWHC1016075*	HWH			.325	
10-16 X 1	T3HWHC1016100				.575	
10-16 X 1-1/4	T3HWHC1016125	HWH			.825	
10-16 X 1-1/2	T3HWHC1016150	HWH			1.075	

* Available with bonded washer.

Sheet Steel Gauges

Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Fastener Values

Fastener (dia.-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	1936	1400	61
10-24	2702	1500	65
12-14	2778	2000	92
1/4-14	4060	2600	150

Pullout Values (average lbs. ultimate)

Fastener		Steel Gauge							
Dia.	Pt.	26	24	22	20	18	16	14	12
#10-16	1	148	241	311	357	565	826	1111	1796
	3	124	208	266	299	499	708	967	1474
#12	1	159	261	338	390	649	908	1259	1949
1/4	1	208	329	428	562	800	1151	-	-

Shear Values (average lbs. ultimate)

Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	
#10	1	398	584	659	884	1374	-	-	
	3	-	455	526	728	1266	1540	1552	
#12	1	432	703	753	1018	1452	-	-	
1/4	1	511	849	885	1244	1764	-	-	

Corrosion Resistance

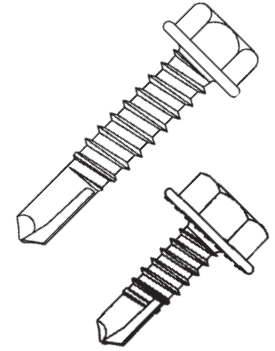
	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Climaseal	30 Cycles - 10% or less red rust	720 hours - 10% or less red rust
Electro Zinc	3 Cycles - 5% or less red rust	48 hours - 5% or less red rust

TEKS Self-Drilling Fasteners



Description	Part Number	Head Style	Drill Pt.	Drill & Tap Capacity	Max. Material Attachments	Applications
12-14 X 3/4	T3HWHC1214075	HWH	#3	.036-.210	.270	Roof deck to steel framing. Wall panel to girt. Duct work to steel framing. Accessories to steel framing. Clip to steel framing. Retrofit framing.
12-14 X 1	T3HWHC1214100				.520	
12-14 X 1-1/4	T2HWHC1214125		#2		.550	
12-14 X 1-1/2	T2HWHC1214150				.800	
12-14 X 2	T3HWHC1214200		#3		1.450	
12-14 X 2-1/2	T3HWHC1214250				1.950	
12-14 X 3	T3HWHC1214300				2.450	
12-14 X 4	T3HWHC1214400				3.450	
1/4-14 X 3/4	T3HWHC2514075				.210	All Available with Bonded Washer
1/4-14 X 1	T3HWHC2514100				.400	
1/4-14 X 1-1/4	T3HWHC2514125				.650	
1/4-14 X 1-1/2	T3HWHC2514150				.900	
1/4-14 X 2	T3HWHC2514200				1.400	
1/4-14 X 2-1/2	T3HWHC2514250				1.900	
1/4-14 X 3	T3HWHC2514300				2.400	
1/4-14 X 4	T3HWHC2514400				3.400	
1/4-14 X 1	T3HWHSC2514100*		.500		Commercial over-head steel doors, hinges and latches	

* With serrations under head.



The best point ever for speed and consistency. Optimum for medium duty steel-to-steel applications.

Fastener Values

Fastener (dia.-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-14	2778	2000	92
1/4-14	4060	2600	150

Sheet Steel Gauges

Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Shear Values (average lbs. ultimate)

Fastener		Steel Gauge (lapped)							
Dia.	Pt.	26	24	22	20	18	16	14	12
12	2	365	600	623	898	1370	1758	2138	2202
	3	-	-	-	769	1358	1620	1970	1986
1/4	3	-	-	-	930	1442	2100	2584	2650

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Pullout Values (average lbs. ultimate)

Fastener		Steel Gauge								
Dia.	Pt.	26	24	22	20	18	16	14	12	3/16
12	2	156	243	283	375	605	848	1181	1856	3520
	3	142	211	289	341	551	757	1063	1631	2998
1/4	3	141	231	293	346	613	880	1145	1858	4550

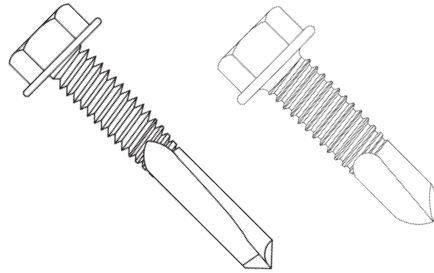
Corrosion Resistance

Kesternich Results (DIN 50018, 2.0L)		Salt Spray Results (ASTM B117)	
Climaseal	30 Cycles - 10% or less red rust		720 hours - 10% or less red rust

Installation Guidelines

1. A standard screwgun with a depth sensitive nosepiece should be used to install Tek's. For optimal fastener performance, the screwgun should be a minimum of 4 amps and have a RPM range of 0-2000.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

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The best point ever for speed and consistency. Optimum for medium duty steel-to-steel applications.

TEKS Self-Drilling Fasteners

Description	Part Number	Head Style	Drill Pt.	Drill & Tap Capacity	Max. Material Attachments	Applications
12-24 X 7/8	T4HWHC1224087	HWH	#4	.125-.250	.325	Metal deck, clips, liner, panels or accessories to structural steel or bar joist.
12-24 X 1-1/4	T45HWHC1224125		#4.5	.125-.375	.575	
12-24 X 1-1/4	T5HWHC1224125		#5	.125-.500	.375	
12-24 X 1-1/2	T5HWHC1224150				.625	
12-24 X 2	T5HWHC1224200				1.125	
1/4-28 X 3	T5HWH2528300*				2.150	Longer fasteners can be used in retrofit clip and sheet applications.
1/4-28 X 4	T5HWHC2528400*				3.150	
1/4-28 X 5	T5HWHC2528500				4.150	
1/4-28 X 6	T5HWHC2528600				5.150	

* 5/16 Across Flats HWH

Corrosion Resistance

	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Climaseal	30 Cycles - 10% or less red rust	720 hours - 10% or less red rust

Fastener Values

Fastener (dia.-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
12-24 T/4	3020	2100	100
12-24 T/4.5	3165	2200	150
12-24 T/5	3188	2200	150
1/4-28 T/5	5577	3310	234

Sheet Steel Gauges

Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

Note: Tek screws are not categorized as structural bolts. Proper design criteria and strengths must be used for satisfactory application. The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Shear Values (average lbs. ultimate)

Fastener	Steel Gauge (lapped)					
Dia.	Pt.	16	14	12	1/8	1/4
12	4	-	-	2048	2030	-
	4.5	-	-	2641	2887	2897
	5	-	-	2650	2700	2762
1/4	5	1597	2005	2350	2792	3310

Installation Guidelines

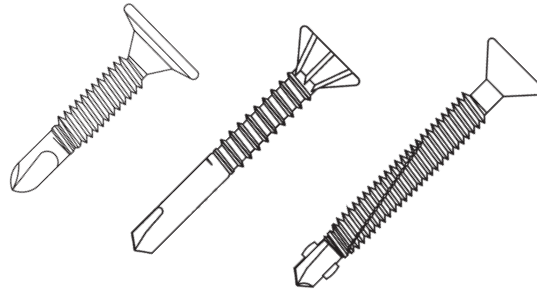
1. A standard screwgun with a depth sensitive nosepiece should be used to install Tek screws. For optimal fastener performance, the screwgun should be a minimum of 4 amps and have a RPM range of 0-2000.
2. Adjust the screwgun nosepiece to properly seat the fastener.
3. Worn or damaged bit tip should be replaced.
4. The fastener is fully seated when the head is flush with the work surface.
5. Overdriving may result in torsional failure of the fastener or stripout of the substrate.
6. The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.
7. All #10 diameter "Winged" parts must be driven into a minimum of 16 GA steel thickness.
8. All 1/4 and #12 diameter "Winged" parts must be driven into a minimum of 1/8" steel in order to break the wings consistently.

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Pullout Values (average lbs. ultimate)

Fastener	Steel Gauge					
Dia.	Pt.	16	14	12	3/16	1/4
12	4	-	-	1532	3485	4013
	4.5	-	-	1508	3865	4101
	5	-	-	1527	3701	3999
1/4	5	-	-	1507	3300	5059

No pre-drilling, fast, efficient attachment of wood to steel.



TEKS Self-Drilling Fasteners

Description	Part Number	Head Style	Drill Pt.	Drill & Tap Capacity	Wood Attachment Range	Applications
10-24 X 3/4	T3PWHWWC1016075	Wafer	#3	.036-.175	1/4-3/8	Plywood, mansard, fascia, roofing, flooring to steel framing.
10-24 X 1	T3PWHC1024100				1/4-1/2	
10-24 X 1-7/16*	T3PFHWWC1024144	PFH		.060-.175	1/4-3/4	
10-16 X 1-13/16**	T3PSFHC10161813	PSD Flat		.030-.175	1/4-3/4	
12-24 X 1-5/8*	T4PFHWWC1224162	PFH	#4	.125-.250	1/4-3/4	Plywood, 2 X 4's headers to steel framing.
12-24 X 2-1/4*	T4PFHWWC1224225				3/4-1-3/8	
12-24 X 2-3/4*	T4PFHWWC1224275				3/4-1-5/8	
1/4-20 X 3*	T4PFHWWC2520300				3/4-2	2 X 4's to steel framing.

* With wings

** With ribs under head

Pullout Values (average lbs. ultimate)

Fastener	Pt.	Steel Gauge									
		26	24	22	20	18	16	14	12	3/16	1/4
#10-16	3	-	208	266	299	499	708	967	1474	-	-
#10-24	3	-	-	-	334	495	702	900	1570	3865	4101
#12	4	-	-	-	-	-	-	-	1508	4297	-
1/4	4	-	-	-	-	-	-	-	1803	-	-

Fastener Values

Fastener (dia.-tpi)	Tensile (lbs. min.)	Shear (avg. lbs. ult.)	Torque (min. in. lbs.)
10-16	1936	1400	61
10-24	2702	1500	65
12-24	3165	2200	150
1/4-20	3860	2700	168

Shear Values (average lbs. ultimate)

Fastener	Pt.	Steel Gauge (lapped)					
		20	18	16	14	12	1/8
#10	3	728	1266	1540	1522	-	-
#12	4	-	-	-	-	2048	2030
1/4	4	-	-	-	-	2650	2820

Sheet Steel Gauges

Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Corrosion Resistance

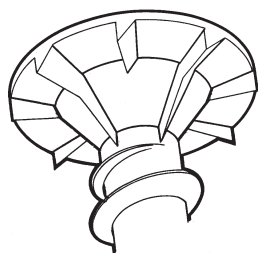
Gray Spex	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
	15 Cycles - 5% or less red rust	300 hours - 10% or less red rust

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Teks®, Climaseal®, and Spex™ are trademarks of ITW Buildex and Illinois Tool Works Inc. Phillips Square Drive® is a registered trademark of the Phillips Screw Company

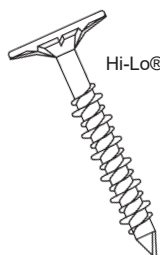


Rock-On:
High performance rib design is
still the best!

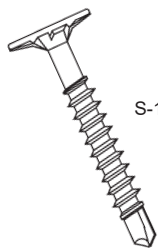
Backer-On:
Recognized for use with HARDIBACKER®
fiber cement backerboard



Backer-On™



Hi-Lo® Rock-On



S-12® Rock-On

Cement Board Fasteners

Length	Part Number	Material Attachment Range	Applications
9 X 1-1/4* Hi-Lo Rock-On	HLRO125	Up to 3/4" Material Thickness to Wood; 3/8"-1" Material Thickness to Steel	Cement Board to Wood or Light Gauge Steel 26-20 Gauge
9 X 1-5/8* Hi-Lo Rock-On	HLRO162	Up to 1-1/8" Material Thickness to Wood; 3/8"-1-3/8" Material Thickness to Steel	
9 X 2-1/4 Hi-Lo Rock-On	HLRO225	Up to 1-3/4" Material Thickness to Wood; 1" to 1-7/8" Material Thickness to Steel	
8 X 1-1/4* S-12 Rock-On	S12RO125	3/8" to 3/4" Material Thickness	Cement Board to Steel Studs 20-12 Gauge
8 X 1-5/8* S-12 Rock-On	S12RO162	3/8" to 1-1/4" Material Thickness	
8 X 2-1/4 S-12 Rock-On	S12RO225	1" to 1-7/8" Material Thickness	
10 X 1-1/4 Backer-On	BO125	Up to 3/4" Material Thickness to Wood; 3/8" - 1" Material Thickness to Steel	Backer Board

* Fully Threaded

Pullout Values in Steel (Gauge)

Fastener	26	24	22	20	18	16	14	12
S-12®	120	191	239	285	470	663	910	1424
Hi-Lo®	163	242	314	370	-	-	-	-
Backer-On™	271	371	457	615	-	-	-	-

Sheet Steel Gauges

Gauge No.	12	14	16	18	20	22	24	26
Decimal Equivalent	.105"	.075"	.060"	.048"	.036"	.030"	.024"	.018"

The values listed are ultimate averages achieved under laboratory conditions and apply to Buildex manufactured fasteners only. Appropriate safety factors should be applied to these values for design purposes.

Wood (Embedment) #2 SPF 2 X 4

Fastener	1/2"	3/4"	1"	1-1/4"
Hi-Lo®	223	312	555	676
Backer-On™	-	436	780	-

Corrosion Resistance

	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Rock-On Climacoat Finish	20 Cycles - 10% or less red rust	500 hours - 10% or less red rust
Backer-On Epoxy topcoat/ zinc plating	10 Cycles - 10% or less red rust	500 hours - 10% or less red rust

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Rock-On™, Backer-On™, Climacoat®, Hi-Lo®, and S-12® are trademarks of ITW Buildex and Illinois Tool Works Inc.
Hardibacker® is a registered trademark owned by James Hardie Research Pty Limited.



**Pullout Values (Average lbs. Ultimate)
Embedment 2" X 4"
Stud Grade S.Y. Pine.**

Description	1/2"	3/4"	1"	1-1/4"
6 X 1-1/4	182	329	422	-
6 X 1-5/8	182	329	422	620
7 X 2	189	318	440	630
8 X 2-1/2	186	290	502	630
8 X 3	186	290	502	645
10 X 3-1/2	241	386	522	721

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Dec-King®, is a trademark of
ITW Buildex and Illinois Tool Works Inc.

Dec-King Fasteners

Description	Part Number		Applications
	#2 Square Drive	# 2 Phillips	
6 X 1-1/4	-	DKP125	1" X 4" or 1" X 6" Base Trim; Lattice
6 X 1-5/8	DKSQ162	DKP162	1" X 4" or 1" X 6" Base Trim; Ballisters; Lattice
7 X 2	DKSQ200	DKP200	5/4" X 4" or 5/4" X 6" Radius Edged Decking 1" X 4" or 1" X 6" Base Trim; Ballisters; Lattice
8 X 2-1/2	DKSQ250	DKP250	5/4" X 4" or 5/4" X 6" Radius Edged Decking 2" X 4" or 2" X 6" Decking 2" X 6" or 2" X 8" Rail Cap or Base Trim
8 X 3	DKSQ300	DKP300	2" X 4" or 2" X 6" Decking 2" X 6" or 2" X 8" Rail Cap or Base Trim
10 X 3-1/2	DKSQ350	DKP350	2" X 4" or 2" X 6" Decking 2" X 6" or 2" X 8" Rail Cap or Base Trim

Corrosion Resistance

	Kesternich Results (DIN 50018, 2.0L)	Salt Spray Results (ASTM B117)
Climacoat	20 Cycles - 10% or less red rust	500 hours - 10% or less red rust



RSS® Structural

Features:

- Sharp threads & points
- Built-in washer
- Climatek® coated case hardened steel
- ICBO Report #5883

Features:

- Self-tapping
- Countersunk head
- Patented head & thread
- No pre-drilling
- No stripped heads

RSS® Structural Screw Sizes



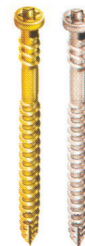
Part Number	Sizes
GRKRSS31250	5/16 X 2-1/2"
GRKRSS31275	5/16 X 2-3/4"
GRKRSS31313	5/16 X 3-1/8"
GRKRSS31400	5/16 X 4"
GRKRSS31513	5/16 X 5-1/8"
GRKRSS31600	5/16 X 6"
GRKRSS38318	3/8 X 3-1/8"
GRKRSS38400	3/8 X 4"
GRKRSS38518	3/8 X 5"
GRKRSS38600	3/8 X 6"
GRKRSS38700	3/8 X 7"
GRKRSS38800	3/8 X 8"
GRKRSS381000	3/8 X 10"
GRKRSS381200	3/8 X 12"



Trim Head® Screws

Features:

- Composite decks
- For all trim applications
- Strong heads & star head recess
- No pre-drilling



Part Number	Sizes
GRKR408150	8 X 1-1/2"
GRKR409125	9 X 1-1/4"
GRGR409150	9 X 1-1/2"
GRKR409200	9 X 2"
GRKR409250	9 X 2-1/2"
GRGR409275	9 X 2-3/4"
GRKR409313	9 X 3-1/8"
GRKR410250	10 X 2-1/2"
GRKR410313	10 X 3-1/8"
GRKR410350	10 X 3-1/2"
GRKR410400	10 X 4"
GRKR410475	10 X 4-1/2"
GRKR412313	12 X 3-1/8"
GRKR412400	12 X 4"
GRKR412475	12 X 5"
GRKR412638	12 X 6-3/8"
GRKR412725	12 X 7-1/4"
GRKR412800	12 X 8"

Part Number	Sizes
GRKTH08150	8 X 1-1/2"
GRKTH08200	8 X 2"
GRKTH08250	8 X 2-1/2"
GRKTH08313	8 X 3-1/8"
GRKTH09400	9 X 4"
GRKTH09500	9 X 5"

SAMMYS™

Wood Sammys



Rod Size	Screw Description	Part Number
1/4"	1/4 X 1	SAMGST100
	1/4 X 2	SAMGST200
3/8"	1/4 X 1	SAMGST10
	1/4 X 2	SAMGST20
	3/8 X 2-1/2	SAMGST25-380
	1/4 X 3	SAMGST30
1/2"	1/4 X 2	SAMGST2
	1/4 X 3	SAMGST3



Steel Sammys



Rod Size	Screw Description	Part Number
1/4"	1/4-14 X 1 TEK 3	SAMDST100
	1/4-14 X 1-1/2 TEK 3	SAMDST150
3/8"	12-24 X 1-1/2 TEK 5	SAMDSTR1-1/2
	1/4-20 X 1 TEK 3	SAMDSTR1
	5/16-18 X 1-1/4 TEK 3	SAMDSTR516(38)
	1/4-14 X 1 TEK 3	SAMDST10
	1/4-12 X 1-1/2 TEK 3	SAMDST15
	1/4-14 X 2 TEK 3	SAMDST20
	1/4-14 X 3 TEK 3	SAMDST30
	12-24 X 1-1/2 TEK 5	SAMTEK50
1/2"	12-24 X 1-1/2 TEK 5	SAMTEK5.0

Concrete Sammys



Rod Size	Screw Description	Part Number
1/4"	5/16 X 1-1/2	SAMCST200
3/8"	5/16 X 1-1/2	SAMCST20
1/2"	5/16 X 1-1/2	SAMCST2

**NOTE: Most Items Available in Stainless Steel,
Box Quantity - 25, Case Quantity - 125**

Speedy Pole Tool and Drivers

Description	Part No.
12' (4'-12') Speedy Pole Tool (8124910)	SAMSP4
18' (6'-18') Speedy Pole Tool (8125910)	SAMSP6
Sammy Socket Driver (8127910)	SAM0138
Ceiling Wire Socket Driver (8128910)	SAM3004

The Pole Tool and Universal Socket Kit provide easy and safe installation for:

Sammys	
Threaded Rod	Jack Chain
Pencil Rod	Wire
Ceiling Screws	Screws



Universal Installation Kit

Includes:

Adaptor Plug
Socket Driver for Sammy Super Screws
Socket Driver for Ceiling Wire Screws
Socket Driver for 1/4" Standard Nut Drivers
Stud Plug for Viper or Ladd Powder Actuated Attachment



Part # **SAM3008**

Concrete/Wood Installation Kit

Use for installing SAMMYS and Sidewinders into concrete or extremely hard wood.

Includes:

1/4" Bit	1/4" Bit Receiver
1/4" SDS Bit	Nut Driver
7/32 Wood Bit	SW Nut Driver
SL 250 Sleeve	



Part # **SAM3009**

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Sammys™, Sammy Super Screw®, Speedy Pole Tool™, Sammy Swivel Head™, Sammy X-Press™, Sammy X-Press It™, Sidewinders™, Teks®, and Building Ideas that Work® are trademarks of ITW Buildex and Illinois Tool Works Inc.

Wood Sidewinder



Rod Size (inches)	Screw Description	Part Number
3/8	1/4 X 1	SAMSWG10
	1/4 X 2	SAMSWG20
	3/8 X 2-1/2	SAMSWG25-380
	1/4 X 3	SAMSWG30

Steel Sidewinder



Rod Size (inches)	Screw Description	Part Number
3/8	1/4-14 X 1 TEKS 3	SAMSW10
	1/4-20 X 1 TEKS 3	SAMSWR1



Nut Driver

Use #14SW Nut Driver for Sidewinders and 1/2" Rod Sammys

Part #SAM14SW



Nut Driver

Use #14 Nut Driver for Sammys and Swivel Head

Part #SAM14SH

Concrete Sidewinder



Rod Size (inches)	Screw Description	Part Number
3/8	5/16 X 1-1/2	SAMSWC20

NOTE: Most Items Available in Stainless Steel

Sammy Swivel Head for Wood

Screw Description	Part Number
1/4 X 2	SAMSHGST20

Sammy Swivel Head for Steel

1/4-20 X 1	SAMSHDSTR1
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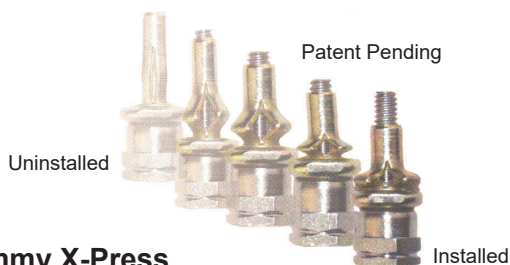


Use with 3/8" rod
17° deflection from vertical
Accommodates up to 3-1/2 X 12 pitch roof
Also available in stainless steel

Use #14 Nut Driver (black)

U.S. Patent No.
6,443,680

Hang Threaded Rod Directly from Thin Gauge Metal Deck & Purlin

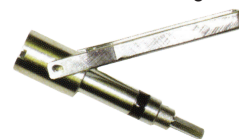


Sammy X-Press

Screw Description	Part Number	Steel Ga.
1/4-20 X 1-1/8 Sammy X-Press 20	SAMXP20	22-20
1/4-20 X 1-1/8 Sammy X-Press 35	SAMXP35	18-16

Box Quantity 25
Case Quantity 125

Patent Pending



Installation Tool

Sammy X-Press Tools

Tool Description	Part No.
Sammy X-Press It Installation Tool*	SAMXPIT
25/64" Drill Bit	SAMXPDB

*Kit Includes: Sleeve, Bit Receiver, Hex Wrench, and 25/64" Drill Bit

Phillips Pan Head Self Drill - Zinc



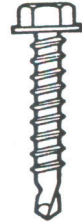
Part Number	Size (inches)	#/Case
SDPPHZ0620038	6 X 3/8	20M
SDPPHZ0620050	6 X 1/2	15M
SDPPHZ0620075	6 X 3/4	10M
SDPPHZ0818050	8 X 1/2	10M
SDPPHZ0818075	8 X 3/4	10M
SDPPHZ0818100	8 X 1	8M
SDPPHZ0818150	8 X 1-1/2	5M
SDPPHZ0818200	8 X 2	3M
SDPPHZ1016050	10 X 1/2	8.5M
SDPPHZ1016075	10 X 3/4	6.5M
SDPPHZ1016100	10 X 1	5M
SDPPHZ1016150	10 X 1-1/2	4M
SDPPHZ1016200	10 X 2	2M
SDPPHZ1214075	12 X 3/4	5M
SDPPHZ1214100	12 X 1	3M
SDPPHZ1214150	12 X 1-1/2	2M
SDPPHZ1214200	12 X 2	1M
SDPPHZ2514100	14 X 1	1M
SDPPHZ2514150	14 X 1-1/2	1M

Phillips Flat Head Self Drill - Zinc




Part Number	Size (inches)	#/Case
SDPFHUCZ0818050	8-18 X 1/2 (U/C)	5M
SDPFHUCZ0818075	8-18 X 3/4	10M
SDPFHUCZ0818100	8-18 X 1	7M
SDPFHUCZ0818125	8-18 X 1-1/4	5M
SDPFHUCZ0818150	8-18 X 1-1/2	5M
SDPFHUCZ0818200	8-18 X 2	3M
SDPFHUCZ1016050	10-16 X 1/2 (U/C)	10M
SDPFHUCZ1016075	10-16 X 3/4 (U/C)	7M
SDPFHUCZ1016075	10-16 X 3/4	8M
SDPFHUCZ1016100	10-16 X 1	5M
SDPFHUCZ1016150	10-16 X 1-1/2	4M
SDPFHUCZ1016200	10-16 X 2	2.5M
SDPFHUCZ1214100	12-14 X 1 (U/C)	3M
SDPFHUCZ1214200	12-14 X 2	1M
SDPFHUCZ1214400	12-14 X 4	.6M
SDPFHUCZ2514100	1/4-14 X 1 (U/C)	3M
SDPFHUCZ2514150	1/4-14 X 1-1/2	2M
SDPFHUCZ2514150	1/4 X 1-1/2 (U/C)	3M
SDPFHUCZ2514200	1/4-14 X 2	1M
SDPFHUCZ2514250	1/4-14 X 2-1/2	1.2M
SDPFHUCZ2514300	1/4-14 X 3	1M

Hex Washer Head Self Drill -ZP

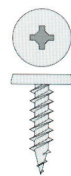



Part Number	Size (inches)	#/Case
SDHWHZ0620038	6 X 3/8	20M
SDHWHZ0620050	6 X 1/2	15M
SDHWHZ0620075	6 X 3/4	10M
SDHWHZ0818050	8 X 1/2	10M
SDHWHZ0818075	8 X 3/4	10M
SDHWHZ0818100	8 X 1	8M
SDHWHZ0818150	8 X 1-1/2	4M
SDHWHZ0818200	8 X 2	3M
SDHWHZ1016050	10 X 1/2	8.5M
SDHWHZ1016075	10 X 3/4	6M
SDHWHZ1016100	10 X 1	5M
SDHWHZ1016125	10 X 1-1/4	4M
SDHWHZ1016150	10 X 1-1/2	4M
SDHWHZ1016200	10 X 2	2M
SDHWHZ1016300	10 X 3	2M
SDHWHZ1214075	12 X 3/4	5M
SDHWHZ1214100	12 X 1	3M
SDHWHZ1214150	12 X 1-1/2	2.5M
SDHWHZ1214200	12 X 2	2M
SDHWHZ1214250	12 X 2-1/2	1.5M
SDHWHZ1214300	12 X 3	1M
SDHWHZ1214400	12 X 4	750
SDHWHZ2514075	1/4 X 3/4	4M
SDHWHZ2514100	1/4 X 1	3M
SDHWHZ2514150	1/4 X 1-1/2	2M
SDHWHZ25142100	1/4 X 2	1M
SDHWHZ2514250	1/4 X 2-1/2	1M
SDHWHZ2514300	1/4 X 3	1M
SDHWHZ2514400	1/4 X 4	1M
SDHWHZ2514500	1/4 X 5	5C
SDHWHZ2514600	1/4 X 6	5C
SDHWHZ3112100	5/16 X 1	1M
SDHWHZ3112200	5/16 X 2	600
SDHWHZ3112500	5/16 X 2-1/2	600
SDHWHZ3113000	5/16 X 3	400



Phillips Oval Head Self Drill - Zinc

Part Number	Size (inches)	#/Case
SDPOHZ0620100	6-20 X 1	10M
SDPOHZ0620125	6-20 X 1-1/4	7.5M
SDPOHZ0818075	8-18 X 3/4	10M
SDPOHZ0818100	8-18 X 1	7.5M
SDPOHZ0818125	8-18 X 1-1/4	6M
SDPOHZ0818150	8-18 X 1-1/2	5M
SDPOHZ1016100	10-16 X 1	7.5M
SDPOHZ2524100	14-24 X 1	3M



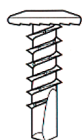
QuaDrex® Drive - Type 17 Clip Screw

Part Number	Size (inches)	#/Case
SPPSPKHZ1016100	10 X 1	6M



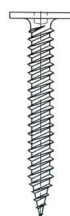
Phillips Pancake Head Clip Screws

Part Number	Size (inches)	#/Case
SPPPKHZ1012100	10 X 1 Type A	5M
SDPPKHZ1016100	10 X 1 S/D	5M



Phillips Truss Head w/Serrations - Zinc

Part Number	Size (inches)	#/Case
SDPTHZ1016075	10 X 3/4	7.5M



LCS™ Low Profile Clip Screws

Ultra Thin Pancake Head, #1 Sq. Drive, Type A Point. Available in three finishes: Zinc Yellow Dichromate, Black E-coat, and 300 Series Stainless Steel

Part Number	Size (inches)	#/Box
TFCLIPSSC	10 X 1 .410 SS	1000
F3-TFCLIPYZ	10 X 1 Yellow Zinc	1000



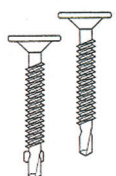
PFH Self Drill Reamer with Wings - Zinc

Part Number	Size (inches)	#/Case
SDPFHWZ1224200	12-24 X 2	2M
SDPFHWZ1224250	12-24 X 2-1/2	1.5M
SDPFHWZ2520275	14/-20 X 2 3/4	1M
SDPFHWZ2520325	1/4-20 X 3-1/4	1M
SDPFHWZ2520375	1/4-20 X 3-3/4	800



Kick Plate Screw, Phillips Truss Head Tek/2, .410 Stainless, Chrome Plated

Part Number	Size (inches)	#/Case	#/Lb.
KICK50	6-20 X 1/2"	1000	460



Phillips Wafer Self-Drill - Zinc

Part Number	Size (inches)	#/Case
SDPWHZ1024100	10-24 X 1	5M
SDPWHZ10242000	10-24 X 2	2M
SDPWHZ2514187144	14-4 X 1-7/8	1.5M



DrilFlex® Structural Fasteners Elco Textron - HWH #3 & #4

Part Number	Size (inches)	#/Case
ELC-DF3HWHC25200	1/4-14 X 2	1.5M
ELC-DF4HWHC25113	1/4-20 X 1-1/8	2.5M
ELC-DF4HWHC25150	1/4-20 X 1-1/2	2M
ELC-DF4HWHC25200	1/4-20 X 2	1.5M

- Virtual immunity to embrittlement failure
- Self-drilling convenience and labor savings
- The strength and ductility of bolted connections
- Stalgard® corrosion-resistant finish
- ICBO Evaluation Report No. 4780



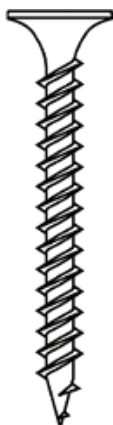
Bonded Sealing Washers

Part Number	Size (inches)	#/Case
BWG08050	8-10 X 1/2	12.5M
BWG12062	12 X 5/8	8M
BWG14062	14 X 5/8	8M
BWG14100	14 X 1	3M
BWG31075	5/16 X 3/4	—

Drywall Screws

**Bugle Head - #2 Phillips Drive - Black Phosphate
Sharp Point - Fine Thread**

Part Number	Size (inches)	#/Case
SPPBHB0618075	6 X 3/4	15M
SPPBHB0618100	6 X 1	10M
SPPBHB0618113	6 X 1-1/8	10M
SPPBHB0618125	6 X 1-1/4	8M
SPPBHB0618150	6 X 1-1/5	6M
SPPBHB0618162	6 X 1-5/8	5M
SPPBHB0618200	6 X 2	3.5M
SPPBHB0618225	6 X 2-1/4	3M
SPPBHB0815250	8 X 2-1/2	2.5M
SPPBHB0815300	8 X 3	2M
SPPBHB1012350	10 X 3-1/2	1M
SPPBHB1012375	10 X 3-3/4	800
SPPBHB1012400	10 X 4	800
SPPBHB1012450	10 X 4-1/2	500
SPPBHB1012500	10 X 5	500
SPPBHB1012600	10 X 6	500

**Drywall Screws**

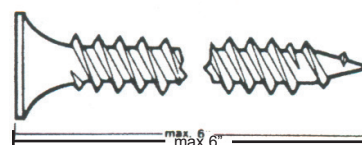
**Phillips Bugle Hi and Low Drywall Screws
Black Phosphate**

Part Number	Size (inches)	#/Case
SPPBHB06HL100	6 X 1	10M
SPPBHB06HL125	6 X 1-1/4	8M
SPPBHB06HL162	6 X 1-5/8	5M
SPPBHB06HL200	6 X 2	3.5
SPPBHB06HL225	6 X 2-1/4	3M
SPPBHB06HL250	8 X 2-1/2	2.5M
SPPBHB06HL300	8 X 3	2M

**Outdoor Screws**

**Bugle Head - #2 Phillips Drive - Long
ACQ Compatible**

Part Number	Size (inches)	#/Case
PPBHDC1008350	10 X 3-1/2	1000
PPBHDC1008400	10 X 4	1000
PPBHDC1008450	10 X 4-1/2	1000
PPBHDC1008500	10 X 5	750
PPBHDC1008600	10 X 6	500

**Drywall Screws**

**Bugle Head - #2 Phillips Drive - Black Phosphate
Sharp Point - Coarse Thread**

Part Number	Size (inches)	#/Case
SPPBHB0609100	6 X 1	15M
SPPBHB0609113	6 X 1-1/8	10M
SPPBHB0609125	6 X 1-1/4	8M
SPPBHB0609150	6 X 1-1/2	6M
SPPBHB0609162	6 X 1-5/8	5M
SPPBHB0609200	6 X 2	3.5M
SPPBHB0609225	6 X 2-1/4	3M
SPPBHB0808250	8 X 2-1/2	2.5M
SPPBHB0808300	8 X 3	2M
SPPBHB1008350	10 X 3-1/2	1M
SPPBHB1008400	10 X 4	1M

**GRABBER® Bugle Head - Self Drilling**

Attaches gypsum, insulation board, wood, etc. to metal studs 14-20 ga. No 2 Phillips recess -Zinc

Part Number	Size (inches)	#/Case
SDPBHZ0620100	1	10M
SDPBHZ0620125	1-1/4	8M
SDPBHZ0620162	1-5/8	5M
SDPBHZ0620187	1-7/8	4M
SDPBHZ0818238	2-3/8	3M
SDPBHZ0818262	2-5/8	2M
SDPBHZ0818300	3	2M
SDPBHZ1016400	4	1M
SDPBHZ1016500	5	1M

**Laminating Screw**

Bugle Head - Gyp to Gyp

Black

Part Number	Size (inches)	#/Case
LAMPBH10150	10 X 1-1/2	5M



ROCK-ON™ Cement Board Fasteners



Hi-Lo® CLIMACOAT™ Plating Cement Board to Wood or Light Gauge Steel 26-20 Gauge

Part Number	Size (inches)	Qty/Case
HLRO125	1-1/4	5M
HLRO162	1-5/8	4M
HLRO225	2-1/4	2M



S-12™ Cement Board to Steel Studs 20-12 Gauge

Part Number	Size (inches)	Qty/Case
S12RO125	1-1/4	5M
S12RO162	1-5/8	4M
S12RO225	2-1/4	2M

Framer, MTH & Multipurpose Screws

Framer- Sharp Point

Zinc & Black



Part Number	Size (inches)	Qty/Case
SPPPHB0609044	6 X 7/16 - Black	10M
SPPPHB0709044	7 X 7/16 - Black	10M
F3-FRSPZ6716	6 X 7/16 - Zinc	10M

Framer- Self Drill

Zinc & Black



Part Number	Size (inches)	Qty/Case
SDPPHB0709044	7 X 7/16 - Black	10M
SDPPHZ0709044	7 X 7/16 - Zinc	10M

Slotted Index Hex Washer Head Sharp Point Screws - Zinc Plated



Part Number	Size (inches)	Hd Dia.	Qty/Cs
SPHWHZ0618038	6 X 3/8	1/4	20M
SPHWHZ0720050	7 X 1/2		15M
SPHWHZ0818050	8 X 1/2		10M
SPHWHZ0818075	8 X 3/4		10M
SPHWHZ0818100	8 X 1		8M
SPHWHZ0818150	8 X 1-1/2		5M
SPHWHZ0818200	8 X 2		3M
SPHWHZ1012075-1/4	10 X 3/4		8M
SPHWHZ1012100-1/4	10 X 1		5M
SPHWHZ1012150-1/4	10 X 1-1/2 Hi-Hex		3M
SPHWHZ1012200-1/4	10 X 2		2M
SPHWHZ1012050	10 X 1/2	5/16	10M
SPHWHZ1012075	10 X 3/4		8M
SPHWHZ1012100	10 X 1		5M
SPHWHZ1012150	10 X 1-1/2		3M
SPHWHZ1012200	10 X 2		2M

Painted HWH Sharp Point Screws Size 8 x 1/2 ONLY

(specify color when ordering)

Available Stock Colors:

Low Gloss White Dark Bronze
Almond Sierra Tan

Modified Truss Head - Self Drill

K - LATH - Zinc



Part Number	Size (inches)	Qty/Case
SDMTHZ0818050	8 X 1/2	10M
SDMTHZ0818075	8 X 3/4	8M
SDMTHB0818075	8 X 3/4 Black	
SDMTHZ0818100	8 X 1	5M
SDMTHZ0818125	8 X 1-1/4	5M
SDMTHZ0818162	8 X 1-5/8	4M
SDMTHZ0818187	8 X 1-7/8	2M
SDMTHZ0818250	8 X 2-1/2	2M
SDMTHZ0818300	8 X 3	1.5M

Modified Truss Head - Sharp Point

K - LATH - Zinc



Part Number	Size (inches)	Qty/Case
SPMTHZ0815050	8 X 1/2	10M
SPMTHZ0815075	8 X 3/4	8M
SPMTHB0815075	8 X 3/4 Black	
SPMTHZ0815100	8 X 1	5M
SPMTHB0815100	8 X 1 Black	
SPMTHZ0815125	8 X 1-1/4	5M
SPMTHB0815125	8 X 1-1/4 Black	
SPMTHZ0815162	8 X 1-5/8	4M
SPMTHZ0815187	8 X 1-7/8	2.5M
SPMTHZ0815250	8 X 2-1/2	2M
SPMTHZ0815300	8 X 3	1.5M



Impax™ — Performance Self Drill Sealer

The metal building industry's leading fastener



WEATHER GARD®

Features:

Precision cold forged assuring superior point strength and the fastest drilling time performance through high strength steel and nested purlins
Ultimate performance in light, medium and heavy gage applications
Designed and engineered to have low driving and thread engagement torque and provide maximum clamp load
Mechanical zinc plated and coated with Silver Senti™ for extended corrosion resistance

12-14 Impax™ SD3 Sealer Screw 5/16" HWH

Assembled bondSeal

Metal to Metal

Drilling capacity: .035 – .210

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Min projection: 3/16" of threads below substrate



5/16" AF Hex Washer Head
Thread Major Dia: .215-.209
Thread Minor Dia: .164-.157

Strength (lbs ult.):

Tensile: 2900
Torsional: 92 in-lbs
Shear: 2050

Pull-out (lbs ult.):

12 ga (.105): 1524
14 ga (.075): 901
16 ga (.060): 665

Pull-over (lbs ult.):

22 ga (.030): 1249
24 ga (.024): 1056
26 ga (.018): 654

Length (Inches)	Part Number	Qty/Bg/Cs
12-14 X 3/4	SDHWHBWC1214075	250/bg - 2,500/cs
12-14 X 1	SDHWHBWC1214100	250/bg - 2,500/cs
12-14 X 1-1/4	SDHWHBWC1214125	250/bg - 2,500/cs
12-14 X 1-1/2	SDHWHBWC1214150	250/bg - 2,000/cs
12-14 X 2	SDHWHBWC1214200	1,500/cs
12-14 X 2-1/2	SDHWHBWC1214250	1,500/cs
12-14 X 3	SDHWHBWC1214300	1,500/cs
12-14 X 4	SDHWHBWC1214400	1,000/cs

Painted Screws

Chromagard color is a high performance acrylic polyurethane finish that's formulated for exceptional adhesion, fade resistance, and gloss retention. Any color can be matched in any quantity!

Contact us for a list available colors.

Impax™ — Heavy Metal Thickness — Structural Drill Screws

Features:

- Precision cold forged assuring superior point strength and the fastest drilling time performance through high strength steel and nested purlins
- Delivers ultimate performance in medium and heavy gage applications
- Designed and engineered to have low driving and thread engagement torque and provide maximum clamp load
- Zinc plated and coated with Silver Sentri™ for extended corrosion resistance

1/4-14 Impax SD3 Sealer Screw 3/8"HWH

Assembled bonSeal

Metal to metal

Drilling capacity:

#3 point: .050– .210

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Min projection: 3/16" of threads below substrate

#3 – 3/8" AF Hex Washer Head

Thread Major Dia: .246 – .240

Thread Minor Dia: .192 – .185

Strength (lbs ult.):

Tensile: 3800

Torsional: 150 in-lbs

Shear: 2850

Pull-out (lbs ult.):

12 ga (.105): 1697

1/4" (.075): 1151

16 ga (.060): 687

Pull-over with Bond Seal (lbs ult.):

22 ga (.030): 1079

24 ga (.024): 884

26 ga (.018): 616



Length (Inches)	Part Number	Qty/Cs
1/4-14 X 3/4	SDHWHBWC2514075	2,500
1/4-14 X 1	SDHWHBWC2514100	2,000
1/4-14 X 1-1/4	SDHWHBWC2514125DB	2,000
1/4-14 X 1-1/2	SDHWHBWC2514150	2,000
1/4-14 X 2	SDHWH2BWC2514200	1,500
1/4-14 X 2-1/2	SDHWHBWC2514250	1,500
1/4-14 X 3	SDHWHBWC2514300	750
1/4-14 X 4	SDHWHBWC2514400	1,000

12-24 Impax™ SD4.5 Sealer Screw 5/16"HWH

Assembled bondSeal

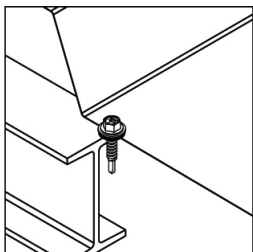
Metal to metal

Drilling capacity: .075 – .375

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Thread length: 12-24 X 1-1/4": .520

Min projection: 3/16" of threads below substrate



5/16" #4.5 AF Hex Washer Head

Thread Major Dia: .216 – .210

Thread Minor Dia: .186 – .181

Strength (lbs ult.):

Tensile: 3450

Torsional: 100 in-lbs

Shear: 2420

Pull-out (lbs ult.):

12 ga (.105): 1378

3/16" ga (.187): Exceeds tensile value

1/4" ga (.250): Exceeds tensile value

Pull-over with Bond Seal (lbs ult.):

22 ga (.030): 1049

24 ga (.024): 864

26 ga (.018): 854

Length (Inches)	Part Number	Qty/Cs
12-24 X 1-1/4	SDHWHBWC1224125	2,500/cs

1/4-20 Impax™ SD5 Sealer Screw 3/8"HWH

Assembled bondSeal

Metal to metal

Drilling capacity: .105 – .500"

Thickness is based on normal, single thickness girt or multiple material thickness combined for total.

Min projection: 3/16" of threads below substrate.

3/8" AF Hex Washer Head

Thread Major Dia: .249 – .241

Thread Minor Dia: .200 – .184

Strength (lbs ult.):

Tensile: 4200

Torsional: 156 in-lbs

Shear: 2920

Pull-out (lbs ult.):

12 ga (.105): 1532

1/4" (.250): Exceeds tensile value

3/8" (.375): Exceeds tensile value

1/2" (.500): Exceeds tensile value

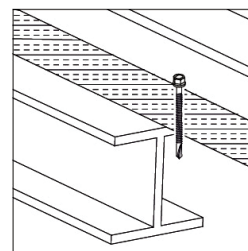
Pull-over with Bond Seal (lbs ult.):

22 ga (.030): 1117

24 ga (.024): 988

26 ga (.018): 629

Test values obtained from lab report #5006.13



Length (Inches)	Part Number	Qty/Cs
14-20 X 5	SDHWHBWC2520500	600/cs
14-20 X 8	SDHWHBWC2520800	500/cs

HiLo Woodgrip™ Screws

Features:

HiLo Woodgrip is a sheet to wood fastener manufactured with a milled point designed to self-drill metal panels:

Hi Hex Washer Head provides driving stability and a sharp, milled point for quick installation
Mechanical zinc plated and Silver Senti™ coated for corrosion protection



Painted Screws

Chromagard color is a high performance acrylic polyurethane finish that's formulated for exceptional adhesion, fade resistance, and gloss retention. Any color can be matched in any quantity!

Contact us for a list of available colors.

HiLo Woodgrip 10-15

Assembled Bond Seal Washer - Metal to Wood

Self Drills through the metal panel and taps into wood substrate. Min penetration in wood substance should be no less than 1".

Performance Pounds Ultimate

#10 HiLo Woodgrip™ Bond Seal Washer

Pull-out (lbs ult.) Wood: Spruce, Pine, Fir	Pull-out Plywood	Pull-out OSB	Pull-over
1-1/2" Penetration: 1537	3/4":560	23/32":272	28 ga: 378
1" Penetration: 727	5/8": 484	19/32": 258	26 ga: 519
—	1/2": 324	7/16": 216	24 ga: 704



Part Number	Size (Inches)	Qty/Bg/Cs
WGH100	1"	250/bg - 3,000/cs
WGH150	1-1/2"	250/bg - 2,500/cs
WGH200	2"	250/bg - 2,000/cs
WGH250	2-1/2"	250/bg - 1,500/cs
WGH300	3"	250/bg - 1,000/cs

Bi-Metal Woodgrip

1/4 HWH Sharp Point

Assembled with stainless Bond Seal Metal to wood

Self Drills through the metal panel and taps into wood substrate. Min penetration in wood substance should be no less than 1".

Bi-Metal Woodgrip™ Screws

Size (Inches)	Part Number	Qty/Bg/Cs
1"	WGBS100	250/bg - 3,000/cs
1-1/2"	WGBS150	250/bg - 2,500/cs
2"	WGBS200	250/bg - 2,000/cs
2-1/2"	WGBS250	250/bg - 1,500/cs



Bi-Metal Woodgrip™ & Stainless Woodgrip™

Features:

Bi-Metal woodgrip is a wood fastener designed to self-drill metal panels:

Head and the majority of shank is 304 Stainless Steel, with a welded, hardened carbon steel point for self drilling performance

Provides the corrosion protection of stainless with the drill performance of a carbon steel fastener

Meets ACQ Requirements

Stainless Woodgrip is an all stainless wood fastener designed for use with aluminum panels:

Provides the corrosion protection of stainless

High hex washer head provides driving stability and a sharp point for quick installation into aluminum

Stainless Steel

1/4 HWH Sharp Point

Assembled with Aluminum Bond Seal Metal to wood

Self Drills through the aluminum panel and taps into wood substrate. Min penetration in wood substance should be no less than 1".



Stainless Woodgrip™ Screws

Size (Inches)	Part Number	Qty/Bg/Cs
9 X 1	WGA100	250/bg - 3,000/cs
9 X 1-1/2	WGA150	250/bg - 2,500/cs
9 X 2	WGA200	250/bg - 2,000/cs
9 X 2-1/2	WGA250	250/bg - 1,500/cs
9 X 3	WGA300	250/bg - 1,000/cs

Woodgrip™ #14 Type A Milled Point Screws

Features:

Milled Point carbon steel self tapping fasteners are designed for attaching both metal to wood and metal to metal:

These fasteners do not require a pre-drilled hole when attaching 26 and 24 gage metal to wood

#14 Type A Milled Point Carbon Steel - Metal to wood

Self drilling metal thickness:

Sheet .018 – .030

Thickness is based on normal, single or multiple material thickness combined for total.

Min depth penetration into the wood sub structure: 1"



Length (Inches)	Part Number	Qty/Cs
14 X 1	WGHWH1410100	2,500
14 X 1-1/2	WGHWH1410150	2,000
14 X 2	WGHWH1410200	1,500
14 X 2-1/2	WGHWH1410250	1,000

#17 Type AB

Strip out repair Type AB Metal to metal

Attachment thickness: .036 – .060

Min projection: 3/8" of threads below substrate



Length (Inches)	Part Number	Qty/Cs
#17 X 3/4"	SMHBBWZ1712075	2,500
#17 X 1"	SMHBBWZ1712100	2,000

#14 Type AB and B

Metal to metal

Attachment thickness: .044 – .500

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Min projection: 3/8" of threads below substrate



Length (Inches)	#14 AB - Stainless Steel Part Number	Qty/ Cs	#14 B - Zinc Part Number	Qty/ Cs
14 X 3/4	SMHBBWSS2514075	2,500	SMBHBBWZ2514075	2,500
14 X 1	SMHSS2514100	2,500	SMBHBBWZ2514100	2,500
14 X 1-1/2	—	—	SMBHBBWZ2514150	2,000
14 X 2	—	—	SMBHBBWZ2514200	2,000
14 X 4	—	—	SMBHBBWZ2514400	1,000



Tapping Screws — Carbon Steel

Features:

Carbon steel self-tapping fasteners are the original metal construction fastener that can be used in metal to metal and metal to wood applications. Tapping screws are available in long lengths for specialty applications.

#14 Type A Metal to metal

Attachment thickness: .044 – .075

The hole size determines installation performance and pullout strength.

Thickness is based on normal, single thickness purlin/girt or multiple material thickness combined for total.

Min projection: 3/8" of threads below substrate

Metal Thickness

.021 – .026

.027 – .050

.051 – .075

Drill Bit Size

1/8 (.125)

3/16 (.187)

#8 (.199)



Length (Inches)	Part Number	Qty/Cs
14-10 X 3/4	SMHBBWZ2510075	2,500
14-10 X 1	SMHBBWZ2510100	2,500
14-10 X 1-1/4	SMHBBWZ2510125	2,000
14-10 X 1-1/2	SMHBBWZ2510150	2,000
14-10 X 2	SMHBBWZ2510200	2,000
14-10 X 2-1/2	SMHBBWZ2510250	1,500
14-10 X 3	SMHBBWZ2510300	1,500
14-10 X 3-1/2	SMHBBWZ2510350	1,250
14-10 X 4	SMHBBWZ2510400	1,000

Metal Thickness

AB .021 – .026

AB .027 – .050

AB .051 – .075

AB .075 – .110

B .065 – .085

B .085 – .115

B .115 – .375

B .375 – .500

Drill Bit Size

1/8 (.125)

5/32 (.156)

#8 (.199)

#7 (.201)

#8 (.199)

#7 (.201)

#1 (.228)

15/64 (.231)



Square and Round Base Pipe Flashing Application

Master Flash Square Base - Black

Size	Part Number	Pipe Size	Base Size
1	MPF1	1/4" – 2-3/4"	4-1/2"
2	MPF2	7/8" – 4"	6"
3	MPF3	1/4" – 5-3/4"	8"
4	MPF4	2-3/4" – 7"	10"
5	MPF5	4" – 8-1/4"	11"
6	MPF6	4-3/4" – 10"	12"
7	MPF7	5-1/2" – 11"	14"
8	MPF8	6-3/4" – 13"	17"



Features:

Pipe opening can be easily customized on job site utilizing clearly marked pipe diameters on each flashing
EPDM and Silicone are both flexible materials, resistant to ultraviolet rays, cracking or weathering
Available in EPDM black or gray and silicone red
The aluminum base is corrosion resistant and conforms easily to any panel configuration or roof pitch
Retrofit flashing is available for piping with welded caps or cross bars

Material Specifications

Test Type	EPDM	Silicone
Advance ozone resistance test @ 500 pphm	70 Hrs.	70 Hrs.
High Temperature Intermittent Continuous	+275° F +212° F	+500° F +437° F
Low Temperature Resistance tested to Tensile Strength	-65° F 1450 psi	-100° F 700 psi

Flasher Round Base - Black

Pipe	Part Number	Base Size	O.D.
1	FG1	1/4" – 2-1/2"	4-3/4"
2	FG2	1-3/4" – 3"	6-1/4"
3	FG3	2-1/4" – 5"	7-3/4"
4	FG4	3" – 6-1/4"	9-1/4"
5	FG5	4-1/4" – 7-3/4"	10-3/4"
6	FG6	5" – 9"	12-1/4"
7	FG7	6" – 11"	14-1/4"



Sikaflex 15LM Construction Sealant - 10.1 Fluid Oz. Hi-performance, low modulus elastomeric sealant



Use for Sealing Cracks, Expansion Joints, Doors, Windows, Siding, Roofing, Gutters, Sills, Thresholds, Basements, Vents, Skylights, Wall Penetrations and Precast Panels.

Apply to Concrete, Wood, Brick, Aluminum, Steel, Glass, Tile, Marble, Stone and Etched PVC.

Part Number	Color	#Case
SIKASALM	Almond	12
SIKASALUM	Aluminum Gray	12
SIKASBLK	Black	12
SIKASWH	Colonial White	12
SIKASCAPT	Capitol Tan	12
SIKASLIM	Limestone	12
SIKASDBR	Dark Bronze	12
SIKASRWT	Redwood Tan	12
SIKASGRN	Hartford Green	12

(More colors & information available)

Steel Rivets - Steel Mandrel



Part Number	Type	Grip Range	Diam.
RIVSB41	SB4-1	3/32-1/16	1/8
RIVSB42	SB4-2	1/16-1/8	1/8
RIVSB43	SB4-3	1/8-3/16	1/8
RIVSB44	SB4-4	3/16-1/4	1/8
RIVSB46	SB4-6	5/16-3/8	1/8
RIVSB48	SB4-8	3/8-1/2	1/8
RIVSB52	SB5-2	1/32-1/8	5/32
RIVSB54	SB5-4	3/16-1/4	5/32
RIVSB62	SB6-2	1/16-1/8	3/16
RIVSB64	SB6-4	1/8-1/4	3/16
RIVSB66	SB6-6	1/4-3/8	3/16
RIVSB68	SB6-8	3/8-1/2	3/16

Stainless Steel Rivets



Part Number	Type	Grip Range	Diam.
RIVSSB42S	SSB4-2S	1/16-1/8	1/8
RIVSSB43S	SSB4-3S	1/8-3/16	1/8
RIVSSB44S	SSB4-4S	3/16-1/4	1/8
RIVSSB46S	SSB4-6S	5/16-3/8	1/8
RIVSSB48S	SSB4-8S	3/8-1/2	1/8
RIVSSB62S	SSB6-2S	1/6-1/8	3/16
RIVSSB64S	SSB6-4S	1/8-1/4	3/16
RIVSSB66S	SSB6-6S	1/4-3/8	3/16
RIVSSB68S	SSB6-8S	3/8-1/2	3/16
RIVSSB612S	SSB6-12S	5/8-3/4	3/16

#43 Stainless Rivets Stocked in a Variety of Colors

Painted Rivets

Stock Colors: Black, White, Brown
Stocked in the following types:

Type	
AB4-2A	SB4-2
AB4-3A	SB4-3
AB4-4A	SB4-4

Aluminum Rivets - Aluminum Mandrel



Part Number	Type	Grip Range	Diam.
RIVAB42A	AB4-2A	1/16-1/8	1/8
RIVAB44A	AB4-4A	3/16-1/4	1/8
RIVAB46A	AB4-6A	5/16-3/8	1/8
RIVAB48A	AB4-8A	3/8-1/2	1/8
RIVAB52A	AB5-2A	1/32-1/8	5/32
RIVAB54A	AB5-4A	3/16-1/4	5/32
RIVAB62A	AB6-2A	1/16-1/8	3/16
RIVAB64A	AB6-4A	1/8-1/4	3/16
RIVAB66A	AB6-6A	1/4-3/8	3/16
RIVAB68A	AB6-8A	3/8-1/2	3/16

Large Flange Rivets - Steel & Aluminum



Part Number	Steel Type	Part Number	Aluminum Type	Grip Range	Diam.
RIVSBL64	SBL6-4	RIVABL64A	ABL6-4A	1/8-1/4	3/16
RIVSBL66	SBL6-6	RIVABL66A	ABL6-6A	1/4-3/8	3/16
RIVSBL68	SBL6-8	RIVABL68A	ABL6-8A	3/8-1/2	3/16
RIVSBL610	SBL6-10	RIVABL610A	ABL6-10A	1/2-5/8	3/16

Multi-Grip Rivets

Aluminum Rivets - Steel Mandrel



Part Number	Type	Grip Range	Diam.
RIVMGAB6264	AB62-64MG	1/16-1/4	3/16
RIVMGAB6367	AB63-67MG	3/16-7/16	3/16

Copper Rivets - Brass Mandrel



Part Number	Type	Grip Range	Diam.
RIVCB42B	CB4-2B	1/6-1/8	1/8
RIVCB44B	CB4-4B	3/16-1/4	1/8

Rivet Back-Up Washers



Part Number	Type	Material	For Rivet	Size/Shape
RIVSS08	SS-8	Steel	1/8	3/8-Round
RIVSS09	SS-9	Steel	5/32"	7/16-Round
RIVSS10	SS-10	Steel	1/4	1/2-Round
RIVAS08	AS-8	Aluminum	1/8	3/8-Round
RIVAS10	AS-10	Aluminum	3/16	1/2-Round
RIVAS12	AS-12	Aluminum	1/4	1/2-Round

Rivet Tools

RIVHP2

Hand Riveter: Pulls 3/32, 1/8, 5/32 & 3/16
Aluminum & Steel Rivets

RIV39031

Big Daddy Long Handle Hand Riveter: Pulls up to 1/4 Rivets

RIV39313

Thread Setter Kit: Sets Aluminum Rivet Nuts
8-32, 10-24, 10-32 & 1/4-20



Flat Head Aluminum Rivet Nuts

Part Number	Type	Grip Range	#/Bx
RIV47210	6-32	.010-.080	100
RIV47220	8-32	.010-.080	100
RIV47230	10-24	.010-.080	100
RIV47240	10-32	.010-.080	100
RIV47250	1/4-20	.010-.080	50

Particle Board Screws



#2 Phillips Flat Head w/Nibs Type 17 - Zinc

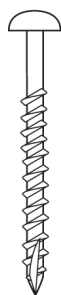
Part Number	Size	#Case
SPPFHNZ0810100	8 X 1	10M
SPPFHNZ0810125	8 X 1-1/4	8M
SPPFHNZ0810150	8 X 1-1/2	6M
SPPFHNZ0810162	8 X 1-5/8	4M
SPPFHNZ0810200	8 X 2	3.5M
SPPFHNZ0810225	8 X 2-1/4	3M
SPPFHNZ0908250	8 X 2-1/2	2.5M
SPPFHNZ0908300	8 X 3	2M



#2 Square Drive Flat Head w/Nibs Type 17 - Zinc

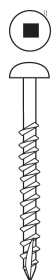
Part Number	Size	#Case
SPSQFHNZ0810125	8 X 1-1/4	8M
SPSQFHNZ0810150	8 X 1-1/2	6M
SPSQFHNZ0810162	8 X 1-5/8	5M
SPSQFHNZ0810200	8 X 2	3.5M
SPSQFHNZ0810225	8 X 2-1/4	3.5M
SPSQFHNZ0908250	8 X 2-1/2	2.5M
SPSQFHNZ0908300	8 X 3	2M

Face Frame Screws



Pan Head Face Frame Screws Type 17 - Black - Fine Thread

Part Number	Size	Drive	#Case
SPSQPFFB0620125	6 X 1-1/4	Square	8M
SPPPFBB0620125	6 X 1-1/4	Phillips	10M
SPSQPFFB0620150	6 X 1-1/2	Square	7M
SPPPFBB0620150	6 X 1-1/2	Phillips	7M



Pan Head/Square Drive Deep Thread Type 17 - Black Deep Thread

Part Number	Size	Finish	#Ctn
SPSQPFFB0609125	7 X 1-1/4	Black	8M
SPSQPFFB0609150	7 X 1-1/2	Black	7M

Cabinet Installation Screws



Drill Point (DP)

#12 Silver Plated

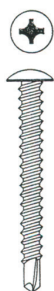
Wood/Metal 16 Gauge or Thinner

Part Number	Size	#Bkt
IPFPPH12287SP	#12 X 2-7/8	1M
IPFPPH12375SP	#12 X 3-3/4	1M



Phillips Truss Head Deep Thread (DP)

Part Number	Size	#Case	#/Lb.
DPPTHZ1008250	10 X 2-1/2 Zinc	2M	65
SPPTHZ1008300	10 X 3 Zinc	1.5M	45
SPPTHB1008300	10 X 3 Black	1.5M	45
SPPTHZ1008300W	10 X 3 White	1.5M	45
SPPTHZ1008300S	10 X 3 Sand	1.5M	45



Phillips Truss Head

Drill Point (DP)

For Heavier Gauge Metal Studs

Part Number	Size	#Case
SDPTHZ1008250	10 X 2-1/2 ZP	2M
SDPTHZ1008250W	10 X 2-1/2 White	2M
SDPTHZ1008250S	10 X 2-1/2 Sand	2M



Heavy Duty (HD)

#14 Silver Plated

Wood/Metal 16 Gauge or Thinner & Concrete

Part Number	Size	#Bkt
IPFPPH14200SP	2" HD	1M
IPFPPH14300SP	3" HD	1M



#1 Square Drive Trim Head Self Drill

Zinc Plated

Part Number	Size	#Case
SDSQTHZ0620162	6-20 X 1-5/8	5M
SDSQTHZ0620225	6-20 X 2-1/4	3M
SDSQTHZ0818300	8-18 X 3	2M



#1 Square Drive Trim Head

Black

Part Number	Size	#Case
SPSQTH0609162	6 X 1-5/8	5M
SPSQTH0609225	6 X 2-1/4	3M
SPSQTH0808300	8 X 3	2M

Phillips Bugle Head Yellow Zinc

Coarse Thread, Yellow Zinc Coated



Part Number	Size	#Case
SPPBHYZ0609100	6-9 X 1	10M
SPPBHYZ0609125	6-9 X 1-1/4	8M
SPPBHYZ0609162	6-9 X 1-5/8	5M
SPPBHYZ0609200	6-9 X 2	3.5M
SPPBHYZ0609225	6-9 X 2-1/4	3M
SPPBHYZ0808250	8-8 X 2-1/2	2.5M
SPPBHYZ0808300	8-8 X 3	2M
SPPBHYZ1008350	10-8 X 3-1/2	1M
SPPBHYZ1008400	10-8 X 4	800
SPPBHYZ1008500	10-8 X 5	500

Phillips Flat Head - Deep Thread

No Nibs



Part Number	Size	Finish	#Bx/Cs
SPPFHZ0414050	4-14 X 1/2	Zinc Plated	1M
SPPFHN0514050	5-14 X 1/2	Nickel Plated	1M
SPPFHB0514050	5-14 X 1/2	Black Oxide	1M
SPPFHN0514062	5-14 X 5/8	Nickel Plated	3.2M
SPPFHZ0514062	5-14 X 5/8	Zinc Plated	1M
SPPFHN0613075	6 X 3/4	Nickel Plated	24M
SPPFHN0712062	7-12 X 5/8	Nickel Plated	24M
SPPFHB0811062	8-11 X 5/8	Black Oxide	1M
SPPFHZ0811062	8-11 X 5/8	Zinc Plated	1M
SPPFHZ0811075	8-11 X 3/4	Zinc Plated	15M
SPPFHZ0811100	8-11 X 1	Zinc Plated	1M
SPPFHZ0811125	8-11 X 1-1/4	Black Oxide	1M

Melamine Screws

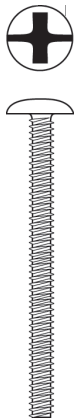


Part Number	Size	#/Case
MEL125	8 X 1-1/4	8M
MEL162	8 X 1-5/8 (Silver Unichrome)	5M
MEL162B	8 X 1-5/8 (Black)	5M
MEL200	8 X 2 (Silver Unichrome)	—

Combo Truss Head Machine Screws

Phillips/Slot Recess

Zinc Finish



Part Number	Size	#Case
MSCTHZ0632200	6-32 X 2	1.75M
MSCTHZ0632400	6-32 X 4	2M
MSCTHZ0832075	8-32 X 3/4	10M
MSCTHZ0832113	8-32 X 1-1/8	6M
MSCTHZ0832125	8-32 X 1-1/4	1M
MSCTHZ0832150	8-32 X 1-1/2	4.5M
MSCTHZ0832162	8-32 X 1-5/8	4M
MSCTHZ0832175	8-32 X 1-3/4	1M
MSCTHZ0832200	8-32 X 2	3.5M
MSCTHZ1024200	10-24 X 2	1.4M
MSCTHZ1024300	10-24 X 3	1.6M
MSCTHZ1024600	10-24 X 6	350
MSCTHZ2520050	1/4-20 X 1/2	2.5M
MSCTHZ2520300	1/4-20 X 3	1M
MSCTHZ2520400	1/4-20 X 4	700
MSCTHZ2520500	1/4-20 X 5	500

Phillips Pan Head - Deep Thread

No Nibs



Part Number	Size	Finish	#Bx/Cs
SPPPHZ0613050	6-13 X 1/2	Zinc Plated	1M
SPPPHZ0613062	6-13 X 5/8	Zinc Plated	1M
SPPPHZ0613075	6-13 X 3/4	Zinc Plated	1.8M
SPPPHZ0811050	8-11 X 1/2	Zinc Plated	1M
SPPPHZ0811062	8-11 X 5/8	Zinc Plated	15M
SPPPHZ0811075	8-11 X 3/4	Zinc Plated	10.5M
SPPPHB0811075	8-11 X 3/4	Black Oxide	10.5M
SPPPHN1008075	10-8 X 3/4	Nickel Plated	9M
SPPPHN1008100	10-8 X 1	Nickel Plated	7M
SPPPHB1008150	10-8 X 1-1/2	Black Oxide	4M

MTH Phillips - Deep Thread

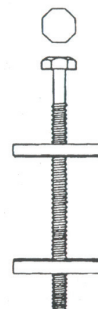
XL Washer Head 1/2" - Recex Drive



Part Number	Size	Finish	#Case
DTMTH08100	8 X 1	Zinc	7M
DTMTH08113	8 X 1-1/8	Zinc	6.5M
DTMTH08125	8 X 1-1/4	Zinc	1M

Hex Head Draw Bolts

For Joining Post-Formed Counter Top Sections



Part Number	Size	Finish	#Case
DB25350	1/4-20 X 3-1/2	Zinc	500

Cap Covers - 1/2 Inch Diameter

Phillips For Flat Head Screws with Phillips Recess

Part Number	Size	Finish	#/Pack
SCCALM	#2 Phillips	Almond	1M
SCCGRAY	#2 Phillips	Gray	1M

Drill Point Fasteners

Features:

Extra stable #3 Phillips drive
Drill point design prevents faster walking
13 threads per inch provides higher pull-out values
Drill point cuts through gravel and Bur
Cathodic epoxy e-coat

Application

Insulation and cover board attachment
to steel and wood roof decks



#12 Phillips Drill Point Fastener #3 Drive

Size (inches)	Part Number	#/Case
1-5/8	IPFPPH12162	1000
2-1/4	IPFPPH12225	1000
2-7/8	IPFPPH12287	1000
3-1/4	IPFPPH12325	1000
3-3/4	IPFPPH12375	1000
4-1/2	IPFPPH12450	1000
5	IPFPPH12500	1000
6	IPFPPH12600	1000
7	IPFPPH12700	500
8	IPFPPH12800	500

#15 Phillips Drill Point Fastener #3 Drive

Size (inches)	Part Number	#/Bucket
2	IPFPPH15200	1000
4	IPFPPH15400	1000
4-1/2	IPFPPH14450	1000
8	IPFPPH15800	500
9	IPFPPH15900	250
11	IPFPPH15911	250
12	IPFPPH15912	250
14	IPFPPH15914	250
16	IPFPPH15916	250



Features:

Extra stable #3 Phillips drive
Drill point design prevents faster walking
13 threads per inch provides higher pull-out values
Drill point cuts through gravel and Bur
Cathodic epoxy e-coat

Application

Insulation and embrane attachment to steel,
wood and structural concrete decks



#14 Phillips Drill Point Fastener #3 Drive, Recessed Truss Head

Size (inches)	Part Number	#/Case
1-1/2	IPFPPH14150	1000
2	IPFPPH14200	1000
2-1/2	IPFPPH14250	1000
3	IPFPPH14300	1000
3-1/2	IPFPPH14350	1000
4	IPFPPH14400	1000
4-1/2	IPFPPH14450	1000
5	IPFPPH14500	1000
5-1/2	IPFPPH14550	1000
6	IPFPPH14600	1000
7	IPFPPH14700	500
8	IPFPPH14800	500
9	IPFPPH14900	500

Features:

Extra stable #3 Phillips drive
Drill point design prevents faster walking
13 threads per inch provides higher pull-out values
Drill point cuts through gravel and Bur
Cathodic epoxy e-coat

Application

Insulation and embrane attachment to steel,
wood and structural concrete decks

Insulation Panel Fasteners & Accessories

Features:

- 410 stainless steel provides resistance to corrosion in mild to light industrial environments
- Extra stable #3 Phillips drive
- Low profile truss head
- 13 threads per inch provides higher pull-out values

Application

Insulation and embrane attachment to steel and wood in a corrosive environment



HD Stainless

#14 Heavy Duty .410 Stainless Steel

Size (inches)	Part Number	#/Case
1-1/2	IPFPPHSS14150	1000
2	IPFPPHSS14200	1000
3	IPFPPHSS14300	1000
4	IPFPPHSS14400	1000
5	IPFPPHSS14500	1000
6	IPFPPHSS14600	1000
7	IPFPPHSS14700	500
8	IPFPPHSS14800	500



Shorty Tool

Part Number	#/Case
TFSHORTY	1

Features:

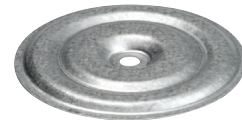
- Extra Stable #3 square drive
- Flat head profile provides for flush engagement to the nailboard
- Oversized head reduces the number of fasteners required
- No plates required
- Drill point and high-strength thread profile ensure positive attachment
- Cathodic eposy e-coat

Application

Insulation panel and nail board attachment to steel and wood roof decks

#14 Insulation Panel Fasteners

Size (inches)	SIPTP Thread Point	#/Bucket
2-5/8	IPFTH14262	500
3	IPFTH14300	500
3-1/2	IPFTH14350	500
4	IPFTH14400	500
4-1/2	IPFTH14450	500
5	IPFTH14500	500
5-1/2	IPFTH14550	500
6	IPFTH14600	500
6-1/2	IPFTH14650	500
7	IPFTH14700	500
7-1/2	IPFTH14750	500
8	IPFTH14800	500
9	IPFTH14900	250
10	IPFTH14910	250
11	IPFTH14911	250
16	IPFTH14916	250



Metal Insulation Plates

Size and Description	Part Number	#/Case
2" Galvanized Metal	TFPLATEG2	1000
3" Galvanized Metal	TFPLATEG3	1000

2" & 3" Metal Plates are for Phillips Head only.

Stainless Steel Wood Screws for Outdoor Construction

Square Drive Bugle Head Wood Screw 305 Stainless Steel, Coarse Thread, Type 17

Features:

- .344" diameter #2 Square Drive Bugle Head
- "Beaver Bite" type 17 auger point for extra fast starts
- Coarse threads approximately 2/3 up shank draw board tightly to substrate
- Pre-drilling always recommended, and a **must** near board ends to prevent splits

Part Number	Size (inches)	#/Case
SPSQBHSS0609125	6-9 X 1-1/4	5000
SPSQBHSS0609162	6-9 X 1-5/8	4000
SPSQBHSS0808075	8-8 X 3/4	10000
SPSQBHSS0808162	8-8 X 1-5/8	4000
SPSQBHSS0808200	8 X 2	3000
SPSQBHSS0808225	8 X 2-1/4	3000
SPSQBHSS0808250	8 X 2-1/2	2000
SPSQBHSS1008100	10 X 1	4500
SPSQBHSS1008125	10 X 1-1/4	4000
SPSQBHSS1008150	10 X 1-1/2	3500
SPSQBHSS1008200	10 X 2	2500
SPSQBHSS1008250	10 X 2-1/2	2000
SPSQBHSS1008300	10 X 3	1500
SPSQBHSS1008350	10 X 3-1/2	1000

Bugle Head Self Drilling 410 Stainless Steel Square Drive

Features:

- Fasten wood, plywood and OSB panels to steel studs
- Bugle heads drive flush with work surface
- #2 square drive
- Tapping screw threads, #3 drill point
- Type 410 stainless steel is coated for additional corrosion protection

Part Number	Size (inches)	#/Case
SDSQBHSS0620125	6 X 1-1/4	5000
SDSQBHSS0818162	8 X 1-5/8	3000
SDSQBHSS0818200	8 X 2	2500
SDSQBHSS1016250	10 X 2-1/2	2000
SDSQBHSS1016300	10 X 3	1500

Square Drive Trim Head Screw 305 Stainless Steel, Coarse Thread, Type 17

Features:

- Attaches trim and rails to decks or fences
- Superior penetration through a variety of woods
- Type '17' reduces wood splitting
- High degree of corrosion resistance

Part Number	Size (inches)	#/Case
SPSQTHSS0709100	7-9 X 1	5000
SPSQTHSS0709125	7-9 X 1-1/4	5000
SPSQTHSS0709162	7-9 X 1-5/8	5000
SPSQTHSS0709200	7-9 X 2	4000
SPSQTHSS0709225	7-9 X 2-1/4	3000
SPSQTHSS0709250	7-9 X 2-1/2	2500
SPSQTHSS0709300	7-9 X 3	2000
SPSQTHSS0908400	9-8 X 4	1000

Self Drilling Phillips Drive 410 Stainless Steel Modified Truss Head

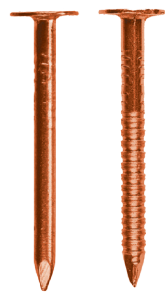
Features:

- For attaching metal or aluminum to metal or aluminum
- Hardened type 410 stainless steel for superior corrosion resistance
- Meets F.I.P.-1000.7 for torsional strength & drill speed

Part Number	Size (inches)	#/Case
SDMTHSS0818050	8-18 X 1/2	5000
SDMTHSS0818056	8-18 X 9/16	8000
SDMTHSS0818075	8-18 X 3/4	5000
SDMTHSS0818100	8-18 X 1	4000
SDMTHSS0818125	8-18 X 1-1/4	3000
SDMTHSS0818162	8-18 X 1-5/8	3000
SDMTHSS1016075	10-16 X 3/4	3000

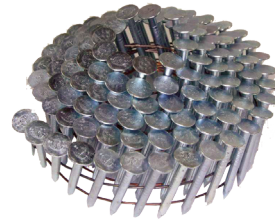
Copper Roofing Nails

Large Flat Head, Smooth or Annular Ring Shank, Diamond Point



Length (inches)	Gauge	Annular Ring Shank Part Number	Smooth Shank Part Number	#Lbs/ Bucket
1	10	CNAS100	CNSS100	25#
1-1/4		CNAS125	CNSS125	
1-1/2		CNAS150	CNSS150	
1-3/4		CNAS175	CNSS175	
2		CNAS200	CNSS200	
2-1/2		CNAS250	CNSS250	
3		CNAS300	CNSS300	

Coiled Roofing Nails



Part Number .304SS	Length (inches)	#/CS	Part Number Electro-Galv
CRNSS100RS	1"	7.2M	CRNEG100RS
CRNSS125RS	1-1/4"		CRNEG125RS
CRNSS150RS	1-1/2"		CRNEG150RS
CRNSS175RS	1-3/4"		CRNEG175RS

Electro-Galvanized Roofing Nails



Part Number	Length (inches)	Gauge	#/Lbs/ box
EGRN100	1"	11	25#
EGRN125	1-1/4"		
EGRN150	1-1/2"		
EGRN175	1-3/4"		
EGRN200	2"		
EGRN250	2-1/2"		
EGRN300	3"		

Maze Ring Shank Roofing Nails



Double Hot-Dip Galvanized Nails

Part Number	Length (inches)	Gauge	Head Dia.	#/Lb.
MAZER102A	1-1/4"	120"	.375"	202
MAZER103A	1-1/2"			164
MAZER104A	1-3/4"			145
MAZER105A	2"			136
MAZER107A	2-1/2"			104

Vinyl-Coated Sinker



Part Number	Length (inches)	Lbs/Cs
NAILSINK06	2"	6D
NAILSINK07	2-1/8"	7D
NAILSINK08B	2-3/8"	8D
NAILSINK10	2-7/8"	10D
NAILSINK16B	3-1/4"	16D
NAILSINK20	3-3/4"	20D

Common Nails

Bright, Smooth Shank



Part Number	Length (inches)	# Lb./Cs
NAILCOM06D#30	2"	6D 30#
NAILCOM08D#30	2-1/2"	8D 30#
NAILCOM08D#50	2-1/2"	8D 50#
NAILCOM10D#30	3"	10D 30#
NAILCOM10D#50	3"	10D 50#
NAILCOM16D#30	3-1/2"	16D 30#
NAILCOM16D#50	3-1/2"	16D 50#
NAILCOM20D#50	4"	20D 50#
NAILCOM60D#30	6"	60D 30#

Masonry Round Top Nails

Part Number	Length (inches)
RTMN100	1"
RTMN125	1-1/4"



Ring Shank Round Top Nails

Part Number	Length (inches)
RTRN100	1"
RTRN125	1-1/4"
RTRN150	1-1/2"
RTRN200	2"
RTRN300	3"
RTRN400	4"



Duplex Nails

Part Number 30 Lbs./Case	Part Number 50 Lbs./Case	Length (inches)
NAILDUP06D#30	NAILDUP06D#50	1-3/4" 6D
NAILDUP08D#30	NAILDUP08D#50	2-1/4" 8D
NAILDUP10D#30	NAILDUP10D#50	2-3/4" 10D
—	NAILDUP12D#50	2-7/8" 12D
NAILDUP16D#30	NAILDUP16D#50	3" 16D

NOTE: All #/Lb. figures are approximate counts.

NOTES

Construction Adhesives, Caulks & Sealants





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BIOSTOP™ 500+ Intumescent Firestop Sealant



- UL Classified systems up to 4 hours
- Highly intumescent
- VOC compliant
- Excellent freeze-thaw
- For interior use - Paintable
- Meets ASTM E 814, UL 1497 & UL2079 Standards
- STC rating 62

BIOSTOP™ 500+

Part Number	Size	#/Case
BS66500	20.2 Oz. Sausage Pack	12

BIOSTOP™ 500+ is a waterbased, flexible, highly intumescent sealant designed for use on metal, insulated pipes, fiberglass and plastic pipes. Will prevent the spread of fire through joint openings and through-penetrations. No dilution or mixing required. Can be used in areas with some movement. Use in fire-rated gypsum, wallboard partitions, concrete walls or floors, wood floors and concrete or corrugated steel deck floor/ceiling assemblies.

BIOSTOP™ BF 150+ General Purpose Firestop Sealant

BIOSTOP™ BF 150+ is a one component, general purpose fire-rated sealant and smoke seal for construction joints and through-penetrations on both horizontal and vertical surfaces. BIO-STOP™ BF 150+ is a water-based, non-sag caulking grade sealant that is easy to apply as well as to retrofit. It cures to an elastomeric seal that is suitable where dynamic movement is expected.

BIOSTOP™ BF 150+

Part Number	Size	#/ Case
BS66533	10.3 Oz. Cartridge	24



- Water-based - VOC compliant
- Good freeze-thaw
- For interior use - paintable
- Use for most common applications
- STC rating 51



BIOSTOP™ Firestop Pillows



Firestop Pillows are designed primarily for use in large, temporary or frequently accessed openings with cables, cable trays, blank openings or multiple penetrations.



- Forms a very strong char
- No wire mesh required
- Easy to install - no tools

BIOSTOP™ Firestop Pillows

Part Number	Size	#/Case
BS66417	2 X 9 X 6	10
BS66418	3 X 9 X 6	10

BIOSTOP™ Putty Sticks & Pads

Putty Sticks are used to seal around penetrating items through fire-rated walls, floors and within blank openings. **Putty Pads** are used to maintain the hourly rating of fire-rated walls containing electrical outlet boxes and to reduce sound transmission. Hand moldable with no curing time.



- Applied by hand
- No asbestos fillers
- Pads - STC rating 60
- For interior use
- Adheres to all common building surfaces



BIOSTOP™ Putty Sticks & Pads

Part Number	Size	#/Case
BS66336	7 X 7 Pads	20
BS66490	6 X 7 Pads	20
BS66495	Stick - 18 cu in	12

PL®200 Construction Adhesive

PL®200 is a premium grade adhesive for paneling, drywall and other light construction, inside or outside. Provides a fast, easy adhesive bond that, when cured, resists moisture, dryness and temperature fluctuations. VOC formulation meets stringent State and Federal Regulations

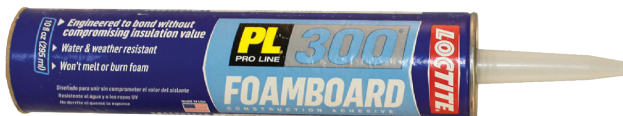
Cat. No.	Size	#/Cs
PL20010	10.2 oz. Cartridge	12
PL20028	28 oz. Cartridge	12



PL®300 Foam Board Adhesive

PL®300 Foamboard Adhesive provides dependable adhesion of foam to all types of surfaces, including wood, fiberglass panels, concrete, brick, metal and drywall. Latex-based, it is compatible with foam board insulation. Permanently joins the foam to the substrate without compromising the insulation value of the foam. Low VOC compliant formula.

Cat. No.	Size	#/Cs
PL30010	10.5 oz. Cartridge	12
PL30028	28 oz. Cartridge	12



PL®400 Subfloor & Deck Adhesive

PL®400 Sub-Floor & Deck Adhesive provides a powerful, permanent bond and is formulated for use on all heavy duty interior or exterior construction. Recommended for sub-flooring, exterior sheathing, siding, decks, metal and FRP panels. Virtually unaffected by weather extremes. VOC formula meets stringent State and Federal VOC regulations.

Cat. No.	Size	#/Cs
PL40010	10.5 oz. Cartridge	12
PL40028	28 oz. Cartridge	12



PL®PREMIUM® Polyurethane Construction Adhesive

PL® Premium® Polyurethane Construction Adhesive is a one component, polyurethane based, moisture-curing adhesive. It is VOC compliant and contains no chlorinated solvents or water. Loctite® PL® Premium® provides superior adhesion to most common construction materials. It can be used for interior or exterior projects and is 3X as strong as ordinary construction adhesives. It is also waterproof, paintable and cures even in cold temperatures. Ideal for sub floor installations.

Cat. No.	Size	#/Cs
PLPREM10	10.2 oz. Cartridge	12
PLPREM28	28 oz. Cartridge	12



OSI® F38 Drywall Panel Adhesive

OSI® F38 Drywall and Panel Adhesive is a professional grade, latex-based construction adhesive designed for drywall and other panel applications. Non-flammable, low gassing, it can be used for all interior construction applications. Ultra-low VOC offers fast strength development and high shear strength. Green builder friendly, it is engineered for use with most building materials.



Cat. No.	Size	#/Cs
F38	28 oz. Cartridge	12

OSI® Pro-Series® HM-270 Construction Silicone Sealant

HM-270™ Construction Silicone Sealant is a high modulus, 100% RTV silicone. Withstands temperatures -60° F to 400° F ± 25% movement capability. For use in many applications involving nonporous building materials such as glass, metal and most plastics. Fast curing. Primarily used for structural or conventional type glazing and curtainwall sealing involving glass, plastic or metal. Waterproof and weatherproof, and cleans up with mineral spirits. Meets FDA-USDA requirements.



Part Number	Color	Size
HM270CLR	Clear 000	10.3 oz.
HM270BLK	Black 003	10.3 oz.
HM270BRZ	Bronze 201	10.3 oz.
HM270GRY	Gray 509	10.3 oz.

OSI® Pro-Series® H2U™ Acrylic Urethane Sealant

Pro-Series® H2U™ is a high performance sealant designed for the siding and window industries. This superior urethane formula has better adhesion, flexibility and durability than most sealants, and cleans up easily with soap and water. Cured sealant is paintable and mildewcide is added to protect cured sealant.



Part Number	Color	Size
H2UC	Clear	10.2 oz.
H2UW	White	10.2 oz.
H2UA	Almond	10.2 oz.

OSI® Pro-Series® SC-175™ Acoustical Sound Sealant - Latex

Pro-Series® SC-175™ Acoustical Sound Sealant is a water based sealant designed to reduce sound transmissions in walls and partition systems. Sealant is white in color, non-hardening, non-staining and freeze-thaw stable. VOC compliant. UL tested and classified. Non-flammable formulation. Easy application and clean up.



Part Number	Color	Size
SC17528	White	28 oz.

Polyseamseal® Tub & Tile Adhesive Caulk

Polyseamseal Tub & Tile Adhesive Caulk is a premium quality, water based adhesive caulk that provides a water tight seal around sinks, tubs and other kitchen and bath fixtures. Extra mildewcide is added to fight unsightly mold and mildew growth on the cured caulk. The adhesive strength of Tub & Tile makes it ideal for installing back splashes and repairing loose tiles. Because of its self-leveling features, it requires little or no tooling to achieve a nice, smooth bead.



Part Number	Color	Size
DM435042	White	10 oz.

Tremco® Tremsil 200 General Purpose Silicone Sealant

CRL Tremco Tremsil® 200 is a one-part, acetoxysilicone sealant. Tremsil® 200 cures to a flexible rubber when exposed to moisture present in the air. It produces a weathertight seal to glass, metal, porcelain, ceramic and most painted surfaces. White and Clear colors contain a fungicide making the sealant suitable for use in bathrooms, spas and similar applications where joints need protection against fungi and bacteria. Technical Data: Conforms to ASTM C920 Type S, Grade NS, use NT, G, A, and O and CAN/CGSB-19.13-M87, and U.S. Federal Specification TT-S-00230 Class A, and U.S. Federal Specification TT-S-001543A Class A.



Cat. No.	Color	#/Cs
TREM200	Aluminum	30
TREM200CL	Clear	30
TREM200W	White	30

One-Component Silicone Sealants

SIL-BOND RTV 4500 HIGH STRENGTH

Sil-Bond (RTV 4500) is a room temperature vulcanizing RTV acetox cure silicone sealant and adhesive. Provides chemically formulated for high strength adhesion. VOC compliant formula offers UV stability and excellent adhesion to form waterproof and airtight bonds, when fully cured. Bonds to steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, wood, plywood, marble, plus many other common substrates. Great performance in all weather situations. Meets today's Green Building Standards.

Meets Specifications:

ASTM C920 Type S, Grade NS, Class 25
TT-S00230C, TT-S-01543A, MIL-A-46106A
FDA CFR 177.2600, USDA Approved,
NSF51, UL Recognized Component



Features & Benefits:

- High Strength
- Excellent Weatherability
- UV Stable
- Non-Yellowing
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion
- Non-Shrinking

Applications:

- Sealing & Glazing
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Interior/Exterior

Cat. No.	Color	Size	#/Cs
RTV4500ALMOND	Almond	10.3 oz	24
RTV4500ALUM	Aluminum	10.3 oz	24
RTV4500BLACK	Black	10.3 oz	24
RTV4500BRONZE	Bronze	10.3 oz	24
RTV4500CLEAR	Clear	10.3 oz	24
RTV4500GRAY	Gray	10.3 oz	24
RTV4500WHITE	White	10.3 oz	24

Features & Benefits:

- High Temperature Performance
- Excellent Weatherability
- UV Stable
- Non-Yellowing
- VOC Compliant
- Non-Flammable
- Waterproof
- Excellent Adhesion
- Non-Shrinking

Applications:

- Sealing & Glazing
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Furnace & Fireplace
- Flutes & Venting
- Transportation Seals
- Interior/Exterior

Meets Specifications:

ASTM C920 Type S, Grade NS, Class 25
TT-S00230C (COM-NBS), TT-S-01543A (COM-NBS),
MIL-A-46106A, FDA CFR 177.2600, USDA Approved,
NSF51, UL Recognized Component

SIL-BOND RTV 6500 HIGH TEMPERATURE

Sil-Bond (RTV 6500) is a premium high temperature, room temperature vulcanizing RTV acetox cure silicone sealant and adhesive. The VOC compliant formula offers tenacious adhesion to form waterproof and airtight bonds to material in high temperature scenarios. Bonds to metal, steel, tile, ceramic, glass, aluminum, painted surfaces, marble and many other common substrates. Great performance in all weather situations.

Meets today's Green Building Standards.

Cat. No.	Color	Size	#/Cs
RTV6500RED	Red	10.3 oz	24



SIL-FLEX RTV 7500 MULTI-SURFACE

Sil-Flex (RTV 7500) is a low modulus, neutral cure silicone sealant and adhesive that bonds to a wide range of building materials. The VOC compliant formula offers tenacious adhesion that bonds to pvc, concrete, glass, aluminum, painted surfaces, wood, plywood, stucco, building paper, window wrap, fiber cement, brick, stone, steel, ceramic, porcelain, masonry and many other common material surfaces. Great performance in all weather situations. Meets today's Green Building Standards.

Cat. No.	Color	Size	#/Cs
RTV7500ALMOND	Almond	10.3 oz	24
RTV7500WHITE	White	10.3 oz	24



Features & Benefits:

- Multi-Surface
- Excellent Adhesion
- Non-Corrosive
- Low Odor
- 50% Movement Capability
- Permanent Flexibility
- Excellent Weatherability
- Long Life
- VOC Compliant
- Non-Flammable
- Waterproof

Applications:

- Sealing Openings & Exterior Surfaces
- HVAC/R
- Plumbing
- Roofing
- Kitchen & Bath
- Countertops
- Sanitary Seals
- Precast Concrete
- Industrial Gaskets
- Interior/Exterior

Meets Specifications:

ASTM C920 Type S, Grade NS, Class 50
TT-S00230C, TT-S-01543A, MIL-A-46106A,
AAMA 808.3, 805.2, 803.3 (Type I, 802.3
(Type II), UL Recognized Component



PERI-BOND PB3 LATEX MULTI PURPOSE

Peri-Bond (PB-3) is a premium quality, paintable, non-sag, low odor, mildew resistant siliconized acrylic latex sealant. Provides long lasting interior and exterior seals where slight to no movement is expected. Easy use and cleanup. Adheres to ceramic, glass, wood and plaster substrates, as well as, many others. Final cured product provides a watertight/ weatherproof seal without the use of primers.

Cat. No.	Color	Size	#/Cs
PERIBONDALM	Almond	10.3 oz	12
PERIBONDCL	Clear	10.3 oz	24
PERIBONDWH	White	10.3 oz	24

Features & Benefits:

- Non-Sag
- Low Odor
- Paintable
- Water Clean-Up
- Exterior/Interior Use
- Mildew Resistant
- Non-Staining
- Non-Yellowing
- Low Dirt Pickup

Applications:

- Interior Window Sealing
- HVAC/R
- Plumbing
- Kitchen & Bath
- Countertops
- Hollow Core Ceilings
- Interior Wall Surfaces
- Seal Openings
- Interior/Exterior

Meets Specifications:

ASTM C-834-78

Tremco® Vulkem® 116 Textured Single-Component Polyurethane Sealant

Vulkem® 116 is a textured, single-component, moisture-curing, gun-grade polyurethane sealant. It is a general-purpose sealant designed for use on poured and precast concrete, masonry work, window and door perimeters, and similar types of construction joints. Approved for exterior use only. Technical Data: Conforms to ASTM C920 Type S, Grade NS, use NT, M, A, I class II, and O. U.S. Federal Specification TT-S-00230C, Class A, Type II, CAN/CGSB-19.13-M87, USDA regulation for indirect food contact, Canadian Food Inspection Agency and City of Los Angeles (COLA) approved standards.

Cat. No.	Color	Size	#/Cs
VULALMOND	Almond	10.1 oz	30
VULBLACK	Black	10.1 oz	30
VULBRONZE	Bronze	10.1 oz	30
VULBUFF	Buff	10.1 oz	30
VULDBRONZE	Dark Bronze	10.1 oz	30
VULGRAY	Gray	10.1 oz	30
VULLIMESTONE	Limestone	10.1 oz	30
VULNCLAY	Natural Clay	10.1 oz	30
VULREDTAN	Redwood Tan	10.1 oz	30
VULWHITE	White	10.1 oz	30



Sikaflex®-1c SL Self-Leveling Sealant

Single component, self-leveling, premium-grade polyurethane sealant

Sikaflex-1c SL is a low-modulus, high performance, 1-component, polyurethane-based sealant with an accelerated curing capacity. It can be used in concrete joint 24 hours after the concrete is poured and also in damp concrete applications.

Meets Federal Specification TT-S-00230C, Type I, Class A. Meets ASTM C-920, Type S, Grade P, Class 25, use T, M, G, I



Sikaflex Semi-Textured Sealant

Part Number	Size	#/Cs
SIKASELFLEVEL	29 oz.	12

Use on Driveways, Garage Floors, Sidewalks, Balconies, Pavements, Patios, Steps, Basements and Warehouses

Features:

- High Performance, One Component Material
- Used to Seal Horizontal Joints
- No Mixing/No Tooling
- Pourable
- Permanently Elastic
- Excellent Adhesion
- Paintable, Sandable, Stainable and Waterproof
- Meets ASTM C-920
- Covers 70 Lineal Feet by 1/4" Joint

Foam Sealants

Pur Fill 1G 600



TODGF600

24 oz.
600ml
12 cans/case
65 cases/pallet
1.6 lbs/can
23 lbs/case

10 gallons
1/2" bead = 960 linear feet
2200 cubic inches
5.9 R factor
1.3 cubic feet
15 board feet

Fills Voids
Stops passage of air, gas, water, sound, etc.
Perfect for around windows and doors
One hour moisture cure
Professional Control
Always leave a can in the gun

Pur Black



TODBF01 - 32 oz.

32 oz.
750ml
12 cans/case
50 cases/pallet
2.2 lbs/can
28 lbs/case

12 gallons
1/2" bead = 1200 linear feet
2820 cubic inches
Black in color

Perfect for:
Nuisance control
Pest control
Water gardens
RV manufacturing
Outside applications
Sealing out bats and birds



TODBF16 - 16 oz.
straw dispensed

Pur Stick



TODPS01

24 oz.
600ml
12 cans/case
65 cases/pallet
1.6 lbs/can
23 lbs/case

Equivalent to 10-15 quart tubes
1/2" bead = 700 linear feet
Open time 10 minutes
ASTM-C557
APA: AFG 01

Bonds to most materials
Subfloor and drywall adhesive
Cuts labor time in half
Complete Control
Eliminates squeaks

Pur Fill Cold Weather



TODCW01

24 oz.
600ml
12 cans/case
65 cases/pallet
1.6 lbs/can
23 lbs/case

9 gallons
1/2" bead = 900 linear feet
2000 cubic inches
Closed-cell formulation

Quicker cure time
Performs in cold temperature
Four minutes tackfree time
Tighter cell structure

Pur Fill 1G Gun Cleaner



TODGC01

20 oz.
500ml
12 cans/case
65 cases/pallet
1.2 lbs/can
14 lbs/case

Flushes out uncured foam
Fits all dispensing guns
Use only when flow of foam stops or slows

Acetone
Flammable
Please wear gloves
Use caution

Pur Fill NF



TODNF12
12 oz.

Straw dispensed
Fills voids
Perfect for small jobs
Convenient & economical

12 oz.
12 cans/case
1 lb/can
4 gallons
960 cubic inches

250ml
75 cases/pallet
13 lbs/case
0.6 cubic feet
UL listed

TODNF01
24 oz.



Dispensing Guns

Pur Shooter



TODSH01

Inexpensive
All metal
Heavy Duty
Excellent Starter Gun

Pur Shooter Plus



TODSH02

Pur Shooter with
Added Benefits:
Less Weight
More o-ring seals

ECO Pistol



TODGU02

All plastic
Light weight
Easy to handle
Teflon-coated adaptor

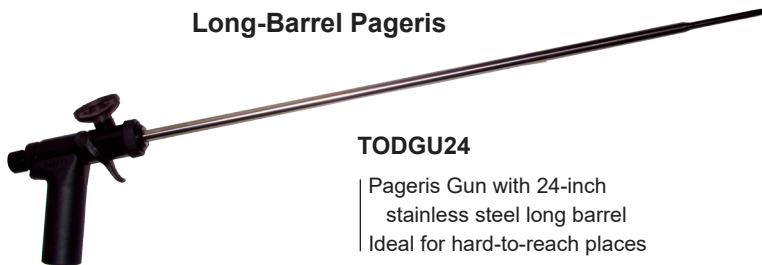
Pageris



TODGU01

Stainless steel
Warranty
Teflon-coated adaptor
Top-of-the-line

Long-Barrel Pageris



TODGU24

Pageris Gun with 24-inch
stainless steel long barrel
Ideal for hard-to-reach places

Plastic Carrying Case

TODCS01

Strong molded plastic
Durable
Holds all Todol dispensing guns
20" X 17" X 5-1/2" Dimensions



Starter Kit

TODSK1

1 Purshooter dispensing gun
1 Can of PurFill IG 600 (24 oz)

TODPA01

plastic adaptor

TODN1401

plastic needles



TODFT01

8" Flexible Tubing

TODRT01

24" Rigid Tubing

Please Read Product Directions for Best Results

1. Once a can is on the gun, ALWAYS LEAVE A CAN ON THE GUN. This will assure no moisture from entering the system to clog up the gun.
2. SHAKE THE CAN WELL. This will mix the propellant and resin for a better cell structure.
3. CAN TEMPERATURE SHOULD BE OVER 60° F. This assures optimum performance and highest volume. In cold temperatures, warm the can before foaming.
4. MIST THE SURFACE WITH WATER BEFORE FOAMING. Todol foams are moisture curing. Misting will assure complete cross-reaction curing.
5. TIGHTEN SET SCREW WHEN FOAMING IS ENDED. This will assure no misfiring if the trigger is accidentally engaged.
6. ONLY FLUSH SOLVENT CLEANER THROUGH GUN WHEN NEEDED. Solvent cleaner will break down to resin and coat the inside of the gun. Best maintenance is ALWAYS LEAVE A CAN ON THE GUN.



Quality Caulking Applicators Since 1974



CG10OZ18:1



CG29OZ18:1



CG20OZADJ



CG10OZ10:1GTS



CG29OZ10:1XT

CG10Z18:1 1/10 Gallon - 6/cs

CG29OZ18:1 1/4 Gallon - 6/cs

Super Smooth Rod
18:1 Thrust Ratio

- Revolving Barrel
- Zinc Alloy Handle & Trigger
- Ladder Hook
- Thumb Release
- Built-In Spout Cutter
- Seal Puncture Tool
- All Steel Welded Construction

CG20OZADJ 10 oz. & 20 oz. Sausage
Caulk Gun

Deluxe Hex Rod
14:1 or 7:1 Adjustable Thrust Ratio

- Patented Gator Trigger™ Comfort Grip
- Rotating Barrel with Lock
- Ring Cap and 3 Cones Included
- OV-25 Oval Nozzle Included (1/2")
- Leather Cups Standard with Floating Sausage Cup
- Effective Trigger Grip (ETG) for Longer Life

CG10OZ10:1GTS 1/10 Gallon - 12/cs

Hex Rod Parallel Frame
10:1 Thrust Ratio

- Patented Gator Trigger™ Comfort Grip
- Ladder Hook
- E-Z Thrust
- E-Z Load Front Cap
- Built-In spout Cutter

CG29OZ10:1XT 1/4 Gallon - 4/cs

Deluxe "X-Tender" Hex Rod
10:1 Thrust Ratio

- 45" Caulker for Sub-Floors, Ceilings, Walls & Roofs
- E-Z Thrust Mechanism for Greater Power Extrusion
- All Replaceable Parts for Lifetime Use
- Reversible 2-in-1 Joist Guide
- Piggyback Barrel Adapter Accepts 1/10 Gallon Cartridges
(available at additional cost)
- Seal Puncture Tool
- Built-In Spout Cutter
- T-Bar

Caulking Applicator & Accessories



CG100Z10:1
CG290Z10:1

CG100Z10:1 1/10 Gallon - 12/cs

CG290Z10:1 1/4 Gallon - 6/cs

Hex Rod Parallel Frame
10:1 Thrust Ratio

Seal Puncture Tool
Built-In Sprout Cutter
Ladder Hook
Thumb Release
E-Z Load Front Cap
Cartridge Retainer Spring



Caulk Buddy™

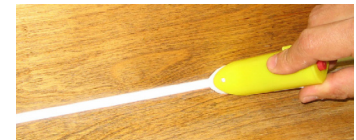
Rubber Tip for an Easy Perfect Bead

1. Apply caulk.
2. Hold "caulk Buddy" with rounded edge facing up.
3. Press flexible blade onto caulk and drag along bead making a clean straight line. The harder you press, the wider the bead.
4. Remove excess caulk from underside of "Caulk Buddy".

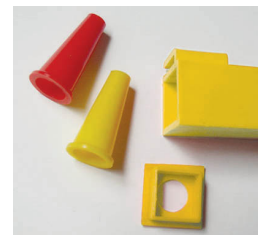
CBUDDY



CLIPS ON YOUR GUN



SMOOTH YOUR BEAD



STORE CAPS INSIDE

Titebond® Original Wood Glue



The industry standard for woodworking, this original aliphatic resin glue has been used by craftsmen and furniture manufacturers for over 50 years. It provides a strong initial tack and fast speed of set to reduce clamp time. It develops a bond stronger than the wood itself, offers excellent sandability and is unaffected by finishes. Ideal for wood, hardboard, particleboard, leather, cloth and most other porous materials. It is easy to use, nontoxic and cleans up with water. Conforms to the requirements of ASTM D4236.

Cat. No.	Size	#/Cs
5064	16 oz. Plastic Bottle	12

Franklin International

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Cat. No.	Size	#/Cs
5004	16 oz. Plastic Bottle	12



Titebond® II Premium Wood Glue

The first leading brand, one-part wood glue that passes the ANSI Type II water-resistance specification. It offers excellent heat-resistance, strong initial tack, fast speed of set and forms a bond stronger than the wood itself. It resists solvents, heat and water, and sands easily without softening. It is paintable, solvent free and nontoxic. Ideal for exterior woodworking projects, including outdoor furniture, birdhouses, mailboxes, planters and picnic tables. FDA approved for indirect food contact (cutting boards).

NOTES

Cutting Tools, Abrasives & Accessories





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INSTY-BIT®

Insty-Bit Professional Quick Change Chucks-1/4" Hex Shank

Our state of the art chucks are designed and manufactured to perform with superior ease and precision in the most punishing environments

Part Number	Description	Applications
80032	Professional	Fits all keyed & keyless chucks



Pilot Countersinks, 4 Flute

Part Number	Size (inches)
82701	5pc Set: 5/64-9/64 (4 Flute)
82705	5/64 (4 Flute)
82706	3/32 (4 Flute)
82707	7/64 (4 Flute)
82708	1/8 (4 Flute)
82709	9/64 (4 Flute)
82512	3/16 (2 Flute)



Deep Well Nut Setters

Part Number	Size (inches)
F7-87201	5pc Set: 1/4-1/2
F7-87204	1/4
F7-87205	5/16
F7-87206	3/8
F7-87207	7/16
F7-87208	1/2



Power Bit Extensions

Part Number	Size (inches)
F7-87406	6
F7-87410	10



Drill Adapters with Drill Bit

135° Bright, Mechanics Length

Part Number	Size (inches)
83104	1/16
83105	5/64
83106	3/32
83107	7/64
83108	1/8
83109	9/64
83110	5/32
83111	11/64
83112	3/16
83113	13/64
83114	7/32
83115	15/64
83116	1/4



Drill Adapters Sets

1/4" Hex Quick Release Shank Adapter

Part Number	Size (inches)
83100	7pc Set: 1/16-1/4 by 32nds
83101	5pc Set: 1/16-3/16 by 32nds
83102	4pc Set: 5/64-11/64
83103	6pc Set: 1/16-3/16

Insty-Bit® Quick Change Extensions

Featuring NEW ALL-HEX™ Technology

- » Accepts any 1/4" hex shank product, with or without power groove.
- » Takes all 1/4" standards: ANSI, DIN and JIS.
- » Holds screwdriver bits 1" and longer.
- » FAST changing of accessories in just seconds.
- » Replaces all magnetic and non magnetic bit holders.
- » Fits all Keyed and Keyless Chucks.



Type 115 Jobbers Length Drills

General Purpose - Surface Treated Black
115xx



Part#	Dia.	#/Pk	Part#	Dia.	#/Pk	Part#	Dia.	#/Pk
11505	3/64	12	11544	7/16	6	115#22	#22	12
11506	1/16	12	11545	29/64	6	115#23	#23	12
11508	5/64	12	11547	15/32	6	115#24	#24	12
11509	3/32	12	11548	31/64	6	115#25	#25	12
11511	7/64	12	11550	1/2	6	115#26	#26	12
11513	1/8	12	115#01	#1	12	115#27	#27	12
11514	9/64	12	115#02	#2	12	115#28	#28	12
11516	5/32	12	115#03	#3	12	115#29	#29	12
11517	11/64	12	115#04	#4	12	115#30	#30	12
11519	3/16	12	115#05	#5	12	115#31	#31	12
11520	13/64	12	115#06	#6	12	115#32	#32	12
11522	7/32	12	115#07	#7	12	115#33	#33	12
11523	15/64	12	115#08	#8	12	115#34	#34	12
11525	1/4	12	115#09	#9	12	115#35	#35	12
11527	17/64	12	115#10	#10	12	115#36	#36	12
11528	9/32	12	115#11	#11	12	115#37	#37	12
11530	19/64	6	115#12	#12	12	115#38	#38	12
11531	5/16	6	115#14	#14	12	115#39	#39	12
11533	21/64	6	115#15	#15	12	115#52	#52	12
11534	11/32	6	115#16	#16	12	115#55	#55	12
11536	23/64	6	115#17	#17	12	115#56	#56	12
11538	3/8	6	115#18	#18	12	115#59	#59	12
11539	25/34	6	115#19	#19	12	115#64	#64	12
11541	13/32	6	115#20	#20	12	115#67	#67	12
11542	27/64	6	115#21	#21	12	115#76	#76	12

Type 190AG Jobbers Length Drills

Magnum Super Premium Black & Gold
135° Split Point
Use for stainless steel & hard metal drilling
190AGxx



Part#	Dia.	#/Pk	Part#	Dia.	#/Pk	Part#	Dia.	#/Pk
190AG06	1/16	12	190AG42	27/64	6	190AG#19	#19	12
190AG08	5/64	12	190AG44	7/16	6	190AG#20	#20	12
190AG09	3/32	12	190AG45	29/64	6	190AG#21	#21	12
190AG11	7/64	12	190AG47	15/32	6	190AG#22	#22	12
190AG13	1/8	12	190AG48	31/64	6	190AG#23	#23	12
190AG14	9/64	12	190AG50	1/2	6	190AG#24	#24	12
190AG16	5/32	12	190AG52	33/64	1	190AG#25	#25	12
190AG17	11/64	12	190AG53	17/32	1	190AG#26	#26	12
190AG19	3/16	12	190AG61	39/64	1	190AG#27	#27	12
190AG20	13/64	12	190AG#01	#1	12	190AG#28	#28	12
190AG22	7/32	12	190AG#02	#2	12	190AG#29	#29	12
190AG23	15/64	12	190AG#03	#3	12	190AG#30	#30	12
190AG25	1/4	12	190AG#05	#5	12	190AG#31	#31	12
190AG27	17/64	12	190AG#06	#6	12	190AG#32	#32	12
190AG28	9/32	12	190AG#07	#7	12	190AG#33	#33	12
190AG30	19/64	6	190AG#08	#8	12	190AG#34	#34	12
190AG31	5/16	6	190AG#09	#9	12	190AG#35	#35	12
190AG33	21/64	6	190AG#11	#11	12	190AG#36	#36	12
190AG34	11/32	6	190AG#12	#12	12	190AG#40	#40	12
190AG36	23/64	6	190AG#13	#13	12	190AG#41	#41	12
190AG38	3/8	6	190AG#15	#15	12	190AG#42	#42	12
190AG39	25/34	6	190AG#16	#16	12	190AG#43	#43	12
190AG41	13/32	6	190AG#18	#18	12			

Type 135 Stub Length Drills F7-135xx

Heavy Duty - 135° Split Point Black
135xx



Part#	Dia.	#/Pk	Part#	Dia.	#/Pk	Part#	Dia.	#/Pk
13506	1/16	12	13530	19/64	6	135#01	#1	12
13508	5/64	12	13531	5/16	6	135#03	#3	12
13509	3/32	12	13533	21/64	6	135#07	#7	12
13511	7/64	12	13534	11/32	6	135#08	#8	12
13513	1/8	12	13536	23/64	6	135#11	#11	12
13514	9/64	12	13538	3/8	6	135#16	#16	12
13516	5/32	12	13539	25/34	6	135#20	#20	12
13517	11/64	12	13541	13/32	6	135#21	#21	12
13519	3/16	12	13542	27/64	6	135#29	#29	12
13520	13/64	12	13544	7/16	6	135#30	#30	12
13522	7/32	12	13545	29/64	6	135#32	#32	12
13523	15/64	12	13547	15/32	6	135#36	#36	12
13525	1/4	12	13548	31/64	6			
13527	17/64	12	13550	1/2	6			
13528	9/32	12						

Type 140 Twin End Drills

Heavy Duty -135° Split Point
12 Per Pack

Part Number	Diameter
140#11	#11
140#30	#30
14009	3/32
14011	7/64
14013	1/8
14014	9/64
14016	5/32
14019	3/16
14025	1/4



Type 130 1/2" Reduced Shank

Silver & Deming Drills
118° Point - General Purpose

Type 130AG 1/2" Reduced Shank

Black & Gold Magnum Super Premium Drills
135° Split Point

Part Number	Diameter
130056	9/16
130062	5/8
130069	11/16
130075	3/4
130081	13/16
130088	7/8
130094	15/16
130AG100	1
130AG106	1-1/16
130AG113	1-1/8
130AG119	1-3/16
130AG125	1-1/4
130AG138	1-3/8



SPEEDBOR® Spade Bits - 6" Long



Part Number	Dia.
IRW-88804	1/4
IRW-88805	5/16
IRW-88806	3/8
IRW-88807	7/16
IRW-88808	1/2
IRW-88809	9/16
IRW-88810	5/8
IRW-88811	11/16
IRW-88812	3/4
IRW-88813	13/16
IRW-88814	7/8
IRW-88815	15/16
IRW-88816	1
IRW-88818	1-1/8
IRW-88820	1-1/4
IRW-88822	1-3/8
IRW-88824	1-1/2

82° Countersinks - HSS

Part Number	Size	Shank Dia.	Flutes
CS253F	1/4	1/4	1
CS383F	3/8	1/4	3
IRW-1241	1/2	1/4	5
IRW-12412	5/8	3/8	3
CS753F	3/4	3/8	3



Super Premium Countersinks 82° Pilotless - Type 82AG

Part Number	Size	Diameter of Cut		Shank Dia.
		Min.	Max.	
82AG19	3/16	3/16	17/32	1/4
82AG307A	.307	.307	25/32	1/4
82AG#08	#8	For #8 Screw		1/4
82AG#10	#10	For #10 Screw		1/4



Vix-Bit Self Centering Drills

Part Number	Size	Replacement Bit Size
VIX03R	#3	3/64 (For #2 & #3 Screws)
VIX05R	#5	5/64 (For #5 & #6 Screws)
VIX09R	#9	9/64 (For #8, #9 & #10 Screws)
VIX12R	#12	11/64 (For #12 Screws)
VIX14R	#14	13/64 (For #14 Screws)



Type 166 Aircraft Type B 6" Long Extension Drills - Surface Treated

Part Number	Diameter
166#01	#1
166#02	#2
166#05	#5
166#07	#7
166#11	#11
166#21	#21
166#29	#29
166#30	#30
16609	3/32
16611	7/64
16613	1/8
16614	9/64
16616	5/32
16617	11/64
6619	3/16
16620	13/64
16622	7/32
16623	15/64
16625	1/4
16628	9/32
16631	5/16
16634	11/32
16638	3/8



Type 168 Welded Construction 12" Long Extension Drills - Surface Treated

Part Number	Diameter
16813	1/8
16816	5/32
16819	3/16
16820	13/64
16822	7/32
16823	15/64
16825	1/4
16827	17/64
16828	9/32
16831	5/16
16838	3/8
16844	7/16
16848	31/64
16850	1/2



Type 720/721 Plug Taps - High Carbon Steel and Type 20-AG Magnum Super Premium Plug Taps - Hi-Tungsten & Hi-Molybdenum w/Gold Surface

Part Number	Size	Drill
7210632	6-32	36
20AG0632		
7210832	8-32	29
20AG0832		
7211024	10-24	25
20AG1024		
7211032	10-32	21
20AG1032		
7211224	12-24	16
20AG1224		
7202520	1/4-20	7
20AG2520		
7202528	1/4-28	3
20AG2528		
7203118	5/16-18	17/64
20AG3118		
7203124	5/16-24	17/64
20AG3124		
7203816	3/8-16	5/16
20AG3816		
7203824	3/8-24	21/64
20AG3824		
7204414	7/16-14	3/8
7204420	7/16-20	25/64
7205013	1/2-13	27/64
20AG5013		



Type 128AG 3/8" Shank Drills Jobber Length - Magnum Super Premium - 135° Split Point

Part Number	Diameter
128AG44	7/16
128AG56	9/16
128AG50	1/2
128AG62	5/8



SDS Carbide Bits

tile • hard metal • plastic • wood
• marble granite • masonry

SDS-Plus
SDSxxxxSDS HEX
SDSHTxxx

Part Number	Dia.	Total Length	Part Number	Dia.	Total Length
1604	5/32 Plus	4	5606	9/16 Plus	6
1606		6	5612		12
1908		8	5618		18
1904	3/16 Plus	4	6206	5/8 Plus	6-1/4
1906		6-1/4	6208		8
1908		8-1/4	6210		10
1910		10	6212		12
1912		12	6218		18
1916		16	6224		24
2206	7/32 Plus	6-1/4	6236		36
2208		8-1/4	6808	11/16 Plus	8
2211		11	6812		12
2214		14	7508	3/4 Plus	8
2216	13	7510	10		
2504	1/4 Plus	4	7512		12
2506		6	7518		18
2508		8	7524	24	
2511		11	8710	10	
2516		16	8712	12	
2520		20	8718	7/8 Plus	18
2808	9/32 Plus	8	9810	1 Plus	8
3106	5/16 Plus	6	9812		10
3108		8	9825		25
3112		12	9910	1-1/8 Plus	10
3806	3/8 Plus	6-1/4	9918	18	
3808		8-1/4	SDS HEX		
3810		10			
3812		12-1/4			
3818		18			
3824	24				
4406	7/16 Plus	6	165	5/32 HEX	5
4410		10	166	5/32 x 3-1/8 HEX	6
4412		12-1/4	167	5/32 X 4-1/8 HEX	6
4418	18				
5006	1/2 Plus	6		195	3/16 HEX
5010		10	196	6	
5012		12-1/4	197	7	
5018		18			
5024		24			

SDS-Max
SDSMxxxxx
2 cutter &
4 cutter

Part Number	Dia.	Total Length
03813	3/8	13
03818	(2C)	18
05013	1/2	13
05017	(2C)	17
05021	(2C)	21
05613	9/16	13
05621	(2C)	21
06213	5/8	13
06217	(4C)	17
06221	(4C)	21
06236	(4C)	36
06821	11/16	21
07513	(4C)	13
07517	(4C)	17
07521	(4C)	21
07528	(4C)	28
07536	(4C)	36
8713	7/8	13
8717	(4C)	17
8721	(4C)	21
8736	(4C)	36
10013	1	13
10017	(4C)	17
10021	(4C)	21
10036	(4C)	36
11317	1-1/8	17
11321	(4C)	21
11336	(4C)	36
12517	1-1/4	17
12523	(4C)	23
12536	(4C)	36
13817	1-3/8	17
13823	(4C)	23
13836	(4C)	36
15017	1-1/2	17
15023	(4C)	23
175023	1-3/4	23
20023	2	23

How to order:

Select style and size.

Replace 'xxxx' with Part Number

Example: Straight Shank Bit

- 1/8 Dia.

- Total Length 3

SSC1303

Spline Shank

S2Cxxxx - 2 cutter

S4Cxxxxx - 4 cutter

Part Number	Dia.	Total Length
3813	3/8	13
3816	(2C)	16
4413	7/16	13
5010	1/2	10
5016	(2C)	16
5022	(2C)	22
5029	(2C)	29
5036	(2C)	36
5613	9/16	13
5616	(2C)	16
5623	(2C)	23
5629	(2C)	29
06210	5/8	10
06216	(4C)	16
06222	(4C)	22
06229	(4C)	29
06236	(4C)	36
07510	3/4	10
07516	(4C)	16
07522	(4C)	22
07529	(4C)	29
08710	7/8	10
08716	(4C)	16
08722	(4C)	22
10016	1	16
10022	(4C)	22
10036	(4C)	36
11316	1-1/8	16
11322	(4C)	22
12516	1-1/4	16
12522	(4C)	22
13222	1-1/8	22
15016	1-1/2	16
15022	(4C)	22

Straight Shank
SSCxxxx

Part Number	Dia.	Total Length
1303	1/8	3
1306		6
1606	5/32	6
1903	3/16	3-1/2
1906		6
2504	1/4	4
2506		6
2520		20
3105	5/16	4
3106		6
3806	3/8	6
3812		12
3820		20
3824		24
4406	7/16	6
5006	1/2	6
5012		
5020		
5024		
5606	9/16	6
6206	5/8	6
6212		12
7506	3/4	6
7512		12
8706	7/8	6
8712		12

GrooV Straight Shank Carbide Bits

Part No.	Dia.	Total Length
GRT23	1/8	3
GRT33	3/16	3
GRT34		4
GRT36		6
GRT44	1/4	4
GRT46		6
GRT54	5/16	4
GRT56		6
GRT64	3/8	4
GRT66		6
GRT86	1/2	6

GrooV SDS+ Carbide Bits

Part No.	Dia.	Total Length
S20714	5/32	4-1/2
S20734	3/16	4-1/2
S20744	1/4	4
S20756	5/16	6
S20766	3/8	6
S20786	1/2	6

Tapcon Straight Shank Bits

Part No.	Dia.	Total Length
TCBIT16450	5/32	4-1/2
TCBIT16550		5-1/2
TCBIT19350		3-1/2
TCBIT19450	3/16	4-1/2
TCBIT19550		5-1/2

**Porcelain Tile Hole Cutter
3/8 Shank Diameter**

Part No.	Size	Total length
PTC19	3/16	5-3/4
PTC25	1/4	5-3/4
PTC31	5/16	5-3/4

**SDS-Plus Chisel**

Part No.	Description	Size
AG600600	Power Point	6-1/4
AG603603	Bull Point	10
AG606606	Flat Chisel	1 X 10
AG609609	Scaling Chisel	1-1/2 X 8

Bull Point



Flat Chisel



Wide Chisel

**Spline Chisel**

Part No.	Description	Size
AG110192	Bull Point	12"
AG115193		16"
AG120190	Flat Chisel	1 X 12"
AG125191		1 X 16"
AG130195	Scaling Chisel	2" X 12"
AG135198		3" X 12"

Bull Point



Flat Chisel



Scaling Chisel

**SDS-Max Chisel**

Part N.	Description	Size
AG230203	Bull Point	11"
AG235204		16"
AG240205	Flat Chisel	1" X 11"
AG245206		1" X 16"
AG250210	Scaling Chisel	2" X 12"
AG255207		2" X 16"
AG260208		3" X 12"

Bull Point



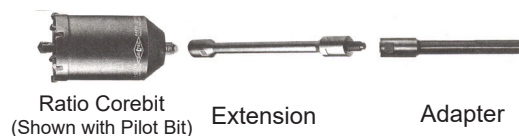
Flat Chisel



Scaling Chisel

**Bushing Chisel, One Piece**

Part No.	Description	Size
AG170350	Spline Bushing Chisel	1-3/4" x 1-3/4" x 9"
AG290370	Max Bushing Chisel	

**Core Bits & Accessories Available**

C24R: Silicon Carbide Grain, Long life, Use on masonry, concrete, stone soft aggregate, & brick



A24R: Aluminum Oxide Grain, General Purpose, Long life. Use on ferrous metals (steel, angle iron, rebar)

Big MAC: Very long life. Superior cutting action. Use on masonry, asphalt and concrete.

Brute: Long life. Extremely hard bond for cutting metals that present a very sharp edge to the wheel. Use on thin metal, sheet metal, decking and other ferrous materials.



Type 1 High Speed Cut-Off Wheels for Portable Saws

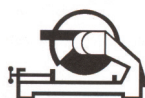
Part Number	Size	Description	Qty. Per Box
U23235	7 X 3/32 X 5/8	Masonry C24R	25
U23234	7 X 3/32 X 5/8	Metal A24R	25

Type 1 High Speed Cut-Off Wheels for Portable Saws

Part Number	Size	Description	Qty. Per Box
U23413	12 X 1/8 X 1	Masonry C24R	10
U23423	12 X 1/8 X 20mm		10
U23451	14 X 1/8 X 1		10
U23456	14 X 1/8 X 20mm		10
U23460	12 X 1/8 X 1	Masonry Big MAC	10
U23464	14 X 1/8 X 20mm		10
U23410	12 X 1/8 X 1	Metal A24R	10
U23420	12 X 1/8 X 20mm		10
U23450	14 X 1/8 X 1		10
U23455	14 X 1/8 X 20mm		10
U23412	12 X 1/8 X 1	Metal Brute	10
U23457	14 X 1/8 X 20mm		10

Stud King: Aluminum Oxide Grain, Burr free finish. General purpose cool cutting on thin metals. Use on metal studding, thin rebar and light gauge metals.

Iron Worker: Aluminum Oxide Grain, Fast cutting. Structural metal applications. Use on angle iron, channel iron, heavy rebar and other ferrous metals.



Type 1 Chop Saw Wheels

Part Number	Size	Description	Qty. Per Box
U24030	12 X 3/32 X 1	Metal Stud king	10
U24050	14 X 3/32 X 1		10
U24031	12 X 3/32 X 1	Metal Iron Worker	10
U24051	14 X 3/32 X 1		10



United Depressed Center Grinding Wheels Type 27



Part Number	Size	Description	Qty. Per Box
U20061	4-1/2 X 1/4 X 7/8	Masonry C24N	25
U20082	7 X 1/4 X 7/8		10
U20087	7 X 1/4 X 5/8-11		10
U20097	9 X 1/4 X 5/8 -11		10
U20013	4 X 1/4 X 5/8	Metal A24R	10
U20063	4-1/2 X 1/4 X 7/8		25
U20163	4-1/2 X 1/4 X 5/8-11		10
U20080	7 X 1/4 X 7/8		10
U20086	7 X 1/4 X 5/8-11		10
U20096	9 X 1/4 X 5/8-11	Stainless A24N	10
U20015	4 X 1/4 X 5/8		25
U20085	7 X 1/4 X 5/8-11		10
U20060	4-1/2 X 1/4 X 7/8		25
U20081	7 X 1/4 X 7/8	Aluminum A46N	10
U20062	4-1/2 X 1/4 X 7/8		25
U20088	7 X 1/4 X 5/8-11	Stainless Steel Saitech	10
U20064	4-1/2 X 1/4 X 7/8		25

C24N: Fast stock removal. Use on masonry, concrete, stone and certain cast iron applications.

C24R: Long Life. Use on masonry, concrete, stone, cast iron and other ferrous metals.

A24R: Long life. Use on all ferrous metals (iron, steel, welds, etc.).

A24N: Fast stock removal. Use on all ferrous metals (iron, steel, welds, etc.). Excellent on low grade SS.

A46N: Special non-loading aluminum oxide formulation. Use on aluminum and all non-ferrous soft metals (aluminum, copper, brass, etc.).

Saitech: Fast stock removal. Use on stainless steel and other high tensile alloys.

A60S: General Purpose. Use on ferrous and non-ferrous metals (iron, steel, welds, etc.).

A30S: Long life. Special aluminum oxide formula. Use on stainless steel, high tensile alloys.

Pipeline: Long life. Aluminum oxide grain for pipeline industry. Use on ferrous metals (steel, cast iron, etc.).

United Depressed Center Cutting Wheels Type 27

Part Number	Size	Description	Qty. Per Box
U22021	4-1/2 X .045 X 7/8	Metal A60S	50
U22345	4-1/2 X .045 X 7/8	Aluminum A46N	50
U23174	4-1/2 X .045 X 7/8	Stainless Steel Saitech	50
U22025	4-1/2 X 3/32 X 7/8	Masonry C24R	25
U22020	4-1/2 X 3/32 X 7/8	Metal A24R	25
U20079	6 X 1/4 X 7/8	Metal A24R	25
U22030	4-1/2 X 1/8 X 7/8	Metals Pipeline	25
U22052	7 X 1/8 X 5/8-11		10
U22055	7 X 1/8 X 7/8		10



Aluminum Oxide Belts - Blue Line Packaged

Part Number	Size	Description	Qty. Per Package
U57104	3 X 18	60 Grit	10
U57105		80 Grit	10
U57106		100 Grit	10
U57107		100 Grit	10
U57108		150 Grit	10
U57200	3 X 21	24 Grit	5
U57201		36 Grit	5
U57202		40 Grit	5
U57204		60 Grit	10
U57205		80 Grit	10
U57206		100 Grit	10
U57207		120 Grit	10
U57500	3 X 24	24 Grit	5
U57501		36 Grit	5
U57502		40 Grit	5
U57503		50 Grit	5
U57504		60 Grit	10
U57505		80 Grit	10
U57506		100 Grit	10
U57507		120 Grit	10
U57901	4 X 24	36 Grit	5
U57904		60 Grit	10
U57905		80 Grit	10
U57906		100 Grit	10
U57907		120 Grit	10


Saitlam Flap Discs - ZH Zirconium


Part Number	Size	Description	Qty. Per Package
U73940	4-1/2 X 7/8	40 Grit	20
U73950		50 Grit	20
U73960		60 Grit	20
U73980		80 Grit	20
U73920		120 Grit	20
F8-U74960	4-1/2 X 5/8-11	60 Grit	10





Type 1 Thin High Speed Cut-Off Wheels

Part Number	Size	Description	Qty. Per Box
U23040	3 X 1/16 X 3/8	Metal A36T	50
U23050	3 X .035 X 3/8		100
U23062	4 X 1/16 X 5/8	Metal A60T	50
U23101	4-1/2 X .045 X 7/8	Metal A60S	50
U23106	6 X .045 X 7/8		50



A36T: Hard bond for aggressive cutting on rough applications. Use on ferrous metals (iron, steel, welds, etc.).

A60T: Burr free. Hard bond for smooth cutting. For use in nuclear, aerospace, automotive, foundry industries, and plant maintenance. Use on ferrous metals (iron, steel, welds, etc.).

A60S: General purpose. Use on ferrous and non-ferrous metals (iron, steel, welds, etc.).

Wire Cup Brushes



Part Number	Size	Description	Qty. Per Box
U06401	2-3/4 X 5/8-11	Crimp Wire	1
U06414	2-3/4 X 5/8-11	Knot Wire	1



Wire Wheels

Part Number	Size	Description	Qty. Per Box
U06450	4 X 5/8-11	Crimp Wire	1
U06426	4 X 5/8-11	Knot Wire	1



Fiber Discs - Aluminum Oxide

Part Number	Size	Description	Qty. Per Package
U50011	4-1/2 X 7/8	36 Grit	20
U50013	4-1/2 X 7/8	60 Grit	25
U50014	4-1/2 X 7/8	80 Grit	25
U50016	4-1/2 X 7/8	120 Grit	25





Nail Cutting

Part Number	Size (inches)	Description
O7256814	7-1/4	14 Tooth Carbide 5/8 KO

Good for remodeling jobs and roofing work, such as cutting material with embedded nails; concrete-coated forming material; and wooden pallets with heavy staples



Emergency Cutting/ Heavy Duty Construction

Part Number	Size (inches)	Description
O1207812	12	12 Tooth Carbide 1" Arbor
O1407824	14	24 Tooth Carbide 1" Arbor

Cuts most building materials, including tar paper, roofing, nails and nonferrous metals; also easily cuts pallets, landscape timbers and wood with embedded nails



Panasonic Cordless

Part Number	Size (inches)	Description
EY9PM13C	5-3/8	30 Tooth 20mm <i>Metal Cutting</i>
EY9PW13A	5-3/8	30 Tooth 20mm <i>Wood Cutting</i>
EY9PW13B	5-3/8	50 Tooth 20mm <i>Thin Wood Cutting</i>



IRWIN® Marathon®

Carbide Tip Blades

Part Number	Size (inches)/#Tooth	Description
IRW25130	7-1/4 / 24 Tooth	Corded - Framing/Ripping - 25/bx Bulk Pack
IRW24030	7-1/4 / 24 Tooth	Corded - Framing/Ripping - 25/bx Bulk Pack
IRW14031	7-1/4 / 40 Tooth	Corded - Trim/Finish - 25/bx Bulk Pack
IRW14011	5-1/2 / 24 Tooth	Cordless - Framing/Ripping
IRW14023	6-1/2 / 40 Tooth	Cordless - Trim/Finish
IRW14029	6-1/2 / 24 Tooth	Cordless - Framing/Ripping



Citation Wood Cutting/ Framing

Part Number	Size (inches)	Description
F8-TPT-18524	7-1/4	24 Tooth 5/8" KO

Cord-Free Series for Wood Materials



Part Number	Size (inches)	Description
TCF13530W	5-3/8	30 Tooth 10mm Arbor for DeWalt Cordless
TCF15236W	6	36 Tooth 1/2" Arbor
TCF16524W	6-1/2	24 Tooth 5/8" Arbor



Steel-Pro STABILIZER Series

TENRYU'S complete series of steel cutting saw blades called "Steel-Pro®" makes light work out of all kinds of mild steel; steel studs, steel sheet, steel pipe, channel, threaded rod and much, much more.

Part Number	Dia.	Description	Application
TPRF18536BWK	7-1/4"	36 Tooth 5/8" KO	Mild Steel 1/8 up to 1/4" thickness
TPRF18548BWK	7-1/4"	48 Tooth 5/8" KO	Mild Steel up to 1/8" thickness
TPRF20348BWK	8"	48 Tooth 5/8" Arbor	Mild Steel up to 1/8" thickness
TPRF25550D	10"	50 Tooth 1, 5/8 Arbor	For 10" circular saws and low RPM saws for ferrous metals
TPRF30560DK	12"	60 Tooth 1" Arbor	For 12" Dry Cutter (Low RPM)
TPRF35590BWS	14"	90 Tooth 1" Arbor	"Steel-Pro" Select For quieter, low vibration cuts in mild steel

Rapid-Cut Series Super Quiet Table Saw Blade



Part Number	Dia.	Description
TRS-25550-2	10"	50 Tooth 5/8"

Cord-Free Series for Ferrous Metals Mild Steel



Part Number	Dia.	Description	Fits
MS-53832	5-3/8"	32 Tooth 20mm Arbor	Panasonic
TCF13550M	5-3/8"	50 Tooth 10mm Arbor	DeWalt & Bosch
TCF16548M	6-1/2"	48 Tooth 5/8" Arbor	Many Manufacturers
TCF17340M	6-3/4"	40 Tooth 20mm Arbor	DeWalt

Silencer Series for Non-Ferrous Metals



Part Number	Dia.	Description
TCF16560A	6-1/2"	60 Tooth 5/8" (cord-free)
TIA18560D	7-1/4"	60 Tooth 5/8" KO
TIA20360DN	8"	60 Tooth 5/8"
TIA25580DN	10"	80 Tooth 5/8"
TIA30580DN	12"	80 Tooth 1"

Silencer Series - Excellent for Finish Carpentry

Part Number	Dia.	Description	Saw
TSL18560C	7-1/4"	60 Tooth 5/8" KO	Circle
TSL25572	10	72 Tooth 5/8"	Mitre
TSL305100	12	100 Tooth 1"	Mitre

Board-Pro Series for Fiber Cement Board



Part Number	Dia.	Description
TB18505	7-1/4"	5 Tooth 5/8" KO
TB18524	7-1/4"	24 Tooth 5/8" KO

Power Tool Series for the Contractor



Part Number	Dia.	Description
TPT15236	6"	36 Tooth 1/2"
TPT18540T	7-1/4"	40 Tooth 5/8" KO
TPT20360	8"	60 Tooth 5/8"
TPT21060	8-1/4"	60 Tooth 5/8" KO
TPT25550	10"	50 Tooth 5/8"

Standard Blades, Dry Cutting

Part No.	Size (inches)
WPDC2S4009	4 X .090 X 7/8"
WPDC2P4509	4.5 X .090 X 7/8"
SPDC2S4523	4.5 X .230 X 7/8"
WPDC2S5009	5 X .090 X 7/8"
WPDC2P6009	6 X .090 X 7/8"
WPDC2P7009	7 X .090 X UA
WPDC2S7023	7 X .230 X 7/8"
WPDC2S9109	10 X .090 X 5/8"

Standard Dry Cutting

General purpose, for cutting cured concrete products such as pipe, sidewalks, floors, prestressed, and precast. Also recommended for medium hard brick and stone.



Standard Blades, Dry Cutting

Part No.	Size (inches)
WDHS2S12	12" X .110
WDHS2S14	14" X .125

Standard Dry Cutting

General purpose, for cutting cured concrete products such as pipe, curbs, sidewalks, floors, prestressed, and precast. Also recommended for medium hard brick and stone.



Arbor Sizes

Blades come with 20mm Bushings pressed in knock out to 1"

Dry Grinding Diamond Cup Wheels

Part No.	Diameter	Arbor
WGCG45	4.5	5/8-11
WGCG5	5	7/8
WGCG7	7	—

Dry Cutting

Has angled diamond segments which create the widest rim for the smoothest finish on concrete.



Diamond Core Bits for Dry Drilling

Part No.	Diameter	Arbor
GRCPB100D	1	5/8-11
GRCPB125D	1-1/4	5/8-11
GRCPB150D	1-1/2	5/8-11
GRCPB175D	1-3/4	5/8-11
GRCPB225D	2-1/4	5/8-11
GRCPB250D	2-1/2	5/8-11
GRCPB300D	3	5/8-11
GRCPB350D	3-1/2	5/8-11
GRCPB400D	4	5/8-11

Supreme Dry Cutting

Supreme Dry Cutting core bits are for drilling block and other highly abrasive materials. Use with right angle grinders and heavy duty drills with necessary chuck adaptor.

Standard core bit length is 10-1/8"



Not recommended for reinforced concrete.

Lazer™ Blades

Best for Heavy Metal Cutting



TPI	Length (in.)	5/pk Prod No. (Descrip.)	25/pk Prod No. (Descrip.)	Width (in.)	Thickness (in.)	Applications
10	9	LNX-20176 (9110R)	LNX-20177 (B9110R)	1	.042	Rebar, Steel Rod, Black Pipe 3/16"-1/2"
14	6	LNX-20172 (6114R)	LNX-20173 (B6114R)	1	.042	Steel Rod, Black Pipe 3/32"-3/8"
14	9	LNX-20178 (9114R)	LNX-20179 (B9114R)	1	.042	Steel Rod, Black Pipe 3/32"-3/8"
18	6	LNX-20174 (6118R)	LNX-20175 (B6118R)	1	.042	Copper Pipe & Black Pipe 1/16"-1/4"
18	9	LNX-20180 (9118R)	LNX-20181 (B9118R)	1	.042	Copper Pipe & Black Pipe 1/16"-1/4"

Features:

Longer Lasting: Lasts 45% longer than the leading competitors blade.

Greater Strength and Durability: Unique blade geometry reinforces traditional weak areas, creating stronger and more durable blades.

Shatter Resistant: Bi-metal blades bend and resist breaking and extend blade life.

Optimized Performance: Thicker (.042) and wider (1") blades minimize whipping for straighter and smoother cuts.



Demolition Blades

Best for Nail-Embedded Wood & Demolition



TPI	Length (in.)	2/pk Prod No. (Descrip.)	25/pk Prod No. (Descrip.)	Width (in.)	Thickness (in.)	Applications
6	6	LNX-20512 (6066R)	LNX-20514 (B6066R)	7/8	.062	Demolition work in nail-embedded wood
6	9	LNX-20598 (966R)	LNX-20523 (B966R)	7/8	.062	Demolition work in nail-embedded wood
6	12	LNX-20500 (106R)	LNX-20485 (B106R)	7/8	.062	Demolition work in nail-embedded wood
10	9	LNX-20597 (960R)	LNX-20524 (B960R)	7/8	.062	Demolition work in wood & metal. Fire & rescue.
10/14	6	LNX-20592 (650R)	LNX-20515 (B650R)	3/4	.050	Demolition work in wood & metal. Fire & rescue.



Features:

Extreme Versatility: Designed to cut easily through the toughest materials. Cuts dimensional lumber, angle iron, fasteners and metal pipe, simultaneously.

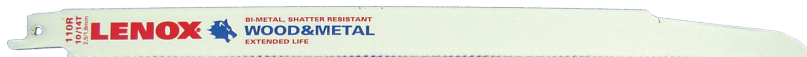
Optimized Performance: Thicker (.062) and wider (7/8") blades minimize whipping for straighter and smoother cuts.

Shatter Resistant: Bi-metal blades bend and resist breaking and extend blade life.



Bi-Metal Reciprocating Blades

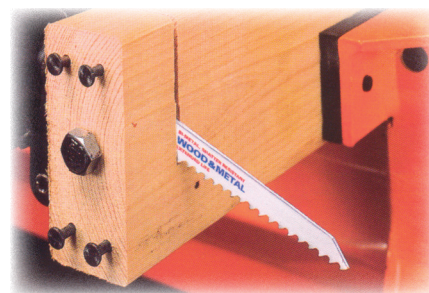
Cuts Stronger, Faster, and Lasts Longer



TPI	Length (in.)	5/pk Prod No. (Descrip.)	25/pk Prod No. (Descrip.)	Width (in.)	Thickness (in.)	Applications
4	6	LNK-20575 (634R)	—	3/4	.050	Extra fast cutting in thick, nail-free wood
6	4	LNK-20449 (456RP)	—	3/4	.050	For plaster, plaster board & lath
6	6	LNK-20570 (636RP)	LNK-20497 (B636RP)	3/4	.050	Bi-directional cutting
6	6	LNK-20560 (606R)	LNK-20492 (B606R)	3/4	.035	Fast cutting for wood, composition materials, plastics and non-ferrous metal
6	6	LNK-20556 (676RC)	—	7/16	.050	Contour cutting in all woods, nail-embedded wood & composition materials
6	6	LNK-20572 (656R)	LNK-20530 (B656R)	3/4	.050	Fast cutting Roughing-in work & nail-embedded wood
6	9	LNK-20582 (956R)	LNK-20558 (B956R)	3/4	.050	
6	12	LNK-20585 (156R)	LNK-20495 (B156R)	3/4	.050	
10	6	LNK-20562 (610R)	LNK-20493 (B610R)	3/4	.035	Nail-embedded wood, composition materials & plastics, pipe, carbon steel, stainless steel: 1/8"-1/4", non-ferrous metal: 1/8"-1/2" thick
10	8	LNK-20580 (810R)	LNK-20590 (B810R)	3/4	.050	
10/14	8	LNK-20577 (850R)	LNK-20535 (B850R)	3/4	.050	Wood, nail-embedded wood, pipe, carbon steel, stainless steel: 1/8"-1/4", non-ferrous metal: 1/8"-1/2" thick, demolition work, fire & rescue
10/14	12	LNK-20583 (110R)	LNK-20491 (B110R)	3/4	.050	
14	3-5/8	LNK-20520 (314RC)	—	5/16	.035	Contour cutting in wood <3/4" thick & in metal 3/32"-5/16" thick
14	4	LNK-20550 (414R)	LNK-20488 (B414R)	3/4	.035	Pipe, structural steel, stainless steel: 3/32"-1/4", non-ferrous metal: 3/32"-3/8"
14	6	LNK-20564 (614R)	LNK-20494 (B164R)	3/4	.035	
14	8	LNK-21519 (814R)	—	3/4	.035	
18	3-5/8	LNK-20521 (318RC)	—	5/16	.035	Contour cutting in metal: 1/16"-1/8"
18	4	LNK-20552 (418R)	LNK-20489 (B418R)	3/4	.035	Structural steel, pipe, conduit, stainless steel: 1/16"-3/16" thick, non-ferrous metal: 1/16"-5/16"
18	6	LNK-20566 (618R)	LNK-20529 (B618R)	3/4	.035	
18	8	LNK-20578 (818R)	LNK-20487 (B818R)	3/4	.035	
18	12	LNK-21510 (118R)	LNK-21511 (B118R)	3/4	.035	
24	4	LNK-20554 (424R)	LNK-20490 (B424R)	3/4	.035	All metals less than 1/8" thick, tubing, conduit, trim
24	6	LNK-20568 (624R)	LNK-20496 (B624R)	3/4	.035	
24	8	LNK-20579 (824R)	—	3/4	.035	

Features:

- Shatter Resistant:** Bi-metal blades bend and resist breaking and extend blade life.
- Designed to Attack:** Unique blade geometry positions the blade for optimum cutting performance.
- Long Lasting:** *TUFF TOOTH™* design is reinforced to cut stronger and last longer.



Master-Grit™ Recip Blades

Best for Cutting Abrasives 2 per pack



Length (in.)	Prod. No. (Descrip.)	Width (in.)	Thickness (in.)	Grit	Applications
6	LNK-20505 (600RG)	3/4	.032	Medium	Cast iron, Fiberglass
8	LNK-20576 (800RG)	3/4	.040	Medium	Ceramic wall tile, Clay, Pipe
10	LNK-20506 (100RG)	3/4	.050	Medium	Stone, Brick, Plaster, Marble

DIAMOND™ Recip Blade

Cuts cast clean and fast 1 per pack



Length (in.)	Prod. No. (Descrip.)	Width (in.)	Thickness (in.)	Applications
8	LNK-10833 (800RDG)	3/4	.040	Cast iron, Tile, Brick, Architectural Stone



Features:

- Longer Lasting:** MASTER-GRIT™ & DIAMOND™ do not snag or chip, provides smooth cuts.
- Long Lasting:** Super hard cutting edge cuts through even the toughest materials.
- Abrasive Cutting:** Cuts through cast iron, fiberglass, ceramic tile, clay, pipe, stone, brick, plaster, marble and architectural stone.

LENOX® Gold™ Metal Cutting

5/pk Prod. No. (Descrip.)	25/pk Prod. No. (Descrip.)	TPI	Length	Width	Thickness
LNK-21064 (610G)	LNK-21078 (610G)	10	6"	3/4"	.035
LNK-21065 (810G)	LNK-21079 (810G)	10	8"	3/4"	.050
LNK-21066 (414G)	—	14	4"	3/4"	.035
LNK-21067 (614G)	LNK-21081 (614G)	14	6"	3/4"	.035
LNK-21068 (418G)	—	18	4"	3/4"	.035
LNK-21069 (618G)	LNK-21083 (618G)	18	6"	3/4"	.035
LNK-21070 (818G)	LNK-21084 (818G)	18	8"	3/4"	.035
LNK-21071 (424G)	—	24	4"	3/4"	.035
LNK-21072 (624G)	LNK-21086 (624G)	24	6"	3/4"	.035
LNK-21073 (824G)	LNK-21087 (824G)	24	8"	3/4"	.035



Features:

- Lasts Longer:** Reinforced tooth design and Titanium coating combine to create the longest lasting blade, ever.
- Cuts Faster:** Specially formulated Titanium Edge improves the wear resistance of the teeth for faster cuts throughout the blade's life.
- Shatter Resistant:** Bi-metal technology flexes, resists breaking and extends blade life.

LENOX® Gold™ Wood Cutting

5/pk Prod. No. (Descrip.)	25/pk Prod. No. (Descrip.)	TPI	Length	Width	Thickness
LNK-21060 (656G)	LNK-21074 (656G)	6	6"	3/4"	.050
LNK-21063 (676GC)	LNK-21077 (676GC)	6	6"	7/16"	.050
LNK-21062 (956G)	LNK-21076 (956G)	6	9"	3/4"	.050
LNK-21061 (156G)	LNK-21075 (156G)	6	12"	3/4"	.050





Bi-Metal Jig Saw Blades

Features:

Greater Precision: Super sharp to cut fast without deflection.

Smoother Finish: Ground to precision sharpness for straighter cuts and a smoother finish.

Ideal for Woodworking: Designed for optimal performance in wood cutting, including hard-woods.

Shatter Resistant: Bi-metal technology flexes and resists breaking and extends blade life.

Bi-Metal T Shank Blades

TPI	Length (in.)	Type	Process	Prod No. - 2/pk	Prod No. - 25/pk	Applications
6	4	BIM	Milled & Set	LNX-20305 (BT406S)	LNX-20812 (B406S)	Fast, rough wood cutting
6	4	BIM	Fleam & Taper Ground	LNX-20315 (BT456S)	LNX-20781 (B456S)	Very fast, clean wood cutting
10	4	BIM	Milled & Set	LNX-20306 (BT410S)	LNX-1991408 (B406T25)	Fast wood, nail-embedded wood cutting
10	4	BIM	Fleam & Taper Ground	LNX-20313 (BT450S)	LNX-1991381 (C450T25)	Clean, smooth wood cutting
10D	4	BIM	Fleam & Taper Ground	LNX-20314 (BT450SR)	LNX-1991388 (B450SR)	Down cutting, no top splinters
14	3-5/8	BIM	Milled & Set	LNX-20301 (BT314S)	LNX-1991561 (B314T25)	Thick metal cutting (>3/32")
18	3-5/8	BIM	Milled & Set	LNX-20302 (BT318S)	LNX-1991567 (B318S)	Medium metal cutting (1/16" to 1/4")
18	5-1/4	BIM	Milled & Set	LNX-20308 (BT518S)	—	Medium metal cutting (1/16" to 1/4")
20	3-5/8	BIM	Fleam & Taper Ground	LNX-20311 (BT320SC)	—	Scroll cutting in wood & laminates
24	3-5/8	BIM	Milled & Set	LNX-20303 (BT324S)	LNX-20817 (B324S)	Thin Metal Cutting (<1/8")
32	3-5/8	BIM	Milled & Set	LNX-1991577 (BT332S)	—	Very thin metal cutting (<1/16")
Grit	3	—	Grit	LNX-20300 (GT300S)	—	Ceramic & tile cutting

Bi-Metal U Shank Blades

TPI	Length (in.)	Type	Process	Prod No. - 2/pk	Prod No. - 25/pk	Applications
6	4	BIM	Milled & Set	LNX-20329 (BT486J)	—	Fast, rough wood cutting
6	4	BIM	Fleam & Taper Ground	LNX-20337 (BT456J)	—	Very fast, clean wood cutting
10	4	BIM	Milled & Set	LNX-20328 (BT480J)	—	Fast wood, nail-embedded wood cutting
10	4	BIM	Fleam & Taper Ground	—	LNX-20702 (B450J)	Clean, smooth wood cutting
10D	4	BIM	Fleam & Taper Ground	LNX-20336 (BT450JR)	—	Down cutting, no top splinters
14	3-5/8	BIM	Milled & Set	LNX-20321 (BT314J)	LNX-20705 (B314J)	Thick metal cutting (>3/32")
18	3-5/8	BIM	Milled & Set	LNX-1991569 (BT318J)	LNX-20706 (B318J)	Medium metal cutting (1/16" to 1/4")
18	5-1/4	BIM	Milled & Set	LNX-20330 (BT518J)	—	Medium metal cutting (1/16" to 1/4")
20	3-5/8	BIM	Fleam & Taper Ground	LNX-20333 (BT320JC)	—	Scroll cutting in wood & laminates
24	3-5/8	BIM	Milled & Set	LNX-20323 (BT324J)	LNX-20707 (B324J)	Thin metal cutting (<1/8")
32	3-5/8	BIM	Milled & Set	LNX-20609 (BT332J)	—	Very thin metal cutting (<1/16")
Grit	3	—	Grit	LNX-20320 (GT300J)	LNX-20830 (F300SG) 5/pk	Ceramic & tile cutting



Diamond™ One-Piece Hole Saws

Designed for Porcelain, Ceramic, Slate, Granite, Marble, Glass, Fiberglass, Travertine, Cement Board and Laminates

Prod No.	Diameter (in.)	Pipe Tap (in.)	Pipe Entrance (in.)
LNX-12106	3/16		
LNX-12107	1/4		
LNX-12108	5/16		
LNX-12109	3/8		
LNX-12110	1/2		
LNX-12111	5/8		
LNX-12112	3/4	3/4	3/8
LNX-12114	1		
LNX-12116	1-3/8		1

Features:

Long Lasting: Continuous, brazed edge for more holes and lasts longer in tile and stone.

Easy Cutting: Low torque, little pressure required.

Fast Cutting: Cuts holes in less time than carbide grit or carbide tipped hole saws.

Durable: Robust design for greater durability in tough applications

Easier Plug Removal: Round holes make removing plugs faster and easier. Over-sized slot in one-piece hole saw for easy plug removal.

No Arbor Required: One-Piece Hole Saws (only)

Diamond™ Hole Saws

Designed for Porcelain, Ceramic, Slate, Granite, Marble, Glass, Fiberglass, Travertine, Cement Board and Laminates

Prod No.	Diameter (in.)	Pipe Tap (in.)	Pipe Entrance (in.)
LNX-12113	7/8	3/4	1/2
LNX-12256	1-1/8	1	3/4
LNX-12115	1-1/4		
LNX-12117	1-3/8		
LNX-12118	1-1/2	1-1/4	
LNX-12119	2		1-1/2
LNX-12120	2-1/2		2

Use Standard Arbors on page 115

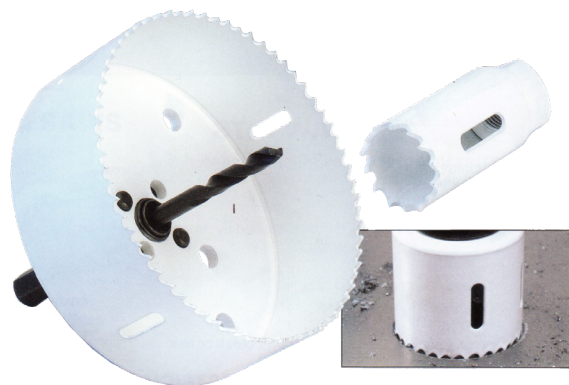




Bi-Metal Hole Saws

Engineered for Optimum Performance in Wood and Metal

Prod # (Descrip.)	Diameter (in.)	Pipe Tap (in.)	Pipe Entrance (in.)	Use Arbor Number
LNX-30009 (9L)	9/16			1L, 4L, or 5L
LNX-30010 (10L)	5/8			
LNX-30012 (12L)	3/4	1/2	3/8	
LNX-30098 (20MMHS)	25/32			
LNX-30013 (13L)	13/16			
LNX-30014 (14L)	7/8	3/4	1/2	
LNX-30015 (15L)	15/16			
LNX-30016 (16L)	1			
LNX-30017 (17L)	1-1/16			
LNX-30018 (18L)	1-1/8	1	3/4	
LNX-30019 (19L)	1-3/16			2L, 3L, or 6L
LNX-30020 (20L)	1-1/4			
LNX-30021 (21L)	1-5/16			
LNX-30022 (22L)	1-3/8		1	
LNX-30023 (23L)	1-7/16			2L, 3L, 6L, or 7L
LNX-30024 (24L)	1-1/2	1-1/4		
LNX-30025 (25L)	1-9/16			
LNX-30026 (26L)	1-5/8			
LNX-30027 (27L)	1-11/16			
LNX-30028 (28L)	1-3/4	1-1/2	1-1/4	
LNX-30029 (29L)	1-13/16			
LNX-30030 (30L)	1-7/8			
LNX-30032 (32L)	2		1-1/2	
LNX-30033 (33L)	2-1/16			
LNX-30034 (34L)	2-1/8			
LNX-30036 (36L)	2-1/4	2		
LNX-30038 (38L)	2-3/8			
LNX-30040 (40L)	2-1/2		2	
LNX-30041 (41L)	2-9/16			
LNX-30042 (42L)	2-5/8	2-1/2		
LNX-30043 (43L)	2-11/16			
LNX-30044 (44L)	2-3/4			
LNX-30046 (46L)	2-7/8			
LNX-30048 (48L)	3		2-1/2	
LNX-30050 (50L)	3-1/8			
LNX-30052 (52L)	3-1/4	3		
LNX-30054 (54L)	3-3/8			
LNX-30056 (56L)	3-1/2			
LNX-30058 (58L)	3-5/8		3	
LNX-30060 (60L)	3-3/4	3-1/2		
LNX-30062 (62L)	3-7/8			
LNX-30064 (64L)	4			
LNX-30066 (66L)	4-1/8		3-1/2	
LNX-30068 (68L)	4-1/4	4		
LNX-30070 (70L)	4-3/8			
LNX-30072 (72L)	4-1/2	4-1/2		
LNX-30074 (74L)	4-5/8		4	
LNX-30076 (76L)	4-3/4			
LNX-30080 (80L)	5			
LNX-30088 (88L)	5-1/2			
LNX-30096 (96L)	6			



Features:

Added Durability: Thick backing plate resists damage and increases life.

Unique Tooth Configuration: Patented *VARI-TOOTH®* design optimizes cutting for fast cuts and long tool life. Patent no. 5803678.

Resists Tooth Stripping: Bi-metal construction creates a hardened edge to minimize tooth stripping.

Uses a Standard Arbor



10 Piece, Plumber's Kit

Product No. 30808-600P

3/4", 7/8", 1-1/8", 1-1/2", 1-3/4", 2-1/4".
Arbors: 2L, 5L. One 4321 pilot drill.
One arbor per adaptor.



10 Piece, Electrician's Kit

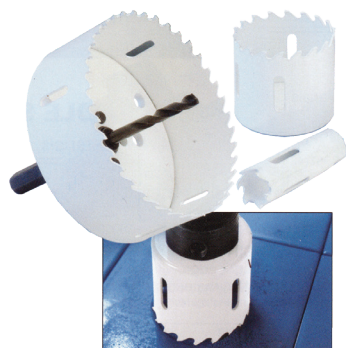
Product No. 30800-600L

7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2".
Arbors: 2L, 5L. One 4321 pilot drill.
One arbor per adaptor.

10 Piece, General Purpose Kit

Product No. 30807-700G

7/8", 1", 1-1/4", 1-3/8", 1-1/2", 1-3/4",
2-1/8". Arbors: 5L, 6L. One 56PD pilot drill.



Carbide Tipped Hole Saw Features:

Long Tool Life: Heat resistant carbide teeth for long life in tile and stainless steel.

Added Durability: Thick backing plate resists damage and increases life.

Unique Tooth Configuration: Engineered design provides ability to cut in stainless steel like no other.

Use Standard Arbor

Note: We recommend the use of a carbide tipped pilot drill when cutting ceramic wall tile. Pilot drill 123CT fits the 1L, 3L, 4L or 7L arbors. Pilot drill 65CPD fits the 5L and 6L arbors.

Carbide Tipped Hole Saws

Designed to Cut Tile & Stainless Steel

Prod # (Descrip)	Diameter (in.)	Pipe Tap (in.)	Pipe Entrance (in.)	Use Arbor#
LNX-30212 (12CT)	3/4	1/2	3/8	1L or 4L
LNX-30214 (14CT)	7/8	3/4	1/2	
LNX-30216 (16CT)	1			
LNX-30218 (18CT)	1-1/8	1	3/4	
LNX-30220 (20CT)	1-1/4			3L
LNX-30222 (22CT)	1-3/8		1	
LNX-30224 (24CT)	1-1/2	1-1/4		3L or 7L
LNX-30226 (26CT)	1-5/8			
LNX-30228 (28CT)	1-3/4	1-1/2	1-1/4	
LNX-30232 (32CT)	2		1-1/2	
LNX-30234 (34CT)	2-1/8			
LNX-30236 (36CT)	2-1/4	2		
LNX-30238 (38CT)	2-3/8			
LNX-30240 (40CT)	2-1/2		2	
LNX-30241 (41CT)	2-9/16			
LNX-30242 (42CT)	2-5/8	2-1/2		
LNX-30243 (43CT)	2-11/16			
LNX-30248 (48CT)	3		2-1/2	
LNX-30252 (52CT)	3-1/4	3		
LNX-30254 (54CT)	3-3/8			
LNX-30256 (56CT)	3-1/2			
LNX-30258 (58CT)	3-5/8		3	
LNX-30260 (60CT)	3-3/4	3-1/2		
LNX-30264 (64CT)	4			
LNX-30266 (66CT)	4-1/8		3-1/2	
LNX-30268 (68CT)	4-1/4	4		
LNX-30272 (72CT)	4-1/2			
LNX-30276 (76CT)	4-3/4	4-1/2	4	
LNX-30280 (80CT)	5			
LNX-30288 (88CT)	5-1/2			
LNX-30296 (96CT)	6			
LNX-30297 (123CT)	Carbide Tipped Pilot Drill (1/pk)			1L, 2L, 4L, or 7L
LNX-30298 (65CTP)	Carbide Tipped Pilot Drill (1/pk)			5L or 6L

Master-Grit™ Hole Saws

Best for Cutting Abrasive Materials

Prod # (Descrip)	Diameter (in.)	Pipe Tap (in.)	Pipe Entrance (in.)	Use Arbor #
LNX-29912 (12CG)	3/4	1/2	3/8	1L or 4L
LNX-29998 (20MMCG)	25/32			
LNX-29914 (14CG)	7/8	3/4	1/2	
LNX-29916 (16CG)	1			
LNX-29918 (18CG)	1-1/8	1	3/4	3L
LNX-29920 (20CG)	1-1/4			
LNX-29922 (22CG)	1-3/8		1	3L or 7L
LNX-29924 (24CG)	1-1/2	1-1/4		
LNX-29928 (28CG)	1-3/4	1-1/2	1-1/4	
LNX-29932 (32CG)	2		1-1/2	
LNX-29934 (34CG)	2-1/8			
LNX-29936 (36CG)	2-1/4	2		
LNX-29938 (38CG)	2-3/8			
LNX-29940 (40CG)	2-1/2		2	
LNX-29941 (41CG)	2-9/16			
LNX-29948 (48CG)	3		2-1/2	
LNX-29952 (52CG)	3-1/4	3		
LNX-29958 (58CG)	3-5/8		3	
LNX-29964 (64CG)	4			
LNX-29966 (66CG)	4-1/8		3-1/2	
LNX-30297 (123CT)	Carbide Tipped Pilot Drill (1/pk)			1L, 2L, 4L or 7L
LNX-30298 (65CTPD)	Carbide Tipped Pilot Drill (1/PK)			5L or 6L

Master-Grit™ Hole Saw



Master-Grit™ Hole Saw Features:

Cuts Abrasive Materials: Super hard tungsten carbide grit cuts through fiberglass, ceramic tile, laminates and other abrasive materials.

Clean Cutting: Carbide grit edge will not snag or chip when cutting thin materials.



Hole Saw Arbors & Accessories for All Your Drilling Needs

Arbors (1 per pack)

Product Number	Fits Hole Saws	Shank Type	Shank Size (in)
LNx-1779774 (1L)	9L-19L	Hex	1/2 & Larger
LNx-1779801 (2L)	20L-96L	Solid/Hex	
LNx-1779802 (3L)	20L-96L	Solid/Hex	
LNx-1779803 (4L)	9L-19L	3 Sided	1/4 & Larger
LNx-1779804 (5L)	9L-19L	Hex	3/8 & Larger
LNx-1779805 (6L)	20L-96L	Hex	
LNx-1779806 (7L)	24L-96L	Hex	

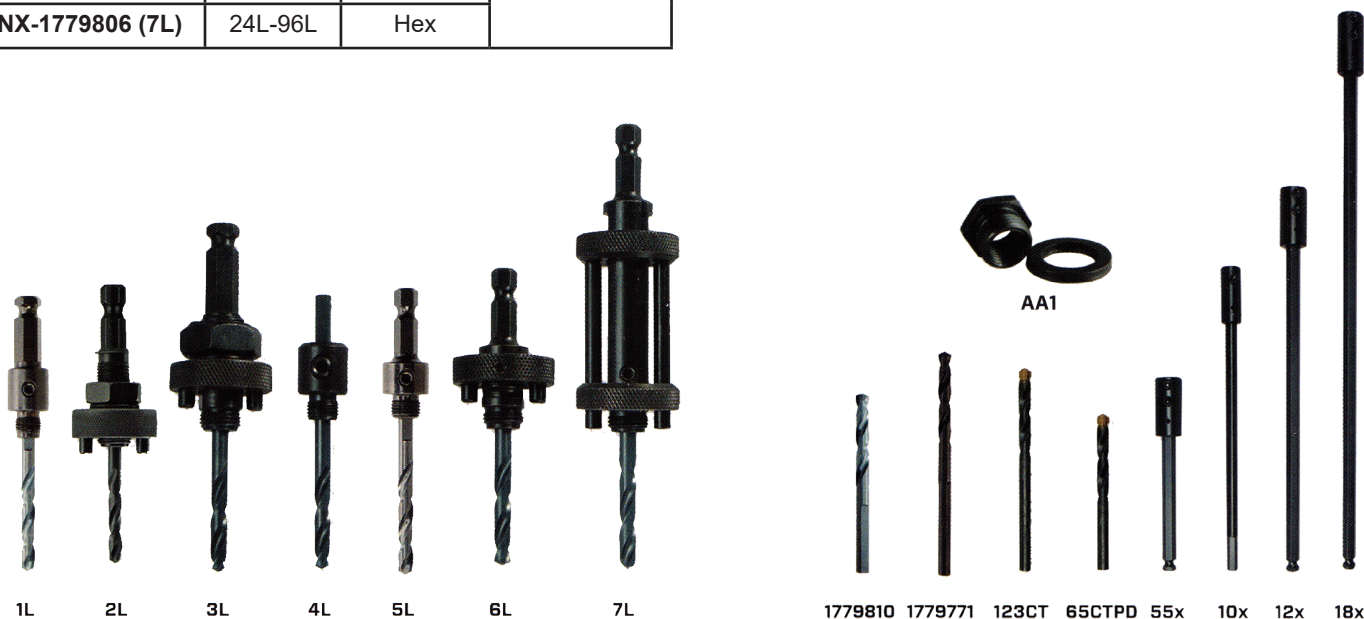
Features:

Added Durability: Hardened carbon steel for strength through the cross section.

Starts on Contact: Split point pilot drill for faster penetration and less walking.

Simple Plug Ejection: 7L arbor is designed with sliding pins to easily eject plugs from hole saws.

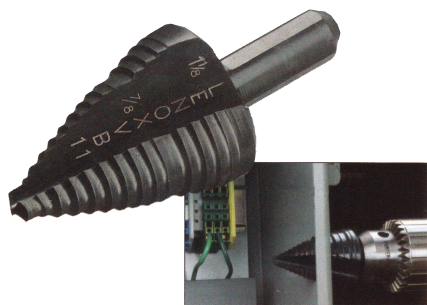
Easy to Use: Power groove shank allows arbors to be used in LENOX® Uni-Drive Quick Change System. No tool changes requires. (3L, 5L, 6L, and 7L).



Accessories

Product Number	Description	Chuck Size (in.)	Fits Arbor Number
LNx-1779810	3-1/4" Pilot Drill (1/pk)	1/4	2L, 3L, 4L, 5L, 6L or 7L
LNx-1779771	4-1/4" Pilot Drill (1/pk)	1/4	1L or 4L
LNx-30297	(123CT) Carbide Tipped Pilot Drill (1/pk)	1/4	1L, 2L or 4L
LNx-30298	(65CTPD) Carbide Tipped Pilot Drill (1/pk)	1/4	2L, 3L, 5L, 6L or 7L
LNx-30857	(AA1) Arbor Adaptor (1/pk)	—	1L, 4L or 5L
LNx-30848	(18X) 18" Extension (1/pk)	1/2 & Larger	1L, 2L or 3L
LNx-30847	(12X) 12" Extension (1/pk)	1/2 & Larger	1L, 2L or 3L
LNx-30843	(10X*) 10" Extension (1/pk)	3/8 & Larger	5L, 6L or 7L
LNx-30846	(55X) 5-1/2" Extension (1/pk)	1/2 & Larger	1L, 2L or 3L

*Fits arbored hole saws



U.S. PATENT NO. 4582458

VARI-BIT® Step Drill Bits

Drills Fast, Clean, Round Holes



(1 per pack)

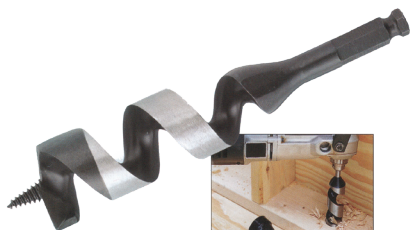
Prod # (Descrip)	Hole Sizes (in.)	Chuck Size (in.)	Unibit®
LNX-30881 (VB1)	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	1/4	1
LNX-30882 (VB2)	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	3/8	20
LNX-30883 (VB3)	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	3/8	3
LNX-30884 (VB4)	3/16, 1/4, 5/16, 3/8, 7/16, 1/2	1/4	2
LNX-30886 (VB6)	3/8, 1/2	1/4	10, 12*
LNX-30887 (VB7)	7/8 (for 1/2" conduit)	3/8	11
LNX-30908 (VB8)	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3/8	4
LNX-30909 (VB9)	7/8, 1-1/8, 1-7/32	3/8	11, 13, 14
LNX-30888 (VB11)	7/8, 1-1/8 (for 1/2" and 3/4" conduit)	3/8	13**
LNX-30912 (VB12)	7/8, 1-1/8, 1-7/32, 1-1/4, 1-3/8	3/8	none
LNX-30925 (VBX8)	Extension 8". Fits 3/8" drill chuck & larger. 1 per clam.		

Features:

Accurate, Burr-free Holes: Patented two flute design cuts fast, clean, round holes.

Starts on Contact: Split point pilot drill for faster penetration and less walking.

Long Tool Life: Steam oxide coating adds durability. Enhanced flute design removes chips rapidly, ensuring longer tool life.



Features:

Added Durability: 62° degree cutting angle reinforces cutting edge for greater durability to withstand the impact of encountering a nail.

Strong Forged Design: Manufactured using a forging process which will withstand more torque than competitive milled augers.

Easy to Back Out: Oversized cutting head creates a hole larger than the bit for easy removal from the work piece.

Longer Life: Hardened tip increases wear resistance for extended tool life.

Ship Auger Bits

Sharp and Durable for Long Tool Life

(1 per pack)



Product # (Descrip)	Hole Diam. (in.)	Overall Length (in.)	Twist Length (in.)
LNX-14539	3/8	18	15
LNX-14540	7/16	18	15
LNX-14541	1/2	18	15
LNX-14542	9/16	18	15
LNX-14543	5/8	18	15
LNX-14544	11/16	18	15
LNX-14545	3/4	18	15
LNX-14546	13/16	18	15
LNX-14547	7/8	18	15
LNX-14548	15/16	18	15
LNX-14549	1	18	15
LNX-14550	1-1/16	18	15
LNX-14551	1-1/8	18	15
LNX-14552	1-1/4	18	15
LNX-14553	1-3/8	18	15
LNX-14554	1-1/2	18	15

7/16" chuck size

(1 per pack)



Product # (Descrip)	Hole Diam. (in.)	Overall Length (in.)	Twist Length (in.)
LNX-31006*	3/8	18	15
LNX-80716*	7/16	18	15
LNX-80816	1/2	18	15
LNX-81016	5/8	18	15
LNX-81216	3/4	18	15
LNX-31015	15/16	18	15

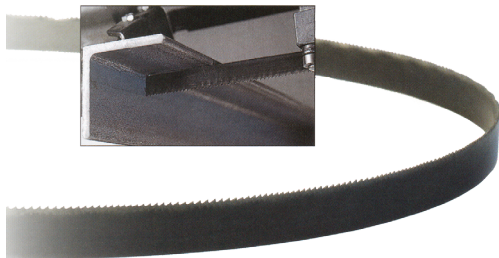
*3/8" chuck size - all others 1/2" chuck size

(1 per pack)



Product # (Descrip)	Hole Diam. (in.)	Overall Length (in.)	Twist Length (in.)
LNX-31030	5/8	7-1/2	5-5/16
LNX-31032	3/4	7-1/2	5-5/16
LNX-31034	7/8	7-1/2	5-5/16
LNX-31035	15/16	7-1/2	5-5/16

1/2" chuck size



Portable Band Saw Blades

WOLF-BAND® Blades (5 per pack)

Professional Performance and Exceptional Value

Prod # (Description)	TPI	Length x Width x Thickness (in.)	Application
LNK-80107 (38PW14)	14	44-7/8 x 1/2 x .020	3/16"-3/8"
LNK-80108 (38PW18)	18	44-7/8 x 1/2 x .020	3/32"-1/4"
LNK-80109 (38PW24)	24	44-7/8 x 1/2 x .020	up to 1/8"
LNK-80117 (38EW24)	24	44-7/8 x 1/2 x .023	up to 1/8"

Features:

Long Lasting: High speed steel teeth provide a strong, long lasting cutting edge.

Shatter Resistant: Bi-metal blades bend and resist breaking and extend blade life.

Exceptional Value: Professional performance and competitive pricing provide extraordinary cost-per-cut value.

Tubing Cutters

Ergonomically Designed for Professional Performance

Features:

Won't Walk While Cutting: Four roller tracking system keeps tube from threading

Professional Deburring: Cleanly and easily deburr pipes with the replaceable machinist's reamer

Will Not Damage Cutting Wheels: Full-stop feed system prevents wheels and rollers from coming into contact

Easy To Use: Change out wheels with only a screwdriver

Convenient Storage: Store an extra cutting wheel in the handle



LNK-21011

PROTOOL LUBE®

Extends Tool Life

Product No.	Description
LNK-68040	6 oz. PROTOOL LUBE® (12/pk)

Use this product as it comes from the container—do not mix with water. Material Safety Data Sheets (MSDS) available upon request.

Features:

Unique Synthetic Blend Designed to Increase Tool Life: When cutting, milling, reaming, tapping and drilling metal, wood and plastics.

Shortens Cutting Time by up to 50%: Provides smoother, cleaner cutting and dramatically longer blade life.

Reduces Heat and Friction: Water-soluble, so it cleans up with water. Biodegradable and non-toxic, too.



Product Number	Description	Tube Diam. Range (in.)	#Wheels
LNK-21010	1-1/8 Copper Cutting	1/8-1-1/8	2
LNK-21011	1-3/8 Copper Cutting	1/8-1-3/8	2



LNK-21010

LENOX® Gold™ Utility Knives & Blades



Locking Tradesman Utility Knife Works BIG. Folds SMALL

Prod No.	Description
LNX-10771	Locking Tradesman Utility Knife

Features:

- Easy Open & Close:** Secure locking mechanism
- Comfort Grip:** Ergonomic rubberized grip
- Multi-Use Tool:** Bottle opener, screwdriver and pipe reamer
- Built-In wire Stripper**

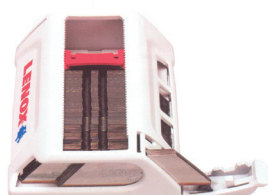


Retractable Utility Knife Durable Construction and Comfortable Grip for Extended Use

Prod No.	Description
LNX-20353	SSRK1 Retractable Knife with 3 blades

Knife Features:

- Extremely Durable Stainless Steel Nose:** Resists wear. One piece titanium-coated nose eliminates spreading.
- Longest Lasting Utility Blades:** Three shatter resistant titanium edge blades included.
- Easy Blade Change:** Quick blade release allows rotation or changing of blade without opening handle or using any tools.
- No Tool Needed to Open**
- Internal Blade Storage:** Retractable knife stores up to five blades.



LENOX® Gold™ Blades The Longest Lasting Utility Blade. EVER.

Product No.	Description
LNX-20350	GOLD5C Utility Blade 5 Pack
LNX-20351	GOLD50D Utility Blade 50 Pack Dispenser
LNX-20352	GOLD100D Utility Blade 100 Pack Dispenser

Blade Features:

- Lasts Longer:** High speed steel edge with titanium coating keeps blades cutting after others have quit.
- Shatter Resistant:** Patented bi-metal construction allows blades to bend and flex without breaking.
- Makes Deeper Cuts:** Four notch system allows blade to extend further.
- Cuts the Toughest Materials:** Great for cutting drywall, insulation, flooring, roofing and more.
- Fits All Standard Utility Knives**

Dispenser Features:

- Easy to Use:** Dispense blades directly into LENOX® knives without touching the blade.
- Dispenses One or Five Blades at a Time**
- Multi-Purpose:** Safety holds used blades.



Features:

- Comfortable Grip:** Ergonomic design and larger space fit gloved hands.
- Convenient Storage:** Handle holds up to five 12" hacksaw blades for quick change outs.
- Multi-Purpose:** Mount at 45° for flush cutting, insert standard recip blade to use as a jab saw.
- Fast, Straight Cuts:** Tensions up to 30,000 PSI.



Hacksaw Frames

Product No.	Description
LNK-12132	HT50 High tension metal cutting frame
LNK-20920	5012 Low profile high tension metalcutting frame in tight spots



Blade Features:

- Shatter Resistant:** Bi-metal construction allows blades to bend and flex without breaking.
- Longer Life:** TUFF TOOTH™ design eliminates tooth strippage.

Bi-metal Hacksaw Blades

Product No. (Descrip) 10/pk	TPI	Length x Width (in.)
LNK-20143 (V214HE)	14	12 x 1/2
LNK-20144 (V218HE)	18	12 x 1/2
LNK-20145 (V22HE)	24	12 x 1/2
LNK-20146 (V232HE)	32	12 x 1/2

CLOSE QUARTER® Saw

(Blades—10 per pack)



Product No.	Description
LNK-20908	908 CLOSE QUARTER® Saw
LNK-20906	906 Replacement blades for CLOSE QUARTER® SAW 6" X 1/4" X .014 X 32T
LNK-20975	975 Compact Hacksaw

Features:

- Rugged Design:** Heavy-duty aluminum handle
- Fits into Tight Spots:** Allows for flush cutting applications

Features:

- Replaceable Blades:** Uses any standard reciprocating saw blade.
- Rugged Design:** Heavy-duty aluminum handle has a comfortable hand grip.
- Multi-Purpose:** Push button design locks blade into three different positions for multiple cutting applications.



TRI-FOLD® Saw

Product No.	Description	Applications
LNK-20997	TFHS618636 TRI-FOLD® Saw	Wood, Drywall & Non-Metallic



TE03987P



TE03907

Techni Edge® Knives and Blades

Product No.	Description	#/Pack
TE03987P	Utility Knife - Hi-Viz colors	~
TE03907	Roofers Knife (<i>non-retractable</i>)	~
TE03011	Replacement Utility Knife Blades - Bulk	100
TE03012	Utility Knife Blades in Dispenser Pack	100
TE03014	Replacement Utility Knife Blades	10
TE03123	Replacement Hook Blades	5
TE03931	Mini Utility Knife	~
TE03043	Replacement Mini Knife Blades	5
TE05091	Single Edge Razor Blades	100
TE01070	Snap Blade Knife	~
TE01772	Replacement Snap Blades	10



TE03043

TE03931



TE01070



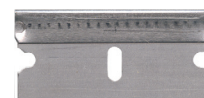
TE03012



TE03011



TE03123



TE05091



TE05503



TE05401

Techni Edge® Scrapers & Blades

Product No.	Description
TE05401	Window Scraper (<i>uses utility knife blades</i>)
TE05503	Retractable Safety Glass Scraper (<i>uses single edge razor blades</i>)
TE14012	4" Wall Scraper w/12" Handle
TE14043	4" Replacement Blade
TE14088	8" Scraper with 6 ft Telescoping Handle
TE14084	8" Replacement Blade



TE14012



TE14088



MagSnips™ Offset Replaceable Blade Snips

Product Number	Direction	Cut Length
PM2210 (Red Handle)	Cuts Left	2-3/4"
PM2110 (Green Handle)	Cuts Right	2-3/4"
PM2210R	Replacement Blade Kit (Left)	
PM2110R	Replacement Blade Kit (Right)	



P657-N

Knifti-Cut™ Shop Electrician Shear/Utility Snips

Product No.	Length	Cut Length
P657-N	7-1/2"	2"

Kush-n-Kote All Purpose Forged Tinner Snips

Product Number	Length	Cut Length
P127-D Duckbill	12"	3"



P127-D

PM2110R
Green



PM2210R
Red

Forged Blade Aviation Snips

Product No.	Length	Cut Length
P6716-S <i>Cuts Straight</i>	9-3/4"	1-1/2"
P6716-L <i>Cuts Left</i>	9-3/4"	1-3/8"
P6716-R <i>Cuts Right</i>	9-3/4"	1-3/8"
P6510-S <i>Offset - Cuts Straight</i>	9-3/4"	1-1/2"
P6510-L <i>Offset - Cuts Left</i>	8-3/4"	1-1/4"
P6510-R <i>Offset - Cuts Right</i>	8-3/4"	1-1/4"



P6716-S

P6716-L

P6716-R



P6510-S

P6510-L

P6510-R

Tools





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Magnetic Screw Driver Handle with Storage

Part Number	Size	Overall Length
VMBS75	1/4"	8"
VMBS11	1/4"	11"



Quick Change Screw Driver Handle

Part Number	Size	Overall Length
VQMBS58	1/4"	8-1/8"



Insulated Bit Holder Screwdriver

Part Number	Size	Overall Length
FELO50785	1/4"	10-3/4"



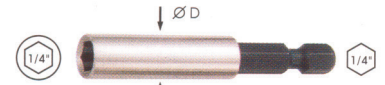
All-In-One ScrewDrivers

Part Number	Description	Combo Bits
LNx-23931	Lenox 6-1 Screwdriver	Phillips - #1 & #2 Slotted - 3/16" & 1/4" Hex - 1/4" & 5/16"
LNx-23932	Lenox 9-1 Screwdriver	Phillips - #1 & #2 Slotted - 3/16" & 1/4" Hex - 1/4", 5/16" & 3/8" Sq Dr - #2 & #3



Bit Holders

Magnetic Bit Holder 2 Piece Construction



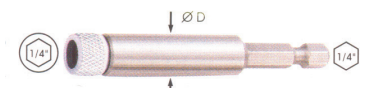
Part Number	Overall Length	ø D ["]
PB-BHM25262	2-5/8"	1/4"

Magnetic Bit Holder 1 Piece Stainless Steel Construction



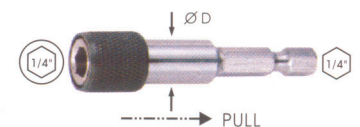
Part Number	Overall Length	ø D ["]
PB-BHMR252125	2-1/8"	1/4"
PB-BHMR25300	3"	1/4"
PB-BHMR25600	6"	1/4"
PB-BHMR25800	8"	1/4"
PB-BHMR25910	10"	1/4"

Magnetic Screw Cap Bit Holder w/Rubber O-Ring



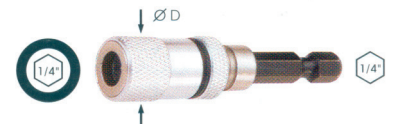
Part Number	Overall Length	ø D ["]
PB-BHMC252375	2-3/8"	0.4333"
PB-BHMC25300	3"	0.4333"

Quick Release 1 Piece Bit Holder



Part Number	Overall Length	ø D ["]
PB-BHQR252375	2"	0.4333"
PB-BHQR25300	3"	0.4333"

Bit Holder with Magnetic Screwcap



Part Number	Overall Length	ø D ["]
PB-BHMC25238	2-3/8"	0.551

Phillips Bits



1/4" Insert Bits

Part Number	Point Size	Overall Length
IB-P2100	0	1"
IB-P1100	1	1"
IB-P2100	2	1"
IB-P3100	3	1"
IB-P4100	4	1"
IB-P2100RED	2 REDUCED	1"
PB-P1200	1	2"
PB-P2200	2	2"
PB-P3200	3	2"
PB-P1275	1	2-3/4"
PB-P2275	2	2-3/4"
PB-P3275	3	2-3/4"
PB-P1350	1	3-1/2"
PB-P2350	2	3-1/2"
PB-P3350	3	3-1/2"
PB-P1600	1	6"
PB-P2600	2	6"
PB-P3600	3	6"



1/4" Drywall Indenter - Insert Bit

Part Number	Point Size	Overall Length
IB-P2100DI	2	1"



Phillips Tamper Resistant Bits 1/4" Hex

Part Number	Point Size	Overall Length
IB-PT2100	2	1"
IB-PT3100	3	1"



Slotted Bits



1/4" Slotted Bit Finder

Part Number	Screw Size	Overall Length
PB-BFS0608375	6F-8R	3-3/4"
PB-BFS0810375	8F-10R	3-3/4"
PB-BFS14164113	14F-16R	3-3/4"



Slotted Bits



1/4" Slotted Insert Bits

Part Number	Screw Size	Overall Length
IB-S04100	3-4	1"
IB-S05100	5-6	1"
IB-S06100	6-8	1"
IB-S10100	10	1"
IB-S12100	12	1"
IB-S14100	14	1"
IB-S1416150	No. 14-16	1-1/2"
PB-S23200	2-3	2"
PB-S34200	3-4	2"
PB-S45200	4-5	2"
PB-S56200	5-6	2"
PB-S67200	6-8	2"
PB-S810200	8-10	2"
PB-S91214200	10-12	2"
PB-S1416300	14-16	3"



Socket Head Bits



1/4" Insert Bits

Part Number	Size A"	Overall Length
IB-H08100	5/64	1"
IB-H09100	3/32	1"
IB-H11100	7/64	1"
IB-H13100	1/8	1"
IB-H14100	9/64	1"
IB-H16100	5/32	1"
IB-H19100	3/16	1"
IB-H22100	7/32	1"
IB-H25100	1/4	1"
IB-H31100	5/16	1"
PB-H09200	3/32	2"
PB-H13200	1/8	2"
PB-H14200	9/64	2"
PB-H16200	5/32	2"
PB-H19200	3/16	2"
PB-H22200	7/32	2"
PB-H25200	1/4	2"



1/4" Hex Tamper Resistant Insert Bits

Part Number	Size A"	Overall Length
IB-HT08100	5/64	1"
IB-HT09100	3/32	1"
IB-HT11100	7/64	1"
IB-HT13100	1/8	1"
IB-HT14100	9/64	1"
IB-HT16100	5/32	1"
IB-HT19100	3/16	1"
IB-HT22100	7/32	1"
IB-HT25100	1/4	1"



TORX® Bits

1/4" Insert Bits

Part Number	Point Size	Overall Length
IB-T10100	10	1"
IB-T15100	15	1"
IB-T20100	20	1"
IB-T25100	25	1"
IB-T27100	27	1"
IB-T30100	30	1"
IB-T40100	40	1"



1/4" Tamper Resistant Insert Bits

Part Number	Point Size	Overall Length
IB-TT06100	6	1"
IB-TT07100	7	1"
IB-TT08100	8	1"
IB-TT09100	9	1"
IB-TT10100	10	1"
IB-TT15100	15	1"
IB-TT20100	20	1"
IB-TT25100	25	1"
IB-TT27100	27	1"
IB-TT30100	30	1"
IB-TT40100	40	1"
IB-TT45100	45	1"



5/16" Impact Bits

Part Number	Point Size	Overall Length
IB-T30125	30	1-1/4"
IB-T40125	40	1-1/4"
IB-T45125	45	1-1/4"
IB-T50125	50	1-1/4"
IB-T55125	55	1-1/4"



Square Bits



1/4" Insert Bits

Part Number	Point Size	Overall Length
IB-R0100	0	1"
IB-R1100	1	1"
IB-R2100	2	1"
IB-R3100	3	1"
IB-R4100	4	1"
PB-R0200	0	2"
PB-R1200	1	2"
PB-R2200	2	2"
PB-R3200	3	2"
PB-R1275	1	2-3/4"
PB-R2275	2	2-3/4"
PB-R3275	3	2-3/4"
PB-R1350	1	3-1/2"
PB-R2350	2	3-1/2"
PB-R3350	3	3-1/2"
PB-S1600	1	6"
PB-S2600	2	6"
PB-R3600	3	6"
PB-R2912	2	12"



Spanner Bits



1/4" Insert Bits

Part Number	Point Size	Overall Length
IB-SP04100	4	1"
IB-SP06100	6	1"
IB-SP08100	8	1"
IB-SP10100	10	1"
IB-SP12100	12	1"
IB-SP14100	14	1"



5/16" Insert Bits

Part Number	Point Size	Overall Length
IB-SP04150	4	1"
IB-SP08150	8	1"

Adapters for Hex Drive Shank

1/4" - 1/4" Ball Type

Part Number	Hex Size	Overall Length	MALE SQUARE
IB-SABL25100	1/4"	1"	1/4"



1/4" - 1/4" Ball Type

Part Number	Hex Size	Overall Length	MALE SQUARE
PB-SABL25200	1/4"	2"	1/4"
PB-SABL25300	1/4"	3"	1/4"
PB-SABL25400	1/4"	4"	1/4"



1/4" - 1/4" Pin Type

Part Number	Hex Size	Overall Length	MALE SQUARE
PB-SAPL25200	1/4"	2"	1/4"
PB-SAPL25400	1/4"	4"	1/4"
PB-SAPL25600	1/4"	6"	1/4"



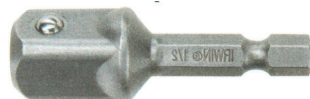
3/8" - 1/4" Ball Type

Part Number	Hex Size	Overall Length	MALE SQUARE
PB-SABL38200	1/4"	2"	3/8"
PB-SABL38300	1/4"	3"	3/8"
PB-SABL38600	1/4"	6"	3/8"



1/2" - 1/4" Ball Type

Part Number	Hex Size	Overall Length	MALE SQUARE
IRW-93795	1/4"	3"	1/2"



Nut Setters



Magnetic Nutsetter

Part Number	Point Size	Overall Length
PB-NSM25175	1/4"	1-3/4"
PB-NSM31175	5/16"	1-3/4"
PB-NSM38175	3/8"	1-3/4"
PB-NSM44175	7/16"	1-3/4"
PBNSM50175	1/2"	1-3/4"
PB-NSM192963	3/16"	2-9/16"
PB-NSM25256L (Lobular)	1/4"	2-9/16"
PB-NSM31256L (Lobular)	5/16"	2-9/16"
PB-NSM38256	3/8"	2-9/16"
PB-NSM38256L (Lobular)	3/8"	2-9/16"
PB-NSM44256L (Lobular)	7/16"	2-9/16"
PB-NSM50256	1/2"	2-9/16"
PB-NSM56256	9/16"	2-9/16"
PB-NSM38400	3/8"	4"
PB-NSM25600	1/4"	6"
PB-NSM31600	5/16"	6"
PB-NSM38600	3/8"	6"
PB-NSM25912	1/4"	12"
PB-NSM31912	5/16"	12"
PB-NSM38912	3/8"	12"



Eye Lag Driver - 1/4" Hex Drive

Part Number	Point Size	Overall Length
PB-EL442688	7/16"	2-11/16"



1/4" Square Drive Sockets

Part Number	Hex Size	Length
PB-STM3519 (Tapered)	3/16	7/8"
PB-STM2525 (Tapered)	1/4	7/8"
PB-STM2531 (Tapered)	5/16	7/8"
PB-SSM2538 (Straight)	3/8	7/8"
PB-SSM2544 (Straight)	7/16	7/8"
PB-SSM2550 (Straight)	1/2	7/8"



Tapered Style - T



Straight Style - S

IB-31KIT Insert Bit Set Standard

Bit Type	Size	#/Kit
Phillips	0, 1, 2, 2R, 3	5
TORX®	10, 15, 20, 25, 27, 30, 40	7
Slotted	3-4, 4-5, 6-8, 8-10, 10-12	5
Hex	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16	10
Square	1, 2, 3	3
Socket	1/4 X 1/4	1
Quick Bit Release Holder		1



NEW!

IB-100KIT



100 Piece Master Screwdriver Bit Set Includes

- Wide Range of Tip Styles
- Bit Driver Accessories
- Compact/Durable Case

IB-31TKIT Insert Bit Set Tamperproof



Bit Type	Size	#/Kit
Phillips Tamper	2, 3	2
TORX® Tamper	5, 6, 7, 8, 9, 10, 15, 20, 25, 27, 30, 40	12
Hex Tamper	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16	10
Spanner	4, 6, 8, 10, 12, 14	6
Socket Adapter	1/4 X 1/4	1
Quick Bit Release Holder		1



IB-33KIT Insert Bit Set Standard with Sockets

Bit Type	Size	#/Kit
Phillips	1, 2, 3	3
TORX®	10, 15, 20, 25, 27, 30, 40	6
Slotted	4-5, 5-6, 6-8, 8-10, 10-12	5
Hex	5/64, 3/32, 1/8, 9/64, 5/32, 3/16	6
Square	1, 2, 3	3
1/4" Square X 1/4" Hex Adapter		1
Socket	3/16, 7/32, 1/4, 9/32, 5/16, 3/8, 7/16, 1/2	8
1 Pc Quick Release Bit Holder		1



IB-50TKIT Insert Bit Set Tamperproof

Bit Type	Size	#/Kit
Phillips	1, 2, 2R, 3 (ACR)	4
TORX® Tamper	5, 6, 7, 8, 9, 10, 15, 20, 25, 27, 30, 40	12
Hex Tamper	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16	11
Tri-Wing	2, 3, 4, 5	4
TorQ-Set	4, 6, 8, 10	4
Spanner	6, 8, 10, 12	4
Spline	4, 5, 6, 8	4
Clutch	5/32, 3/16, 1/4	3
Phillips Sq Drive	PSD2-2	1
Socket Adapter	1/4 x 1/4	1
Quick Bit Release Holder		1

IB-50KIT Insert Bit Set Standard



Bit Type	Size	#/Kit
Phillips	0, 1, 2, 3	4
Phillips	0, 1, 2, 3 (ACR)	4
PoziDrive	0, 1, 2, 3	4
TORX®	5, 6, 7, 8, 9, 10, 15, 20, 25, 27, 30, 40	12
Slotted	3-4, 4-5, 5-6, 6-8, 8-10, 10-12, 12-14, 14-16	8
Hex	1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16	11
Square	0, 1, 2, 3	4
Socket	1/4 X 1/4	1
Quick Bit Release Holder		1



Series 500 frico Heavy Duty Screwdrivers

Features:

- Ergonomically refined design
- Smooth, seamless handles for maximum comfort
- Impact proof handle core
- Pleasant soft-grip outer material for highest torque
- Black tip for precision fit
- Steelcap
- Full length hexagon blade with hexagon bolster



FELO50707

5 Piece Heavy Duty
Screwdriver Set

Set Contains - 1 each:

550 Flat Blade

3/16" x 3-1/2", 7/32" x 4", 1/4" x 5"

552 Phillips

1" x 3-1/2", 2" x 4"

FELO22099



FELO50703



Flat Blade	Size	Phillips	Size
FELO22099	7/32" x 1 Stubby	FELO22110	#2 x 1" Stubby
FELO50699	3/16" x 3-1/2"	FELO50703	#1 x 3-1/2"
FELO32354	7/32" x 3-1/2"	FELO32368	#2 x 4"
FELO32356	1/4" x 5"	FELO32370	#3 x 6"
FELO32358	5/16" x 6"		
FELO50701	23/64" x 6-1/2"		
FELO32360	3/8" x 7"		
FELO32362	1/2" x 8"		



Precision Screwdrivers

F9-FELO31844

6 Piece Precision Screwdriver Set

Set Contains - 1 each:

240: 4 x 1 Flat Blade

1/16" x 2-3/8", 5/64" x 2-3/8",

3/32" x 2-3/8", 1/8" x 2-3/8"

242: 2 x 1 Phillips

00 x 2-3/8", 0 x 2-3/8"

Series 400 Ergonic Screwdrivers

Features:

- Smooth, seamless handles for maximum comfort
- Ergonic - Molds to user's hand
- Hand and handle interlock causing less strain & worker fatigue
- Impact proof handle core
- Superior hardness exceeds DIN and ISO requirements by up to 100%
- Black tip for precision fit
- Hanging hole for easy storage or inserting lever
- Anti-roll handle design
- GS tested for safety



FELO53167

6 Piece Ergonic Screwdriver Set

Set Contains - 1 each:

400 Flat Blade

1/8" x 3-1/8",

410 Slotted

5/32" x 3", 7/32" x 4", 1/4" x 5"

412 Phillips

1" x 3-1/8", 2" x 4"

Flat Blade	Size	Phillips	Size
FELO53117	1/8" x 3-1/8"	FELO52795	#1 x 3-1/8"
FELO53119	9/64" x 4"	FELO32368	#2 x 4"
FELO53121	5/32" x 3"	FELO53131	#3 x 6"
FELO52785	7/32" x 4"		
FELO52787	1/4" x 5"		
FELO52789	5/16" x 6"		
FELO53125	3/8" x 7"		
FELO53127	1/2" x 8"		

Insulated Screwdrivers (Up to 1000 Volts)

FELO51401

7 Piece Profi Insulated
Screwdriver Set

Set Contains - 1 each:

613 Flat Blade

3/32" x 3", 1/8" x 4", 9/64" x 4",

5/32" x 4", 7/32" x 5"

552 Phillips

1" x 3-1/8", 2" x 4"



Specialty



FELO31078

490 Awl

2-3/8" x 2-3/8"



FELO24022

498 Reamer

4" x 3-1/8"

FELO23013
494 Tack Lifter
4" x 3-1/8"



GorillaGrip® FoldUp Tools



Features:

- Stronger, more comfortable handles
- Patented Flutes allow for easy selection
- Blades accessed from both top and bottom
- Turn & Flip Feature eliminates constant removal and repositioning in screw head
- Speed Wrench Feature: 90° stop converts tool into a non-stop, time-saving speed wrench



BON12585

5 Piece Set with
Balldriver Tip

Set Contains - 1 each:

3/16", 7/32", 1/4", 5/16", 3/8"



BON12589

9 Piece Set with
Hex Tip

Set Contains - 1 each:

5/64", 3/32", 7/64", 1/8", 9/64",
5/32", 3/16", 7/32", 1/4"

GorillaGrip® Hex L Wrench Sets

Features:

- Chamfered tips for fast insertion and full tool engagement in screw head
- Twist-to-Lock case keeps keys organized by size
- Sizes are printed on the case for ease of locating tools



BON14187

16 Piece Metric Hex L Wrench Set

Set Contains - 1 each:

Hex L Wrenches 1.5, 2, 2.5, 3, 4, 5, 6,
8, 10 mm and 7 Piece FoldUp



BON10936 (Not Shown)

12 Piece Ballpoint Hex L Wrench Set

Set Contains - 1 each:

Hex L Wrenches 0.50, 1/16, 5/64, 3/32",
7/64", 1/8", 9/64", 5/32", 3/16", 7/32",
1/4" & 5/16"



BON10937

13 Piece Hex L Wrench Set

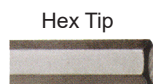
Set Contains - 1 each:

Hex L Wrenches 0.50, 1/16,
5/64, 3/32", 7/64", 1/8", 9/64",
5/32", 3/16", 7/32", 1/4", 5/16",
3/8"

T-Handle Tools

Features:

- Heavy duty handle generates a flywheel effect for super fast insertion or removal of screws
- Handle is shaped for comfort and control
- Cushioned feel reduces fatigue
- Handle sizes are engineered to match blade torque capabilities
- Straight Hex tips to prevent breakage



BON15290

6 Piece Hex Tip Set with Stand

Set Contains - 1 each Hex Tip:

3/32", 7/64", 1/8", 9/64", 5/32",
3/16", 7/32", 1/4", 5/16", 3/8"
and Stand





Long Nose Locking Pliers

Part Number	Description	Size	Jaw Adjustment
IRW-VG6LN	Original Handle	6"	0" - 2"



Curved Jaw Locking Pliers

Part Number	Description	Size	Jaw Adjustment
IRW-VG7CR	Original Handle	7"	0" - 1 1/2"
IRW-VG10CR	Original Handle	10"	0" - 1 7/8"
IRW-VG10WR	Fast-Release™ Handle	10"	0" - 1-7/8"



Locking C-Clamps with Regular Tips

Part Number	Description	Size	Jaw Adjustment	Throat Depth
IRW-VG11R	Original Handle	11"	0" - 3 3/8"	2-5/8"
IRW-VG18R	Original Handle	18"	0" - 8"	9-1/2"

IRW-VGLP8



IRW-VGDIA7



IRW-VGLN6

Pliers

Part Number	Description	Size	Jaw Length	Jaw Thickness
IRW-VGLP8	Lineman's	8"	1-15/32"	9/16"
IRW-VGLN6	Long Nose	6"	1-25/32"	7/16"
IRW-VGLN8	Long Nose	8"	2-5/16"	15/32"
IRW-VGDIA7	Diagonal Cutting	7"	13/16"	1-5/32"



IRW-VGGV10

GrooveLock Pliers

Part Number	Description	Size	Jaw Capacity	# of Grooves
IRW-VGGV10	Quick Adjusting	10"	2 1/4"	16
IRW-VGGV12	Quick Adjusting	12"	2 3/4"	19



Adjustable Wrench

Part Number	Description	Size	Jaw Length
IRW-VGAW8	Wide Jaw Capacity	8"	1-1/8"

HAMMERS

Straight “RIP” Claw

Straight or “RIP” Claw hammers are extremely versatile. This claw style is usually found on heavy-duty framing hammers. By inserting it as a wedge between two pieces of wood, they are great at prying apart 2 x 4's, as well as stripping apart drywall, plywood and siding in a pry-bar like fashion. MADE IN USA.

Part Number	Description	Size	Handle
VFS999ML	Milled Face RIP Hammer	20 oz	Fiberglass
VFS99	Straight RIP Hammer	16 oz	Fiberglass
V99	Professional RIP Hammer	16 oz	Hickory
K808-16	Heavy Duty RIP Hammer	16 oz	Wood with Neoprene Grip
VR99	Solid Steel RIP Hammer	16 oz	Solid Steel



V99



VR99

VFS999ML

VFS99



K808-16



Ball Pein Hammer

Part Number	Size	Handle
VFS224	24 oz	Fiberglass



Tinnerns Riveting Hammer

Part Number	Size	Handle
VTR16F	16 oz	Fiberglass



Hand Drilling Hammer

Part Number	Size	Handle
VHD3	3 Lb	Hickory

Soft Face Hammer

Part Number	Size	Handle
VFS12	12 oz	Hickory



Supersteel Blacksmith Hammer

Part Number	Size	Handle
VS40	40 oz	Hickory



Mallets

Part Number	Description	Handle
T49063	16 oz. Rubber Mallet	Hardwood
VRM2B	20 oz Black Rubber Mallet	12" Hardwood
VPM200	2" White Plastic Mallet	12" Hardwood

Sledge Hammers

Part Number	Description	Handle
VSS6	6 Lb Sledge Hammer	Hardwood
VSS8	8 Lb Sledge Hanner	Hardwood



CrowBars

Part Number	Description
VB215	15" Super Bar CrowBar
VB215L	21" Super Bar CrowBar
VBC10	10-1/2" Bear Claw CrowBar
VBC12	11-3/4" Bear Claw CrowBar
VMLB	10" Molding Lifting Bar
VRB18L	24" Ripping Bar

Insulation Knife



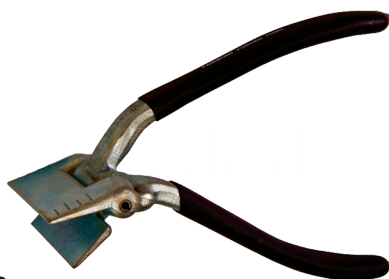
Part Number	Description	Blade
MK46000	7-1/2" Long Cut® Insulation Knife	3-5/8" High Carbon Spring Steel

Seam Tester



Part Number	Description	Handle
MM21060	Standard Convertible Seam Tester with 5" plated steel shaft	5-3/4" Plastic with Bolster

Fairmont Tongs



Part Number	Description	Length	Handle
MT14030	Fairmont Ronged and Plated Tongs with Bending Dept Marks on 3" Wide Jaws	9-1/2"	Cushion Grip Offset Handles

Membrane Slitter



Part Number	Description	Size	Dia.
MM21110	Stand-Up Membrane Slitter with Yellow Pointer - Cuts Straight or Curved Lines	32" High	4" dia x 1" wide wheels



MR05020



MR05029

MR13110



MR13500



Seam Rollers

Part Number	Description	Size	Handle
MR05020	Silicone Seam Roller	1-7/16"dia x 1-34"w	5" Wood
MR05029	Ergonomic Silicone Seam Roller	1-7/16"dia x 1-3/4"w	5" Soft-Grip Plastic
MR02090	Steel Convertible Seam Roller	2"dia x 4"w	5" Soft-Grip Plastic
MR12860	Nylon Cone Roller	1-3/8"dia x 4-1/8"w	5" Wood
MR13110	Brass Detail Roller	1-1/8"dia x .196"w	5" Wood
MR13500	Aluminum "V" Roller	2"dia x 1/2"w	5" Wood



MR02090



MR12860

NOTES

Powder Actuated Tools





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GENERAL PURPOSEPAT

Features:

- Highly reliable design with low maintenance
- Professional Grade
- Semi-automatic and fast cycling.
- Engineered for continuous use, high reliability and low maintenance.



Key Fastening Applications:

- Acoustical Ceilings
- Electrical Applications
- Framing Works
- Drywall Track
- Water Proofing Material and/or Lathing

PT27

Specifications:

- Fastener Length: 1/2" - 2-1/2" (3" or 4" washered)
- Fastener Type: .300 inch or 8mm Headed Fasteners or 1/4-20 Threaded Studs
- Firing Action: Semi Automatic
- Load Caliber: .27 Strip Loads, Brown - Red (Levels 2-5)
- Length: 13-1/2"
- Weight: 5 lbs., 4 oz.



Tool is sold in tool box complete with

- Operator's Manual
- Spall Suppressor
- Tools for Disassembly
- Safety Glasses
- Ear Plugs
- Tool Lubricant
- Cleaning Brushes
- Operator's Exam
- Caution Sign



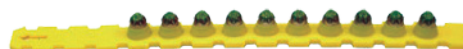
POWDER LOADS



P22AC1

.22 Caliber "A" Crimp Loads — Single Shot

Description	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
.22 Cal. - Gray (Level 1)	P22AC1	100	10,000	PT22A PT-22GS PT22HA PT22P	721, U-2000 DX-37E, DX-72E, 4170 and model 70, System 3 and most low-velocity single shot tools
.22 Cal. - Brown (Level 2)	P22AC2	100	10,000		
.22 Cal. - Green (Level 3)	P22AC3	100	10,000		
.22 Cal. - Yellow (Level 4)	P22AC4	100	10,000		



P27SL

.25 & .27 Caliber Plastic 10-Shot Strip Loads

Description	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
.27 Cal. - Brown (Level 2)	P27SL2	100	10,000	PTP-27L PTP-27MAGR PTP-27S PTP-27SMGR PT-27	DX-350, DX-351, DX-36, DX-A40 (except PT27SL2), DX-A41 (except PT27SL2 and PT27SL3), DX460, System 1H, P-36B, A-40BH, A-41B, Cobra and most 0.27-caliber clone tools
.27 Cal. - Green (Level 3)	P27SL3	100	10,000		
.27 Cal. - Yellow (Level 4)	P27SL4	100	10,000		
.27 Cal. - Red (Level 5)	P27SL5	100	10,000		
.27 Cal. - Purple (Level 6)	P27SL6	100	10,000		DX-450, DX-451, DX-A41

.27 Caliber Single Shot Loads — Long

Description	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools
.27 Cal. - Yellow (Level 4)	P27LVL4	100	10,000	PT-27HDA, DX460 and Hilti DX600
.27 Cal. - Red (Level 5)	P27LVL5	100	10,000	
.27 Cal. - Purple (Level 6)	P27LVL6	100	10,000	

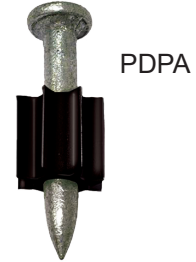


P27LVL

FASTENERS Drive Pins

.300" Headed Fasteners with 0.157" Shank Diameter

Length (inches)	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
1/2 Knurled	PDPA050K	100	1,000	PTP-27L PTP-27S PT-27 PT-27HDA PT-22A PT-22GS PT-22P PT-22HA	721, D-60, U-2000 and most other low velocity tools
5/8 Knurled	PDPA062K	100	1,000		
3/4	PDPA075	100	1,000		
1	PDPA100	100	1,000		
1-1/4	PDPA125	100	1,000		
1-1/2	PDPA150	100	1,000		
1-7/8	PDPA187	100	1,000		
2	PDPA200	100	1,000		
2-1/2	PDPA250	100	1,000		



PDPA

.300" Headed Fasteners with 0.157" Shank Diameter and 3/4" Metal Washers



PDPAW

Length (inches)	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
1	PDPAW-100	100	1,000	PTP-27L PTP-27S PT-27 PT-22P PT-22A PT-22GS PT-22HA	721, D-60, U-2000, System 1, System 3 and most other low velocity tools
1-1/4	PDPAW-125	100	1,000		
1-1/2	PDPAW-150	100	1,000		
2	PDPAW-200	100	1,000		
2-1/2	PDPAW-250	100	1,000		
2-7/8	PDPAW-287	100	1,000		

.300" Headed Fasteners with 0.157" Shank Diameter and 1" Metal Washers

Length (inches)	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
1	PDPAWL100	100	1,000	PTP-27L PTP-27S PT-27 PT-22P PT-22A PT-22GS PT-22HA	721, D-60, U-2000, System 1, System 3 and most other low velocity tools
1-1/4	PDPAWL125	100	1,000		
1-1/2	PDPAWL150	100	1,000		
1-7/8	PDPAWL187	100	1,000		
2	PDPAWL200	100	1,000		
2-1/2	PDPAWL250	100	1,000		
3	PDPAWL300	100	1,000		

PDPAWL



.300" Headed Fasteners with 0.145" Shank Diameter and 1 7/16" Metal Washers



PINW

Length (inches)	Part No.	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
2	PINW200	50	500	PTP-27L PT-27 PT-22P PT-22A PT-22GS PT-22HA	721, D-60, U-2000, System 1, System 3 & most other low velocity tools
2-1/2	PINW250	50	500		
3	PINW300	50	500		

FASTENERS Top Hats, Conduit Straps, Ceiling Clips

.300" Headed Tophat Fasteners with 0.157" Shank Diameter

Length (inches)	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
5/8 Knurled	PDPAT-62K	100	1,000	PTP27 PTP27AL PTP27AS PTM27 PT27 PT25S PT22 PT22H	721, D-60 U-2000, System 1, System 3 & most other low velocity tools
3/4	PDPAT-75	100	1,000		
1	PDPAT-100	100	1,000		



PDPAT



PCC

Pre-Assembled Conduit Straps – .300" Headed Fasteners with 0.145" Shank Diameter

Description	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
Conduit Clip 1/2" EMT with 1" Pin	PCC50-DP100	100	1,000	PTP27 PTP27AL PTP27AS PTM27 PT27 PT25S PT22 PT22H	721, D-60 U-2000, System 1, System 3, DX-350 & most other tools
Conduit Clip 3/4" EMT with 1" Pin	PCC75-DP100	50	500		



PCLDPA

Pre-Assembled Ceiling Clips – .300" Headed Fasteners with 0.157" Shank Diameter

Description	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
Ceiling Clip with 7/8" Pin	PCLDPA87	100	1,000	PTP-27 PTP-27AL PTP-27AS PTM-27 PT-27 PT-25S PT-22 PT-22H	DX-350 System 1 721 & most other tools
Ceiling Clip with 1-1/16" Pin	PCLDPA106	100	1,000		
Ladd Ceiling Clip with 1-5/16" Pin	PCLDPA131	100	1,000		

FASTENERS Collated Fasteners

.300" Headed Fasteners with 0.157" Shank Diameter - 10 Pin Collation



PDPAS

Length (inches)	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
1/2 Knurled	PDPAS-50K	100	1,000	PTP-27ASMAGR PT-27LMAGR	DX-460 MAG and most other low velocity magazine tools
1	PDPAS-100	100	1,000		
1-1/4	PDPAS-125	100	1,000		
2	PDPAS-200	100	1,000		
2-1/2	PDPAS-250	100	1,000		

FASTENERS Metric Fasteners

8MM Headed Fasteners



PHN

Length (inches)	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
5/8 Knurled	PHN16K	100	1,000	PTP-27L PTP27S** PT-27 PT-22P** PT-22GS PT-22HA*	DX-350 DX-36 DX-400E DX-A40 DX-460 DX-A41 System 1 DX-351 and 8mm tools
3/4 Knurled	PHN19K	100	1,000		
7/8	PHN22	100	1,000		
1	PHN27	100	1,000		
1-1/4	PHN32	100	1,000		
1-1/2	PHN37	100	1,000		
1-5/8	PHN42	100	1,000		
1-7/8	PHN47	100	1,000		
2	PHN52	100	1,000		
2-1/4	PHN57	100	1,000		
2-1/2	PHN62	100	1,000		
2-7/8	PHN72	100	1,000		

*Up to 2-1/2

**Up to 1-1/2

8MM Headed Tophat Fasteners

Length (inches)	Model	Pack Qty.	Carton Qty.	Compatible Simpson Tools	Other Compatible Tools
5/8 Knurled	PHNT16K	100	1,000	PTP-27 ,PTP-27L PTP-27S, PT-27 PT-22P, PT-22A, PT-22GS, PT-22HA	DX-35, DX-350 DX460 and most 8mm tools
3/4 Knurled	PHNT19K	100	1,000		
1	PHNT27	100	1,000		



PHNT

NOTE: All 8mm fasteners have a 3.68mm shank diameter unless otherwise noted.
Lengths in inches are for reference only and may not be exact.

Other Available PAT (Powder Actuated Tools)*



PTP27L

THE PTP-27L is an Automatic PAT tool with Adjustable Power, Low Recoil & Noise and 2-1/2" Pin Capacity (4" Pin with Washer). Use for Cold-Formed Steel, Drywall, Electrical, Acoustical/Overhead, Remodeling & Carpentry, Flooring, Glazing, HVAC, Plumbing/Fire Sprinkler, Framing and General applications.

THE PTP-22A is a Single Shot PAT tool that is Economical Professional Grade with a 3" Pin Capacity (4" Pin with Washer). For use in General, Electrical, Framing, Acoustical/Overhead, Remodeling and Carpentry applications.



PT-22A



PT-22HA

THE PTP-22HA is a Single Shot, Medium Duty, Hammer-Activated PAT tool with a 3" Pin Capacity. Best used in Electrical, Remodeling and Carpentry applications.

Call or Email us for product details.

* Above tools on this page are Non-Stock items.

Miscellaneous





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Survey Marking Paint

20 oz. Aerosol Cans - 12/cs

Non-freezing formula, operating to 14°F (-10°C)

Part No.	Color
ARV-201	Red
ARV-204	Green
ARV-203	Blue
ARV-212	Purple
ARV-207	White
ARV-206	Black
ARV-210	Silver

Part No.	Color
ARV-220	Fluorescent Red
ARV-222	Fluorescent Orange
ARV-224	Fluorescent Green
ARV-226	Fluorescent Yellow
ARV-227	Fluorescent Blue
ARV-229	Fluorescent Pink
ARV-230	Fluorescent Red/Org

Chalk Line Saver

Part Number	Color	Description
ARV-200	Clear Marking Coat	20 oz. Aerosol 12/cs

Spray Paint

Rust proof, solvent based

Part Number	Color	Description
ARV-312	Flat Black	16 oz. Aerosol 12/cs
ARV-313	Flat White	

Primer Spray Paint

Part Number	Color	Description
ARV-Z8072	Gray Primer	16 oz. Aerosol, 12/cs
ARV-Z8074	Red Oxide	
ARV-Z8076	White	

Galvanized Coating Sprays

16 oz. Aerosol - 12/cs

Part Number	Description
ARV-7007	Cold Galvanize Coat Spray
ARV-7008	Bright Galvanize Coat Spray

Spray Adhesives - 20 oz. Aerosol 12/cs

Part Number	Description
ARV-C8177	MultiPurpose
ARV-C8190	High Strength
ARV-C8192	Contact



Spot Marker



Marking Stick

Marking Paint Applicators

Part Number	Description
ARV-244	Spot Marker 10"
ARV-245	Marking Stick

Stainless Steel Cleaner

Part Number	Description
ARV-5060	20 oz. Aerosol 12/cs

Cleaner/Degreaser

Part Number	Description
ARV-399	20 oz. Aerosol 12/cs

Lubricant - 16 oz. Aerosol 12/cs

Part Number	Description
ARV-8034	General Purpose Silicone Lube
ARV-7340	All 4 (Clean, Penetrate, Lubricate, Protect)
ARV-937	TEF-Lube



Pencils, Crayons & Markers

Part No.	Description
MKL-096928	Carpenters Pencil - Black
LP72R	Carpenter Pencil - Red
MKL-0803(xx)	Lumber Crayons - (50) White, (51) Yellow, (52) Red, (53) Black, (55) Blue, (56) Green,
MKL-0969(xx)	Felt-Tip Paint Marker - (60) White, (61) Yellow, (62) Red, (63) Black, (64) Orange, (66) Green

Flagging Tape

1-3/16" x 300' Ft Flagging Tape

Part No.	Color
FTGL	Glo Lime
FTGP	Glo Pink
IRW-FTB	Blue
IRW-FTGO	Glo Orange



Chalk Lines

Part No.	Description
WRM1	Yellow 'Rapid Wind' Metal Chalk Line Reel
G150BOLD	Little Giant Chalk Line Reel with 2.0mm braided line



Braided Nylon Mason Line

Part Number	Color	Description Size
YB250	Yellow	#18 X 250 ft.
YB500	Yellow	#18 X 500 ft.
OB250	Orange	#18 X 250 ft.
OB500	Orange	#18 X 500 ft.
PB250	Pink	#18 X 250 ft.
PB500	Pink	#18 X 500 ft.



Measuring Devices

Part No.	Description
OTR18100	100 Ft Tape Measure (A)
WR1018	6-1/2 Ft Folding Wood Ruler (B)
K90812	12 Ft Tape Measure (C)
K90825	25 Ft Tape Measure (D)
PG1825RG	1" x 25 Ft Rubber Grip Tape Measure Feet, 8ths, 16ths & Inches(E)



Levels



Part No.	Description
F8-21190	Lenox Torpedo Level
LVLP243	24" Aluminum Level
F9-LVL483HH	48" Aluminum Level

Rafter Square
7 x 10 Speed Square with
"Best Practices" booklet
IRW-1794463



Chalk

Straight Line Chalk in
a variety of colors
Yellow, Red, Blue,
White or Fluorescent Orange



Chalk

Straight Line Chalk in a variety of colors

Part No.	Size	Description
IRW-CH8B	8 oz.	Blue
IRW-CH8R		Red
IRW-CH8Y		Yellow
IRW-CH8W		White
IRW-CH8GO		Fluorescent Orange
IRW-CH105B	5 lb.	Blue
IRW-CH105R		Red
IRW-CH105Y		Yellow
IRW-CH105W		White
IRW-CH105O		Fluorescent Orange



Masking Tape

Part Number	Color	Size	Qty
V0W-MT-F-1	Flesh	1" x 55 yd	36/cs
V0W-MT-F-1.5	Flesh	1.5" x 55 yd	24/cs
V0W-MT-F-2	Flesh	2" x 55 yd	24/cs
V0M-MT-OT100	Orange	1" x 60 yd	36/cs
V0M-MT-OT150	Orange	1.5" x 60 yd	24/cs
V0M-MT-OT200	Orange	2" x 60 yd	24/cs
V0M-MT-PG91	Blue	1" x 60 yd	36/cs
V0M-MT-PG92	Blue	1.5" x 55 yd	24/cs
V0M-MT-PG90	Blue	2" x 60 yd	24/cs



Vinyl Electrical Marking Tapes

10 rolls per sleeve

Part Number	Color	Size
V0W-ET-70YL	Yellow	3/4" X 68 yd
V0W-ET-70WT	White	3/4" X 68 yd
V0W-ET-70RD	Red	3/4" X 68 yd
V0W-ET-70OR	Orange	3/4" X 68 yd
V0W-ET-70GR	Green	3/4" X 68 yd
V0W-ET-70BL	Blue	3/4" X 68 yd
V0W-ET-70BK	Black	3/4" X 68 yd
V0W-ET-70GY	Grey	3/4" X 68 yd
V0W-ET-70BR	Brown	3/4" X 68 yd



Permanent Markers

Part No.	Description	Color	Qty
MKL-096022	Fine Point Marker	Red	12/bx
MKL-096023	Fine Point Marker	Black	12/bx
MKL096222	King Sz Marker	Red	12/bx
MKL-096223	King Sz Marker	Black	12/bx
MKL-096917	Magnum Marker	Black	12/bx



Duct Tape

Part Number	Size	Color	Qty
V0W-DT-396-1	1" X 60 yd	Silver	48/cs
V0W-DT-396-2	2" X 55 yd	Silver	24/cs
V0W-DT-396-3	3" X 60 yd	Silver	16/cs
V0W-DT-398004	4" X 60 yd	Silver	12/cs
V0W-DT-396WH-2	2" X 60 yd	White	24/cs
V0W-DT-396YL-2	2" X 60 yd	Yellow	24/cs
V0W-DT-398B-2	2" X 60 yd	Black	36/cs
V5N-801276	3" X 60 yd	Black	16/cs

Specialty Duct Tape

Part Number	Size	Description	Color	Qty
V0W-39800	3" X 60 yd	Contractor Grade	Silver	16/cs
V0W-2420	2" X 20 yd	Non-Residue	Silver	12/cs
V0W-8979	48mmX54.8mm	Performance Plus	Blue	24/cs





Made in U.S.A.



Bucket Stacker™

15051 (Yellow)

4 compartments for organizing nails, nuts and much more
Includes a drill bit sizer, pencil holder and 4" measuring rule

Super Stacker™

15054 (Red)

44% more capacity
holds & organizes small parts
4 compartments
Includes a drill bit sizer, pencil holder and 4" measuring rule
Nesting capability



Parachute Bag

25001

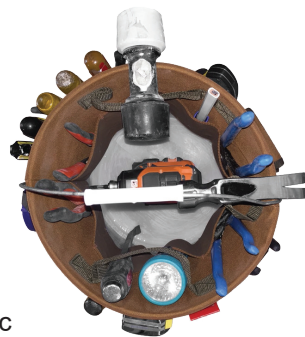
Heavy-duty Duckwear canvas bag
19 pockets
Flat ripstop bottom
Stacks 3-4 deep in most 5 gallon buckets



GateMouth® Parts Bag

GATEMOUTH

Ideal for mid-sized power tools, cords and accessories. Total of 16 pockets.
Super-wide "gate-mouth" design
Removable shoulder strap
Dimensions: 16"L x 9"W x 12"H



The Bucketeer®

01035

Rugged Ripstop fabric
30 pockets to hold tools
Big interior pockets to hold spray cans or larger hand tools
Inside loop keeps hammer in place
Fits most 5 gallon buckets





Tie Wire

Part Number	Description	Packaging
TW	16 Gauge Black Annealed 3-1/2 Lb. Roll	20 RL/CS



Manila Rope

Part Number	Size
VV1L-MA0146	1/4" X 600 ft
VV1L-MA0386	3/8" X 600 ft

Yellow Polypropylene Rope

Part Number	Size
VV1L-14Y	1/4" X 600 ft
VV1L-38Y	3/8" X 600 ft
VV1L-12Y	1/2" X 600 ft
VV1L-58Y	5/8" X 600 ft



Rubber Bungee Straps with "S" Hooks



Part Number	Size
VV1D-STR10	10"
VV1D-STR15	15"
VV1D-STR21	21"
VV1D-STR31	31"
VV1D-STR41	41"



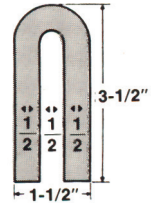
Poly Sheeting

Part Number	Size	Description
CP410	10 X 100	4 mil Clear
CP420	20 X 100	4 mil Clear
CP610	10 X 100	6 mil Clear



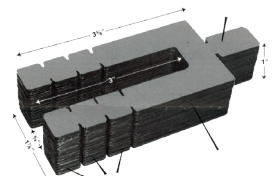
Wood Shims

Part No.	Thickness & Size	Qty/Pk
WS	1-1/2" X 8"	12/pk
WS12	1-1/2" x 12"	42/pk



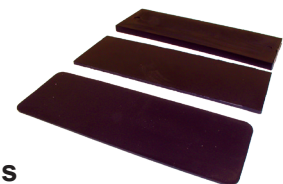
High Impact Plastic "Horseshoe" Shim 1000/box

Part Number	Thickness	Size	Color
GRV-HS206	1/16"	1-1/2" X 2"	Blue
GRV-HS213	1/8"	1-1/2" x 2"	Red
GRV-HS225	1/4"	1-1/2" x 2"	Black
GRV-HS306	1/16"	1-1/2" X 3-1/2"	Blue
GRV-HS313	1/8"	1-1/2" X 3-1/2"	Red
GRV-HS325	1/4"	1-1/2" X 3-1/2"	Black



Shimstacks 1" Stack of 16 Horseshoe shims

Part Number	Thickness & Size	Color	Qty
GRV-HSTACKS	1/16" X 1-7/8" X 3-5/8" with 5/8" slot	Black	2000/bx



Structural Shims

Part Number	Size	Qty
GRV-SS2406	1/16" x 2 x 4	1200/cs
GRV-SS2413	1/8" x 2 x 4	1200/cs
GRV-SS2425	1/4" x 2 x 4	720/cs
GRV-SS2606	1/16" x 2 x 6	1600/cs
GRV-SS2613	1/8" x 2 x 6	900/cs
GRV-SS2625	1/4" x 2 x 6	475/cs

Brooms

Part Number	Description
B718XLH	Black Plastic & Horsehair Broom Head 18" Wide
B3718LH	Grey Soft Flagged Edges Broom Head 18" Wide
B3724LH	Grey Soft Flagged Edges Broom Head 24" Wide
B3736LH	Grey Soft Flagged Edges Broom Head 36" Wide
B228	10" Corn Whisk Broom
B4135467	Corn Broom
B475DS	Black Duo-Sweep Broom
B474DS	Blue Duo-Sweep Broom
B36114024	Coarse Flo-Pac Broom Head 24" Wide
B36761824	Orange Semi Rigid Broom Head 18" Wide
B36762424	Orange Semi Rigid Broom Head 24" Wide



Black Plastic & Horsehair



Whisk Broom



Grey Soft Flagged Edges



Corn Broom



Blue Flo-Pac



Orange Semi Rigid



Tapered Broom Handle

Lumathread Broom Handle

Brushes

Part Number	Description
B270	7" Stainless Steel Wire Brush
B271	7" Brass Wire Brush
B56	9" Counter Brush
B1A	Acid Brush
B231	1" Oil & Chip Brush
B233	2" Oil & Chip Brush
B235	3" Oil & Chip Brush
B364575	1-1/2" Detail Brush



Stainless Steel Wire Brush



Brass Wire Brush



Oil & Chip Brush



Counter Brush



Detail Brush



Acid Brush

Squeegees

Part Number	Description
B8730	30" Floor Squeegee - Foam Rubber
B4124TP	24" Floor Squeegee - Black Rubber



Floor Squeegee



Sweeping Compound

Broom Handles and Braces

Part Number	Description
BC60	5 Ft Tapered Broom Handle
BC72	6 Ft Tapered Broom Handle
BM60	5 Ft Lumathread Boom Handle
B45280	Rigid Brace

Metal Dust Pans

Part Number	Description
B6	Dust Pan 12" Wide
B7	Dust Pan 16" Wide



Dust Pans

Sweeping Compound

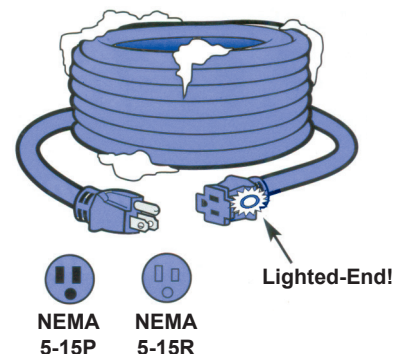
Part Number	Description
V8G-SCGREEN	50 Lb. Kleen Sweep



Arctic Blue™ All-Weather TPE Extension Cords With Lighted Connector

Good for temperatures ranging from -58°F to +221°F (-50°C to +105°C)

Part Number	Length	AWG	AMPS	WATTS	Qty
Extra Heavy Duty					
CORD12325	25 ft	12/3	15	1875	12/bx
CORD12350	50 ft	12/3	15	1875	4/bx
CORD123100	100 ft	12/3	15	1875	2/bx
CORD14325	25 ft	14/3	15	1875	16/bx
CORD14350	50 ft	14/3	15	1875	6/bx



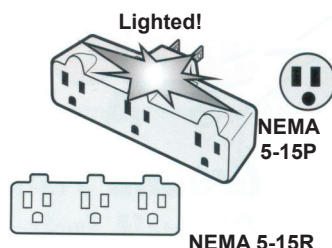
GFCI Right Angle Power Block GFCI Plug with 25 ft cord

Part Number GFCI14880

4-6mA Trip
120V/15A
12/3 AWG
9 Inch Length
Mechanical Indicator
Outdoor Rated

Plug-It® Lightnin' Plug® Triple Tap Power Center

Converts a single 15A, 125V
U-ground outlet to three 15A,
125V U-ground outlets.
Lights up to indicate power is on.



Part Number	Qty. Per Carton
CPBAD0100	20

i-Socket Autoswitch

Intelligent switch for any standard
shop type vacuum



Part Number IS110M

UL-rated 94V
ABS plastic case
120V/15A
3 prong grounded male input
2 or 3 prong tool outlet
Wet/Dry Vacuum

In-Line GFCI Cord Set

2 Ft Inline Cord set

Part Number GFCI26020

4-6mA Trip
120V/15A
12/3 AWG
14 Inch Length
Lighted Indicator
Outdoor Rated



Plug-It® 90° Triple Tap Power Block Adapter

Converts a single 15A, 125V U-ground outlet
to three 15A, 125V U-ground outlets.



Part Number	Qty. Per Carton
CADP20000	16

Male & Female Cord Ends 125V/15A



CCP340

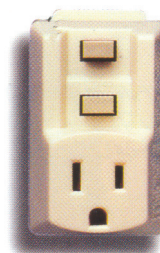
CCP440

Dual Function GFCI Adapter

Single Outlet GFCI with Single Mode Surge Protection

Part Number GFCI14650Y

4-6mA Trip
120V/15A
Mechanical Indicator
Indoor Rated



Cable Ties

UL recognized Cable Ties and Wire Clamps are made of durable Nylon 6/6. Cable ties are available in lengths from 4 inches to 36 inches. Colors: Natural and Black.

Part Number Black	Part Number Natural	Length	# Per Pkg
Mini CABLE TIES Tensile 18 lbs			
CTB03#18	CTN03#18	3"	100
CTB04#18	CTN04#18	4"	100
Intermediate CABLE TIES Tensile 40 lbs			
CTB05#040	CTN05#040	5"	100
CTB06#040	CTN06#040	6"	100
CTB08#040	CTN08#040	8"	100
CTB11#040	CTN11#040	11"	100
CTB14#040	CTN14#040	14"	100
Standard CABLE TIES Tensile 50 lbs			
CTB04#050	CTN04#050	4"	100
CTB06#050	CTN06#050	6"	100
CTB08#050	CTN08#050	8"	100
CTB11#050	CTN11#050	11"	100
CTB14#050	CTN14#050	14"	100
CTB15#050	CTN15#050	15"	100
CTB17#050	CTN17#050	17"	100
CTB19#050	CTN19#050	19"	100
CTB21#050	CTN21#050	21"	100
CTB24#050	CTN24#050	24"	100
CTB36#050	CTN36#050	36"	50

Part Number Natural	Length	# Per Pkg
WIRE CLAMPS		
NWC19N	3/16"	100
NWC25N	1/4"	100
NWC31N	5/16"	100
NWC38N	3/8"	100
NWC50N	1/2"	100
NWC62N	5/8"	100



Part Number Black	Part Number Natural	Length	# Per Pkg
Cold Weather CABLE TIES Tensile 50 lbs			
CTBCW08#050		8"	100
CTBCW11#050		11"	100
CTBCW14#050		14"	100
Heavy Duty CABLE TIES Tensile 120 lbs			
CTB08#120	CTN08#120	8"	100
CTB11#120	CTN11#120	11"	100
CTB15#120	CTN14#120	15", 14"	100
CTB18#120	CTN18#120	18"	50
CTB21#120	CTN21#120	21"	50
CTB28#120	CTN28#120	28"	50
Extra Heavy Duty CABLE TIES Tensile 175 lbs			
CTB18#175	CTN18#175	18"	50
CTB21#175	CTN21#175	21"	50
CTB24#175	CTN24#175	24"	50
CTB30#175	CTN30#175	30"	50
CTB32#175	CTN32#175	32"	50
CTB36#175	CTN36#175	36"	50
CTB48#175	CTN48#175	48"	50
CTB60#175	CTN60#175	60"	50

Anaerobic Threadlockers

- Lock and seal threaded fasteners
- Stop fasteners from loosening from shock and vibration
- Perform better than lock & bevel washers, and other forms of mechanical locking devices
- Alleviates rust-lock
- Prevent leakage



Part Number	Description
VTTL12110	Medium Strength Vibra-Tite (Blue)- 10 ml
VTTL12150	Medium Strength Vibra-Tite (Blue)- 50 ml
23027110	Permanent Strength Vibra-Tite (Red) - 10 ml
VTTL12535	Permanent Strength Vibra-Tite - 35 ml

ORIGINATOR



Office (651) 646-6141
Toll Free (800) 328-6505

9205 Lake Drive NE, Columbus MN 55025

Email: info@vikingindustrialcenter.com

APPLICATION FOR CREDIT

Date: _____

COMPANY: _____

Application Requested by: _____

INVOICE TO:

SHIP TO:

(Address/P.O.Box) _____

(Street Address) _____

(City, State & Zip) _____

(City, State & Zip) _____

Phone: _____ Fax: _____

Email: _____

Invoice Preference: Fax _____ Email _____

If your company is Tax Exempt, a copy of the certificate is required.

Years in business: _____

Accounts Payable Contact: _____

Trade References:

Name of Supplier

Phone Number

Fax Number (required)

1. _____

2. _____

3. _____

Bank Reference:

Name of Bank _____

Phone Number _____

Contact at Bank _____

Account Number _____

If application is not complete it will not be processed.

The above information is given for the purpose of establishing a line of credit and is a true and correct statement.

Signature

Title

Date

This application must be signed by a corporate officer or authorized representative who thereby grants permission to suppliers to release confidential credit information to Viking Industrial Center.

**Please email completed credit application to:
info@vikingindustrialcenter.com**



Safety, Fastener & Strut Specialists

info@vikingindustrialcenter.com

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