

PRODUCT SELECTION GUIDE

Fasteners • Sealants • Tools & Accessories



INTERIOR CONSTRUCTION

STEEL FRAMING | DRYWALL | HVAC | ACOUSTICAL | FIRE STOPPING



Better Connections by TFC!



800.486.1832

www.trianglefastener.com

MD397.0623



TRIANGLE FASTENER CORPORATION

OUR VALUE PROPOSITION

From the time we pick up the phone to long after the product is used, we are here to help you!

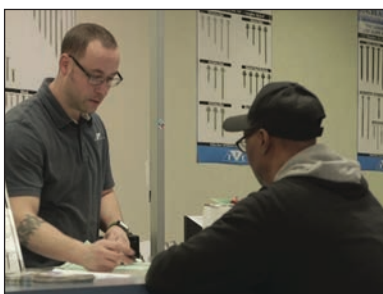
We provide the most innovative products, superior service, and a focused approach to your specific requirements. Our commitment to developing quality products and programs assure easy installation at low cost.

With every product we supply, you'll get the most comprehensive support programs.



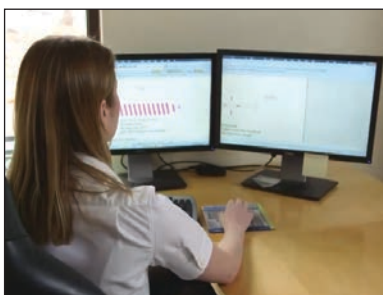
DISTRIBUTION

25 locations are stocked full of standard and specialty fastening system solutions.



MARKET SPECIALISTS

Each location is supported by our product and application specialists.



PRODUCT DESIGN

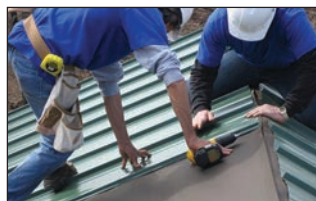
Our TFC Fastening Systems Design Center can custom design products to meet your application requirements.



PRODUCT RESEARCH

The TFC TECH CENTER provides additional research and technical support to fit your specific needs.

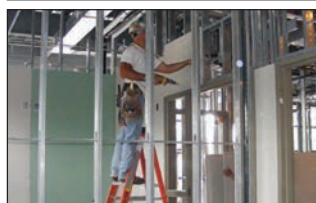
We service the following industries with the a full line of fasteners, sealants & tools.



- Metal Building
- Metal Roofing
- Post Frame
- Misc. Wall Cladding



- Low Slope Roofing



- Interior Construction

"TFC SPECIFIC" Products and Programs

We design them to provide higher performance and easier installation.

- APS 500® Advanced Polymer Sealant
- BLAZER® High Performance Drill Screws
- BRACER® Bracing System Washers
- BURR-BUSTER™ Self Piercing Screw
- BUTYL TAPE-SEAL™ Butyl Tape
- CONCEALOR® Low Profile Head Fastener
- GET-A-GRIP™ In-Stock Painted Rivets
- KALIDA-KOTE™ Paint For Fasteners, Rivets, Closures
- NEED-IT-NOW!™ Market Specific Product Program
- PANEL-TITE® Metal to Wood Fasteners
- PIPE-MASTER® Metal Roofing Pipe Flashing
- PAK-ONE™ Job Pack Program
- SENTRY PLUS FIVE® High Performance Roofing Screws
- STRESS-LESS® Stress Reducing Fastener
- STRESS-LOK® Load Distributing Washer
- TRACER® High Performance Drywall Screws
- TWISTER® Pre-tied Wire
- ULPT™ Ultra Low Profile Fasteners
- ULTRA 1000™ Sealant for Metal
- VRT® Vibration Resistant Thread Technology

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. 03.21-1

Wood or Metal



TRACER® TYPE S Fine Thread

Attachment of drywall to steel stud up to 20 gauge (.036").

Size/ Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1"	3/8" - 5/8"	10	
6 x 1-1/8"	3/8" - 3/4"	10	
6 x 1-1/4"	3/8" - 7/8"	8	
6 x 1-5/8"	3/8" - 1-1/4"	5	
6 x 2"	1" - 1-5/8"	3.5	
6 x 2-1/4"	5/8" - 1-7/8"	3	
7 x 2-1/2"	7/8" - 2-1/8"	2.5	
8 x 3"	1-3/8" - 2-1/8"	2	
10 x 3-1/2"	1-7/8" - 3-1/8"	1	
10 x 4"	2-3/8" - 3-5/8"	1	

Phos and oil

SPECIFICATIONS

Head: Bugle Head with #2 Cross Recess
Finish: Phosphate (24hrs. salt spray)
TRACER® fasteners conforms to ANSI/ASME B18.6.4 and
ASTM C1002-22
ASTM C1513-04



TRACER® TYPE W Coarse Thread

Attachment of drywall to wood stud or framing.

Size/ Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1"	3/8" - 5/8"	10	
6 x 1-1/8"	3/8" - 3/4"	10	
6 x 1-1/4"	3/8" - 7/8"	8	
6 x 1-5/8"	3/8" - 1-1/4"	5	
6 x 2"	1" - 1-5/8"	3.5	
6 x 2-1/4"	5/8" - 1-7/8"	3	
7 x 2-1/2"	7/8" - 2-1/8"	2.5	
8 x 3"	1-3/8" - 2-5/8"	2	
10 x 3-3/4"	2-1/8" - 3-3/8"	2	
10 x 4"	2-3/8" - 3-5/8"	1	

Phos and oil

SPECIFICATIONS

Head: Bugle Head with #2 Cross Recess
Finish: Phosphate (24hrs. salt spray)
TRACER® fasteners conforms to ANSI/ASME B18.6.1 and
ASTM C1002-22

**Need additional corrosion
protection?**

Now available with our TRI-SEAL® coating
for treated lumber applications!

Size: #6 x 1-1/4" GP Coarse thread. Phillips
bugle head.
1,000 hrs salt spray



TRACER HL | HIGH LOW

Attachment of drywall to steel stud up to 20 gauge
(.036").

Size/ Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1"	3/8" - 5/8"	10	
6 x 1-1/8"	3/8" - 3/4"	8	
6 x 1-1/4"	3/8" - 7/8"	8	
6 x 1-5/8"	1/2" - 1-1/4"	5	
6 x 1-7/8"	3/4" - 1-1/2"	4	
7 x 2-1/4"	1-1/16" - 1-7/8"	2.5	
8 x 2-1/2"	15/16" - 2-1/8"	2.5	
8 x 2-5/8"	1-3/8" - 2-1/4"	2.5	
8 x 3"	1-7/8" - 2-5/8"	2	



TRACER® Trim Head

Attachment of drywall to steel stud up to 20 gauge
(.036").

Size/ Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1-5/8"	1/2" - 1-1/4"	5	
6 x 2-1/4"	5/8" - 1-7/8"	3	
6 x 3"	3/4" - 2-5/8"	2	

Phos and oil

SPECIFICATIONS

Head: Bugle Head with #1 Square Recess
Finish: Phosphate (24hrs. salt spray)
TRACER® fasteners conforms to ANSI/ASME B18.6.4 and
ASTM C1002-22



TRACER® TYPE "G" Laminating Screw

Attachment or lamination of layered drywall.

Size/ Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
10 x 1-1/2"	3/4" - 1"	5	

Phos and oil

SPECIFICATIONS

Head: Bugle Head with #2 Cross Recess
Finish: Phosphate (24hrs. salt spray)
TRACER® fasteners conforms to ANSI/ASME B18.6.1 and
ASTM C1002-22



TRACER® Pan Head

Attachment of steel stud to steel track or for splicing
steel stud up to 20 gauge (.036") total thickness.

Size/ Length	Carton Quantity (M)	PRICE
7 x 7/16"	10	

Phos and oil

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



TRACER® D.S. Bugle Head

Drill and tap steel up to .112" thick.

Size/Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1"	3/8" - 5/8"	10	
6 x 1-1/8"	3/8" - 3/4"	10	
6 x 1-1/4"	3/8" - 7/8"	8	
6 x 1-5/8"	3/8" - 1-1/4"	5	
6 x 1-7/8"	3/8" - 1-1/2"	4	
6 x 2"	3/8" - 1-5/8"	4	
8 x 2-3/8"	3/8" - 2"	2.5	
8 x 2-5/8"	3/8" - 2-1/4"	1.6	
8 x 3"	3/8" - 2-5/8"	1.4	

Zinc plated

SPECIFICATIONS

Head: Bugle Head with #2 Cross Recess
Finish: Zinc Plated 48hrs. salt spray
TRACER® fasteners conforms to ANSI/ASME B18.6.4, ASTM C954-00, and ASTM C1513-04

Need additional corrosion protection?

Now available with our TRI-SEAL® coating for treated lumber applications!

Size: #6 x 1-1/4" DP2. Phillips bugle head. 1,000 hrs salt spray



TRACER® D.S. Trim Head

Size/Length	Drywall Thickness Minimum-Maximum	Carton Quantity (M)	PRICE
6 x 1-5/8"	3/8" - 1-1/4"	5	
6 x 2-1/4"	3/8" - 2"	2.5	

Zinc plated

SPECIFICATIONS

Head: Bugle Head with #1 Square Recess
Finish: Zinc Plated (48hrs. salt spray)
TRACER® fasteners conforms to ANSI/ASME B18.6.4 and ASTM C954-00



TRACER® CB Cement Board

Size/Length	Attachment Thickness	PRICE
8 x 1-1/4"	3/8" - 7/8"	
8 x 1-5/8"	3/8" - 1-1/4"	
8 x 2-1/4"	3/8" - 2"	

Long life coated

Performance Characteristics

Tracer Drywall Fastening Systems

Mechanical and Physical Properties

Thread Type	Major Dia.	Minor Dia.	Ultimate (Minimum)		
			Tensile Strength	Shear Strength	Torsional (Inch lbs.)
#6-15 Fine	.139"	.092"	1,322 lbs.	1,015 lbs.	24
#6-10 Coarse	.151"	.102"	1,422 lbs.	938 lbs.	24
#6-20 DS	.142"	.105"	1,500 lbs.	775 lbs.	24
#7-16 Fine	.155"	.107"	1,576 lbs.	1,238 lbs.	26
#7-9 Coarse	.164"	.102"	1,430 lbs.	773 lbs.	26
#8-15 Fine	.165"	.116"	1,802 lbs.	1,387 lbs.	42
#8-9 Coarse	.177"	.110"	1,540 lbs.	902 lbs.	42
#8-18 DS	.164"	.122"	2,035 lbs.	980 lbs.	42
#8-18 Hi-Lo	.167"	.100"	1,430 lbs.	925 lbs.	45
#10-7 G	.185"	.125"	2,035 lbs.	1,320 lbs.	45

Pullout Loads in Metal Studs Average Ultimate in Pounds (Calculated Values in Accordance to AISI S100 | Section E4)

Size	26 Ga. (.018")	25 Ga. (.021")	24 Ga. (.024")	22 Ga. (.030")	20 Ga. (.036")	18 Ga. (.048")	16 Ga. (.060")	14 Ga. (.075")	12 Ga. (.105")
#6-15 GP	107.1	125.0	142.8	178.5	214.2				
#6-20 DP2					214.2	285.6	357.0	446.3	624.8
#7-16 GP	118.6	138.3	158.1	197.6	237.2				
#7-16 DP2					237.2	316.2	395.3	494.1	691.7
#8-15 GP	126.2	147.3	168.3	210.4	252.5				
#8-18 DP2					252.5	336.6	420.8	525.9	736.3
#10-12 GP	145.4	169.6	193.8	242.3	290.7				
#10-16 DP3					290.7	387.6	484.5	605.6	847.9

REV JS0416

Pullout Loads in Wood Average Ultimate in Pounds

Size	Embedment in 2 x 4 Wood Stud (SYP)			
	1/2"	3/4"	1"	1-1/4"
#6-15 GP Fine	160	290	400	586
#6-10 GP Coarse	182	328	422	620
#7-16 GP Fine	172	288	408	590
#7-9 GP Coarse	189	318	440	630
#8-15 GP Fine	179	278	490	651
#8-15 GP Coarse	186	290	502	645

General Specifications

Self-piercing screws per ASTM C1002-22 & C-1513-04 Wood: ASME B18.6.1	Self-drilling screws per ASTM C954-00 & C-1513-04
--------------------------------------------------------------------------	---------------------------------------------------

Corrosion Resistance

Phosphate	10 hrs salt spray
Zinc Plated	24 hrs salt spray
*Tri-Seal	1,000 hrs salt spray

*Approved for ACQ Lumber
ASTM B117

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



TRACER® D.S. Pan Framer

Attachment of steel stud of steel track or for splicing steel stud up to 14 gauge (.075") total thickness.

SIZE	CTN QTY
6 x 7/16"	10M
8 x 1/2"	10M
8 x 1"	10M

.00015" zinc plated zinc plated



TRACER® D.S. Round Washer Head

Attachment of wood trim thru drywall to steel stud up to 14 gauge (.075").

SIZE	CTN QTY
8 x 1/2"	10M
8 x 3/4"	5M
8 x 1 1/4"	10M

.00015" zinc plated zinc plated



BLAZER® Pan Head

Fastener for steel framing applications.

SIZE	CTN QTY
#8-18 x 5/8" BLAZER-3	10M

.00015" zinc plated zinc plated



BLAZER® Hi-Hex

Fastener for steel framing applications. With serration.

SIZE	CTN QTY
#10-16 x 5/8" BLAZER-3	10M

.0003" zinc plated



BLAZER® Heavy Gauge

Fastener for steel framing applications.

SIZE	Head Style
#12-24 x 1-1/4" BLAZER-5	5/16" HWH

TRI-SEAL® long life coating.



STRESS-LESS® Framing Screw

Fastener for steel framing applications with high stress concentrations. Drill and tap up to 1/4" steel!

SIZE	Head Style
1/4-14 x 7/8" BLAZER-3	5/16" HWH

TRI-SEAL® long life coating.



TRACER® Pan Head

Attachment of steel stud to steel track or for splicing steel stud up to 20 gauge (.036") total thickness.

Phos and oil

SIZE	CTN QTY
7 x 7/16"	10M



CONCEALOR® Lo Profile Pancake Head

Fastener for steel framing applications.

SIZE	CTN QTY
#10-24 x 5/8" BLAZER-3	10M

.0003" zinc and yellow



SIZE	CTN QTY
#10-16 x 5/8" BLAZER-3	10M

.0003" zinc and yellow

Pullout Loads in Metal Studs Average Ultimate in Pounds (Calculated Values in Accordance to AISI S100 | Section E4)

Size	26 Ga. (.018")	25 Ga. (.021")	24 Ga. (.024")	22 Ga. (.030")	20 Ga. (.036")	18 Ga. (.048")	16 Ga. (.060")	14 Ga. (.075")	12 Ga. (.105")
#6-15 GP	107.1	125.0	142.8	178.5	214.2				
#6-20 DP2					214.2	285.6	357.0	446.3	624.8
#7-16 GP	118.6	138.3	158.1	197.6	237.2				
#7-16 DP2					237.2	316.2	395.3	494.1	691.7
#8-15 GP	126.2	147.3	168.3	210.4	252.5				
#8-18 DP2					252.5	336.6	420.8	525.9	736.3
#10-12 GP	145.4	169.6	193.8	242.3	290.7				
#10-16 DP3					290.7	387.6	484.5	605.6	847.9

REV JS0416

General Specifications

Self-piercing screws per
ASTM C1002-22 & C-1513-04
Wood: ASME B18.6.1

Self-drilling screws per
ASTM C954-00 & C-1513-04

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



WOOD DECK ATTACHMENT SCREWS & MISCELLANEOUS WOOD CONNECTIONS

Full line of high performance wood deck fasteners



DEK-IT WOOD SCREWS | TYPE 17 MILLED POINT TRI-SEAL COATED | SQ/PHIL COMBO DRIVE

- Exterior wood screw for outdoor applications including decks, treated wood, patios and fencing.
- TRI-SEAL coated formulated for ACQ treated lumber!

SIZES

Carbon Steel

Size	Carton Quantity	Drive Style	Carton Weight (lbs.)
6 x 1"	10M	+	32
6 x 1-1/4"	8M	+/- □	30
6 x 1-5/8"	5M	+/- □	24
6 x 2"	3.5M	+/- □	21
8 x 2-1/2"	2.5M	+/- □	24
8 x 3"	2M	+/- □	24
10 x 3-1/2"	1.5M	+/- □	28
10 x 4"	1M	+/- □	24
10 x 5"	1M	+	27
10 x 6"	1M	+	30



305 Stainless Steel

- 305 stainless steel coarse thread deck screw, #2 square drive, type 17 point.
- Exterior wood screw for outdoor applications including decks, treated wood, patios and fencing applications that require a high degree of corrosion resistance.
- For best possible corrosion resistance in ACQ Treated Lumber!
- Type 17 point provides superior penetration through the hardest of woods.
- 305 stainless steel provides maximum strength with superior corrosion protection.

SIZES

305 Stainless Steel

Size	Carton Quantity	Carton Weight (lbs.)
8 x 1-1/4"	5M	28
8 x 1-5/8"	4M	29
8 x 2"	3M	25
10 x 2-1/2"	2M	25
10 x 3"	1.5M	23
10 x 3-1/2"	1M	18

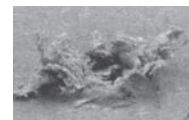


Composite Deck Screws - COATED

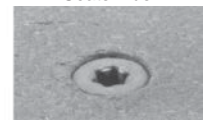
- For flush mounting of the fasteners without mushrooming!

SIZE: #10 x 2-3/4"

Ordinary Bugle Head



Seats Flush



Performance Data

Corrosion Resistance

Kesternich Results (DIN 50018, 2.0L)

- 25 Cycles - 10% or less red rust

Salt Spray Results (ASTM B117)

- 1000 hours - No red red rust

Pullout Values (average pounds ultimate)
Embedment 2" x 4" Stud Grade S.Y. Pine

SCREW DIA.	EMBEDMENT DEPTH			
	1/2"	3/4"	1"	1-1/4"
#6	182	329	422	620
#8	186	290	502	645
#10	241	386	522	721

Note: The values listed are ultimate averages achieved under laboratory conditions. An appropriate safety factor should be applied in these values to achieve a design value.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



ROCK-ON™

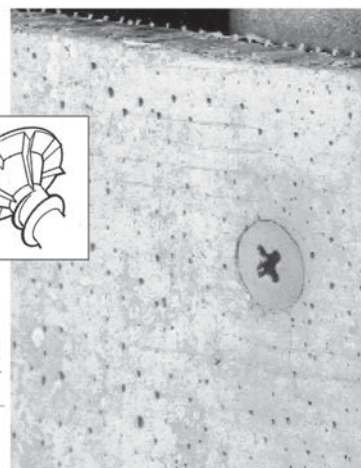
Cement Board Fasteners

High performance rib design is still the best!!!

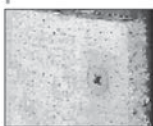
BACKER-ON™

Fiber Cement Backerboard Fasteners

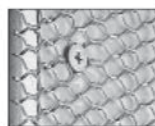
Recognized for use with HARDIBACKER® fiber cement backerboard.



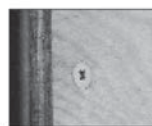
Applications



Cement-type boards or any dense sheathings to steel or wood studs.



Wire lath to steel or wood studs.



Plywood to steel or wood studs.



Hardie Fiber Cement Backerboard

Selector Guide



*Fully Threaded.

Part Number	Length	Material Attachment Range	Applications
Hi-Lo Rock-On			• Cement Board to Wood or Light Gauge Steel 26-20 Gauge
2151500* 1x	9 x 1-1/4"	Up to 3/4" Material Thickness to Wood; 3/8" - 1" Material Thickness to Steel	
2153500* 1x	9 x 1-5/8"	Up to 1-1/8" Material Thickness to Wood; 3/8" - 1-3/8" Material Thickness to Steel	
2155500	9 x 2-1/4"	Up to 1-3/4" Material Thickness to Wood; 1" to 1-7/8" Material Thickness to Steel	
S-12 Rock-On			• Cement Board to Steel Studs 20-12 Gauge
2156500*	8 x 1-1/4"	3/8" to 3/4" Material Thickness	
2159500*	8 x 1-5/8"	3/8" to 1-1/4" Material Thickness	
2139500	8 x 2-1/4"	1" to 1-7/8" Material Thickness	
Backer-On			• Backer Board
2406000	10 x 1-1/4"	Up to 3/4" Material Thickness to Wood; 3/8" - 1" Material Thickness to Steel	
1x Available in small box packaging.			

* Available in small box packaging.

Performance Data

Pullout Values in Steel (Gauge)								
	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	-	-	-	-

Wood (Embedment) #2 SPF 2 X 4				
	1/2"	3/4"	1"	1-1/4"
Hi-Lo	223	312	555	676
Backer-On	-	436	780	-

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.

Installation Guidelines

- A standard screwgun with a depth sensitive nosepiece should be used to install cement board fasteners. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- Worn or damaged bit tips should be replaced.
- The fastener is fully seated when the head is flush with the work surface.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Self-Drilling Screw GYPSTERS Bugle Head

- Fasten wood, plywood and OSB panels to steel studs.
- #2 square drive bugle heads drive flush with work surface.
- Tapping screw threads, #3 drill points.
- Drilling thickness capacities: up to .083" (68 mils, 14 ga.) for #6, up to .142" (118 mils, 10 ga) for #8 and up to .177" for #10.

410 Stainless Steel

Size	Length	Carton Count	Item No.
#6	1-1/4"	100	F06T125BDC
#6	1-1/4"	1,000	F06T125BDM
#6	1-1/4"	5,000	F06T125BDB
#8	1-5/8"	100	F08T162BDC
#8	1-5/8"	1,000	F08T162BDM
#8	1-5/8"	3,000	F08T162BDB
#8	2"	100	F08T200BDC
#8	2"	1,000	F08T200BDM
#8	2"	2,500	F08T200BDB
#10	2-1/2"	100	F10T250BDC
#10	2-1/2"	1,000	F10T250BDM
#10	2-1/2"	2,000	F10T250BDB
#10	3"	100	F10T300BDC
#10	3"	1,500	F10T300BDB
#10	3-1/2"	100	F10T350BDC
#10	3-1/2"	1,000	F10T350BDB



Hand Drive Screws Fiber Cement Screws - Wood Stud

- #2 square drive, Coarse thread full length.
- Type-17 point for fast starts.
- Self-countersinking nibs under head insure seating of screw heads flush with work surface.
- Threaded to within 5/16" of head
- Use 1-1/4" screws to attach fiber cement siding to stress skin panels
- Use 1-5/8" screws to blind-fasten fiber cement lap siding to wood

316 Stainless Steel

Size	Length	Carton Count	Item No.
#8	1-1/4"	100	T08C125WQC
#8	1-1/4"	1,000	T08C125WQM
#8	1-5/8"	100	T08C162WQC
#8	1-5/8"	1,000	T08C162WQM
#8	2-1/4"	1,000	T08C225WQM
#8	2-1/4"	2,000	T08C225WQC

410 Stainless Steel

Size	Length	Carton Count	Item No.
#8	9-1/16"	100	F08T056KDC
#8	9-1/16"	1,000	F08T056KDM
#8	9-1/16"	8,000	F08T056KDB
#8	3/4"	100	F08T075KDC
#8	3/4"	1,000	F08T075KDM
#8	3/4"	6,000	F08T075KDB
#8	1-1/4"	100	F08T125KDC
#8	1-1/4"	1,000	F08T125KDM
#8	1-1/4"	4,000	F08T125KDB
#8	1-5/8"	100	F08T162KDC
#8	1-5/8"	1,000	F08T162KDM
#8	1-5/8"	3,000	F08T162KDB
#8	2"	100	F08T200KDC
#8	2"	1,000	F08T200KDM
#8	2"	2,500	F08T200KDB



Self-Drilling Screws K-Lath Modified Truss Head

- For attaching metal lath to 14- to 20-gauge steel studs.
- Tapping screw threads, #3 drill point.
- #2 Phillips drive.

DEWALT - DCF6201 Cordless Collated Magazine Attachment



- Screw length adjustment button (1" - 2" capacity)
- Disassembly release button (for occasional blow-out/cleaning)
- Screw length detent marks and screw drive depth gauge
- Collated screw strip guide
- Magazine attachment release buttons

Mounts to DeWALT DCF620
20v MAX* XR Li-Ion Brushless
Drywall Screwgun

Compatible with SENCO and HILTI collated screws.

COLLATED SCREW SELECTION

Compatible with DeWalt, SENCO, and HILTI tools.
Contact TFC for specific applications.



50 Screws
Per Strip

1,000 Screws
per Master
Carton



COARSE / Wood

Length	Dia	Qty.Box
1 1/4	#6	1000
1 5/8	#6	1000
2	#6	1000

Available Finish

Interior: Plain Finish

Exterior: TRI-SEAL® Coated (option)



SELF-DRILL / Steel < .175"

Length	Dia	Qty.Box
1 1/4	#6	1000
1 5/8	#6	1000
2	#6	1000

Available Finish

Interior: Zinc Plated

Exterior: TRI-SEAL® Coated (option)



FINE / Wood or Steel < 20ga

Length	Dia	Qty.Box
1 1/4	#6	1000
1 5/8	#6	1000
2	#6	1000

Available Finish

Interior: Plain Finish



SELF-DRILL / Steel < .175"

Length	Dia	Qty.Box
3/4	#10	1,000

Available Finish

Interior: Zinc Plated



SELF-DRILL / Wood to Steel <.210"

Length	Dia	Qty.Box
1 3/4"	#12	1,000

Available Finish

Zinc and Yellow Plated

Many other sizes and types are available.
Contact TFC with your specific application and we will assist
you in choosing the best screw for your application.

Performance Characteristics

Pullout Loads in Metal Studs Average Ultimate in Pounds (Calculated Values in Accordance to AISI S100 | Section E4)

Size	26 Ga. (.018")	25 Ga. (.021")	24 Ga. (.024")	22 Ga. (.030")	20 Ga. (.036")	18 Ga. (.048")	16 Ga. (.060")	14 Ga. (.075")	12 Ga. (.105")
#6-15 GP	107.1	125.0	142.8	178.5	214.2				
#6-20 DP2					214.2	285.6	357.0	446.3	624.8
#7-16 GP	118.6	138.3	158.1	197.6	237.2				
#7-16 DP2					237.2	316.2	395.3	494.1	691.7
#8-15 GP	126.2	147.3	168.3	210.4	252.5				
#8-18 DP2					252.5	336.6	420.8	525.9	736.3
#10-12 GP	145.4	169.6	193.8	242.3	290.7				
#10-16 DP3					290.7	387.6	484.5	605.6	847.9

Steel Tensile : 50 Ksi

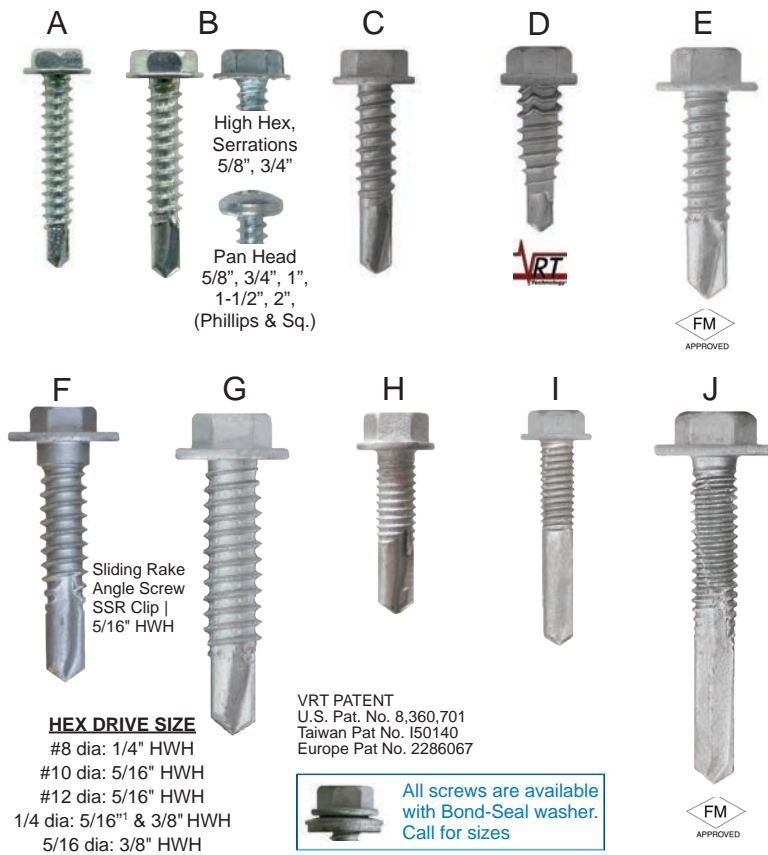
Pullout Loads in Wood Average Ultimate in Pounds

Size	Embedment in 2 x 4 Wood Stud (SYP)			
	1/2"	3/4"	1"	1-1/4"
#6-15 GP Fine	160	290	400	586
#6-10 GP Coarse	182	328	422	620
#7-16 GP Fine	172	288	408	590
#7-9 GP Coarse	189	318	440	630
#8-15 GP Fine	179	278	490	651
#8-15 GP Coarse	186	290	502	645

Corrosion Resistance

Phosphate	10 hrs salt spray
Zinc Plated	24 hrs salt spray
Tri-Seal	1,000 hrs salt spray

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



- The hex washer head is the most popular drive system and provides the best stability during installation.
- Available with TRI-SEAL® long life coating for the ultimate corrosion protection...1,000 hrs salt spray with no red rust!

SIZES

Blue colored sizes denotes popular DC items

ITEM	SIZE	Point Type	LENGTHS	Load Bearing Length (MAX)	Box Qty
A	#8-18	DP2	1/2"	.100"	10M
			5/8"	.125"	10M
			3/4"	.250"	10M
			1"	.500"	7.5M
			1-1/4"	.750"	5M
			1-1/2"	1"	5M
B	#10-16	DP3	2"	1.5"	1.5M
			1/2"	.100"	10M
			5/8"	.125"	5M
			3/4"	.250"	5M
			3/4" HH/SERR	.250"	5M
			1"	.500"	5M
C	#12-14	DP3	1-1/2"	1"	3.5M
			2"	1.500"	2M
			3"	2.500"	1M
			3/4"	.125"	5M
			1"	.250"	3.5M
			1-1/4"	.625"	3M
D	1/4-14 ¹ VRT	DP1	1-1/2"	.750"	2M
			2"	1.25"	2M
			2-1/2"	1.75"	1M
			3"	2.25"	1M
			4"	3.75"	500
			7/8" VRT	.325"	2.5M
E	1/4-14	DP3	3/4"	.125"	2.5M
			1"	.250"	2.5M
			1-1/4" ¹	.625"	2M
			1-1/2" ¹	.875"	2M
			2"	1"	1.5M
			2-1/2"	1.50"	1M
F	1/4-14 SHLDR	DP3	3"	1.25" - 2.25"	1M
			4"	1.73" - 3.25"	500
			5"	2.6" - 4.25"	500
			6"	3.6" - 5.25"	250
			8"	5.6" - 7.25"	250
			10"	7.6" - 9.25"	500
G	5/16-12	DP3	1-1/4"	.625"	3.5M
			1"	.250"	1.5M
			1-1/2"	.875"	1M
			2"	1.25"	1M
			3"	2.25"	750
			4"	3.25"	500
H	#12-24	DP4	5"	1.38 - 4.25"	500
			6"	2.50 - 5"	500
			8"	4.25" - 7"	200
			7/8"	.325"	5M
			1-1/4"	.500"	2.5M
			1-1/2"	.625"	2M
I	#12-24	DP5	1-1/2"	.625"	1.5M
			2"	.750"	1.5M
			1-1/2"	.500"	2M
			2-1/4"	1.250"	1M
			2-1/2"	1.500"	1M
			3-1/8"	2.125"	1M
J	5/8" OD washer face	DP5	4"	3"	250
			5"	4"	250
			6"	2.50" - 5"	250
			7"	3.38" - 6"	500
			8"	4.25" - 7"	500
			1-1/2"	.500"	2M

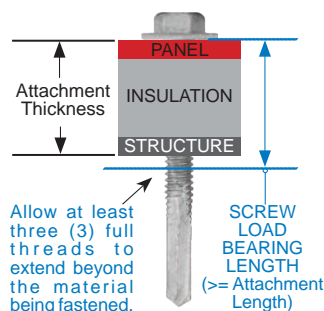
Drill Point and Length Selection

1. Determine the Screw Drill Point Type

- Add up the total thickness that will be drilled by the screw.
- Select the desired drill point (DP) type and screw size located on the size chart below.



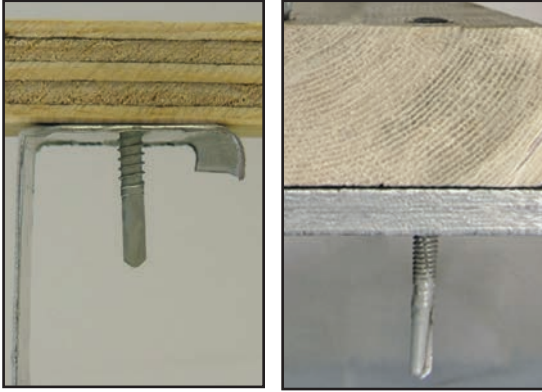
Drilling and Tapping Thickness													
Gauge	24	20	18	16	14	12	10						
Inch	.024	.036	.048	.060	.075	.100	.105	.135	.175	.210	.250	.375	.500
1/4-14 DP1	.024" - .072"												
#8-18 DP2	.024" - .100"												
#10-16 DP3	.024" - .175"												
#10-24 DP3	.048" - .210"												
#12-14 DP3	.024" - .210"												
1/4-14 DP3	.035" - .250"												
5/16-12 DP3	.048" - .175"												
#12-24 DP4	.175" - .375"												
#12-24 DP5	.175" - .500"												
1/4-20 DP5	.175" - .500"												



2. Determine Screw Length

- Measure from the top surface of the material being fastened to the underside of the metal that will be drilled and tapped. Be sure to allow for any void or insulation. This is called the attachment thickness.
- Select a screw length where the attachment thickness is less than or equal to the Load Bearing Length listed on the chart to the right.

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



We have the largest selection of wood-to-metal drill screws engineered to provide high performance and easy installation.

Need to attach wood to metal thinner than 1/4"?

Our full line of sizes are designed to fasten to metal as thin as 18-gauge!

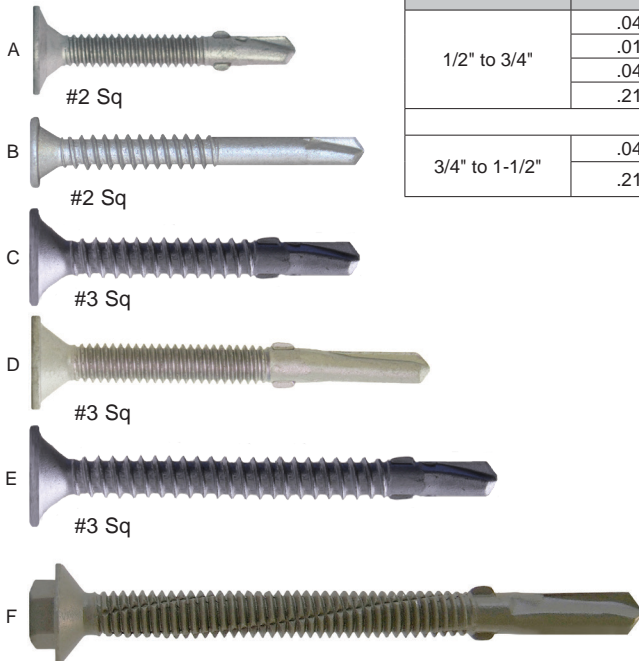
Need to attach wood to steel that is 1/2" thick?

We offer the only wood-to-metal fastener that will drill and tap steel up to 1/2" thick. It has a special hex-countersunk head that provides optimal driving stability and can also be installed **flush** to the surface of the wood.



Square recess for superior stability during installation.

SIZES



5/16 hex countersunk head provides exceptional stability during installation and can be installed **flush** to the wood surface.

WOOD THICKNESS	DRILLING THICKNESS	Screw	Diameter Length Point	Head Dia.	Box Qty
1/2" to 3/4"	.048" - .210"	A	#10-24 x 1-7/16" BLAZER-3 With Wings	.460"	4M
	.018" - .175"	B	#10-16 x 1-3/4" BLAZER-3 Long Pilot	.380"	2.5m
	.048" - .210"	C	#12-14 x 1-3/4" BLAZER-2 With Wings	.500"	2M
	.210" - .500"	D	*#12-24 x 2-1/8" BLAZER-5 With Wings	.500"	2M
3/4" to 1-1/2"	.048" - .210"	E	#12-14 x 2-1/2" BLAZER-2 With Wings	.500"	1M
	.210" - .500"	F	1/4-20 x 3-1/8" BLAZER-5 With Wings	.510"	1M

Select a screw based on the thickness of the wood and the thickness of the steel substrate.

Screw Recommendations

Steel ≤ .210" : Screw E
Steel > .210" : Screw F

Screw Recommendations
Steel ≤ .210" : Screw A, B, C
Steel > .210" : Screw D

1/2" to 3/4" WOOD

1" to 1-5/8" WOOD

TECHNICAL DATA

Recommended Screw Gun Speed: 2,000 RPM Max

Fastener Information		PULLOUT ULTIMATE LOAD IN POUNDS													
		Calculated Values In Accordance to AISI S100 Section E4													
		Grade 50 per ASTM A1011 50Ksi Min. Steel							Grade 50 per ASTM A792/A653/A572/A529 65Ksi Min. Steel						
Screw Size	Nom Dia. (in.)	26 Ga. (.018")	25 Ga. (.021")	24 Ga. (.024")	22 Ga. (.030")	20 Ga. (.036")	18 Ga. (.048")	16 Ga. (.060")	14 Ga. (.075")	12 Ga. (.105")	1/8" (.125")	10 ga (.135")	1/4" (.250")	3/8" (.375")	1/2" (.500")
#10	.190"	174	203	233	291	349	504	627	786	1,101	1,311				
#12	.216"	198	231	264	330	397	573	716	895	1,253	1,492	1,611	2,984	*4,475	*5,967
1/4	.250"	230	268	306	383	459	633	829	1,036	1,450	1,727	1,865	3,453	*5,180	*6,906

* Denotes load exceeds tensile strength of screw.

Head Type

#10: #2 Sq - Wafer Countersunk
#12: #3 Sq - Wafer Countersunk
1/4": 5/16" Hex Countersunk
Material: C-1022 Carbon steel
Finish: TRI-SEAL® Long-life
Salt Spray: 1,000hrs
Compatible for use in ACQ and fire treated lumber.
Produced to SAE J78 specifications.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

WOOD OR THIN METAL

Piercing Capacity: CS & 410SS <=20 ga

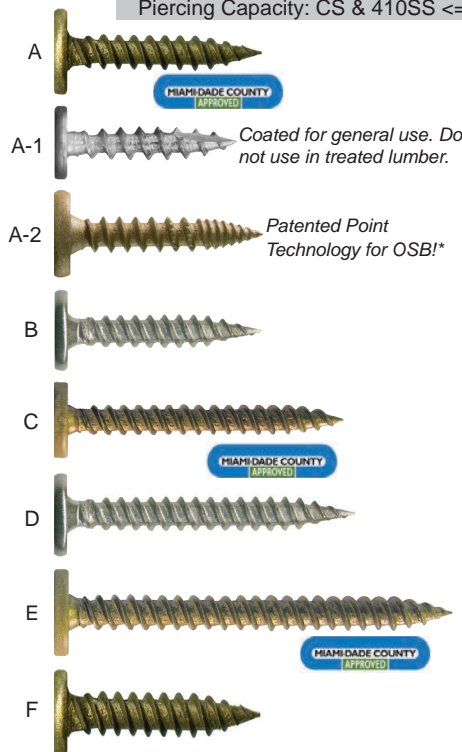
#10, #12, & 1/4" PIERCING POINTS AND DRILL POINTS

CONCEALOR® low profile head fasteners are engineered to perform in a variety of applications. They are specified in many metal roofing systems to attached SSR clips to metal or wood. They are easy to install and provides optimal strength.

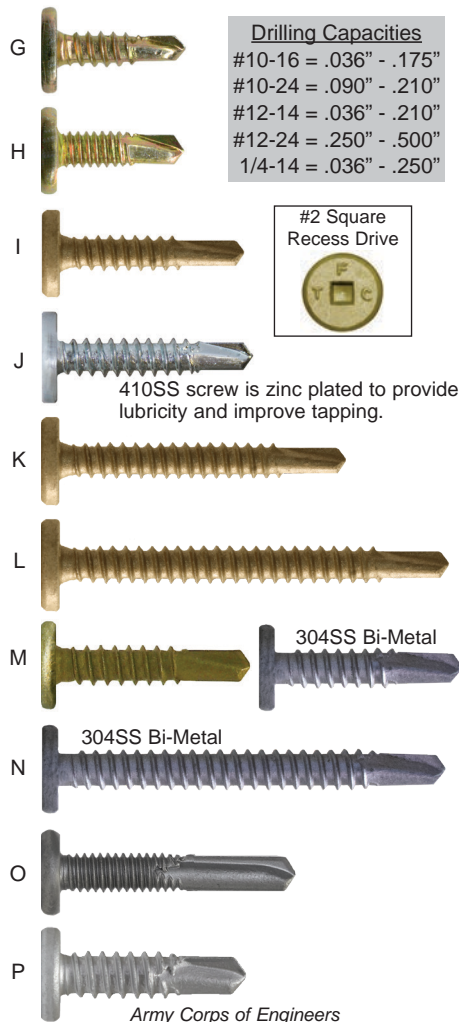
Bagged 250 pcs. per bag

SIZES

MEETS FLORIDA BUILDING CODE 1506.6 & R904.5.2 (TRI-SEAL® & SS ONLY)



METAL SUBSTRATES



	Description	Load Bearing Length (Max)	Part Number	Box Quantity	WT Per Box
A	#10-13 X 1" GP Long-life TRI-SEAL® coated	*Note	10100SPCGCSTS	5,000 pcs	36.0 lbs.
A-1	#10-9 X 1" Type 17 Coated for general use	*Note	10100SPC17CSCZ	5,000 pcs	36.0 lbs.
A-2	#10-12 X 1" BURR BUSTER Long-life TRI-SEAL® coated	*Note	10100SPCGBBCSTS	5,000 pcs	36.0 lbs.
B	#10-13 X 1" GP 302 Stainless Steel	*Note	10100SPCGS3	5,000 pcs	39.0 lbs.
C	#10-13 X 1-1/2" GP Long-life TRI-SEAL® coated	*Note	10150SPCGCSTS	3,000 pcs	31.0 lbs.
D	#10-13 X 1-1/2" GP 302 Stainless Steel	*Note	10150SPCGS3	3,000 pcs	32 lbs.
E	#10-13 X 2" GP Long-life TRI-SEAL® coated	*Note	10200SPCGCSTS	1,500 pcs	19.0 lbs.
F	#12-11 X 1" GP Long-life TRI-SEAL® coated	*Note	12100SPCGCSTS	5,000 pcs	44.0 lbs.
G	#10-16 X 5/8" DP3 .0003" Zinc and Yellow	.125"	10062SPC3CS	5,000 pcs	27.0 lbs.
H	#10-24 X 5/8" DP3 .0003" Zinc and Yellow	.125"	10062SPC3CSYZ	5,000 pcs	27.0 lbs.
I	#10-16 X 1" DP3 Long-Life TRI-SEAL® coated	.500"	10100SPC3CSTS	5,000 pcs	37.0 lbs.
J	#10-16 X 1" DP3 410 Stainless Steel / ZP	.500"	10100SPC3S4	5,000 pcs	37.0 lbs.
K	#10-16 X 1-1/2" DP3 Long-Life TRI-SEAL® coated	1"	10150SPC3CSTS	3,000 pcs	32.0 lbs.
L	#10-16 x 2" DP3 Long-Life TRI-SEAL® coated	1.5"	10200SPC3CSTS	1,500 pcs	21.0 lbs.
M	#12-14 X 1" DP3 Long-Life TRI-SEAL® coated	.375"	12100SPC3CSTS	5,000 pcs	43.0 lbs.
	#12-14 X 1" DP3 304SS Bi-Metal	.375"	12100SPC3BM	5,000 pcs	43.0 lbs.
N	#12-14 X 2" DP3 304SS Bi-Metal	1.5"	12200SPC3BM	1,500 pcs	21.0 lbs.
O	#12-24 X 1-1/4" DP5 Long-Life TRI-SEAL® coated	.500"	12125SPC5CSTS	4,000 pcs	52.0 lbs.
	#12-24 X 1-1/2" DP5 Long-Life TRI-SEAL® coated	.625"	12150SPC5CSTS	4,000 pcs	43.8 lbs.
P	1/4-14 X 1" DP3 Long-Life TRI-SEAL® coated	.325"	14100SPC3CSTS	2,500 pcs	27.0 lbs.

* NOTE: For wood applications less than 1" thick, allow tip to extend beyond bottom of wood for optimal pullout strength. Screw length should be at least .3125" longer than the overall attachment length.

SPECIAL APPLICATIONS

Assemble CONCEALOR® with a bonded sealing washer that locks out weather!



We can color match to your exact requirements in three days or less!



Installation: Do NOT use impact drivers. Use 2,500 RPM max variable speed screw drivers with torque control or depth sensing nosepiece.

*Pat. No.: 11,105,362

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Largest Selection of Painted Rivets...IN STOCK!

- #43 and #44 Stainless Steel
- Over 50 colors in-stock for same day ship!
- Chip resistant paint is formulated to resist fading caused by UV rays.
- 250 pieces per bag for easy handling.

WE'LL SHIP ONE BAG!

Popular Sizes and Technical Information

Body Dia.	Rivet #	Grip Range	Rivet Length	Head Dia.	Head Height	Drill Hole
1/8"	43	.126 - .187	.337	.250	.040	#30 (.129" - .133")
	44	.188 - .250	.400			
3/16"	63	.126 - .187	.337	.375	.060	#11 (.192" - .196")
	64	.188 - .250	.400			

BLIND RIVETS | DOMED HEAD

TFC standard rivets are

all stainless, all aluminum or all steel

Use the correct hole size to assure the rivet performs properly. Refer to size chart for hole size.

Drill Bit Type

High Speed / 135° Split Point

Pullout in Steel

1/8" BLIND RIVET (#42, #43, #44) STAINLESS STEEL					
	Steel Thickness and Tensile				
	0.021"	0.032"	0.047"	0.074"	
	49 ksi	44 ksi	112 ksi	63 ksi	66 ksi
PULLOUT (lbs)	106 ¹	175 ¹	571 ¹	647 ²	631 ²

Farabaugh Report: T311-16

Pullover in Steel

1/8" BLIND RIVET (#42, #43, #44) STAINLESS STEEL			
	Steel Thickness and Tensile		
	0.021"	0.032"	0.074"
	49 ksi	44 ksi	66 ksi
PULLOVER (lbs)	306 ¹	425 ¹	644 ²

Farabaugh Report: T175-21

Rivet Strengths

RIVET	Tensile	Shear
1/8" SS	600	520
1/8" AL	180	150
3/16" SS	1300	1150
3/16" AL	700	440

Country of Origin: USA

Tools

Milwaukee® M12™ Tool 12 Volt Cordless



Delivers fast, easy riveting while maintaining performance, durability, and consistency.

Model: M12 - 2550-22 Tool Kit

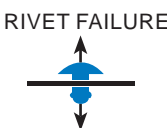
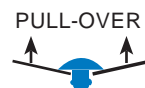
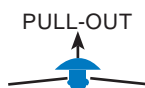
Capability | One full Charge
3/16" stainless steel rivets (250 rivets)
1/8" steel rivets (450 rivets)



Tool Kit includes battery, charger, bag.

Manual

The Rivet King model RK-65 hand rivet tool can set blind rivets up to 3/16" in diameter.



FAILURE MODES
1. Pullover or Pullout
2. Rivet

Pullout in Aluminum

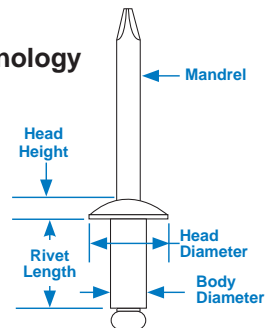
1/8" BLIND RIVET (#42, #43, #44)		
ALUMINIUM THICKNESS (6063 T5)	0.040"	0.125"
STAINLESS RIVET PULLOUT (lbs)	102 ¹	561 ¹
ALUMINUM RIVET PULLOUT (LBS)	103 ¹	194 ²

3/16" BLIND RIVET (#62, #63, #64)		
ALUMINIUM THICKNESS (6063 T5)	.040"	0.125"
STAINLESS RIVET PULLOUT (lbs)	124 ¹	1,082 ¹
ALUMINUM RIVET PULLOUT (lbs)	128 ¹	512 ²

Farabaugh Report: T220-16 & T305-20

All tests conducted at Farabaugh Engineering and Testing

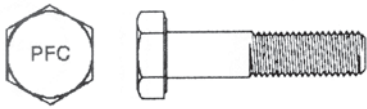
Rivet Terminology



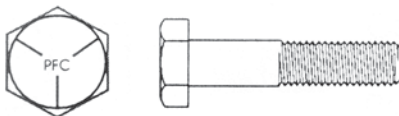
DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



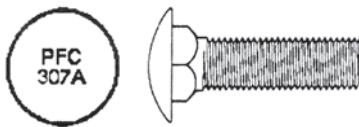
Grade 2 Cap Screw, NC
Available Finishes: Plain & Zinc



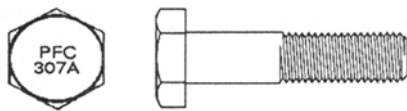
Grade 5 Cap Screws, NC
Available Finishes: Plain, Zinc



(307A) Carriage Bolts
Available Finishes: Plain, Zinc, HDG



Hex Bolt (A 307)
Available Finishes: Plain, Zinc, HDG

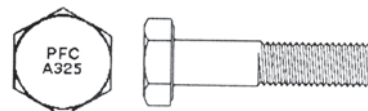


Carbon Steel Bolts

Diameter	Lengths
1/4" - 20"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5", 5-1/2", 6", 6-1/2", 7", 7-1/2", 8"
5/16" - 18"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5", 5-1/2", 6", 6-1/2", 7", 7-1/2", 8"
3/8" - 16"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5"
7/16" - 14"	3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6", 7", 8"
1/2" - 13"	3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5"
5/8" - 11"	3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5", 5-1/2", 6"
3/4" - 10"	1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5", 5-1/2", 6", 6-1/2", 7"
7/8" - 9"	1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/4", 3-1/2", 3-3/4", 4", 4-1/2", 5", 5-1/2", 6", 6-1/2", 7", 7-1/2", 8"

(A-325) Heavy Hex Structural Bolts USA

Available Finishes: Plain, HDG



MACHINE SCREWS AND SHEET METAL SCREWS

Machine Screws | Carbon Steel | Zinc Plated



Button Phillips



Pan Phillips



Flat Countersunk Phillips



Hex Head Unslotted

We offer a full line of washers and nuts!

Button Head | Pan Head | Flat Countersunk

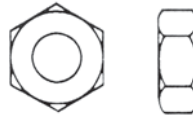
Diameter	Lengths
8" - 32"	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/2", 4", 5", 6"
10" - 24"	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
10" - 32"	1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/2", 4", 5", 6"
12" - 24"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"
1/4" - 20"	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
5/16" - 18"	1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
3/8" - 16"	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
1/2" - 13"	1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 6"

Hex Head | Un-slotted

Diameter	Lengths
8" - 32"	1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/4", 1-1/2"
10" - 24"	1/4", 5/16", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"
10" - 32"	1/4", 5/16", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"
12" - 24"	3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2"
1/4" - 20"	1/2"
5/16" - 18"	1/2"

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Carbon Steel Nuts



Finished Hex Nuts

Available Finishes: Plain, Zinc,
Hot Dip Galvanized

Finished Hex Nuts, NC

Thread Types

1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14, 7/16"-14 (5/8" AF), 1/2"-13,
9/16"-12, 5/8"-11, 3/4"-10, 7/8"-9, 1"-8, 1-1/8"-7, 1-1/4"-7, 1-3/8"-6,
1-1/2"-6, 1-3/4"-5, 2-4-1/2", 2-1/4"-4-1/2", 2-1/2"-4, 2-3/4"-4, 3"-4

Finished Hex Nuts, NF

Thread Types

1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 7/16"-20 (5/8" AF), 1/2"-20,
9/16"-18, 5/8"-18, 3/4"-16, 7/8"-14, 1"-14, 1-1/8"-12, 1-1/4"-12,
1-3/8"-12, 1-1/2"-12, 1-3/4"-12, 2-12



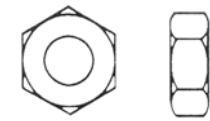
Grade C (A325) Heavy Hex Nuts USA

Available Finishes: Plain, Zinc

Grade C (A325) Heavy Hex Nuts USA

Thread Types

1/2"-13, 5/8"-11, 3/4"-10, 7/8"-9, 1"-8,



Hex Machine Screw Nuts

Available Finishes: Zinc

Hex Machine Screw Nuts NC

Thread Types

2"-56, 3"-48, 4"-40, 5"-40, 6"-32, 8"-32, 10"-24, 12"-24,
1/4"-20, 5/16"-18, 3/8"-16

Hex Machine Screw Nuts NF

Thread Types

2"-64, 3"-56, 5"-44, 6"-40, 10"-32, 12"-28, 1/4"-28, 5/16"-24, 3/8"-24



Nylon Insert Locknuts,

Available Finishes: Zinc

Nylon Insert Locknuts NC

Thread Types

8"-32 (NM), 10"-24 (NM), 12"-24 (NM), 1/4"-20 (NE), 5/16"-18 (NE),
3/8"-16 (NE), 7/16"-14 (NE), 1/2"-13 (NE), 9/16"-12 (NE),
5/8"-11 (NE), 3/4"-10 (NE), 7/8"-9 (NE), 1"-8 (NE), 1-1/8"-7 (NE),
1-1/4"-7 (NE), 1-1/2"-6 (NE)

Nylon Insert Locknuts NF

Thread Types

10"-32 (NM), 1/4"-28 (NE), 5/16"-24 (NE), 3/8"-24 (NE),
7/16"-20 (NE), 1/2"-20 (NE), 9/16"-18 (NE), 5/8"-18 (NE),
3/4"-16 (NE), 7/8"-14 (NE), 1"-14 (NE), 1-1/8"-12 (NE),
1-1/4"-12 (NE), 1-1/2"-12 (NE)



Hex Coupling Regular Nuts

Available Finishes: Zinc

Hex Coupling Regular Nuts NC

Thread Types

10"-24 x 5/16" x 3/4", 1/4"-20 x 7/16" x 1-3/4",
5/16"-18 x 1/2" x 1-3/4", 3/8"-16 x 9/16" x 1-3/4", 7/16"-14 x 5/8" x
1-3/4", 1/2"-13 x 11/16" x 1-3/4", 5/8"-11 x 13/16" x 2-1/8",
3/4"-10 x 1" x 2-1/4", 7/8"-9 x 1-1/4" x 2-1/2"

Hex Coupling Economy Nuts NF

Thread Types

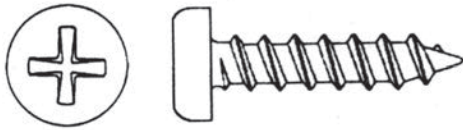
1/4"-28 x 3/8" x 7/8", 5/16"-24 x 7/16" x 7/8",
3/8"-24 x 1/2" x 1-1/8", 7/16"-20 x 9/16" x 1-1/4",
1/2"-20 x 5/8" x 1-1/4", 5/8"-18 x 13/16" x 2-1/8",
3/4"-16 x 1" x 2-1/4", 7/8"-14 x 1-1/4" x 2-1/2"

Stainless Steel Nuts Available Upon Request

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



SHEET METAL SCREWS STUDS/TOGGLES/LAG SHIELDS



Tapping Screw Pan Head Phillips

Available in Carbon and Stainless Steel

Sizes

Diameter	Lengths
#4	1/4, 3/8, 1/2, 5/8, 3/4, 1
#6	1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 2
#7	1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2
#8	1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#10	3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#12	3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#14	1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3



Tapping Screw Indented Hex Washer Head Slotted

Available in Carbon and Stainless Steel

Sizes

Diameter	Lengths
#4	1/4, 3/8, 1/2, 5/8, 3/4
#6	1/4, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2
#7	1/2, 3/4, 1
#8	1/4, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#10	3/8, 1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#12	1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3
#14	1/2, 5/8, 3/4, 7/8, 1, 1-1/4, 1-1/2, 1-3/4, 2, 2-1/2, 3



Hanger Stud

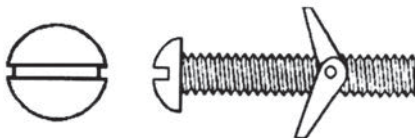
Gimlet point for wood applications

Sizes - Steel/Zinc

Diameter	Lengths
8-32	1"
10-24	1-1/2", 2", 2-1/2", 3"
1/4-20	1-1/2", 2", 2-1/2", 3", 3-1/2"
5/16-18	2-1/2", 3"
3/8-16	2-1/2", 3", 3-1/2", 4"

Sizes - Steel/Plain

Diameter	Lengths
10-24	1-1/2", 2", 2-1/2", 3"
1/4-20	2", 2-1/2", 3", 3-1/2"
5/16-18	2-1/2", 3"
3/8-16	2-1/2", 3", 3-1/2"



Toggle Bolt Round Head Slotted

Diameter	Lengths
1/8-32	2, 3, 4
3/16-24	2, 3, 4, 5, 6
1/4-20	2, 3, 4, 5, 6
5/16-18	3, 4, 6
3/8-16	4, 6



Lag Shield Insert

Diameter	Lengths
1/4	(S) 1, (L) 1/2
5/16	(S) 1-1/4, (L) 1-3/4
3/8	(S) 1-3/4, (L) 2-1/2
1/2	(S) 2, (L) 3
5/8	(S) 2, (L) 3-1/2
3/4	(S) 2, (L) 3-1/2

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Framing-Sinkers

- 1lb. - 5 lb. - bulk coated



Length

2", 2-1/2", 3-1/4", 3-1/2"

Finish Nails

- 1lb. - 5 lb. - bulk brite finish



Length

1-1/2", 2", 2-1/2"

Tension Nails

- 1lb. - 5 lb. - bulk boxes



Length

1-1/8"

EG Roofing Nails

- 1lb. - 5 lb. - bulk coated

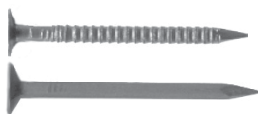


Length

1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3"

Drywall Nails

- 1lb. - 5 lb. - bulk boxes, cupped head



Length

1-3/8", 1-5/8"

Concrete Nails

- Fluted shank for fast penetration into "uncured" concrete.
- 3/4" penetration into the concrete is recommended
- Hot Dipped Galvanized



Length

3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 3", 3-1/4", 4", 4-1/2", 5, 5-1/2", 6", 7", 8"

Copper and 304 Stainless Steel Roofing Nails

- 1lb. - 5 lb. - bulk Boxes



Gauge

12

11

10

Lengths

3/4", 1", 1-1/4", 1-1/2", 2"

3/4", 1", 1-1/4", 1-1/2", 2"

1", 1-1/4", 1-1/2", 2", 3"

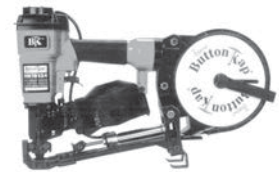
Plastic Cap Nails

- Bulk Boxes
- Fastening roof felt to decks



Leg Length

3/4", 7/8", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3"



ButtonKap Plus

ButtonKap Nailer and Roofing Nailer

Strip Crown Staples

Available Finish: Brite -
Electro Galvanized - Hot Dip



Narrow Crown (3/16")

18 gauge

Length

1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"

Medium Crown (1/2")

16 gauge

Length

3/4", 1", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2"

Wide Crown (15/16")

16 gauge

Length

5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2"

Coil Nails



Framing

Smooth or Ring Shank Diameters

.099", .120", .131"

Length

2", 2-3/8", 3", 3-1/4", 3-1/2"

Roofing

Length

7/8", 1", 1-1/4", 1-1/2", 1-3/4"

Diameter

.120"

Strip Nails



Framing (strip)

Diameters

.113", .120", .131"

Length

2", 2-3/8", 3", 3-1/4", 3-1/2"

Finish



Length

3/4", 1", 1-1/4", 1-1/2", 2"

Senco, Paslode, Porter Cable, Hitachi, and Bostitch are registered trademarks.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Ramset®
DRIVING JOBSITE SPEED

FASTENING SYSTEMS



TRAKFAST TF1200

- Gas Technology
- Fully Automatic
- 1-1/2" Pin Capacity
- 42 Pin Magazine Capacity
- Length: 17.5"
- Height: 15"
- Weight: 7.9 lbs.
- Maximum cycles/second: 2
- Fuel cell: 1000 shots
- Battery (charged): 3000 shots

ADVANTAGES

- **INCREASED DURABILITY AND RELIABILITY**
- **OFF POSITION TO PREVENT DRAINING THE BATTERY** when tool is not in use.
- **THREE TO FIVE TIMES FASTER** than powder tools. 42-pin magazine reduces load time.
- **EASY TO USE.** Tool automatically resets piston. No recoil, tool absorbs shock resulting in less operator fatigue.
- **NO LICENSING REQUIRED.** Unlike powder-actuated tools, no licensing is required.
- **NO CHANGING LOADS.** TrakFast uses a fuel cell, not a load. No need to inventory different colored loads.
- **NARROW NOSE & PROFILE** allows tool to reach inside deep leg track (1-5/8" wide x 2" high).
- **2 YEAR WARRANTY** (6 months on wearable parts).



Gas Technology

T3MAG
Gas Technology
45-Pin Magazine
Fuel Injection
Cross Over Technology



ADVANTAGES

- Higher stick rate
- 25% more power
- Easy push down force
- Deep leg track capacity
- 45-pin magazine capacity
- Fitted dust shield
- Battery charger provides constant charging & low voltage drops
- 2 Year Warranty (6 months on wearable parts).
- No license Required

SPECIFICATIONS

- Length: 18-1/2"
- Height: 15"
- Weight: 9.2 lbs.
- Pin Guide O.D.: .590
- Maximum Pin Length: 1"

Gas Technology

T3SS
Gas Technology
Single Pin Gas Tool
Fuel Injection
Cross Over Technology



For information on our full line of accessories for your T150 or T3SS, see pages 28-29.

ADVANTAGES

- Sets the standard for single-shot applications
- 5 times faster than traditional drill and anchor methods
- Replaces the need for tools like the DX35
- Reduced operator fatigue
- Reduced installation costs—up to 75%
- Quiet enough to work in tenant occupied buildings
- Removable rear foot
- 2 Year Warranty (6 months on wearable parts).

SPECIFICATIONS

- Length: 13-1/2"
- Height: 15"
- Weight: 7.0 lbs.
- Pin Guide O.D.: 1/2" Standard, 7/8" Magnetic
- Maximum Pin Length: 1-1/2"

VERSATILE, fastens to solid concrete, hollow block, pan deck and steel.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



DCN890 20V MAX*

- Powered by 20V XR 5.0Ah Li-ion battery for extended run time (480 shots per charge in steel and 580 in concrete)
- DEWALT proprietary pins (13mm - 57 mm) gives a complete solution
- 3-Speed control (13,000, 14,000 and 15,000 RPM) enables fastening of different materials, saves time
- Removal foot gives more stability and reduces slipping
- Battery indicator provides warning information for ease of use
- Single or rapid mode selector for faster work completion
- Narrow nose for easy access
- Quick release for nose piece for ease and speed
- Stall indicator for easy diagnostics
- Stall release, tool free for ease and speed








COMPATIBLE PINS

	DESCRIPTION	QTY
CONCRETE	DCN890075 DEWALT CCN PIN 3/4" X .102" (Z)	1000
	DCN890100 DEWALT CCN PIN 1" X .102" (Z)	1000
	DCN890125 DEWALT CCN PIN 1-1/4" X .102" (Z)	1000
	DCN890150 DEWALT CCN PIN 1-1/2" X .102" (Z)	1000
	DCN890225 DEWALT CCN PIN 2-1/4" X .137" (T Z)	500
	DCN891075 DEWALT CCN PIN 3/4" X .145" (Z)	1000
STEEL	DCN8910500 DEWALT CCN PIN 1/2" X .120" (Z)	1000
SPECIALTY	DCN8941380 DEWALT CCN PIN 1-3/8" X .108" (Z)	1000
	DCN8910680 DEWALT CCN PIN .680" X .120" / .102" (S YZ)	1000
	DCN8917300 DEWALT CCN PIN .730" X .120" / .102" (S YZ)	1000
	DCN8907804 DEWALT CCN PIN .780" X .102" / .088" (K S Z)	1000

K: Knurled S: Step T: Tapered YZ: Yellow Zinc Z: Zinc

COMPATIBLE ACCESSORIES

DCN8901 REPLACEMENT DRIVER BLADE	DCN8902 MAGNETIC STICK-E™ CONTACT TRIP	DCN8903 STICK-E™ CONTACT TRIP	DCN8904 STANDARD/DRYWALL CONTACT TRIP
			
DCN8905 POLE TOOL			
			



DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Depth adjuster
Get optimal pin performance by adjusting the setting based on type of base material.

**Improved Stick Rate
Better Reliability**
Operating Temperature: 5°F to 122°F
Light-weight: Only 7.6 lbs
Battery Capacity: 3,500 shots

Auto Shut Off/On
Won't drain the Li-Ion battery when not in use

Fuel cell included in every box of fasteners
Never have to stall a job

Fuel and battery gauges
No interruptions in your day because you always know where your tool stands

Integrated Cap
Closed cap creates thermal break.
99.5% thermally efficient when cap is closed

Washer Diam. 2-3/8"
Large bearing surface keeps insulation from sagging

Concrete and CMU

Steel and Wood Stud

INSULATION THICKNESS	CONCRETE OR BLOCK PART NO.	STEEL OR WOOD PART NO.	BOX QTY
1"	T4FC-100	T4FS-100	500
1-1/2"	T4FC-112	T4FS-112	500
2"	T4FC-200	T4FS-200	500
2-1/2"	T4FC-212	T4FS-212	500
3"	T4FC-300	T4FS-300	500
3-1/2"	T4FC-312	T4FS-312	500
4"	T4FC-400	T4FS-400	500
5"	T4FC-500	T4FS-500	500
6"	T4FC-600	T4FS-600	400
Tool	T4F	T4IF	1

STEEL OR WOOD

Ramset I-F Insulation Fastening System

Installs in seconds

- Up to 4x faster than stick pins
- One-step installation
- Eliminates all fastener-related pre/post work

Reduces injuries

- Fewer hand injuries from sharp stick pins
- Less recoil than powder tools
- Reduced torque than screw installations

Meets rigorous industry standards

- First to market and third-party tested/approved
- Recommended by multiple insulation manufacturers

Reduces thermal bridging

- Integrated cap creates thermal break
- Saves energy – reduces building heating and cooling costs
- Up to 27x more efficient than other methods

Performs in multiple environments

- Works with insulation up to 6 inches thick
- Attaches directly to concrete, block, steel stud, and wood
- Works in all weather conditions

Steel & Wood Pin Anatomy (IFS)

Concrete & CMU Pin Anatomy (IFC)

Ramset-I-F will fasten into:

CONCRETE OR BLOCK

Performance Data

		Insulation Thickness					
		1 in	2 in	3 in	4 in	5 in	6 in
Reference	U – Factor (W/m ² °C)	1.1786	0.7122	0.5103	0.3976	0.3257	0.2758
	Efficiency (%)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Stick Pin	U – Factor (W/m ² °C)	1.2422	0.7706	0.5597	0.4397	0.3621	0.3078
	Efficiency (%)	94.88%	92.42%	91.17%	90.43%	89.94%	89.59%
Ramset I-F	U – Factor (W/m ² °C)	1.1845	0.7162	0.5132	0.3999	0.3276	0.2773
	Efficiency (%)	99.50%	99.45%	99.44%	99.43%	99.42%	99.42%

CONCRETE

PART NUMBER SERIES	CONCRETE STRENGTH (PSI)	ALLOWABLE/ULTIMATE TENSION LOADS (Lbs)
IFC	3600 - 6500	35 - 211

HOLLOW CONCRETE BLOCK

PART NUMBER SERIES	ALLOWABLE/ULTIMATE TENSION LOADS (Lbs)
IFC	35 - 184

STEEL STUDS

PART NUMBER SERIES	SHANK DIAMETER (INCH)	INSTALLED IN COLD FORMED STEEL FRAMING (lb/ft)					
		22 Gage	20 Gage	18 Gage	16 Gage	14 Gage	12 Gage
IFS (Knurled)	0.100	20 - 120	33 - 200	46 - 280	60 - 360	62 - 371	75 - 448

WOOD

PART NUMBER SERIES	SHANK DIAMETER (INCH)	INSTALLED IN 15/32" (1/2" NOMINAL) 4 PLY PLYWOOD SHEATHING (lb/ft)
IFS (Knurled)	0.100	16 - 93

Add this specification to the project...

Specification: CSI Division 07-Thermal and moisture protection insulation shall be mechanically fastened to the building substrate or component with Ramset I-F Thermal-Break insulation fasteners from Illinois Tool Works.

Evaluations:

ICC-ESR-1955
ASTM E331 (Water Penetration)
ASTM E2178 (Air Leakage)
ASTM E84 (Surface Burning Characteristics)

Fastener Specifications:

- Pin Material: Heat treated carbon steel
- Pin Finish: Mechanical Zinc Plated
- Washer Material: High Density Polyethylene (HDPE)
- Pin Diameter: ~0.125" for concrete, 0.100" for steel
- 2-3/8" Holding Diameter
- Each fastener has clear branding along with length of fastener assembly

For tool repair, please visit
www.ramsetrepair.com
or call 800-222-6990.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Specifications



XT540

- Ramset .27 Caliber Semi-Automatic 3" Pin Capacity Powder Actuated Strip Tool
- Cut down on work time for all building tasks
- Powerful and adjustable motor

.27 caliber	10-shot strip loads 3 (Green) 4 (Yellow) 5 (Red)
Pin capacity	.157" up to 2" washered pin.



RA27

- Fully Automatic.
- 2" pin capacity.
- 3-year warranty.
- .27 caliber loads (green, yellow, red).

.27 caliber	Single-shot loads 3 (Green) 4 (Yellow) 5 (Red)
Weight	5.3 pounds
Pin capacity	2"



COBRA

- Semi-automatic.
- 2 1/2" pin capacity (3" w/washer).
- Uses LoadSaver™ 10-shot strip loads.
- Low velocity piston drive tool provides added safety on the job

Weight	4 1/2 pounds
Length	13 1/4"
Muzzle bushing O.D.	9/16"
.27 caliber	10-shot strip loads 3 (Green) 4 (Yellow) 5 (Red)
Pin capacity	2 1/2" (3" w/washer)



SA270

- Semi-automatic
- 2 1/2" pin capacity (3" w/washer)
- 5-year warranty
- Uses LoadSaver™ 10-shot strip load

.27 caliber	10-shot strip loads 3 (Green) 4 (Yellow) 5 (Red)
Weight	5 3/4 pounds
Length	15 inches
Muzzle bushing O.D.	5/8"
Pin capacity	2 1/2" (3" w/washer)



VIPER

- Semi-automatic.
- 30% faster overhead attachment.
- Uses LoadSaver™ 10-shot strip load.

.27 caliber	10-shot strip loads
Weight	4.5 pounds
Pin capacity ceiling clips	1 1/4"
Length	17 inches

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

PowerPoint™ Pins for Hard Concrete and Steel Fastening



Selection Chart for Base Steel Thickness

Material	3/16"	1/4"	3/8"	1/2"	3/4"
1/4" Plywood	SP58*	SP34*	SP78**	SP78**	SP78**
3/8" Plywood	SP58*	SP34*	SP78**	SP78**	SP78**
1/2" Plywood	SP100**	SP100**	SP100**	SP100**	SP100**
3/4" Plywood	SP114**	SP114**	SP114**	SP114**	SP114**
2' x 4' Plate	SP178**	SP178**	SP178**	SP178**	SP178**
10 ga. to 12 ga.	SP58*	SP34*	SP34*	SP78**	SP58**
13 ga. to 17 ga.	SP12*	SP58*	SP34*	SP34**	SP58**
18 ga. to 25 ga.	SP12*	SP58*			

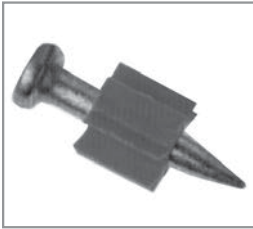
* For use with all Ramset Powder Tools

** For use with all Ramset Powder Tools except the Model 721

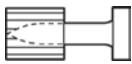
Selection Chart for Product

Part Number	Nom. Shank Diameter	Shank Length In.	Shank Length mm	Box Qty.
SP12	.150	1/2	(12.7)	100
SP58	.150	5/8	(15.9)	100
SP34	.150	3/4	(19.1)	100
SP78	.150	7/8	(22.2)	100
SP100	.150/.180	1	(25.4)	100
SP114	.150/.180	1-1/4	(31.8)	100
SP112	.150/.180	1-1/2	(38.1)	100
SP178	.150/.180	1-7/8	(47.6)	100

For optimum results in hard steel, use the D45 powder actuated tool.

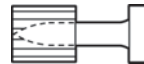


Black Track Pins



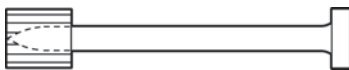
- .300 head diameter drive pins.
 - Designed for use in concrete and structural steel applications.
 - Available in 100 or 1000 pack.
- Lengths: 1/2", 3/4", 1"

PowerPoint Pins



- Premium steel and hard concrete pin.
 - Pin for fastening into harder steel and concrete.
 - 100 Pin Pack
- Lengths: 1/2", 5/8", 3/4", 7/8"

Drive Pins



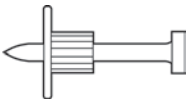
- .300 head diameter drive pins.
 - Designed for use in concrete and structural steel applications.
 - 100 pin pack.
- Lengths: 1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-3/8", 2-1/2", 3"

PowerPoint Step Shank Pins



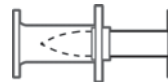
- Premium steel and hard concrete pin.
 - Pin for fastening into harder steel and concrete.
 - 100 pin pack.
- Lengths: 1", 1-1/4", 1-1/2", 1-7/8"

Drive Pins



- .300 head diameter drive pins with 7/8" washer.
 - Washer increases bearing surface against the material to be fastened.
 - 100 pin pack.
- Lengths: 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3"

Top Hat Drive Pins



- .300 head diameter top-hat.
 - Increases the bearing surface against the material to be fastened for improved attachment to inconsistent base materials in 100 pin pack and 1000 pack.
- Lengths: 1/2", 3/4", 1"

Ramset Loads for Low Velocity Tools

Model	P.N.	Part Level	Power Color	Case Color	Caliber Type	Packaging
D60/D60L	2D60	2	Brown	Brass	.25 Disc	10 Discs/Box
D45/D45A	3D60	3	Green	Brass	.25 Disc	10 Discs/Box
AutoFast	4D60	4	Yellow	Brass	.25 Disc	10 Discs/Box
D45/D45A and AutoFast	5D45	5	Red	Brass	.25 Disc	10 Discs/Box
721	12CW	1	Gray	Brass	.22 Single	100/Box
4170	32CW	3	Green	Brass	.22 Single	100/Box
M70	42CW	4	Yellow	Brass	.22 Single	100/Box
SA270	3RS27	3	Green	Brass	.27 Strip	10 Strips/Box
Cobra	4RS27	4	Yellow	Brass	.27 Strip	10 Strips/Box
Viper	5RS27	5	Red	Brass	.27 Strip	10 Strips/Box
MD380	4RL27	4	Yellow	Brass	.27 Single	100/Box
MD380	5RL27	5	Red	Brass	.27 Single	100/Box
MD380	6RL27	6	Purple	Brass	.27 Single	100/Box
L1600	L674	4	Yellow	Brass	.22 Single	100/Box

Ramset Loads for Hilti Tools

Model	P.N.	Power Level	Color	Case Color	Caliber Type	Packaging
DX-350, DX-351	3RS27	3	Green	Brass	.27 Strip	10 Strips/Box
DX-350, DX-351	4RS27	4	Yellow	Brass	.27 Strip	10 Strips/Box
DX-36M, DX-451	5RS27	5	Red	Brass	.27 Strip	10 Strips/Box
DX-451	6RS27	6	Purple	Brass	.27 Strip	10 Strips/Box
DX-600N	4RL27	4	Yellow	Brass	.27 Single	100/Box
DX-600N	5RL27	5	Red	Brass	.27 Single	100/Box
DX-600N	6RL27	6	Purple	Brass	.27 Single	100/Box
DXE37	12CW	1	Gray	Brass	.22 Single	100/Box
DXE72	22CW	2	Brown	Brass	.22 Single	100/Box
DXE72	32CW	3	Green	Brass	.22 Single	100/Box
DXE72	42CW	4	Yellow	Brass	.22 Single	100/Box



1000-Pak/100 Strips/Box
Hilti® is a registered trademark of Hilti Corp.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

SIZES

MECHANICAL PIN WITH WASHER

Used for the attachment of light gage metal to concrete and steel such as HVAC duct strap to concrete

PLATED PIN PREASSEMBLED TO A 1/2" DOMED WASHER. 200 PER BOX.



PART NUMBER	DESCRIPTION	M150	E150/ T150	R150*	T3SS*
M012	1/2" Plated step pin with domed washer	■		■	■
M034	3/4" Plated pin with domed washer	■		■	■
M034BB	3/4" Premium step pin with domed washer	■		■	■
M100	1" Plated pin with domed washer	■		■	■

Shank diameter = .125, Step Pin .104/.118

Head diameter = .300 (M012 = .250)

* Will fit R150 & T3SS with optional work contact element, P/N: M150200

1/4-20 THREADED STUD

Used to attach electrical components to concrete where removability of the component is required

PLATED THREADED STUD. 200 PER JAR.



PART NUMBER	THREAD LENGTH	SHANK LENGTH	M150	E150/ T150	R150	T3SS
14STUD	1/2"	5/8"		■	■	■

Shank diameter = .125,

TOP HAT PIN

Used for general purpose fastening to concrete

PLATED PIN WITH TOP HAT. 200 PER JAR.



PART NUMBER	DESCRIPTION	M150	E150/ T150	R150	T3SS
MP034TH	3/4" Plated pin with top hat		■	■	■

Shank diameter = .125

Head diameter = .300

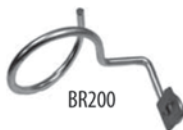
BRIDLE RING

Pre-Assembled 2" Bridle Ring supports low voltage, data com, signal, and control cables

50 PER BOX.



BR2



BR200



BR2S

PART NUMBER	DESCRIPTION	E150/ T150	R150	T3SS
BR2	2" bridle ring	■	■	■
BR200*	2" bridle ring w/o fastener, w/attached washer	■	■	■
BR2S	2" bridle ring saddle	■	■	■

Shank diameter = .125

* For use when fastening with, Powder Actuated Tools, Tapcon, or conventional drill and anchor methods.



It's time to get twisted!

We offer a full line of standard and custom pre-tied wires for fastening into metal, wood, or concrete. Our fasteners, clips, and tools assure a positive connection and easy installation.

With our in-house production, we produce high quality ties and quick delivery.

All pre-tied wires come 100 per bundle.

1 1/4" Angle Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

7/8" BP Angle Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Double Tied 1 1/4" Angle Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

1 1/4" BP Angle Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.*	
18 ft.*	
20 ft.*	

*Pre-tied to tie wire wedge

Tie Wire Wedge Anchor



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Tie Wire Spike Anchor



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Ramset Angle Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Z Purlin Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Vertical Joist Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Acoustical Eye Lag



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Eye Lag Tek



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

2 3/4" Eye Lag Tek



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Beam Clip



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Straight Wire 12 Gauge



Wire Length	Price
4 ft.	
6 ft.	
8 ft.	
10 ft.	
12 ft.	
14 ft.	
16 ft.	
18 ft.	
20 ft.	

Choose a wire from our standard lengths

Wire size and load capacity

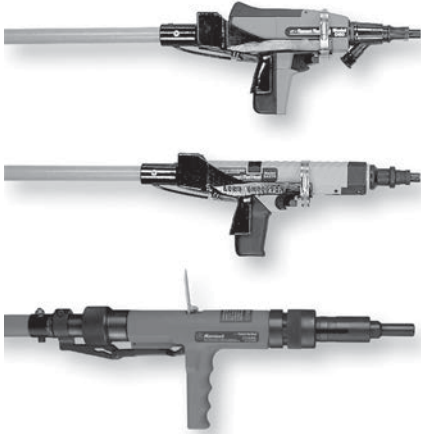
12 gauge (.105") Ultimate weight capacity of 600 lbs.

* 9 gauge (.147") Ultimate weight capacity of 1,190 lbs.

100 PIECES/BUNDLE ON ALL PRE-TIED WIRES.*

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Use with Twister Pre-Tied Wire!



Can be used with various
Ramset actuated tools

Extension Poles

Quality Ramset extension poles provide the convenience of using powder actuated tools for overhead fastening without the need for scaffolding or ladders.

Part Numbers For Ramset Tools

PTSEMI6 (6') and PTSEMI8 (8') for use with:

D60—our premier semi-automatic tool, featuring power level adjustment and no-waste disc loads.

SA270—high-quality .27 caliber strip tool for general purpose applications.

D45A—most durable, high-power, semi-automatic tool for hard concrete and steel applications.

MD380—popular 3/8" head diameter tool.

721 The industry preferred tool for the drywall trade.

PTSEMI6 (6') and PTSEMI8 (8') for use with:

Cobra

VIPER

Fixed-length
extension poles

6' #VPOL6

8' #VPOL8

Telescoping extension poles
adjustable in 1 foot increments

6'-12' #TVPOL612

6'-18' #TVPOL618

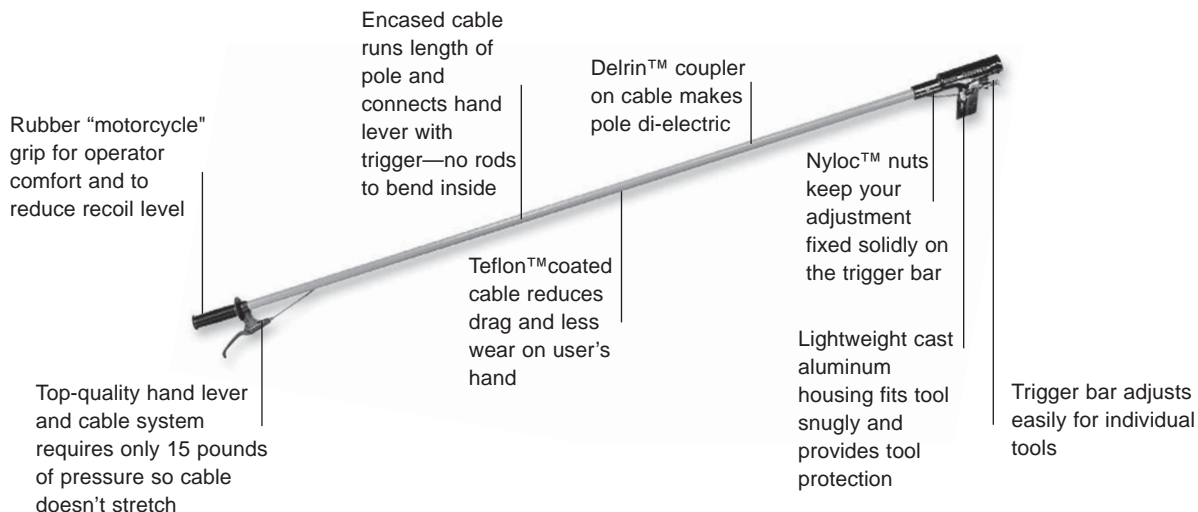
Applications



Ramset Pole Tools are an excellent choice for high-reach fastening applications.



Fast, easy installation from floor level eliminates lift baskets, scaffolds and ladders.



DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Gripple®



Overview

- Up to six times faster to install traditional hanging systems.
- Available in kits with a length of cable, pre-crimped end fixing, Gripple fastener, and release/setting key.
- 5:1 safety factor
- No. 1 - SWL 25 lbs.
- No. 2 - SWL 100 lbs.
- No. 3 - SWL 200 lbs.
- No. 4 - SWL 495 lbs.
- No. 5 - SWL 715 lbs.

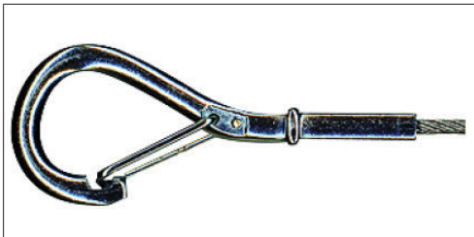
STUD



Overview

- For anchoring into concrete ceilings, metal decking and pressed metal brackets
- Supplied with drop-in anchors (as standard) or nuts as required
- Available in 1/4" and 3/8", up to 495 lbs SWL, 5:1 safety factor
- Comes as a complete kit with cable and Gripple

HOOK

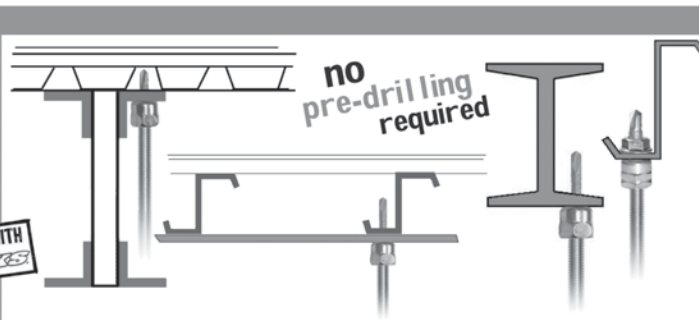


Overview

- Quick and easy attachment for clips, brackets, light fittings and other existing structures.
- Ideal for services that require access or maintenance.
- Available up to 200 lbs SWL, with a 5:1 safety factor.
- Comes as a complete kit with cable, Gripple and setting key.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

SAMMYS® for Steel *Installs VERTICALLY into the bottom of steel structures easily and quickly!*



Product Features

- Made with Tek® self-drilling fasteners - no pre-drilling required.
- Install into steel range from 22 gauge - 1/2" thicknesses.
- Saves time from traditional methods.
- Reduces installation cost.
- Quick to install using the Sammy Nut Driver with an 18V cordless drill/driver.

Approvals	Rod Size	Part Number	Model	Screw Descriptions	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Min Thick	Max Thick	Box Qty	Case Qty
	1/4"	8024957	DSTR 100 *	1/4-20 x 1" TEKS 3	1510 (20 ga.)			.036"-20 ga	3/16"	25	125
	1/4"	8025957	DST 100	1/4-14 x 1" TEKS 3	446 (20 ga.)			.036"-20 ga	3/16"	25	125
	1/4"	8026957	DST 150	1/4-14 x 1-1/2" TEKS 3	970 (16 ga.)			.036"-20 ga	3/16"	25	125
	1/4"	8027957	DST 200	1/4-14 x 2" TEKS 3	446 (20 ga.)			.036"-20 ga	3/16"	25	125
	1/4"	8030957	TEK 500	12-24 x 1-1/2" TEKS 5	3125 (3/16")			.187"-3/16"	1/2"	25	125
	3/8"	8038957	DSTR 1 *	1/4-20 x 1" TEKS 3	1510 (20 ga.)	1500	1475	.036"-20 ga	3/16"	25	125
	3/8"	8037957	DSTR 1-1/2 *	12-24 x 1-1/2" TEKS 5	1510 (3/16")	1500	1475	.060"-16 ga.	1/2"	25	125
	3/8"	8039957	DSTR 516 *	5/16-18 x 1-1/4" TEKS 3	2200 (20 ga.)	1500	1475	.036"-20 ga	1/8"	25	125
	3/8"	8040957	DST 10	1/4-14 x 1" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8077925	DST 10-SS	1/4-14 x 1" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8041957	DST 15	1/4-14 x 1-1/2" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8078925	DST 15-SS	1/4-14 x 1-1/2" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8042957	DST 20	1/4-14 x 2 TEKS* 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8043957	DST 25	1/4-14 x 2-1/2" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8044957	DST 30	1/4-14 x 3" TEKS 3	446 (20 ga.) 970 (16 ga.)			.036"-20 ga	3/16"	25	125
	3/8"	8045957	DST 516	5/16-18 x 1-1/4" TEKS 3	1500 (3/16")	1500	1475	.125"-1/8"	1/8"	25	125
	3/8"	8046957	TEK 50	12-24 x 1-1/2" TEKS 5	3125 (3/16")	1500	1475	.187"-3/16"	1/2"	25	125
	1/2"	8031925	DST 2.0	1/4-14 x 2" TEKS 3	446 (20 ga.) 970 (16 ga.)			.188"-3/16"	1/4"	25	125
	1/2"	8033925	DSTR 1.0 *	1/4-20 x 1" TEKS 3	1510 (20 ga.)			.036"-20 ga	3/16"	25	125
	1/2"	8034925	DSTR 5.16 *	5/16-18 x 1-1/4" TEKS 3	2220 (20 ga.)			.036"-20 ga	1/8"	25	125
	1/2"	8035925	DST 5.16	5/16-18 x 1-1/4" TEKS 3	1500 (3/16")			.125"-1/8"	1/8"	25	125
	1/2"	8036925	TEK 5.0	12-24 x 1-1/2" TEKS 5	3125 (3/16")			.187"-3/16"	1/2"	25	125

*Includes retaining nut



#14 Black Nut Driver
Part # 8113910



#14 SW Red Nut Driver
Part # 8114910

SAMMY Swivel Head® for Steel *Installs VERTICALLY and swivels up to 17° in steel structure*



Product Features

- Eliminates distortion of threaded rod in sloped roof applications.
- Accommodates 3-1/2 x 12 pitch.
- Installs into angled Z-Purlin; Allows threaded rod to hang plumb.
- Allows 17° deflection from vertical.

Approvals	Rod Size	Part Number	Model	Screw Descriptions	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Min Thick	Max Thick	Box Qty	Case Qty
	3/8"	8137957	SH-DSTR 1 *	1/4-20 x 1"	3220 (3/16")	1500	1475	.035"	3/16"	25	125

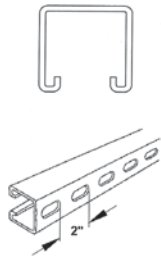
*Includes retaining nut

(Does not comply with ROHS requirements)



#14 Black Nut Driver
Part # 8113910

SPECIAL NUT DRIVER SYSTEM: The nut drivers were designed with a unique spin-off feature which provides a fast and safe installation each time. When the face of the driver comes into contact with the material you are installing into, continue drilling until nut driver spins free. Installation is then complete. Warranty requires the use of the appropriate nut driver for installations.



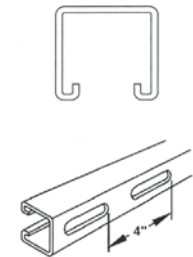
Channel Frame Model No. A12H

Description	Colors
1 5/8" ga. 10' half slot	aluminum, green, pre-galv.



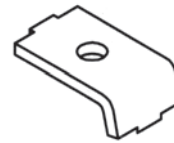
Channel Frame Model No. BC26

Description	Model Number
Universal beam clamp 1/4"	bc26



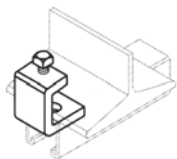
Channel Frame Model No. A12S

Description	Colors
1 5/8" ga 10' full slot	aluminum, green, pre-galv



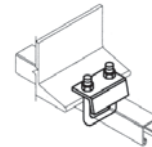
Channel Frame Model No. BC20

Description	Model Number
Beam clip	bc200000eg



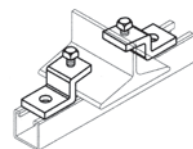
Channel Frame Model No. BC18

Description	Size
Channel I-beam clamp	3/8", 1/2"



Channel Frame Model No. BC17A, BC17D, BC17

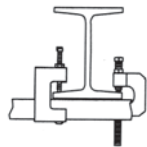
Description	Model Number
Channel beam clamp assembly for a,b,c & m channel	BC17A
Channel beam clamp assembly for d & e channel	BC17D
Plate only for bc17 beam clamp	BC17PL



Channel Frame Model No. BC21

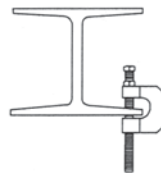
Description	Model Number
Z beam clip	bc21

STRUT CLAMPS

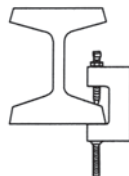


NOTE: WHEN USED AS A STRUT HANGER THE MINIMUM REQUIRED IS TWO

BEAM CLAMPS



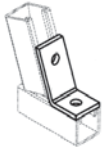
UP TO 1" FLANGE



3/4 TO 1 5/8" FLANGE

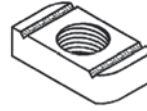
- More versatile alternative to window bracket or standard beam clamp.
- Strut to beam flanges up to 3/4" thickness for 1 5/8" deep strut.
- Fits C purlin with 3/4" lip height (max) when used with 1-5/8" deep strut.
- Lock nut and hardened cup point setscrew provide secure grip on tapered sections.
- Corrosive resistant galvanized finish.
- Available in hot dipped galvanized finish. (Special order).
- Permits strut channel opening positioning in any direction.
- For flange sizes up to 1 when used as a beam clamp.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Channel Frame Model No. I46

Description	Angle*
2 hole	7 1/2", 30°, 45°, 60°



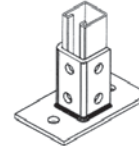
Channel Nuts Model No. nutc

Description	Sizes
Strut nut w/o spring for c channel	1/2", 5/8", 3/4", 7/8"



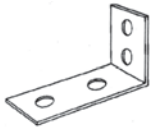
Channel Frame Model No. I11

Description	Size
2 hole corner angle	1 7/8 x 2



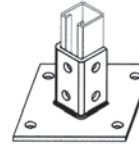
Channel Frame Model No. p09

Description	Part Number
Post base for a channel	p090000eg



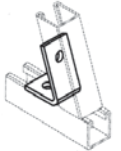
Channel Frame Model No. I21

Description	Part Number
4 hole corner angle	I220000eg



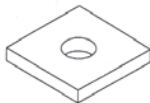
Channel Frame Model No. p11

Description	Part Number
Post base for a channel	p110000eg



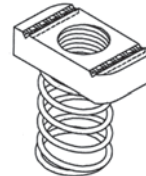
Channel Frame Model No. I47

Description	Angle*
2 hole	30°, 45°, 60°, 82 1/2°



Channel Frame Model Nos. F13, F14, F15, F16, F17, F18

Description	Model Number
Square channel washer 1/4" - 5/16"	f130000eg
Note: 1/4" applications require additional 1/4" washer	
Square channel washer 3/8"	f140000eg
Square channel washer 1/2"	f150000eg
Square channel washer 5/8"	f160000eg
Square channel washer 3/4"	f170000eg
Square channel washer 7/8"	f180000eg



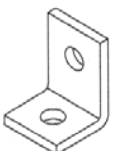
Channel Nuts Model No. spra

Description	Sizes
Spring nut for a&b channel	#8, #10, 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8"



Channel Frame Model No. tsnt

Description	Sizes
Top spring nut for all channel	1/4, 3/8
Top spring nut 1/2	For A, B, D and M channel

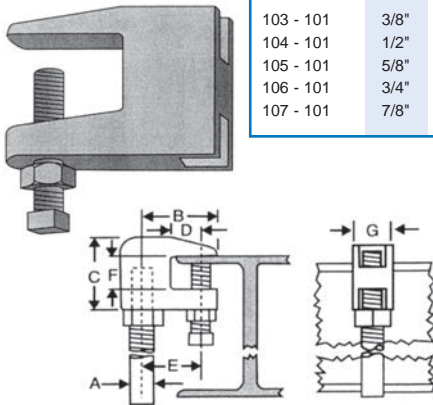


Channel Frame Model No. L10

Description	Model Number
2 hole corner angle (1 5/8 x 2 1/4)	I100000eg

GLOBE

Universal Beam Clamp



Model Number	Photo Reference							Appx. Wt. Per 100 (pcs.)	Maximum Recommended Load (lbs.)	Carton Quantity
	A	B	C	D	E	F	G			
103 - 101	3/8"	1"	1 1/2"	1/2"	1"	3/4"	7/8"	33	400	100
104 - 101	1/2"	1	1 1/2"	1/2"	1"	3/4"	7/8"	33	500	100
105 - 101	5/8"	1 1/2"	1 1/2"	1/2"	1"	3/4"	1"	22	600	50
106 - 101	3/4"	1 7/8"	1 3/4"	5/8"	1 3/8"	1"	1 1/4"	88	800	50
107 - 101	7/8"	2"	1 3/4"	5/8"	1 1/2"	1"	1 1/4"	79	1200	25

Size range: 3/8" through 7/8" rod sizes.

Material: Malleable iron casting with a hardened cup point set screw and lock nut.

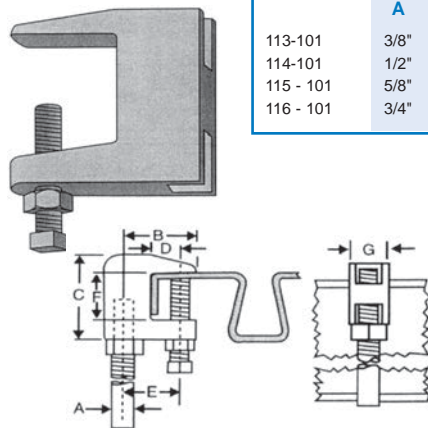
Finish: Black. Ordering: Specify rod size, finish and model number.

Approvals: UL Listed for top or bottom of Beam. FM Approved for NFPA 13, maximum rated pipe size. Complies with Manufacturers Standardization Society SP-69 (Type 19 & 23).

Function: Recommended for attaching hanger rod to top or bottom flange of a beam or bar joist, where the thickness of a joist or flange does not exceed 3/4". The open back design permits rod adjustment.

Installation: Must install in an upright position. Also available in: Electro-Plated Zinc and 304 Stainless Steel.

Wide Throat Beam Clamp



Model Number	Photo Reference							Appx. Wt. Per 100 (pcs.)	Maximum Recommended Load (lbs.)	Carton Quantity
	A	B	C	D	E	F	G			
113-101	3/8"	1-5/8"	2"	3/4"	1"	1 1/4"	7/8"	28	400	50
114-101	1/2"	1-5/8"	2"	3/4"	1"	1 1/4"	7/8"	34	500	50
115 - 101	5/8"	1 3/4"	2 1/4"	3/4"	1 1/4"	1 1/4"	1"	66	600	50
116 - 101	3/4"	1 7/8"	2 3/8"	3/4"	1 3/8"	1 1/4"	1 1/4"	83	800	50

Size range: 3/8" through 3/4" rod sizes.

Material: Malleable iron casting with a hardened cup point set screw and lock nut.

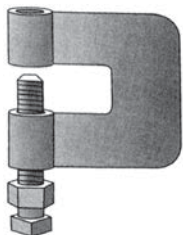
Finish: Black. Ordering: Specific rod size, finish and model number.

Approvals: UL Listed for top or bottom of Beam. FM Approved for NFPA 13, maximum rated pipe size. Complies with Manufacturers Standardization Society SP-69 (Type 19 & 23).

Function: Recommended for attaching hanger rod to top or bottom flange of a beam or bar joist construction. The open back design permits rod adjustment.

Installation: Must install in an upright position. Also available in: Electro-plated zinc.

Steel C-Clamp



Model Number	Photo Reference					Maximum Recommended Load (lbs.)	Appx. Wt. Per 100 (pcs.)	Carton Quantity
	A	B	C	D	E			
203 - 100	3/8"	3/8"	2 3/8"	2 5/16"	13/16"	400	41	100
203 - 101 w/locknut	3/8"	3/8"	2 3/8"	2 5/16"	13/16"	400	45	100
204 - 100	1/2"	1/2"	2 3/8"	2 5/16"	13/16"	500	43	100
204 - 101 w/locknut	1/2"	1/2"	2 3/8"	2 5/16"	13/16"	500	46	100
205 - 100	5/8"	5/8"	2 3/8"	2 1/4"	13/16"	550	58	50
205 - 101 w/locknut	5/8"	5/8"	2 3/8"	2 1/4"	13/16"	550	66	50
206 - 100	3/4"	3/4"	2 3/8"	2 1/4"	13/16"	600	80	50
206 - 101 w/locknut	3/4"	3/4"	2 3/8"	2 1/4"	13/16"	600	86	50
207 - 100	7/8"	3/4"	3"	3 1/4"	13/16"	900	168	25
207 - 101 w/locknut	7/8"	3/4"	3"	3 1/4"	13/16"	900	176	25

Size range: 3/8" through 7/8" rod sizes.

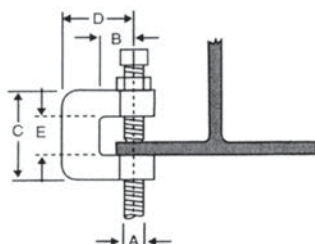
Material: Carbon steel with a hardened cup point set screw and available with or without a lock nut.

Finish: Black. Ordering: Specify rod size; finish; and model number.

Approvals: UL Listing and FM Approved for NFPA 13, maximum rated pipe size. Complies with Federal Specification WW-H 171 E (Type23) and Manufacturers Standardization Society SP-69 (Type 23).

Function: Designed for structural attachment of hanger rod to bottom flange of a metal beam, purlins, channel or angle iron. The hanger rod should make contact with the beam flange to ensure full engagement.

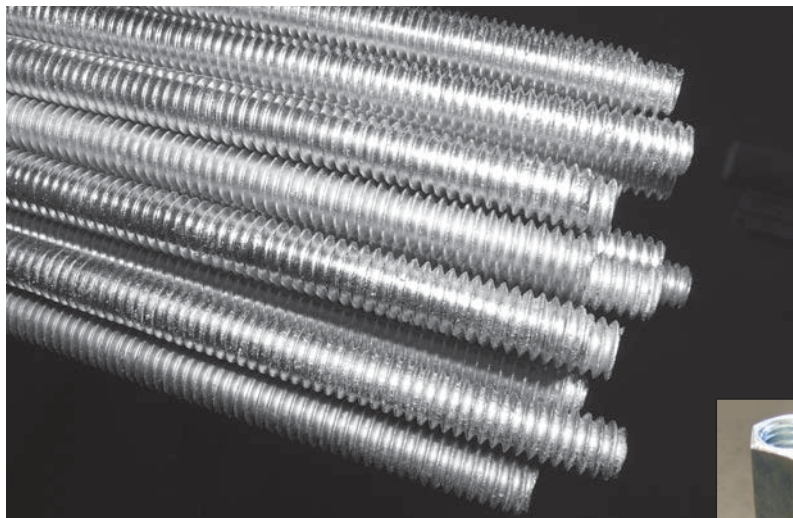
Also available in: Electro plated zinc and 304 stainless steel. Maximum pipe size: 4".



DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



THREADED ROD - CARBON STEEL

VULCAN


**We stock a full line of
rod coupling nuts.**

Threaded Rod - Carbon Steel

National coarse (USS)

Size	Wt Per 100'	Pcs per bundle
1/4-20	11.9	50
5/16-18	19.3	35
3/8-16	28.4	25
7/16-14	39.6	17
1/2-13	51.2	12
9/16-12	67.0	10
5/8-11	83.1	8
3/4-10	121.7	5
7/8-9	167.5	4
1-8	219.0	2
1 1/8-7	280.5	1
1 1/4-7	350.0	1
1 3/8-6	417.2	1
1 1/2-6	504.7	1
1 3/4-5	690.0	1
2-4 1/2	904.0	1
2 1/4-4 1/2	1180.0	1
2 1/2-4	1460.0	1

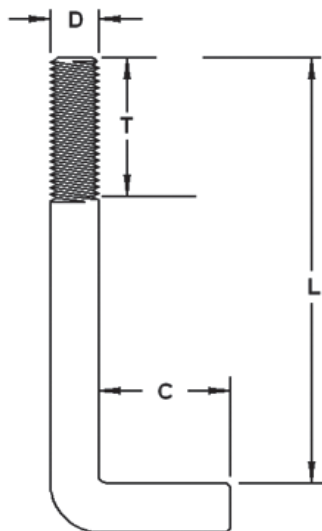
Finishes: plain oil or zinc

Stock lengths:

Right hand threads-2', 3' 6", 10', 12'

Left hand threads-3', 6", 12'

Stock anchor Bolts-bulk



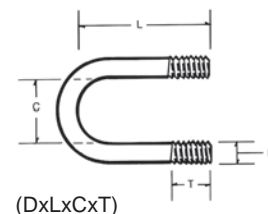
Dimensions
D x L x C x T

Size	Approx. Wt. Per 100'	Approx. pcs. per drum
3/8x6x1x1 1/2	18	4500
8	22	3150
10	26	2500
12	30	1675
1/2x6x1x2	32	3200
8	41	2500
10	49	1600
12	58	1400
14	67	1200
16	75	1100
18	84	1000
5/8x6x2x4	56	1750
8	69	1500
10	83	1200
12	96	900
14	110	700
16	124	600
18	138	500
3/4x8x3x4	114	950
10	135	700
12	156	500
14	177	450
15	187	400
16	197	350
18	218	250
20	237	250
24	281	225
30	344	200
7/8x12x3x6	206	500
14	233	400
15	247	375
16	261	350
18	288	300
20	316	175
24	371	150
30	453	125
1x12x3x6	281	350
14	318	300
15	337	275
16	356	250
18	393	225
20	431	200
24	506	150
30	618	125
36	731	100

Plain and hot galvanized*
Zinc and stainless available upon request



Type 137 Standard Pipe Size U-Bolts



(D x L x C x T)

pipe size	dimensions				approx. Wt per 100 (low carbon)
	d	c	l	t	
1/2"	1/4"	1 5/16	3 1/4	2 3/8	7.4
3/4"	1/4"	1 1/8	3 5/16	2 3/8	7.7
1"	1/4"	1 3/8	3 7/16	2 3/8	8.1
1 1/4"	3/8"	1 5/16	3 1/4	2 3/8	19.0
3/4"	3/8"	1 1/8	3 5/16	2 3/8	19.7
1"	3/8"	1 3/8	3 7/16	2 3/8	21.0
1 1/4"	3/8"	1 11/16	3 3/4	2 3/8	22.5
1 1/2"	3/8"	2	4	2 1/2	24.3
2"	3/8"	2 7/16	4 1/2	2 1/2	27.3
2 1/2"	1/2"	2 15/16	5 1/4	3	57.3
3"	1/2"	3 9/16	5 13/16	3	63.5
3 1/2"	1/2"	4 1/16	6 5/16	3	69.4
4"	1/2"	4 9/16	6 13/16	3	74.9
5"	1/2"	5 5/8	7 13/16	3	86.7
6"	5/8"	6 3/4	9 1/2	3 3/4	162.0
8"	5/8"	8 3/4	11 1/2	3 3/4	200.4
10"	3/4"	10 7/8	13 13/16	4	364.6
12"	7/8"	12 7/8	16 1/16	4 1/4	561.7
14"	7/8"	14 1/8	17 5/16	4 1/4	618.8
16"	7/8"	16 1/8	19 5/16	4 1/4	676.6
18"	1"	18 1/8	21 11/16	4 3/4	1040.0
20"	1"	20 1/8	23 11/16	4 3/4	1130.0
24"	1"	24 1/8	27 11/16	4 3/4	1330.0
30"	1"	30 1/8	33 11/16	4 3/4	1620.0
36"	1"	36 1/8	39 11/16	4 3/4	1900.0

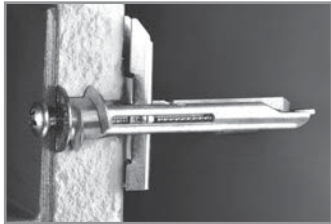
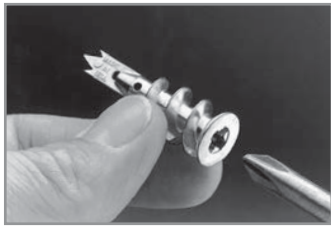
Finishes: plain, zinc, and hot-dip galvanized

Stainless steel available upon request

*hdg u-bolts furnished with 2 nuts assembled

Other standard and special u-bolts available upon request.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



E-Z PRODUCTS

Self-Drilling Drywall Anchors

The original! Fast and easy self-drilling anchors.

E-Z Anchor®, E-Z Anchor Plastic™, E-Z Mini Anchor®, E-Z Hanger®, E-Z Anchor Lite™, E-Z Toggle™, E-Z Anchor Plastic Plus™

Product Specifications

Product Material:
Zinc die cast Nylon

Drilling Capacity:
3/8", 1/2" and 5/8"
gypsum wallboard

Applications

Electrical Fixtures

Thermostats

HVAC Fixtures

Plumbing Fixtures

Bathroom Accessories

Shelving and Supports

Mirrors

Picture Frames

Brackets

Plaques and Awards

Closet Organizers

Coat Racks

Curtain Rods

Signs

Bulletin Boards

Control Systems

Decorative Wall Hangings

Office Material Holders

Smoke Detectors

Clocks

Kitchen Accessories

Doorbells

Telecommunications
Equipment

Chalk Boards

Remote Control Boxes



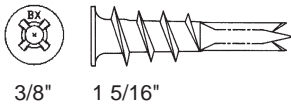
Selector Guide

	Anchor Description	Anchor Material	Part Number	Quantity	Maximum Fixture Thickness
Light Duty	E-Z ANCHOR LITE™	WHITE NYLON	5006902	100 COUNT	3/4"
	E-Z MINI ANCHOR™	ZINC	5033902 5034902	100 COUNT 50 #6 x 1 1/4" SMS 50 #8 x 1 1/4" SMS	3/4"
	E-Z ANCHOR®	ZINC WHITE NYLON	5000902 5003902	100 COUNT 100 COUNT	3/4"
Medium Duty	E-Z TOGGLE™	ZINC	5014901 5017901	50 COUNT 50 #8 x 2 1/8" PAN SMS 50 COUNT 50 #8 x 2 1/8" PAN LARGE WASHER FACE SMS	5/8"
Heavy Duty					

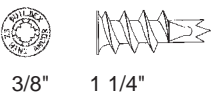
Performance Data

	Pullout (Ultimate average lbs.) Gypsum Thickness			Shear (Ultimate average lbs.) Gypsum Thickness		
	3/8"	1/2"	5/8"	3/8"	1/2"	5/8"
E-Z Anchor Lite	25	30	40	80	90	120
E-Z Mini Anchor	30	40	50	90	110	140
E-Z Anchor	40	50	75	135	150	200
E-Z Toggle	70	85	150	200	230	300

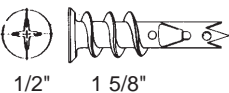
E-Z Anchor Lite



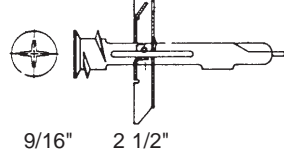
E-Z Mini Anchor



E-Z Anchor



E-Z Toggle



Installation Guidelines

Light Duty & Medium Duty E-Z Anchors

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

Heavy Duty E-Z Toggle

1. 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.
2. Place fixture in position over installed E-Z Toggle. Insert screw and push through E-Z Toggle to engage clamp.
3. Continue turning screw until tight. The clamp will move back against the drywall as the screw turned.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

TFC PRODUCT QUICK FACTS

THREADED SCREWS

Most popular for a variety of applications.
Carbon Steel or Stainless Steel.

Diameters: 3/16", 1/4", 3/8", 1/2", 5/8", 3/4"

Lengths: Up to 6"

HAMMER-IN ANCHORS

ZAMAC or SPIKES
Zinc Alloy, Carbon Steel or Stainless Steel.

Diameters

ZAMAC: 1/4"

SPIKES: 1/4", 3/8", 1/2"

Lengths: Up to 14"

EXPANSION ANCHORS

Sleeve, Wedge, or Drop-in
Carbon Steel or Stainless Steel.

Diameters: 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/4"

Lengths: Up to 12"

CHEMICAL ANCHORS

RED HEAD EPCON Brand

Use in a variety of applications.

PINS, LOADS, TOOLS

RAMSET® Brand pins and loads.

Variety of powder actuated and gas charged pins, loads and tools.



Visit our website
for the most up-to-date product
and technical information!

www.trianglefastener.com

800.486.1832

CONCRETE ANCHORS

ATTACH TO CONCRETE, BRICK, OR BLOCK

THREADED CONCRETE SCREWS



HAMMER-IN ANCHORS



EXPANSION ANCHORS



CHEMICAL / EPOXY ANCHORS



POWDER AND GAS CHARGED CONCRETE PINS AND TOOLS



DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

THE ORIGINAL
Tapcon



Blue Climaseal™

410 Stainless Steel

DESCRIPTION/SUGGESTED SPECIFICATIONS

Tapcon Anchors—

SPECIFIED FOR ANCHORAGE INTO CONCRETE, BRICK OR BLOCK



The "original masonry" anchor that cuts its own threads into concrete, brick, or block. Maximum performance is achieved because the Tapcon Anchor, the Condrive Installation Tool, and the carbide-tipped Tapcon Drill Bits are designed to work as a system. It is essential to use the Condrive tool and the correct drill bit to assure consistent anchor performance.

Tapcon Anchors



Blue Climaseal™ provides extended corrosion protection

Also available in **410 Stainless Steel**

Hex Head style on Tapcon Anchors is available for majority of fixture anchoring needs

Phillips Flat Head style is available when flush seating is necessary in countersink applications

Advanced Threadform cuts into concrete and masonry for reduced installation torque and increased pullout performance

Lengths of Tapcon Anchors range from 1-1/4" to 4" in 3/16" and up to 6" in 1/4" diameters.

Nail-Type Point guides the anchor into the pre-drilled hole. Excellent for wood to concrete applications

Approved for use in
ACQ Treated Lumber

Select a length that meets your application needs.

SELECTION CHART

Tapcon® Anchors with Blue Climaseal™

Diameter.....3/16" and 1/4"
Point Type.....Nail

Thread Form.....Advanced Threadform Technology™
Finish.....Blue Climaseal™

All boxes of ITW Tapcon come packaged with matching carbide-tipped bit. Tapcon is packaged 100 pieces per box and 500 pieces per master carton except HW4-600 and PF4-600 (400 in master carton).

FIXTURE THICKNESS INCHES	RECOMMENDED TAPCON LENGTH In. (mm)	PART NO. 3/16" HEX HEAD	PART NO. 1/4" HEX HEAD	PART NO. 1/4" FLAT HEAD	PART NO. 1/4" FLAT HEAD	BIT LENGTH In. (mm)	STRAIGHT SHANK BITS FOR 3/16" TAPCON PART NO.	STRAIGHT SHANK BITS FOR 1/4" TAPCON PART NO.
0" - 1/4"	1-1/4 (31.8)	HW3-114	HW4-114	PF3-114	PF4-114	3-1/2 (88.9)	7900814	7901014
1/4" - 3/4"	1-3/4 (44.5)	HW3-134	HW4-134	PF3-134	PF4-134	3-1/2 (88.9)	7900814	7901014
3/4" - 1-1/4"	2-1/4 (57.2)	HW3-214	HW4-214	PF3-214	PF4-214	4-1/2 (114.3)	7900818	7901018
1-1/4" - 1-3/4"	2-3/4 (69.9)	HW3-234	HW4-234	PF3-234	PF4-234	4-1/2 (114.3)	7900818	7901018
1-3/4" - 2-1/4"	3-1/4 (82.6)	HW3-314	HW4-314	PF3-314	PF4-314	5-1/2 (139.7)	7900822	7901022
2-1/4" - 2-3/4"	3-3/4 (95.3)	HW3-334	HW4-334	PF3-334	PF4-334	5-1/2 (139.7)	7900822	7901022
2-1/2" - 3"	4 (101.6)	HW3-400	HW4-400	PF3-400	PF4-400	5-1/2 (139.7)	7900822	7901022
3-1/2" - 4"	5 (127.0)	---	HW4-500	---	PF4-500	6-1/2 (165.1)	---	7901026
4-1/2" - 5"	6 (152.4)	---	HW4-600	---	PF4-600	7-1/2 (190.5)	---	7901030

Tapcon® 410 SS Anchor

Diameter.....3/16" and 1/4"
Point Type.....Nail

Thread Form.....Original Notched Hi-Lo™
Finish.....410 Stainless Steel with Silver Climaseal™

All boxes of ITW Tapcon come packaged with matching carbide-tipped bit. Tapcon is packaged 100 pieces per box and 500 pieces per master carton except SHW4-600 and SPF4-600 (400 in master carton).

FIXTURE THICKNESS INCHES	RECOMMENDED TAPCON LENGTH In. (mm)	PART NO. 1/4" HEX HEAD	PART NO. 3/16" FLAT HEAD	PART NO. 1/4" FLAT HEAD	BIT LENGTH In. (mm)	STRAIGHT SHANK BITS FOR 3/16" TAPCON PART NO.	STRAIGHT SHANK BITS FOR 1/4" TAPCON PART NO.
0" - 1/4"	1-1/4 (31.8)	SHW4-114	3434907	SPF4-114	3-1/2 (88.9)	7900814	7901014
1/4" - 3/4"	1-3/4 (44.5)	SHW4-134	3418907	SPF4-134	3-1/2 (88.9)	7900814	7901014
3/4" - 1-1/4"	2-1/4 (57.2)	SHW4-214	3419907	SPF4-214	4-1/2 (114.3)	7900818	7901018
1-1/4" - 1-3/4"	2-3/4 (69.9)	SHW4-234	3420907	SPF4-234	4-1/2 (114.3)	7900818	7901018
1-3/4" - 2-1/4"	3-1/4 (82.6)	SHW4-314	3421907	SPF4-314	5-1/2 (139.7)	7900822	7901022
2-1/4" - 2-3/4"	3-3/4 (95.3)	SHW4-334	SHW4-334	SPF4-334	5-1/2 (139.7)	7900822	7901022
2-1/2" - 3"	4 (101.6)	3459907	---	---	5-1/2 (139.7)	---	3100910
3-1/2" - 4"	5 (127.0)	3460907	---	---	6-1/2 (165.1)	---	3102910
4-1/2" - 5"	6 (152.4)	3461907	---	---	7-1/2 (190.5)	---	3461907

Tapcon® SDS Bits

PART NUMBER	DESCRIPTION
790059	7" (SDS) Rotohammer Bits for use with 3/16" Tapcon
7901060	5" (SDS) Rotohammer Bits for use with 1/4" Tapcon
7901059	7" (SDS) Rotohammer Bits for use with 1/4" Tapcon

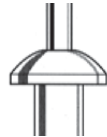
DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

ZAMAC™ Drive Pin Anchor

The TFC ZAMAC™ is a nail-in drive anchor which has a body formed from zinc alloy. Nails are available in carbon or stainless steel.

The anchor can be used in concrete, block, brick or stone.

Great for attacking termination bars attachment!



Mushroom Head Zamac Nailin®
Carbon Steel Nail or 304SS Nail



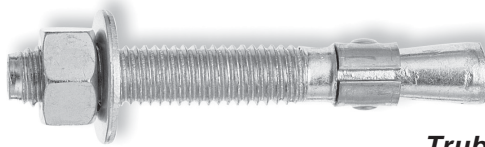
Flat Head Zamac Nailin®
Carbon Steel Nail

Diameter	Length	Pieces/ Box	Pieces/ Carton.	Price/ 100
3/16	7/8"	100	500	
1/4	1"	100	500	
1/4	1-1/4"	100	500	
1/4	1-1/2"	100	500	
1/4	2"	100	500	

Performance Data

DIA.	E M B E D . DEPTH	2,000 PSI Concrete		4,000 PSI Concrete		6,000 PSI Concrete		C-90 Hollow Block		Red Solid Block	
		TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
1/4"	5/8"	480	1230	600	1500	640	1500	360	1040	570	1250
	3/4"	580	1230	720	1500	760	1500	480	1160	790	1400
	7/8"	770	1350	820	1500	890	1500				
	1"							590	1320	820	1400
	1 1/8"	890	1400	960	1500	1060	1500				
	1 3/8"	980	1400	1150	1500	1230	1500	800	1320	950	1400
	1 7/8"	1150	1400	1300	1500	1365	1500				

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Technical Data

Trubolt Wedge Anchors Performance Table
Recommended Spacing And Edge Distance Requirements For Shear Loads*

Anchor Dia. In. (mm)	Embedment Depth In. (mm)	Anchor Type	Edge Distance Required To Obtain Max. Working Load In. (mm)	Min. Edge Distance At Which The Load Factor Applied = .60 In. (mm)	Min. Edge Distance At Which The Load Factor Applied = .20 In. (mm)	Spacing Required To Obtain Max. Working Load In. (mm)	Min. Allowable Spacing Between Anchors In. (mm) Load Factor Applied = .40
1/4 (6.4)	1-1/8 (28.6) 1-15/16 (49.2)	Carbon Steel With Zinc Plating	2 (50.8) 1-15/16 (49.2)	1-5/16 (33.3) 1 (25.4)	-- -- -- --	3-15/16 (100.0) 3-7/8 (98.4)	2 (50.8) 1-15/16 (49.2)
3/8 (9.5)	1-1/2 (38.1) 3 (76.2)		2-5/8 (66.7) 3-3/4 (95.3)	1-3/4 (44.5) 3 (76.2)	-- -- 1-1/2 (38.1)	5-1/4 (133.4) 6 (152.4)	2-5/8 (66.7) 3 (76.2)
1/2 (12.7)	2-1/4 (57.2) 4-1/8 (104.8)		3-15/16 (100.0) 5-3/16 (131.8)	2-9/16 (65.1) 3-1/8 (79.4)	-- -- 1-9/16 (39.7)	7-7/8 (200.0) 6-3/16 (157.2)	3-15/16 (100.0) 3-1/8 (79.4)
5/8 (15.9)	2-3/4 (69.9) 5-1/8 (130.2)	Carbon Steel With Hot-Dipped Galvanizing	4-13/16 (122.2) 6-7/16 (163.5)	3-1/8 (79.4) 3-7/8 (98.4)	-- -- 1-15/16 (49.2)	9-5/8 (244.5) 7-11/16 (195.3)	4-13/16 (122.2) 3-7/8 (98.4)
3/4 (19.1)	3-1/4 (82.6) 6-5/8 (168.3)		5-11/16 (144.5) 6-5/16 (160.3)	3-3/4 (95.3) 5 (127.0)	-- -- 2-1/2 (63.5)	11-3/8 (288.9) 9-15/16 (252.4)	5-11/16 (144.5) 5 (127.0)
7/8 (22.2)	3-3/4 (95.3) 6-1/4 (158.8)		6-9/16 (166.7) 8-1/2 (215.9)	4-5/16 (109.5) 6-1/4 (158.8)	-- -- 3-1/8 (79.4)	13-1/8 (333.4) 12-1/2 (317.5)	6-9/16 (166.7) 6-1/4 (158.8)
1 (25.4)	4-1/4 (108.0) 7-3/8 (187.3)	Type 304 Stainless Steel	7-7/8 (200.0) 10-1/16 (255.6)	5-1/8 (130.2) 7-3/8 (187.3)	-- -- 3-11/16 (93.7)	15-3/4 (400.1) 14-3/4 (374.7)	7-7/8 (200.0) 7-3/8 (187.3)
1-1/4 (31.8)	5-1/2 (139.7) 8 (203.2)		9-5/8 (244.5) 11-7/16 (290.5)	6-1/4 (158.8) 8 (203.2)	-- -- 4 (101.6)	19-1/4 (489.0) 16 (406.4)	9-5/8 (244.5) 8 (203.2)

* Spacing and edge distances shall be divided by 0.75 when anchors are placed in structural lightweight concrete. Linear interpolation may be used for intermediate spacing and edge distances.

Trubolt Wedge Anchors Performance Table
Recommended Spacing and Edge Distance Requirements for Tension Loads*

Anchor Dia. In. (mm)	Embedment Depth In. (mm)	Anchor Type	Edge Distance Required To Obtain Max. Working Load In. (mm)	Min. Allowable Edge Distance At Which The Load Factor Applied = .65 In. (mm)	Spacing Required To Obtain Max. Working Load In. (mm)	Min. Allowable Spacing At Which The Load Factor Applied = .70 In. (mm)
1/4 (6.4)	1-1/8 (28.6) 1-15/16 (49.2) 2-1/8 (54.0)	Carbon Steel With Zinc Plating	2 (50.8) 1-15/16 (49.2) 1-5/8 (41.3)	1 (25.4) 1 (25.4) 13/16 (20.6)	3-15/16 (100.0) 3-7/8 (98.4) 3-3/16 (81.0)	2 (50.8) 1-15/16 (49.2) 1-5/8 (41.3)
3/8 (9.5)	1-1/2 (38.1) 3 (76.2) 4 (101.6)		2-5/8 (66.7) 3 (76.2) 3 (76.2)	1-5/16 (33.3) 1-1/2 (38.1) 1-1/2 (38.1)	5-1/4 (133.4) 6 (152.4) 6 (152.4)	2-5/8 (66.7) 3 (76.2) 3 (76.2)
1/2 (12.7)	2-1/4 (57.2) 4-1/8 (104.8) 6 (152.4)		3-15/16 (100.0) 3-1/8 (79.4) 4-1/2 (114.3)	2 (50.8) 1-9/16 (39.7) 2-1/4 (57.2)	7-7/8 (200.0) 6-3/16 (157.2) 9 (228.6)	3-15/16 (100.0) 3-1/8 (79.4) 4-1/2 (114.3)
5/8 (15.9)	2-3/4 (69.9) 5-1/8 (130.2) 7-1/2 (190.5)	Carbon Steel With Hot-Dipped Galvanizing	4-13/16 (122.2) 3-7/8 (98.4) 5-5/8 (142.9)	2-7/16 (61.9) 1-15/16 (49.2) 2-13/16 (71.4)	9-5/8 (244.5) 7-1/16 (195.3) 11-1/4 (285.8)	4-13/16 (122.2) 3-7/8 (98.4) 5-5/8 (142.9)
3/4 (19.1)	3-1/4 (82.6) 6-5/8 (168.3) 10 (254.0)		5-11/16 (144.5) 5 (127.0) 7-1/2 (190.5)	2-7/8 (73.0) 2-1/2 (63.5) 3-3/4 (95.3)	11-3/8 (288.9) 9-15/16 (252.4) 15 (381.0)	5-11/16 (144.5) 5 (127.0) 7-1/2 (190.5)
7/8 (22.2)	3-3/4 (95.3) 6-1/4 (158.8) 8 (203.2)		6-9/16 (166.7) 6-1/4 (158.8) 6 (152.4)	3-5/16 (84.1) 3-1/8 (79.4) 3 (76.2)	13-1/8 (333.4) 12-1/2 (317.5) 12 (304.8)	6-9/16 (166.7) 6-1/4 (158.8) 6 (152.4)
1 (25.4)	4-1/2 (114.3) 7-3/8 (187.3) 9-1/2 (241.3)	Type 316 Stainless Steel	7-7/8 (200.0) 7-3/8 (187.3) 7-1/8 (181.0)	3-15/16 (100.0) 3-11/16 (93.7) 3-9/16 (90.5)	15-3/4 (400.1) 14-3/4 (374.7) 14-1/4 (362.0)	7-7/8 (200.0) 7-3/8 (187.3) 7-1/8 (181.0)
1-1/4 (31.8)	5-1/2 (139.7) 8 (203.2)		9-5/8 (244.5) 8 (203.2)	4-13/16 (122.2) 4 (101.6)	19-1/4 (489.0) 16 (406.4)	9-5/8 (244.5) 8 (203.2)

* Spacing and edge distances shall be divided by 0.75 when anchors are placed in structural lightweight concrete. Linear interpolation may be used for intermediate spacing and edge distances.

Combined Shear and Tension Loading for Trubolt Anchors

Allowable loads for anchors subjected to combined shear and tension forces are determined by the following equation:

$$(P_s/P_t)^{5/3} + (V_s/V_t)^{5/3} \leq 1$$

P_s = Applied tension load

V_s = Applied shear load

P_t = Allowable tension load

V_t = Allowable shear load

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



Multi-Set II® Drop-In Anchors

Internally Threaded Heavy Duty Anchoring Systems

Specified for anchorage into concrete


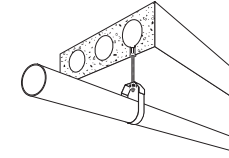
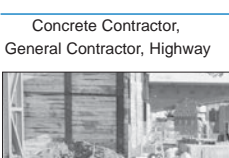


Drop-In, shell-type anchors feature an internally threaded, all-steel shell with expansion cone insert and flush embedment lip. Anchors are manufactured from plated carbon steel, 18-8 stainless steel and 316 stainless steel.

Anchors should be installed with carbide tipped hammer drill bits made in accordance to ANSI B212.15-1994 specifications.

Anchors should be tested to ASTM E488 criteria and listed by ICBO and SBCCI. Anchors should also be listed by the following agencies as required by the local building code: UL, FM, City of Los Angeles, Metro Dade, California State Fire Marshal and Cal Trans.

Sizes

Multi-Set II Drop-In Anchors Selection Chart

User Type/ Application	Base Material	Corrosion Resistance Level	Drop-In Anchor Type	Bolt Size Threads Per Inch	Drill Bit Size In. (mm)	Thread Depth In. (mm)	Embedment Min. Hole Depth In. (mm)	Qty/Wt Per Box lbs.	Qty/Wt Per Master Ctn lbs.
	Poured in place concrete/ lightweight fill deck	Low	RM	1/4" - 20	3/8" (9.5)	3/8" (9.5)	1" (25.4)	100/ 2.6	1000/28
				3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/36
				1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 5.8	400/ 49
				5/8" - 11	7/8" (22.2)	1" (25.4)	2-1/2" (63.5)	25/ 7.8	125/ 41
	Hollow-core pre-cast or Post-tension	Low	RX	3/8" - 16	1/2" (12.7)	1/2" (12.7)	3/4" (19.1)	100/ 3.5	1000/ 36
				1/4" - 20	3/8" (9.5)	3/8" (9.5)	1" (25.4)	100/2.7	1000/28
				3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/3.4	500/36
				1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/6.0	400/50
	Solid concrete	Medium	SRM 18-8 S.S.	5/8" - 11	7/8" (22.2)	1" (25.4)	2-1/2" (63.5)	25/18.0	125/42
				3/4" - 10	1" (25.4)	1-1/4" (31.8)	3-3/16" (81.0)	25/12.0	100/50
		High	SSRM 316 S.S.	3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/ 36
				1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 6.0	400/ 50
	Solid concrete	Low	CL-Coil Threaded	1/2" - 6	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 5.7	400/ 47
				3/4" - 4.5	1" (25.4)	1-1/4" (31.8)	3-3/16" (81.0)	25/ 11.9	100/ 49
				1/4" - 20	3/8" (9.5)	3/8" (9.5)	1" (25.4)	100/ 2.6	1000/ 28
				3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/ 36
	Solid concrete	Low	RL (w/o lip)	1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 5.8	400/ 49
				5/8" - 11	7/8" (22.2)	1" (25.4)	2-1/2" (63.5)	25/ 7.8	125/ 41
				3/4" - 10	1" (25.4)	1-1/4" (31.8)	3-3/16" (81.0)	25/ 11.9	100/ 49
				1/4" - 20	3/8" (9.5)	3/8" (9.5)	1" (25.4)	100/ 2.6	1000/ 28

Combined Shear and Tension Loading—for Multi-Set Anchors

Allowable loads for anchors subjected to combined shear and tension forces are determined by the following equation:

$$(P_s/P_t)5/3 + (V_s/V_t)5/3 \leq 1$$

P_s = Applied tension load V_s = Applied shear load P_t = Allowable tension load V_t = Allowable shear load

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

We have a full line of safety products to meet your needs!

Hard Hats



Safety Glasses and Shields



Ear Protection



First Aid Kits



Gloves



Respirators



Job-site Coolers



Fall Protection / Safety Gear



Tarps | Contractor Garbage Bags | Job Site Rags



Job-Site Storage



Call TFC for all of your miscellaneous contractor supplies!

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Economy HSS Fractional Straight Shank Jobbers Length



- Economical high speed steel for general drilling
- Black oxide finish for corrosion resistance
- 118° point

General Purpose HSS Fractional Straight Shank Jobbers Length



- For general use in metal, wood and plastic
- 118° standard point, bright finish

Economy HSS Fractional 3/8" Reduced Shank Jobbers Length



- Economical high speed steel for general drilling
- Black oxide finish for corrosion resistance
- 118° point
- 3/8" reduced shank to fit all 3/8" drills

General Purpose HSS Fractional 1/4" Reduced Shank Jobbers Length



- For general use in metal, wood and plastic
- 118° standard point, bright finish
- 1/4" reduced shank to fit in all 1/4" drills

SELECT 135° SPLIT POINT FOR THE BEST DRILLING PERFORMANCE USE TO PRE-DRILL MATERIAL FOR INSTALLING SELF-TAPPING SCREWS

HSS Screw Machine Length Fractional



- Also known as "stubbies"
- Shorter length for increased strength and rigidity
- 135° split point*
- Black oxide finish
- Ideal for industrial applications

HSS Wire Gauge Screw Machine Length



- Numbered from 1 through 60 (large to small)
- Used where more precisely sized holes are required
- 135° split point up to and including #42
- Drills exact size hole for tapping
- Shorter length for increased strength and rigidity

Extra Long Length Drill Bits for Retrofit Roofing and Electrical Applications

HSS Fractional Straight Shank 6" and 12" Aircraft Extension



- Used for drilling in hard-to-reach areas and to run wires and cable.
- Use for installing base plates in and retro-fit roof application.
- 135° split point* with heavy-duty web

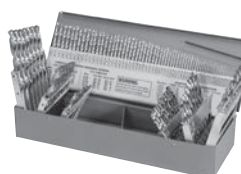
**Choose high quality CHAMPION
or NORSEMAN Brands**

Double End HSS Fractional



- Drills twice as many holes as a single end drill bit
- 135° split point
- 2" overall length

General Purpose HSS 3/8" Reduced Shank Metal Index Sets



Description	Contents
15 pc Set	1/16" through 1/2" by 32nds
29 pc Set	1/16" through 1/2" by 64ths
115 pc Super Set	1/16" through 1/2" by 64ths, A through Z, 1 through 60



Carbide Tip Drill Bits

Special tungsten carbide tips with 130° tip angles. To take on hardest hitting rotary hammers. To wear down toughest aggregate.



SDS DRIVE



Do you need a straight shank carbide tip drill bit?

We also stock a full line in many diameters and lengths



Sizes

Dia.	X	Useable Length	X	Total Length	Part Number
5/32	x	2	x	4 1/4	AD219
5/32	x	4	x	6 1/2	AD220
3/16	x	2	x	4 1/2	AD104
3/16	x	4	x	6 1/4	AD215
3/16	x	7	x	9 1/2	AD221
3/16	x	9	x	11 1/2	AD216
3/16	x	13	x	16	AD260
7/32	x	4	x	6 1/4	AD236
7/32	x	7	x	9 1/2	AD237
7/32	x	9	x	11 1/2	AD238
7/32	x	13	x	16	AD265
1/4	x	2	x	4 1/2	AD105
1/4	x	4	x	6 1/4	AD106
1/4	x	6	x	8 1/2	AD218
1/4	x	9	x	11 1/2	AD183
1/4	x	13	x	16	AD270
5/16	x	4	x	6 1/4	AD107
5/16	x	6	x	8 1/2	AD108
5/16	x	10	x	12 1/2	AD222
3/8	x	4	x	6 1/4	AD109
3/8	x	8	x	10 1/2	AD110
3/8	x	10	x	12 1/2	AD111
3/8	x	15 1/2	x	18	AD112
3/8	x	19 1/2	x	22	AD239
7/16	x	4	x	6 1/4	AD113
7/16	x	10	x	12	AD223
1/2	x	4	x	6 1/2	AD114
1/2	x	8	x	10	AD115
1/2	x	10	x	12	AD116
1/2	x	15 1/2	x	18	AD117
1/2	x	21 1/2	x	24	AD240
9/16	x	4	x	6 1/2	AD118
9/16	x	10	x	12 1/2	AD228
9/16	x	15 1/2	x	18	AD229
5/8	x	4	x	6 1/2	AD119
5/8	x	7	x	9 1/2	AD120
5/8	x	10	x	12	AD121
5/8	x	15 1/2	x	18	AD122
5/8	x	21 1/2	x	24	AD241
11/16	x	7	x	9 1/2	AD123
11/16	x	10	x	12	AD230
3/4	x	7	x	9 1/2	AD124
3/4	x	10	x	12	AD125
3/4	x	15 1/2	x	18	AD126
7/8	x	7	x	9 1/2	AD128
7/8	x	10	x	12	AD129
7/8	x	15 1/2	x	18	AD130
1	x	7	x	10	AD184
1	x	15-1/2	x	18	AD185
1 1/8	x	7 1/2	x	10	AD250
1 1/8	x	15 1/2	x	18	AD255

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

BUILT FOR THE JOB SITE.

The series 20™ saw blade line includes a full range of thin-kerf blades for long life on the job. Built for durability in the toughest job site applications.

MITER/SAW BLADES



General Purpose
DW3103, DW3114

For all-purpose cutting in natural wood, plywood and wood composites.



Fine Crosscuts
DW3126, DW3128

For fine crosscuts in natural wood, plywood and wood composites.



Pressure Treated / Wet Lumber
DW3104

Anti-stick coating reduces buildup on the blade when cutting pressure treated or wet lumber.

Cat #	Diameter (inches)	Arbor (inches)	Teeth	Plate (inches)
DW3103	10"	5/8"	32	.071
DW3114	10"	5/8"	40	.071
DW3126	12"	1"	60	.071
DW3128	12"	1"	80	.071
DW3104	10"	5/8"	32	.071

PORTABLE CONSTRUCTION SAW BLADES



Combination Framing
DW3171, DW3178,
DW3176, DW3182,
DW3184

For all-purpose cuts in natural wood, plywood and wood composites.



Pressure Treated / Wet Lumber
DW3174

Anti-stick coating reduces buildup on the blade when cutting pressure treated or wet lumber..



HardiPlank® Fiber Cement
DW3193

For fine crosscuts in natural wood, plywood and wood composites.

Cat #	Bulk #	Diameter (inches)	Arbor (inches)	Teeth	Plate (inches)
DW3171	DW3571	7-1/4"	5/8"	16	.045
DW3178	DW3578	7-1/4"	5/8"	24	.045
DW3176	DW3576	7-1/4"	5/8"	36	.045
DW3182	DW3582	8-1/4"	5/8"	24	.050
DW3184	—	8-1/4"	5/8"	40	.050
DW3174	DW3574	7-1/4"	5/8"	18	.045
DW3193	—	7-1/4"	5/8"	6 PCD	.063

CORDLESS SAW BLADES - 6 1/2" DIAMETER



Fast Cutting
DW9155



Framing
DW9154



Aluminum
DW9154

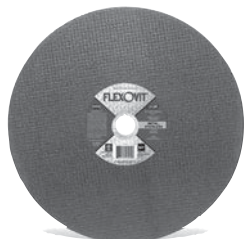


Combo (DW9155, DW9154) DW9158

Cat #	Diameter (inches)	Arbor (inches)	Teeth	Plate (inches)
DW9155	6-1/2"	5/8"	16	.039
DW9154	6-1/2"	5/8"	24	.039
DW9152	6-1/2"	5/8"	36	.039
DW9158	6-1/2"	5/8"	16/24	.039



TYPE1 HIGH SPEED GAS & ELECTRIC SAW WHEELS FOR CUTTING ONLY



Steel A24/30SB Heavy Duty

A durable, hard working blade for a variety of metal cutting applications on the job site. Excellent for rebar, steel pipe, sheet metal, and structural steel or stainless.



- Maximum Productivity
- Exceptional Value
- State Of The Art Engineering



Use on
High Speed
Saws

Sheet Metal, Decking A24TB-Long Life

Built to withstand the wear of sharp metal edges, this blade stands up to sheet metal, roof decking, and cut dismantling jobs.

RailTrack A30PB-Extra Fast Cut

Designed for rail cropping. Straight, fast cuts on all sizes and weights of rail.

Ductile, Cast Iron AC24SB-Heavy Duty

For sewer and water construction and maintenance. Cuts ductile iron, cast iron and concrete lined pipe.

Asphalt, Green Concrete C16UB-Long Life

Made of extra coarse silicone carbide, C16UB provides aggressive free cutting action, in a wide range of aggregates.

Prestressed Concrete C30SB-Heavy Duty

Designed for extra fast cutting in prestressed concrete.



Concrete C30UB Heavy Duty

The contractors' choice for all-around performance when cutting concrete and masonry products, including brick, block and pipe. Also cuts PVC and ductile iron pipe (for best results on ductile, see Specialist AC24SB-Ductile, Cast Iron listed below).



- Job Focused
- Peak Performance



Type 1

Dimensions Dia. X Thk X Arbor	Max RPM	Heavy Duty		Box Qty.
		Metal A24/30SB	Concrete C30UB	
12" X 1/8" X 20 mm	6,300	F5078	L5315	10
12" X 1/8" X 7/8"	6,300	F5286	L5316	10
12" X 1/8" X 1"	6,300	F5292	L5317	10
14" X 1/8" X 20 mm	5,460	F5653	L5703	10
14" X 1/8" X 7/8"	5,400	F5650	L5708	10
14" X 1/8" X 1"	5,400	F5687	L5727	10

Dimensions Dia. X Thk X Arbor	Max RPM	Sheet Metal Decking Long Life A24TB	Rail Track Extra Fast Cut A30PB	Ductile Cast Iron Heavy Duty AC24SB	Asphalt Gr. Concrete Long Life C16UB	Prestressed Concrete Heavy Duty C30SB	Box Qty
12" X 1/8" X 20 mm	6,300			L5017			10
12" X 1/8" X 7/8"	6,300			L5018		L5310	10
12" X 1/8" X 1"	6,300		F5098	L5019			10
12" X 5/32" X 20 mm	6,300	F5293			L5330		10
12" X 5/32" X 7/8"	6,300	F5299			L5332		10
12" X 5/32" X 1"	6,300	F5314			L5334		10
14" X 1/8" X 20 mm	5,460			L5617			10
14" X 1/8" X 7/8"	5,400			L5618			10
14" X 1/8" X 1"	5,400		F5681	L5619			10
14" X 5/32" X 20 mm	5,460	F5693			L5710		10
14" X 5/32" X 1"	5,400	F5614			L5712		10
16" X 1/8" X 1"	4,500		F6681				10

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

FAST CLEAN CUTS IN METAL

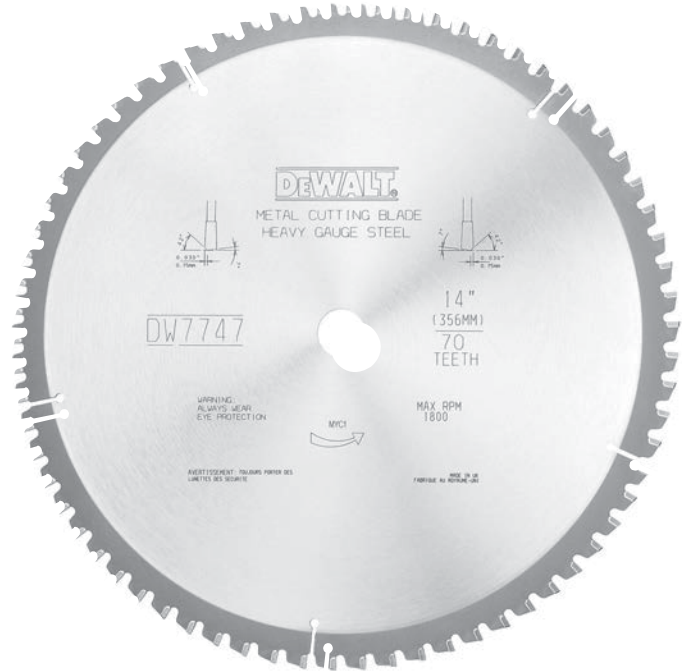
Dewalt Metal Cutting Blades provide clean, fast cuts in a variety of ferrous, non-ferrous and stainless steel materials. Specially designed carbide teeth deliver precise, virtually burr-free cuts and produce cut material that is cool to the touch.

12% titanium carbide
provides long life in metal cutting

Modified ATB tooth geometry
provides clean, burr free cuts

Tri-fold braze absorbs stress
making the tip stronger

Expansion slots dissipate heat
which extends blade life



Heavy Gauge Metal
DW7747

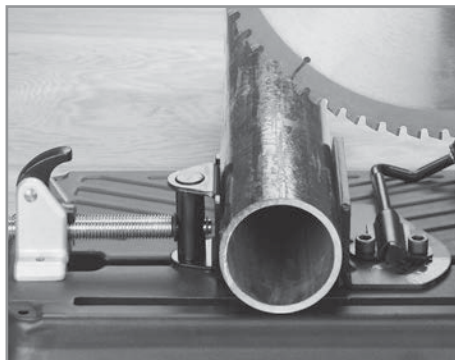


Thin Gauge Metal
DW7745



Stainless Steel
DW7749

Cat #	Diameter (inches)	Arbor (inches)	Teeth	Plate (inches, mm)
DW7747	14"	1"	70	.071, 1.8
DW7745	14"	1"	90	.071, 1.8
DW7749	14"	1"	90	.071, 1.8



Always clamp material securely



**Cut forward of the blade center line
and never cut bundles**

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

We stock a full line of professional brand reciprocating saw blades to handle any application!



WOOD CUTTING

Reinforced tooth for increased durability when cutting through nails and other foreign objects.

+6 degree hook angle for fast, aggressive cuts.

Anti-stick coating minimizes friction and gum-up.

Raker tooth design keeps the blade in the cut thereby minimizing vibration.



METAL CUTTING

Reinforced tooth design provides increased durability.

Matrix II steel with 8% cobalt on the cutting edge provides flexibility to minimize breakage.

Specially formulated anti-stick coating minimizes friction and gumming



DEMOLITION

Demolition blades are thicker than standard blades thereby preventing breakage.

Wider blades add more stability to the cut making it easier to cut a straight line.

Reinforced teeth for increased durability.

Specially formulated anti-stick coating minimizes friction and gum-up for smoother cuts.

Choose from Lennox, Morris, DeWalt, and Freud



BI-METAL RECIPROCATING BLADES








Teeth Per Inch	Length (In.)	Recommended for cutting
5/8	6	Very fast cutting, nail embedded wood, general Rough-in.
6	6	
6	9	
6	12	
6	6	Fast cutting, all woods, nail embedded, composition material.
14	3 5/8	
18	3 5/8	
14	4	
14	6	Metal 3/16" thru 1/4", conduit, tubing, channels, pipe, rubber, fiber.
18	4	
18	6	
24	4	
24	6	Metal thinner than 1/8", tubing, pipe, trim.
10	4	
10	6	
10/14	8	
10/14	12	All woods, nail embedded, composition material, plastic and non-ferrous metals.
		All woods, nail embedded, composition material, plastic, non-ferrous metals and cast iron.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

1" Bit Tips



	Phillips Bit Tip #1 Phillips Bit Tip #2 Phillips Bit Tip #3
	Slotted Bit Tip #8 Slotted Bit Tip #10 Slotted Bit Tip #12
	Square Recess Bit Tip #1 Square Recess Bit Tip #2 Square Recess Bit Tip #3
	Pozi-driv® Bit Tip #1 Pozi-driv® Bit Tip #2 Pozi-driv® Bit Tip #3
	Torx® Bit Tip T10 Torx® Bit Tip T15 Torx® Bit Tip T20 Torx® Bit Tip T25 Torx® Bit Tip T27 Torx® Bit Tip T30 Torx® Bit Tip T40



Double Ended Bits

	Phillips #2 / Slotted #8 Phillips #2 / Phillips #2
	Phillips #2 / Square Recess #2

Bit Holders



Magnetic Holder











Quick Change Magnetic

Description	Size	Length
Magnetic Bit Holder	1/4" Drive	1-5/8" 2-1/4" 2-3/4" 3"

Power Bits



	2" Phillips Power Bit #1 2" Phillips Power Bit #2 2" Phillips Power Bit #3 Deck Power Bit #2
	2" Square Recess Power Bit #1 2" Square Recess Power Bit #2 2" Square Recess Power Bit #3
	3-1/2" Phillips Power Bit #1 3-1/2" Phillips Power Bit #2 3-1/2" Phillips Power Bit #3
	3-1/2" Slotted Power Bit #6 3-1/2" Slotted Power Bit #8 3-1/2" Slotted Power Bit #10 3-1/2" Slotted Power Bit #12
	3-1/2" Square Recess Power Bit #1 3-1/2" Square Recess Power Bit #2 3-1/2" Square Recess Power Bit #3
	6" Phillips Power Bit #1 6" Phillips Power Bit #2 6" Phillips Power Bit #3
	6" Slotted Power Bit #6 6" Slotted Power Bit #8 6" Slotted Power Bit #10
	2" Square Recess Power Bit #6 2" Square Recess Power Bit #8 2" Square Recess Power Bit #10

Magnetic Socket Drivers

Description	Size	Length
Magnetic hex socket	1/4"	1-7/16"
Magnetic hex socket	5/16"	1-7/16"
Magnetic hex socket	3/8"	1-1/2"
Magnetic hex socket	1/4"	2-9/16"
Magnetic hex socket	5/16"	2-9/16"
Magnetic hex socket	3/8"	2-9/16"



Special adjustable sleeve stabilizes the fastener during installation

Length	2 3/8"
--------	--------

Description	Length
Eyelag socket driver	2-9/16"



Depth sensing for drywall installation. Magnetic

Magnetic Drive Guides



Compact



Standard



Clear

Magnetic Drive Guides (2)
1" Phillips Bit Tips: (1) #1, (1) #2
1" Slotted Bit Tips: (1) #8-10
1" Square Recess Bit Tip: (1) #2

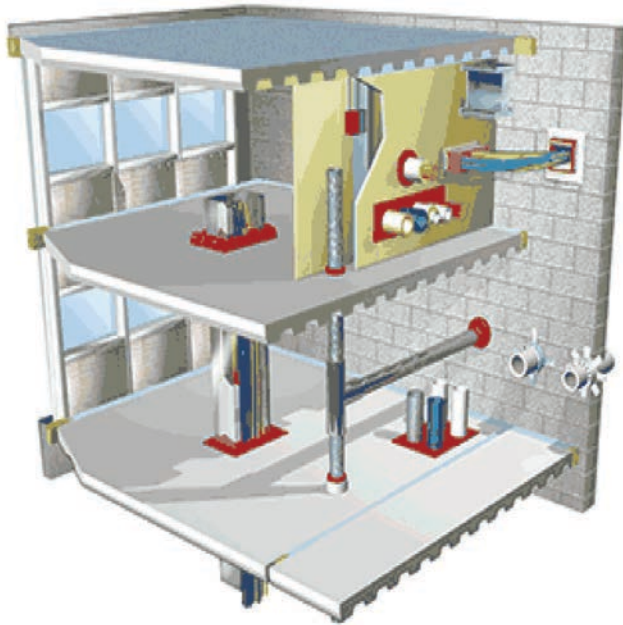
Screw-driving Set



29 Piece Set

1" Phillips Bit Tips: (1) #1, (10) #2, (1) #3
1" Slotted Bit Tips: (1) #6, (2) #8, (1) #10
1" Square Recess Bit Tips: (1) #1, (6) #2, (1) #3
2" Phillips Power Bit: (1) #2
2" Square Recess Power Bit: (1) #2
Nutdrivers: (1) 1/4", (1) 5/16"
Compact magnetic drive guide (1)

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



We have Firestop specialists available to assist you with your specific needs.

- Architectural Assistance
- Code Consulting
- Documentation labeling
- Engineering Assistance
- Estimating
- Field Training
- Job-site Assistance
- Office Training
- Pre-construction services
- Technical information

Firestop fire prevention systems are designed to contain a fire to the smallest area without a secondary systems.



We stock a full line of Firestop solutions for all types of construction!



Sealants	Composite Sheet
Residential Caulk	Firestop Mortar
Firestop Sprays	Firestop Pillows
Smoke & Acoustical Products	Firestop Putty
Construction Joint System	Firestop Sleeves
Firestop Angle	Puttly Pads
Firestop Collars	Electrical Box Inserts
Wrap Strips	Fire Protective Cable Coating
Pathways	



For product information, please contact TFC with your specific application and we will provide you with additional details.

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



We have a full line of firestop products to meet your needs. Contact us to help you specify the best product for the application.



SSS Intumescent Firestop Sealant

Premium grade, water-based firestop sealant featuring STI's patented two-stage intumescent technology. The perfect choice for the broadest array of combustible and noncombustible penetrants requiring a permanent, durable seal.



Ready@Sleeve

A complete code compliant firestop sleeve assembly for new cable installations. Includes all mounting hardware and internal and external firestop sealing materials. Available in 1" (33 mm OD), 2" (60 mm OD), and 4" (114 mm OD) sizes with standard or large escutcheon plates..



LCI Intumescent Firestop Sealant

Premium grade, water-based firestop sealant featuring STI's patented two-stage intumescent technology. The perfect choice for the broadest array of combustible and noncombustible penetrants requiring a permanent, durable seal.



Ready@ Split Sleeve

Ready@ Sleeve convenience for existing cable installations. Split sleeve and two-piece wall plates allow sleeve to be assembled around cables and locked into the wall or floor. Available in 1" (33 mm OD), 2" (60 mm OD), and 4" (114 mm OD) sizes.



Composite Sheet

Lightweight, easily fabricated panels surface mount to walls and floors to provide a neat, clean firestop seal for medium to large openings with a variety of penetrants in fire-rated floors and walls.



SSP Putty Pads

Non-hardening, intumescent putty is easily installed and removed making it the perfect choice for cable penetrations requiring occasional retrofitting. Can be externally applied to switch and receptacle boxes.



SSP Firestop Putty

Non-hardening, intumescent putty is easily installed and removed making it the perfect choice for cable penetrations requiring occasional retrofitting. Can be externally applied to switch and receptacle boxes.



Electrical Box Insert

When used within metallic switch and receptacle boxes, inserts are UL Tested and Classified to permit larger boxes and reduced spacing.



SSB Intumescent Firestop Pillows

Compressible cushions can be easily installed and removed. The perfect firestop solution for medium to large openings including cable bundles, cable trays, bus ducts and multiple conduits.



Closet Flange Firestop Gasket

A one-piece, molded rubber, intumescent pad that installs beneath a 3" or 4" (76 mm or 102 mm) closet flange to effectively firestop the opening. No caulk to clean. Installs from the top, saving labor.



ES Elastomeric Firestop Sealant

A premium grade latex joint sealant for high movement applications



EZ-FIRESTOP™ Grommet

Designed for temporary or permanent sealing of conduit sleeves or suitably sized openings both with and without cables, through walls and floors.



Smoke'N'Sound Acoustical Sealant

A high quality acrylic latex sealant designed for sealing through-penetrations (such as pipes, conduits, cabling, busways and openings) and membrane penetrations (such as p-traps and outlet boxes) in smoke resistant walls.

Accessories



DELTA DECK PLUGS



DELTA® SAFING BOARD



**CAULK GUNS
BULK/SAUSAGE, 10 OZ and 20 OZ**

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

APS 500®

ADVANCED POLYMER SEALANT

APS 500® is formulated to provide superior adhesion, excellent resistance to weathering and is compatible for use with a variety of substrates. Supplied in plastic tubes with screw-on nozzles. Available in smooth or textured finish.

Over 24 Colors Available!

*Denotes standard colors.



Applications

- Window Trim
- Doors & Skylights
- Siding
- Metal Architecture
- Curtain Walls & Joints
- Coated Metal Roofs

Performance

- Paintable
- VOC Compliant
- Fast Curing
- Installs at -40 - 200°F
- Non-Yellowing
- UV Resistant

Need a custom color?
We can color match!

APPROXIMATE® LINEAR FEET/COVERAGE
PER 10.1 FL. OZ. CARTRIDGE (298 ML)

		WIDTH							
DEPTH	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
	99	49	33	24	20	16	14	12	
		24	20	12	10	8	7	6	
			11	8	6	5	5	4	
				6	5	4	3	3	

Adheres to Kynar®, Galvanize, Galvalume®, Copper, Stainless Steel, Zinc

NOTE: Colors listed do not represent actual colors. Contact your local distributor for the APS500® color selector swatches for accurate color match.

Product Specifications

Physical Property	Test Method	Typical Value
Tensile Strength	ASTM D412	205 psi
Elongation	ASTM D412	300%
Shore Hardness	ASTM C661	30 +/- 5
Service Temperature		-40°F to 200°F
Joint Sealant Designation	ASTM C920	Type S, Grade NS, Class 50, use T, NT, G, M
Adhesion and Cohesion	ASTM C719	Pass on glass, Aluminum and concrete for ± 50% movement
Adhesion-in-Peel, 2 inches/minute @ 25°, N (lbf)	ASTM C794	Aluminum 37 pli
		Glass 35 pli
		Concrete 34 pli
Staining	ASTM D2203	None
Density	Industrial Method	1678 g/L
VOC	EPA Method 24	14 g/L
HAP	EPA Method 311	0.08 g/L (0.005% by weight)
Low Temp. Flexibility	ASTM C 711	Pass -10° F. 1/4 inch mandrel
High Temp. Flexibility	Industrial Method	Up to 200° F
Cure Rate	Industrial Method	48 hours
Skin Time Cure Time	Industrial Method	40° F at 40% humidity 40 minute 2-3 days
		75° F at 50% humidity 10 minute < 24 hours
		95° F at 95% humidity 5 minute

APS 500, TFC, and Triangle Fastener are registered trademarks of TRIANGLE FASTENER CORPORATION. © 2017

DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

Bonds To



Limited Warranty: Satisfaction guaranteed when handled and applied according to label.



ULTRA1000®

CLASS 35 | SILICONE SEALANT

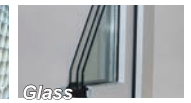
Concerned about sealant failure caused by joint movement? Specify ULTRA1000™ Class 35 Silicone Sealant. It is formulated to withstand more joint movement than ordinary Class 25 sealants.

Formulated for Superior Performance



- Silicone sealant provides exceptional weatherability
- Class 35 for superior movement capability
- Adheres to Kynar® and Galvalume® coated metals
- VOC compliant
- Mildew resistant
- "Guns" down to 0°F
- Service temperature -40°F to 350°F
- Tack free in 10 minutes
- 100% Silicone

Bonds To



Applications

- Flashing
- Trim
- Metal Sheeting
- Downspouts
- Gutters
- Roof Tile
- Flashings
- Adheres to Copper

		APPROXIMATE* LINEAR FEET/COVERAGE PER 10.1 FL. OZ. CARTRIDGE (298 ML)							
		WIDTH							
DEPTH	1/8"	99	49	33	24	20	16	14	12
	1/4"		24	20	12	10	8	7	6
	3/8"			11	8	6	5	5	4
	1/2"				6	5	4	3	3

Packaging

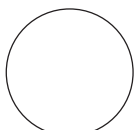


Never misplace another nozzle!
Tubes are now packaged with nozzle.

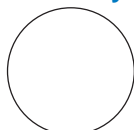
We've redesigned the packaging so that the plastic screw-on nozzles come pre-assembled on the tubes.



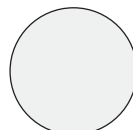
20 Colors! Call for availability. *Denotes in stock colors



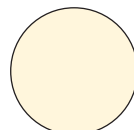
*Translucent
TR99



*White
WH100



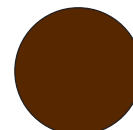
*Antique White
WH102



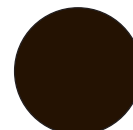
*Off White
WH104



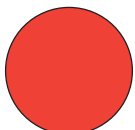
*Black
BLK110



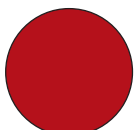
*Brown
BR121



*Dark Bronze
BZ131



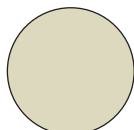
*Red
RD141



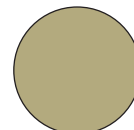
Regal Red
RD143



*Almond
BG151



*Sandstone
BG152



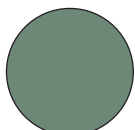
*Sierra Tan
BG154



*Hartford Green
GR160



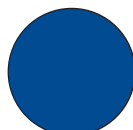
*Green
GR164



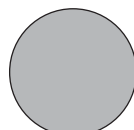
Hemlock Green
GR161



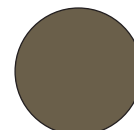
*Regal Blue
BL181



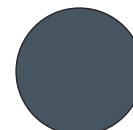
*Electric Blue
BL182



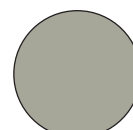
*Light Gray
GY190



*Slate Gray
GY192



*Charcoal Gray
GY195



*Gutter Gray
GY196

NOTE: Colors listed do not represent actual colors. Contact your local distributor for the ULTRA1000® color selector swatches for accurate color match.

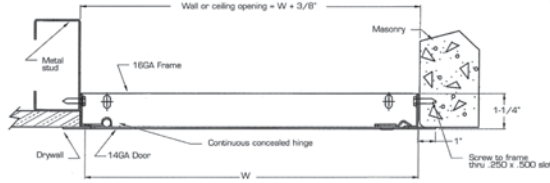
DISCLAIMER: All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)



UF-5000

Prime Coated Steel

The Acudor UF-5000 is an innovative universal flush access door for walls and ceilings. It is designed for installation in drywall, plaster, masonry, tile or any flush surface. The door panel features rounded safety corners which provide an architecturally pleasing appearance. The one piece trim flange will not rack, sag or distort.



Specifications

Material: 16" X 16" and smaller: 16 gage door, 18 gage mounting frame. Over 16" X 16": 14 gage door, 16 gage mounting frame.

Door: Flush to frame - rounded safety corners.

Frame: One-piece outer frame welded to mounting frame.

Hinge: Continuous, concealed.

Latch: Stainless Steel screwdriver operated cam latch. Also available: cylinder lock and key, allen head cam latch, spanner head cam latch.

Finish: Steel: 5-stage iron phosphate preparation with prime coat of gray baked enamel. Stainless Steel: Type 304 - #4 satin polish.

STANDARD SIZES

(SPECIAL SIZES AVAILABLE UPON REQUEST)

NOMINAL DOOR SIZE (W & H)	WALL OR CEILING OPENING	WEIGHT PER DOOR	# of Latches
6 X 6	6-3/8 X 6-3/8	2.0	1
8 X 8	8-3/8 X 8-3/8	2.7	1
8 X 12	8-3/8 X 12-3/8	3.6	1
10 X 10	10-3/8 X 10-3/8	3.6	1
12 X 12	12-3/8 X 12-3/8	4.7	1
12 X 16	12-3/8 X 16-3/8	6.0	2
12 X 18	12-3/8 X 18-3/8	7.0	2
12 X 24	12-3/8 X 24-3/8	8.5	2
14 X 14	14-3/8 X 14-3/8	6.2	1
16 X 16	16-3/8 X 16-3/8	7.6	2
16 X 24	16-3/8 X 24-3/8	12.5	2
18 X 18	18-3/8 X 18-3/8	11.2	2
18 X 24	18-3/8 X 24-3/8	15.0	2
22 X 22	22-3/8 X 22-3/8	16.3	4
22 X 30	22-3/8 X 30-3/8	21.0	5
24 X 24	24-3/8 X 24-3/8	18.0	4
24 X 30	24-3/8 X 30-3/8	22.5	5
24 X 36	24-3/8 X 36-3/8	26.6	5
24 X 48	24-3/8 X 48-3/8	38.0	5
30 X 30	30-3/8 X 30-3/8	27.5	5
36 X 36	36-3/8 X 36-3/8	39.0	5

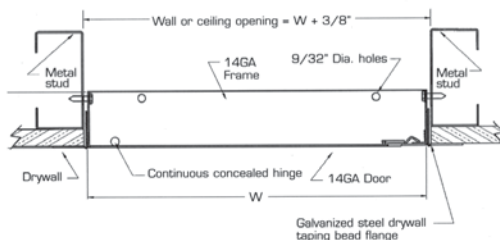


DW-5040

Prime Coated Steel

The Acudor DW-5040 is designed specifically for installation in drywall walls and ceilings after drywall has been installed.

The flange of the door is a textured galvanized steel taping bead with pre-punched holes. Drywall compound is applied over the beading at the same time the drywall joints are finished.



Specifications

Material: Steel or Stainless Steel: 14 gage door, 14 gage mounting frame.

Door: Flush to edge of frame

Frame: Galvanized steel drywall taping bead on all sides

Hinge: Continuous, concealed.

Latch: Stainless Steel screwdriver operated cam latch. Also available: cylinder lock and key, allen head cam latch, spanner head cam latch.

Finish: Steel: 5-stage iron phosphate preparation with prime coat of gray baked enamel. Stainless Steel: #4 satin polish.

STANDARD SIZES

(SPECIAL SIZES AVAILABLE UPON REQUEST)

NOMINAL DOOR SIZE (W & H)	WALL OR CEILING OPENING	WEIGHT PER DOOR	# of Latches
8 X 8	8-3/8 X 8-3/8	3.5	1
10 X 10	10-3/8 X 10-3/8	4.5	1
12 X 12	12-3/8 X 12-3/8	6.0	1
14 X 14	14-3/8 X 14-3/8	7.5	1
16 X 16	16-3/8 X 16-3/8	9.5	2
18 X 18	18-3/8 X 18-3/8	11.5	2
22 X 22	22-3/8 X 22-3/8	15.0	4
24 X 24	24-3/8 X 24-3/8	19.0	4
24 X 36	24-3/8 X 36-3/8	28.0	5

All information is non-binding and without guarantee. Before using the products, all specifications and calculations must be checked by a suitably qualified person and local regulations must be observed. This document is subject to revision. We reserve the right to make technical changes. (0321-1)

**Contents****Page**

A	
Abrasive Wheels Cutting	43
Access Doors Flush to Edge Duct Access	50
Access Doors Flush to Frame	50
Accessories Bits and Sockets	45
Acoustical Tie Wires	24
Acoustical Tie Wires GRIPPLE	26
Acoustical Tie Wires Installation Tools	25
Anchor Bolts Bent	33
APS 500 Advanced Polymer Sealant Colors	48
B	
BACKER-ON Cement Board Screws	7
Beam Clamps GLOBE	30
Bit Holders	45
BLAZER Quick Facts No Washer	10
BLAZER Wood-to-Metal Screws	11
Bolts Grade 2 / A307 Grade 5 / A325 / Carriage Bolts	14
BURR-BUSTER Self-Piercing Screws	12
C	
Cement Board Screws	7
Circular Saw Blades General Construction	41
Circular Saw Blades Steel / Concrete Cutting High Speed Saws	42
Company Information	52
Concrete Anchor Drop-In Sizes	37
Collated Fasteners	9
Concealor Quick Facts	12
Concrete Quick Facts	33
Concrete Screws TAPCON Sizes	34
D	
Drill Bits Carbide Tip SDS Sizes	40
Drill Bits High Speed	39
Drill Bits Step	40
Drop-In Anchor Sizes	37
Drywall Anchor E-Z Anchor	32
Drywall Screws Self-Drilling	4
Drywall Screws Self-Piercing	3
Drywall Screws Technical Data	4
E	
E-Z Anchor	32
F	
Fire Stop Application Products	46
Framing Screws Exterior	5
G	
GRIPPLE	26
I	
Installation Tools Pre-Tied Wires	25
M	
Magnetic Drive Sockets	45
Markets Served	52
N	
Nails Hand Driven / Plastic Cap Nails Coil & Strip Staples Crown	17
Need-It-Now Line Card Drywall Fasteners	2
Need-It-Now Line Card Drywall Tools & Accessories	3
Nuts Finish Hex Hex Coupling Nut Nylon Locknut	15

Contents**Page**

P	
Phillips Bits	45
Powder Actuated Pins	22
POWDER ACTUATED Tools	21
Power Bits	45
PowerPoint™ Pins	22
Pre-Tied Acoustical Wires	24
Pre-Tied Acoustical Wires Installation Tools	25
Q	
Quick Facts BLAZER No Washer	12
Quick Facts PANEL-TITE Sizes	14
R	
Ramset-I-F™ Fastener	20
Ramset-I-F™ Fastener System	20
Ramset PAT 721, SA270, Viper, Cobra, XT540	21
Reciprocating Saw Blades	44
Rivets Blind / Sizes	13
ROCK-ON Cement Board Screws	7
S	
Sammy Screws	27
Saw Blades General Construction	41
Saw Blades Reciprocating	44
Saw Blades Steel / Concrete Cutting High Speed Saws	43
Sealant APS 500 Advanced Polymer Sealant Color	48
Sealant Ultra 1000 Silicone Color	49
Self-Piercing Screws	3
Sheet Metal Screws Hanger Stud Toggle Bolts	16
Silicone Sealant Ultra 1000 Colors	49
Stainless Steel Screws Bugle Head / Mod Truss	8
Steel Framing Screws	5
STRUT Beam Clamps GLOBE	30
STRUT Framing Products Angles and Nuts	29
STRUT Framing Products Channels and Clamps	28
T	
TAPCON Sizes	34
Tapping Screws Sheet Metal	16
Threaded Rod	31
Tools Powder Actuated	21, 25, 33
TRACER Drywall Screws Self-Drilling	4
TRACER Drywall Screws Self-Piercing	3
TRACER Drywall Screws Technical Data	4
TRAK-FAST Pins Bridle Ring	23
TRAK-FAST Pins Threaded Stud	23
TRAK-FAST Pins Top Hat Pin	23
TRAK-FAST Pins With Washer	23
TRAK-FAST Tools	18
TWISTER PRE-TIED WIRES	24
TWISTER PRE-TIED WIRES Installation Tools	25
U	
U-Bolts	31
Ultra 1000 Silicone Sealant Colors	49
W	
Wedge Anchor TRUBOLT Anchor Spacing	36
Wood Decking Screws	6
Wood-to-Metal Screws	11
Z	
ZAMAC	35



NEED-IT-NOW?

We can help!

- Fasteners, Tools, Sealants and Contractor Supplies
- Delivery and Stocking Programs
- Technical Support
- Product Development
- Job-site Assistance



FASTENING SYSTEMS AND SOLUTIONS FOR COMMERCIAL CONSTRUCTION

MARKETS



Application Focused

- Flat Roofing
- Metal Building and Roofing
- Post Frame
- Misc. Cladding | Curtain Wall
- Drywall | Interior
- HVAC / Electrical / Mechanical

25 LOCATIONS

How Can We Help You?

Contact us toll free at 800.486.1832

Alabama - Birmingham
3800 1st Ave. North
Birmingham, AL 35222
P: 205.595.3444 | F: 205.595.7544

Florida - Orlando
114 Atlantic Annex Pt.
Maitland, FL 32751
P: 407.660.0167 | F: 407.660.1256

North Carolina - Charlotte
3317 Pelton Street
Charlotte, NC 28217
P: 704.586.0400 | F: 704.586.0300

Tennessee - Madison
213 Nesbitt Lane
Madison, TN 37115
P: 615.865.0007 | F: 615.868.7257

Alabama - Mobile
764 Lakeside Drive Suite A
Mobile, AL 36693
P: 251.665.5000 | F: 251.665.5001

Florida - Tampa
10111 Woodberry Road
Tampa, FL 33619
P: 813.689.6877 | F: 813.689.6717

North Carolina - Raleigh
79 Rupert Rd.
Raleigh, NC 27603
P: 919.733.1845 | F: 919.856.4910

Texas - Dallas
2801 West Airport Freeway
Irving, TX 75062
P: 972.659.9400 | F: 972.659.9403

Alabama - Montgomery
508 Hackel Drive
Montgomery, AL 36117
P: 334.270.8800 | F: 334.270.0331

Georgia - Atlanta
5800 Oakbrook Parkway, Suite A
Norcross, GA 30093
P: 770.417.1515 | F: 770.409.1451

Ohio - Cincinnati
1021 W. 8th Street
Cincinnati, OH 45203
P: 513.242.5802 | F: 513.242.8209

Texas - Houston
5210 Brittonmoore Rd.
Houston, TX 77041
P: 713.466.7758 | F: 713.466.8390

California - San Jose
1425 Koll Circle
San Jose, CA 95112
P: 408-982-0581

Indiana - Indianapolis
7768 Zionsville Rd #400
Indianapolis, IN 46268
P: 317.872.3944 | F: 317.879.2181

Ohio - Cleveland
4661 Hinckley Ind. Pkwy.
Cleveland, OH 44109
P: 216.351.9933 | F: 216.351.5008

Texas - San Antonio
12746 O'Connor Road
San Antonio, TX 78233

Delaware - New Castle
243-C Quigley Blvd.
New Castle, DE 19720
P: 302.322.0600 | F: 302.322.5102

Maryland - Baltimore
6550 Moravia Park Dr.
Baltimore, MD 21237
P: 410.485.8665 | F: 410.485.4560

Ohio - Columbus
1244 West Goodale Blvd.
Columbus, OH 43212
P: 614.487.8800 | F: 614.487.1634

Virginia - Richmond
6529 Dickens Place
Richmond, VA 23230
P: 804.282.2360 | F: 804.282.4069

Florida - Ft Lauderdale
5600 NW 12th Ave Suite 303
Ft. Lauderdale, FL 33309
P: 954.771.5232 | F: 954.771.5441

Michigan - Detroit Sales
Mark Enderle
Sales | Michigan / NW Ohio
C: 734.674.2466 | F: 216.351.5008

Pennsylvania - Pittsburgh
2001 Preble Ave.
Pittsburgh, PA 15233
P: 412.321.5000 | F: 412.321.7838

Washington - Seattle
8459 South 208th Street
Kent, WA 98031
P: 206.575.0144 | F: 206.575.1118

Florida - Jacksonville
6800 Suemac Place, Suite 2
Jacksonville, FL 32254
P: 904.695.0404 | F: 904.695.0062

Mississippi - Jackson
102 Diane Dr.
Richland, MS 39218
P: 601.664.3449 | F: 601.664.7185

Pennsylvania - Pittsburgh (Corp.)
1925 Preble Ave.
Pittsburgh, PA 15233
P: 412.321.5021 | F: 412.321.7838