

 **Ramset**

 **RED HEAD**

Tapcon

SAMMYS

 **Buildex**



MECHANICAL | ELECTRICAL | PLUMBING

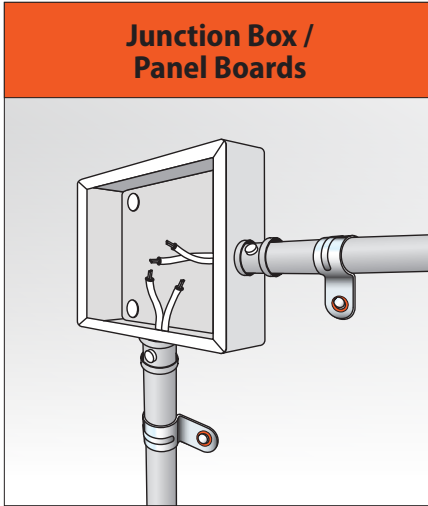
*A wide range of solutions for the Mechanical,
Electrical, and Plumbing Industries*

► Gas and Powder tools for installing into Concrete, Concrete Block, and Steel

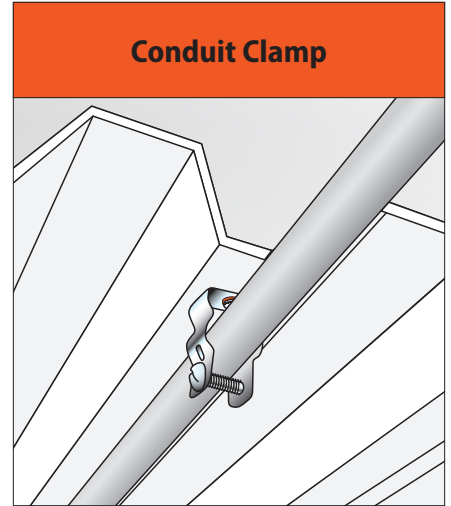
TYPICAL APPLICATIONS



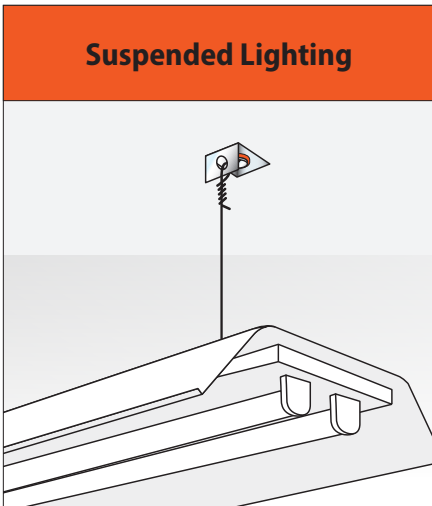
**Junction Box /
Panel Boards**



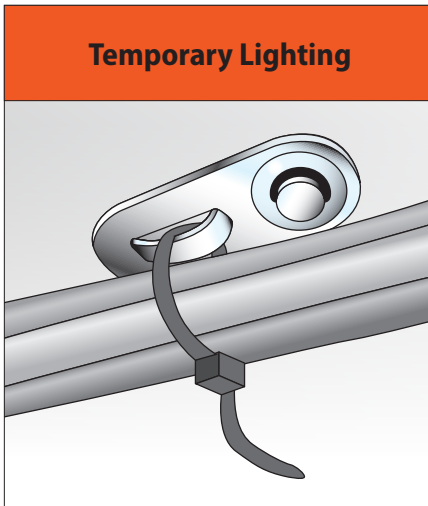
Conduit Clamp



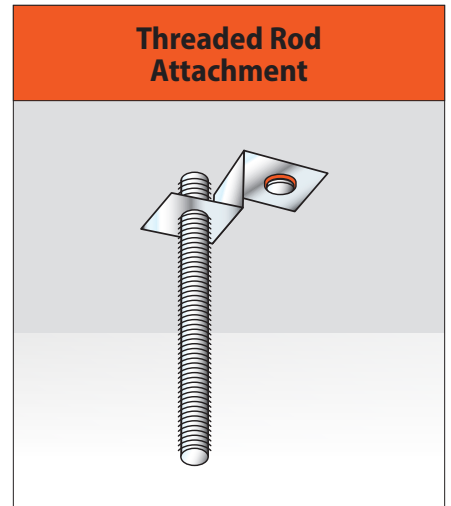
Suspended Lighting



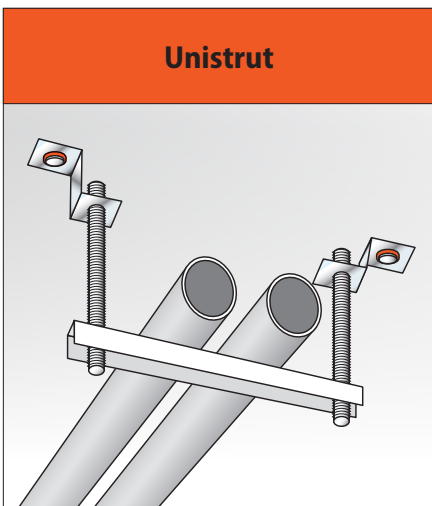
Temporary Lighting



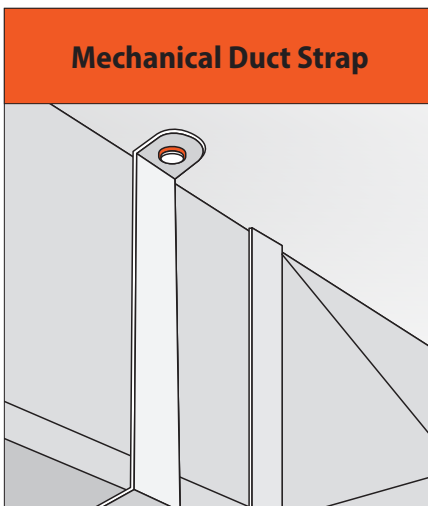
**Threaded Rod
Attachment**



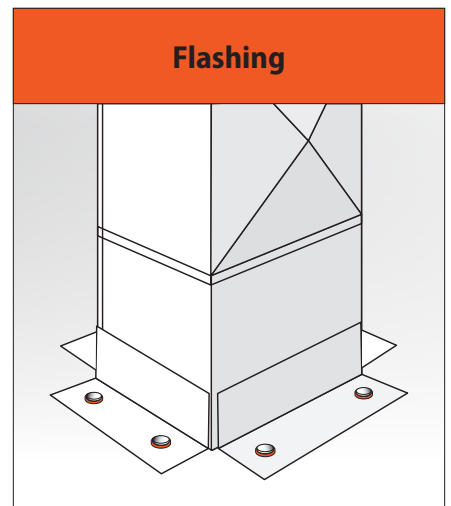
Unistrut



Mechanical Duct Strap



Flashing



PRODUCT SELECTOR GUIDE

P.A.T. TOOLS

Part #	Description	Powder Load Caliber	Description	Maximum Pin Length	Power Load Levels
RA-27	Fully Automatic P.A.T.	.27 cal strip loads	Fully automatic commercial grade P.A.T tool designed to reduce downtime and fatigue, available with magazine	1-1/2"	3, 4, 5
COBRA+	Semi-Automatic P.A.T.	.27 cal strip loads	Contractor grade semi-automatic .27 Cal strip load P.A.T tool with silencer, power adjustment and ergonomic design	3"	2, 3, 4, 5
45000	Hammer Shot 22 Cal	.22 cal single shot loads	DIY Grade hammer actuated tool used with .22 caliber single shot loads	2-1/2"	2, 3, 4
45100	Master Shot 22 Cal	.22 cal single shot loads	Frequent use single shot tool with nose reduction	2-1/2" (3" with washer)	2, 3, 4

P.A.T. .22 CAL SINGLE SHOT LOADS

Part #	Power Level - Colour	Box Qty/Wt(lbs)	Case Qty/Wt(lbs)
C22CW	2 - Brown	100/0.2	1,200/2.4
C32CW	3 - Green	100/0.2	1,200/2.4
C42CW	4 - Yellow	100/0.2	1,200/2.4
R50116	3 - Green	25	125
R50118	4 - Yellow	25	125

P.A.T. .27 CAL STRIP LOADS

Part #	Power Level - Colour	Box Qty/Wt(lbs)	Case Qty/Wt(lbs)
C3RS27	3 - Green	100/0.3	600/1.8
C4RS27	4 - Yellow	100/0.3	600/1.8
C5RS27	5 - Red	100/0.3	600/1.8

PLATED DRIVE P.A.T. PINS - CONCRETE & STEEL - .3" HEAD DIAMETER

Part #	Shank Length	Box Qty	Case Qty/Wt(lbs)
1503K	1/2" Knurled (12.7)	100	5,000
1506	3/4" (19.1)	100	1,200
1508	1" (25.4)	100	1,200
1510	1-1/4" (31.8)	100	1,000
1512	1-1/2" (38.1)	100	1,200
1514	2" (50.8)	100	800
1516	2-1/2" (63.5)	100	800
1524	3" (76.2)	100	600

PLATED DRIVE P.A.T. PINS WITH 7/8" WASHER - .3" HEAD DIAMETER

Part #	Shank Length	Box Qty	Case Qty/Wt(lbs)
1508SD	1" (25.4)	100	1,000
1510SD	1-1/4" (31.8)	100	1,000
1512SD	1-1/2" (38.1)	100	1,000
1516SDC	2-1/2" (63.5)	100	600
1524SDP*	3" (76.2)	100	600

*Square washer indicates 3" pin has been installed

MISC. P.A.T. PINS - .3" HEAD DIAMETER

Part #	Shank Length	Box Qty	Case Qty
SP12*	1" (25.4)	100	1,000
SP178	1-1/4" (31.8)	100	1,000
1516E**	1-1/2" (38.1)	100	1,000
1524SDE**	2-1/2" (63.5)	100	600
1202CF	3" (76.2)	100	600

*Shank Diameter = .150, Regular powerpoint pin without Step Shank, stepped shank diameter = .150/.180

**Ramguard pins coated to improve corrosion resistance in treated lumber

1202CF - 14 gage angle fastener ceiling clip

T4SS SINGLE SHOT PINS

Part #	Description	Shank Diameter	Head Diameter	Jar Qty
38H5MP034	Attach conduit or armored cable, Fastener pre-assembled to 16 gauge conduit strap	.104/.125	0.300	200
12H5MP034	Attach conduit or armored cable, Fastener pre-assembled to 16 gauge conduit strap	.104/.125	0.300	100
TSHMP034	Install temporary lighting and secure low voltage cable to concrete, standard cable tie up to 3/8" width. Fastener pre-assembled to a 22 gauge tie strap holder.	.104/.125	0.300	50

*Customer must purchase T4SSKIT to convert T4MAG gas tool to shoot single shot tools.

*T4CUP and Viper 4 pole adapter available for extended reach installations



► Concrete anchors for light, medium, and heavy duty applications

TYPICAL APPLICATIONS

Trubolt
Wedge Anchor



CL



RL



Multi-Set
Drop-In
Anchors

RM



RX



LDT



Dynabolt
Sleeve Anchor



Flat
Head

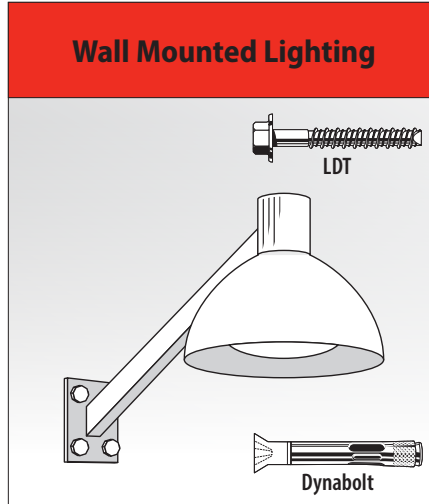


Tapcon Anchors

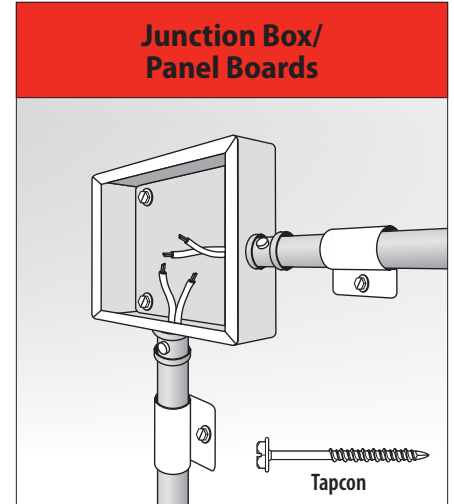
Hex
Head



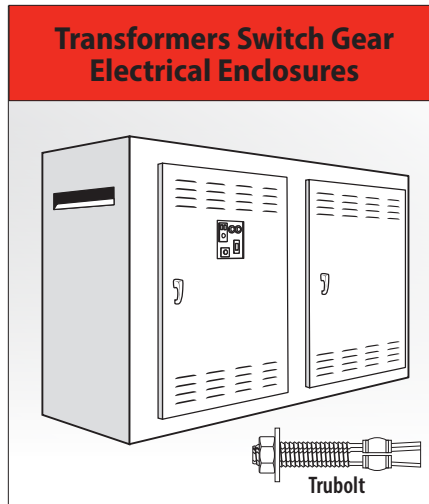
Wall Mounted Lighting



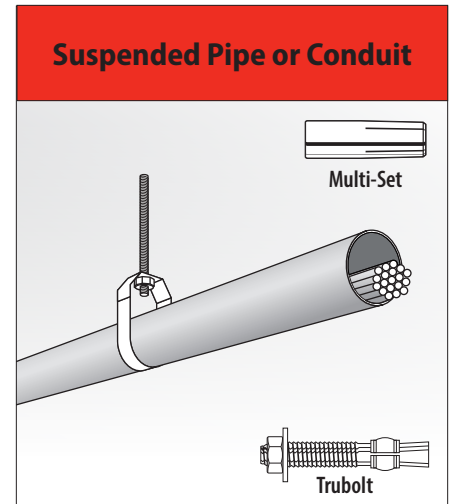
Junction Box/ Panel Boards



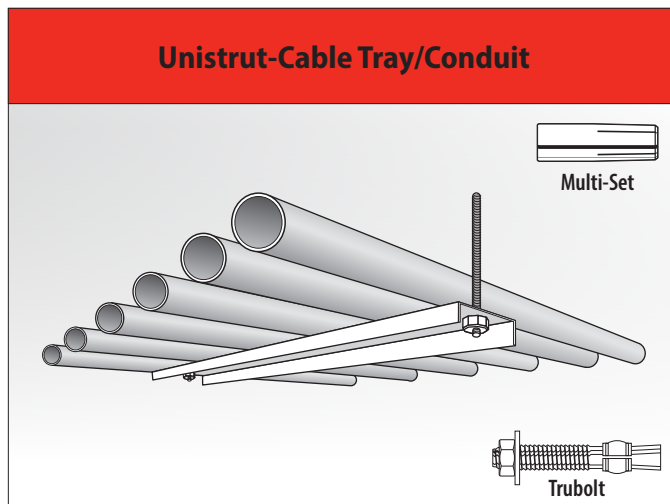
Transformers Switch Gear Electrical Enclosures



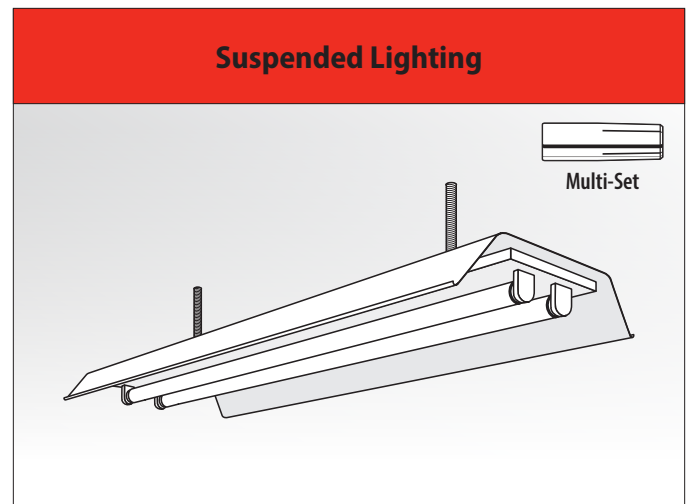
Suspended Pipe or Conduit



Unistrut-Cable Tray/Conduit



Suspended Lighting



PRODUCT SELECTOR GUIDE

TRUBOLT WEDGE ANCHOR – 304 STAINLESS STEEL

Part Number	Approvals	Thread Length In. (mm)	Anchor Dia. & Drill Bit Size (Threads) per inch	Overall Length In. (mm)	Max Thickness of Material to be Fastened In. (mm)	Qty/Wt per Box lbs.	Qty/Wt per MC lbs.
WW-3836	UL, FM	2-1/2" (63.5)	3/8" - 16	3-3/4" (95.3)	1-7/8" (47.6)	50/ 6.0	300/ 37
WW-1242	UL, FM	2-3/4" (69.9)	1/2" - 13	4-1/4" (108.0)	1-1/2" (38.1)	25/ 6.3	150/ 39
WW-1270	UL, FM	3-1/2" (88.9)	1/2" - 13	7" (177.8)	4-1/4" (108.0)	25/ 9.4	150/ 57
WW-5850	UL, FM	3-1/4" (82.6)	5/8" - 11	5" (127.0)	1-5/8" (41.3)	10/ 4.8	100/ 49
Tie Wire							
TW-1400	N/A	N/A	1/4"	2-1/8" (54.0)	9/32-hole (7.1)	100/ 3.6	1000/ 36

For continuous extreme low temperature, use stainless steel

HAMMER-SET ANCHORS – NAIL DRIVE

Part Number	Description In. (mm)	Drill Size In. (mm)	Max Fixture Thickness In. (mm)	Min. Embedment In. (mm)	Min. Hole Depth In. (mm)	Qty/Wt per Box lbs.	Qty/Wt per MC lbs.
HS-607	3/16 x 7/8" (4.8 x 22.2)	3/16" (4.8)	1/4" (6.4)	5/8" (15.9)	1-1/8" (28.6)	100/ 2.0	1000/ 20
HS-1412	1/4 x 1-1/4" (6/4 x 31.8)	1/4" (6.4)	1/2" (12.7)	3/4" (19.1)	1-1/2" (38.1)	100/ 2.6	1000/ 26

MULTI-SET II DROP-IN ANCHORS

Application	Base Material	Drop-In Anchor Type	Approvals	Part No.	Setting Tool Part No.	Bolt Size Threads per Inch	Drill Bit Dia. In. (mm)	Thread Depth In. (mm)	Embedment Min. Hole Depth In. (mm)	Qty/Wt per Box lbs.	Qty/Wt per MC lbs.
HVAC/Fire Sprinkler Plumber (Pipe-fitter)	Solid Concrete/ lightweight fill deck	RM	UL, FM	RM-38	RT-138	3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/ 36
	Hollow core pre-cast or Post-tension	RX	FM	RX-38	RTX-138	3/8" - 16	1/2" (12.7)	3/8" (9.5)	3/4" (19.1)	100/ 3.5	1000/ 36
			N/A	RX-12	RTX-112	1/2" - 13	5/8" (15.9)	1/2" (12.7)	1" (25.4)	50/ 3.0	500/ 31
	Solid Concrete/ lightweight fill deck	SRM 18-8 S.S.	UL, FM	SRM-38	RT-138	3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/ 36
Concrete Cutting/ Sawing Contractor	Solid Concrete/ lightweight fill deck	RL (w/o lip)	UL, FM	SRM-12	RT-112	1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 6.0	400/ 50
			N/A	RL-14	RT-114	1/4" - 20	3/8" (9.5)	3/8" (9.5)	1" (25.4)	100/ 2.6	1000/ 28
			N/A	RL-38	RT-138	3/8" - 16	1/2" (12.7)	1/2" (12.7)	1-5/8" (41.3)	50/ 3.4	500/ 36
			N/A	RL-12	RT-112	1/2" - 13	5/8" (15.9)	3/4" (19.1)	2" (50.8)	50/ 5.8	400/ 49
			N/A	RL-58	RT-158	5/8" - 11	7/8" (22.2)	1" (25.4)	2-1/2" (63.5)	25/ 7.8	125/ 41
			N/A	RL-34	RT-134	3/4" - 10	1" (25.4)	1-1/4" (31.8)	3-3/16" (81.0)	25/ 11.9	100/ 49

One setting tool per master carton.

For continuous extreme low temperature, use stainless steel.



PRODUCT SELECTOR GUIDE

DYNABOLT SLEEVE ANCHORS

Head Style	Approvals	Part No.	Anchor Diameter & Drill Bit Size	Effective Anchor Length In. (mm)	Bolt Dia./ Threads per Inch	Min. Embedment In. (mm)	Max Thickness of Material to be Fastened In. (mm)	Qty/Wt per Box lbs.	Qty/Wt per MC lbs.
Hex Nut	N/A	HN-1614	5/16"	1-1/2" (38.1)	1/4" /20	1-1/4" (31.8)	1/4" (6.4)	100/ 4.0	1000/ 41
	FM	HN-3817	3/8"	1-7/8" (47.6)	5/16" /18	1-1/2" (38.1)	3/8" (9.5)	50/ 3.5	500/ 36
	FM	HN-3830		3" (76.2)	5/16" /18	1-1/2" (38.1)	1-1/2" (38.1)	50/ 4.9	400/ 40
	FM	HN-1222	1/2"	2-1/4" (57.2)	3/8" /16	1-7/8" (47.6)	3/8" (9.5)	25/ 3.3	250/ 34
	FM	HN-1230		3" (76.2)	3/8" /16	1-7/8" (47.6)	1-1/8" (28.6)	25/ 4.0	200/ 33
	FM	HN-1240		4" (101.6)	3/8" /16	1-7/8" (47.6)	2-1/8" (54.0)	25/ 5.3	200/ 44
	FM	HN-1260		6" (152.4)	3/8" /16	1-7/8" (47.6)	4-1/8" (104.8)	20/ 5.6	200/ 56
	FM	HN-5842	5/8"	4-1/4" (108.0)	1/2" /13	2" (50.8)	2-1/4" (57.2)	10/ 3.9	100/ 41
Phillips Flat Head	N/A	FS-3850	3/8"	5" (127.0)	5/16" /18	1-1/2" (38.1)	3-1/2" (88.9)	50/ 5.6	300/ 40

Phillips flat head uses a standard 80° – 82° counter sink.

LDT ANCHORS – CARBON STEEL WITH ZINC PLATING

Part Number	Anchor Diameter In. (mm)	Drill Bit In. (mm)	Effective Length In. (mm)	Max Thickness of Material to be Fastened In. (mm)	Qty/Wt per Box lbs.	Qty/Wt per MC lbs.
LDT-3816	3/8" (9.5)	5/16" (7.9)	1-3/4" (44.5)	1/4" (6.4)	50/ 3.0	400/ 24.0
LDT-3824	3/8" (9.5)	5/16" (7.9)	2-1/2" (63.5)	1" (25.4)	50/ 4.5	400/ 34.0
LDT-3840	3/8" (9.5)	5/16" (7.9)	4" (101.6)	2-1/2" (63.5)	50/ 6.5	400/ 52.0
LDT-5840	5/8" (15.9)	1/2" (12.7)	4" (101.6)	1-1/4" (31.8)	10/ 4.0	100/ 40.0



A7+

Fast Dispensing, Fast Curing Hybrid Adhesive

This hybrid adhesive is dispensed from a dual cartridge through a static mixing nozzle, directly into the anchor hole. A7+ is a quick cure adhesive specifically designed for both structural and non-structural anchoring applications. It comes in both 9.5 fluid oz. and 28 oz.

ADVANTAGES

- ▶ All weather formula for for both hollow and solid base material
- ▶ Great performance in damp holes and underwater applications
- ▶ Applicable for both structural and non-structural anchoring
- ▶ Fast curing time, 45 minutes at 21°C
- ▶ No drip, no sag, easy clean up, low odor
- ▶ Rods are easier to insert into the hole with A7+ compared with other adhesives
- ▶ Hole only needs to be 1/16" larger than the stud (competition requires 1/8" larger)
- ▶ Approved for cracked, uncracked, seismic, masonry
- ▶ NFS 61 approved



A7P-10



A7P-28



A100

SPACING AND EDGE DISTANCE

NOMINAL ANCHOR DIAMETER (IN.)	MINIMUM SPACING (IN.)	MINIMUM EDGE DISTANCE (IN.)
3/8	1	1
1/2	1-1/2	1-1/2
5/8	2-1/2	2-1/2
3/4	3	3
7/8	3-1/2	3-1/2
1	4	4
1-1/4	5	5

CURING TIMES

BASE MATERIAL (F°/C°)	WORKING TIME	FULL CURE TIME
110° / 43°	1.5 minutes	45 minutes
90° / 32°	2.5 minutes	45 minutes
70° / 21°	5 minutes	45 minutes
50° / 10°	16 minutes	90 minutes
32° / 0°	35 minutes	4 hours
14° / -10°	35 minutes	24 hours

*Adhesive must be a minimum temperature of 32°F (0°C) for proper installation

FEATURES



ANCHORAGE TO SOLID CONCRETE

Threaded Rod (Carbon or Stainless Steel) or Rebar supplied by contractor; rod does not need to be chisel pointed

A7+ adhesive completely fills area between rod and hole creating a stress free, high load anchorage

Pre-drilled hole in concrete; see performance tables for suggested hole sizes

APPROVALS/LISTINGS

ASTM C881 Type I, II, IV & V; Grade 3, Class A, B, & C with the exception of gel time (Class C only)

ICC ESR-3903 for concrete and ICC IAPMO ER-890 for masonry

MTO Approval

MTQ Approval

BC MoTI Approval

NSF 61 Compliant



Certified to
ANSI/NSF 61

APPLICATIONS



Stadium Seating

The fast dispensing, fast curing properties of A7+ made it ideal for installing over 70,000 seats in this NFL football stadium and many others.



Roadway Doweling

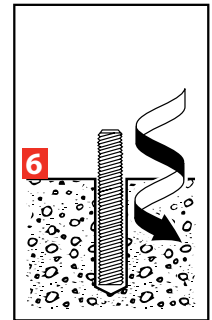
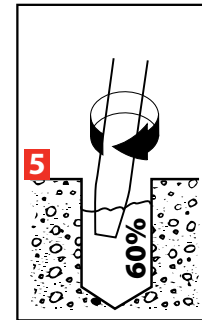
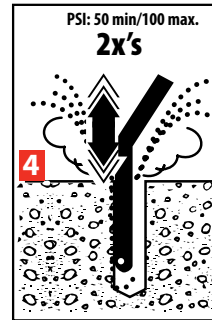
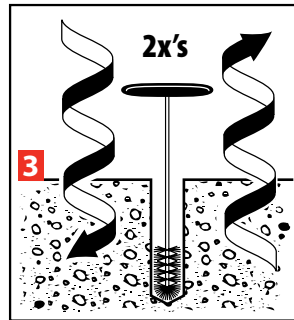
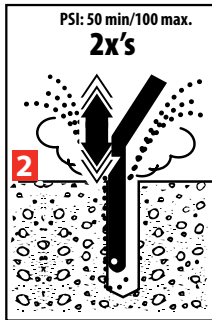
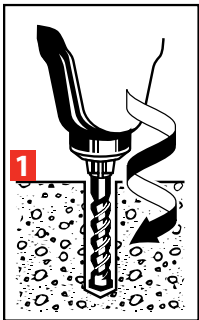
A7+ dispenses so quickly and rebar inserts so easily that contractors find installed costs are lower than many other products including grout for doweling.



Water Treatment Facilities

The fast dispensing, fast curing properties of A7+ make it ideal for repetitive installation processes.

INSTALLATION INSTRUCTIONS



1. Use a rotary hammer drill or pneumatic air drill with a carbide drill bit complying with ANSI B212.15. Drill hole to the required embedment depth. For installation of 3/8" – 1-1/4" anchors, see www.itwredhead.com for a bit diameters and min/max embedment depths.
2. Starting at the bottom of the hole, move a clean air nozzle in and out of the hole, cleaning with compressed air. Repeat until free of debris.**
3. Select appropriately sized Red Head brush based on anchor diameter and depth of hole. See www.itwredhead.com for brush specifications, including minimum diameter. Check brush for wear before use. Insert the brush into the hole with a clockwise motion until the bottom of hole is reached. Pull brush out of hole and repeat at least one additional time. For faster cleaning, attach the brush to a drill/drive.
4. Repeat step 2
5. Place the cartridge/nozzle assembly into the dispensing tool. Note: Do not modify or remove mixing elements in nozzle. Review the gel time/cure time chart, based on the temperature at time of installation, in order to determine tool, cartridge and nozzle requirements. Dispense mixed adhesives outside of hole until uniform color is achieved. Insert the nozzle to the bottom of the hole and dispense adhesive until hole is 2/3 full. If nozzle does not reach the bottom of the hole, use Red Head extension tubing positioned on the end of the nozzle. For holes that contain water, keep dispensing adhesive below water in order to displace water upward.
6. Immediately insert the rod/rebar assembly to the required embedment depth using a slow rotating motion. The anchor rod/rebar must be marked with the required embedment depth. Ensure the adhesive fills all voids and uniformly covers rod/concrete. Do not disturb anchor or apply load/torque until adhesive is fully cured.

A7P-28 FL. OZ. ORDERING INFORMATION

PART NUMBER	DESCRIPTION	BOX QTY
 A7P-28	28 Fluid Ounce Cartridge A7+ with nozzle	4
 S55	Mixing Nozzle for A7P-28 Cartridge Nozzle diameter fits holes for 3/8" diameter & larger anchors (overall length of nozzle 10")	24
 S75	High Flow Mixing Nozzle for A7P-28 Cartridge Nozzle diameter fits holes for 5/8" diameter & larger anchors (overall length of nozzle 9-1/4")	24

PART NUMBER	DESCRIPTION	BOX QTY
 A102-V3	Largest hand dispensable cartridge— still easy to dispense Hand Dispenser for A7P-28 Cartridge	4
 A200	Pneumatic Dispenser for A7P-28	24
 A300	Cordless Battery Dispenser for A7P-28 Cartridge. Includes one battery and charger. Works with all Milwaukee® M18™ batteries	24

ESTIMATING TABLES

ANCHOR INSTALLS PER CARTRIDGE* – USING REINFORCING BAR WITH A7+ ADHESIVE IN SOLID CONCRETE

Rebar	Drill Hole Diameter (In.)	1 (25.4)	2 (50.8)	3 (76.2)	4 (101.6)	5 (127.0)	6 (152.4)	7 (177.8)	8 (203.2)	9 (228.6)	10 (254.0)	11 (279.4)	12 (304.8)	13 (330.2)	14 (355.6)	15 (381.0)
#3	7/16	560.3	280.2	186.8	140.1	112.1	93.4	80.0	70.0	62.3	56.0	50.9	46.7	43.1	40.0	37.4
10M	9/16	339.0	169.5	113.0	84.7	67.8	56.5	48.4	42.4	37.7	33.9	30.8	28.2	26.1	24.2	22.6
#4	5/8	274.6	137.3	91.5	68.6	54.9	45.8	39.2	34.3	30.5	27.5	25.0	22.9	21.1	19.6	18.3
#5 or 15M	3/4	190.7	95.3	63.6	47.7	38.1	31.8	27.2	23.8	21.2	19.1	17.3	15.9	14.7	13.6	12.7
#6 or 20M	7/8	140.1	70.0	46.7	35.0	28.0	23.3	20.0	17.5	15.6	14.0	12.7	11.7	10.8	10.0	9.3
#7	1	107.2	53.6	35.7	26.8	21.4	17.9	15.3	13.4	11.9	10.7	9.7	8.9	8.2	7.7	7.1
#8 or 25M	1 1/8	84.7	42.4	28.2	21.2	16.9	14.1	12.1	10.6	9.4	8.5	7.7	7.1	6.5	6.1	5.6
#9	1 1/4	68.6	34.3	22.9	17.2	13.7	11.4	9.8	8.6	7.6	6.9	6.2	5.7	5.3	4.9	4.6
#10 or 30M	1 3/8	56.7	28.4	18.9	14.2	11.3	9.5	8.1	7.1	6.3	5.7	5.2	4.7	4.4	4.1	3.8
#11	1 3/4	35.0	17.5	11.7	8.8	7.0	5.8	5.0	4.4	3.9	3.5	3.2	2.9	2.7	2.5	2.3

* The number of anchoring installations is based upon calculations of hole volumes using ANSI tolerance carbide tipped drill bits, the nominal areas of the reinforcing bars and the stress areas of the threaded rods. These estimates do not account for waste.

ANCHOR INSTALLS PER CARTRIDGE* – USING THREADED ROD WITH A7+ ADHESIVE IN SOLID CONCRETE

Threaded Rod	Drill Hole Diameter (In.)	1 (25.4)	2 (50.8)	3 (76.2)	4 (101.6)	5 (127.0)	6 (152.4)	7 (177.8)	8 (203.2)	9 (228.6)	10 (254.0)	11 (279.4)	12 (304.8)	13 (330.2)	14 (355.6)	15 (381.0)
1/4	5/16	1098.2	549.1	366.1	274.6	219.6	183.0	156.9	137.3	122.0	109.8	99.8	91.5	84.5	78.4	73.2
3/8	7/16	560.3	280.2	186.8	140.1	112.1	93.4	80.0	70.0	62.3	56.0	50.9	46.7	43.1	40.0	37.4
1/2	9/16	339.0	169.5	113.0	84.7	67.8	56.5	48.4	42.4	37.7	33.9	30.8	28.2	26.1	24.2	22.6
5/8	11/16	226.9	113.5	75.6	56.7	45.4	37.8	32.4	28.4	25.2	22.7	20.6	18.9	17.5	16.2	15.1
	3/4	190.7	95.3	63.6	47.7	38.1	31.8	27.2	23.8	21.2	19.1	17.3	15.9	14.7	13.6	12.7
3/4	13/16	162.5	81.2	54.2	40.6	32.5	27.1	23.2	20.3	18.1	16.2	14.8	13.5	12.5	11.6	10.8
	7/8	140.1	70.0	46.7	35.0	28.0	23.3	20.0	17.5	15.6	14.0	12.7	11.7	10.8	10.0	9.3
7/8	15/16	122.0	61.0	40.7	30.5	24.4	20.3	17.4	15.3	13.6	12.2	11.1	10.2	9.4	8.7	8.1
	1	107.2	53.6	35.7	26.8	21.4	17.9	15.3	13.4	11.9	10.7	9.7	8.9	8.2	7.7	7.1
1	1-1/16	95.0	47.5	31.7	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3
	1-1/8	84.7	42.4	28.2	21.2	16.9	14.1	12.1	10.6	9.4	8.5	7.7	7.1	6.5	6.1	5.6
1-1/4	1-1/3	62.3	31.1	20.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.7	5.2	4.8	4.4	4.2
	1-3/8	56.7	28.4	18.9	14.2	11.3	9.5	8.1	7.1	6.3	5.7	5.2	4.7	4.4	4.1	3.8

* The number of anchoring installations is based upon calculations of hole volumes using ANSI tolerance carbide tipped drill bits, the nominal areas of the reinforcing bars and the stress areas of the threaded rods. These estimates do not account for waste.

PRODUCT SELECTOR GUIDE

3/16" TAPCON ANCHORS – BLUE CLIMASEAL COATING

Fixture Thickness (In.)	Part No. 3/16" Hex Head	Part No. 3/16" Flat Head	Description	Straight Shank Drill Bit Part No.	Drill Bit Description	Box Qty	Case Qty	Bulk Qty
0" – 1/4"	3010	3110	3/16" x 1-1/4"	7200	5/32" x 3-1/2"	100	1000	3000
0" – 3/4"	3020	3120	3/16" x 1-3/4"	7200	5/32" x 3-1/2"	100	1000	3000
1/2" – 1-1/4"	3030	3130	3/16" x 2-1/4"	7210	5/32" x 4-1/2"	100	1000	2000
1" – 1-3/4"	3040	3140	3/16" x 2-3/4"	7210	5/32" x 4-1/2"	100	1000	1500
1-1/2" – 2-1/4"	3060	3160	3/16" x 3-1/4"	7220	5/32" x 5-1/2"	100	1000	1000

* Flat Head used with T-25 Tapcon Star Drive Bit 28000C

1/4" TAPCON ANCHORS – BLUE CLIMASEAL COATING

Fixture Thickness (In.)	Part No. 1/4" Hex Head	Part No. 1/4" Flat Head	Description	Straight Shank Drill Bit Part No.	Drill Bit Description	Box Qty	Case Qty	Bulk Qty
0" – 1/4"	3210	3310	1/4" x 1-1/4"	7230	3/16" x 3-1/2"	100	1000	3000
0" – 3/4"	3220	3320	1/4" x 1-3/4"	7230	3/16" x 3-1/2"	100	1000	2000
1/2" – 1-1/4"	3230	3330	1/4" x 2-1/4"	7240	3/16" x 4-1/2"	100	1000	1000
1" – 1-3/4"	3240	3340	1/4" x 2-3/4"	7240	3/16" x 4-1/2"	100	1000	1000
1-1/2" – 2-1/4"	3250	3350	1/4" x 3-1/4"	7250	3/16" x 5-1/2"	100	1000	750
2-1/4" – 3"	-	3370	1/4" x 4"	7250	3/16" x 5-1/2"	100	1000	750
3-1/4" – 4"	3280	3380	1/4" x 5"	7260	3/16" x 6-1/2"	100	1000	500
4-1/4" – 5"	3290	3390	1/4" x 6"	7270	3/16" x 7-1/2"	100	1000	250

* Flat Head used with T-30 Tapcon Star Drive Bit 28001C

3/16" BLACK TAPCON ANCHORS – BLACK CLIMASEAL COATING

Fixture Thickness (In.)	Part No. 3/16" Hex Head	Part No. 3/16" Flat Head	Description	Straight Shank Drill Bit Part No.	Drill Bit Description	Box Qty	Case Qty
0" – 3/4"	-	3120B	3/16" x 1-3/4"	7200	5/32" x 3-1/2"	100	1000
1" – 1-3/4"	-	3140B	3/16" x 2-3/4"	7210	5/32" x 4-1/2"	100	1000

* Flat Head used with T-25 Tapcon Star Drive Bit 28000C

1/4" BLACK TAPCON ANCHORS – BLACK CLIMASEAL COATING

Fixture Thickness (In.)	Part No. 1/4" Hex Head	Part No. 1/4" Flat Head	Description	Straight Shank Drill Bit Part No.	Drill Bit Description	Box Qty	Case Qty
0" – 1/4"	3210B	-	1/4" x 1-1/4"	7230	3/16" x 3-1/2"	100	1000
0" – 3/4"	3220B	-	1/4" x 1-3/4"	7230	3/16" x 3-1/2"	100	1000
1/2" – 1-1/4"	3230B	-	1/4" x 2-1/4"	7240	3/16" x 4-1/2"	100	1000
1" – 1-3/4"	3240B	3340B	1/4" x 2-3/4"	7240	3/16" x 4-1/2"	100	1000
1-1/2" – 2-1/4"	3250B	-	1/4" x 3-1/4"	7250	3/16" x 5-1/2"	100	1000

* Flat Head used with T-30 Tapcon Star Drive Bit 28001C

TAPCON ANCHORS – 410 STAINLESS STEEL

Fixture Thickness (In.)	Part No. 1/4" Hex Head	Part No. 1/4" Flat Head	Description	Straight Shank Drill Bit Part No.	Drill Bit Description	Box Qty
0" – 3/4"	3368907	-	1/4" x 1-3/4"	7230	3/16" x 3-1/2"	500
1" – 1-3/4"	3370907	-	1/4" x 2-3/4"	7240	3/16" x 4-1/2"	500
1" – 1-3/4"	-	3420907	3/16" x 2-3/4"	7210	5/32" x 4-1/2"	500

* Flat Head used with T-25 Tapcon Star Drive Bit 28000C

PRODUCT SELECTOR GUIDE

TAPCON+ SELECTION CHART

Drill Bit Dia. mm (In.)	Anchor Outside Thread Dia. mm (In.)	Effective Length mm (In.)	Anchor Head (Socket Size) Dia. (In.)	Max Thickness Material to be Fastened mm (In.)	Part No.	Description	Box Qty	Bulk Part no.	Bulk Qty
6.4 (1/4")	7.9 (5/16")	57.2 (2-1/4")	3/8"	6.4 (1/4")	-	5/16 x 2-1/4"	-	3511407	600
6.4 (1/4")	7.9 (5/16")	76.2 (3")	3/8"	25.4 (1")	-	5/16 x 3"	-	3507407	100
9.5 (3/8")	11.7 (7/16")	44.45 (1-3/4")	9/16"	-	11440C	3/8 x 1-3/4"	10	-	-
9.5 (3/8")	11.7 (7/16")	57.15 (2-1/4")	9/16"	6.4 (1/4")	11441C	3/8 x 2-1/4"	10	-	-
9.5 (3/8")	11.7 (7/16")	76.2 (3")	9/16"	12.7 (1/2")	11413C	3/8 x 3"	10	3508407	300
9.5 (3/8")	11.7 (7/16")	101.6 (4")	9/16"	38.1 (1-1/2")	11414C	3/8 x 4"	10	3509407	200
9.5 (3/8")	11.7 (7/16")	127.0 (5")	9/16"	63.5 (2-1/2")	11445C	3/8 x 5"	10	-	-
9.5 (3/8")	11.7 (7/16")	152.4 (6")	9/16"	88.9 (3-1/2")	11446C	3/8 x 6"	10	-	-
12.7 (1/2")	14.0 (9/16")	76.2 (3")	3/4"	25.4 (1")	11447C	1/2 x 3"	10	-	-
12.7 (1/2")	14.0 (9/16")	101.6 (4")	3/4"	50.8 (2")	11420C	1/2 x 4"	10	3510207	100
12.7 (1/2")	14.0 (9/16")	127.0 (5")	3/4"	76.2 (3")	11449C	1/2 x 5"	10	-	-
12.7 (1/2")	14.0 (9/16")	152.4 (6")	3/4"	101.6 (4")	11421C	1/2 x 6"	10	3510407	100

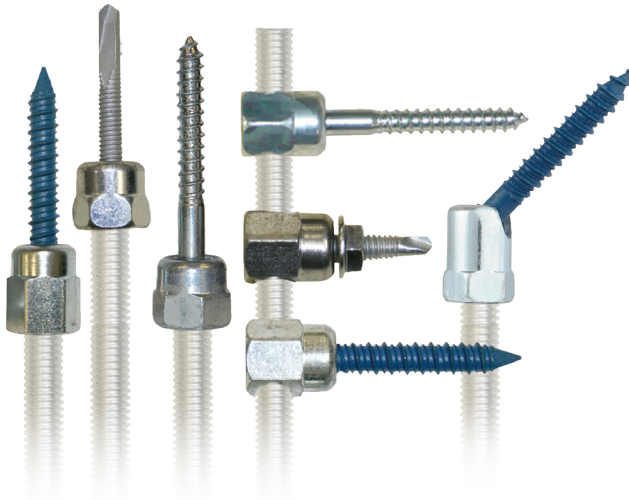
TAPCON+ DRILL BIT

Part No.	Drill Bit Description	Box Qty
11493C	1/4 x 7"	10
11494C	3/8 x 8"	10
11495C	1/2 x 10"	10

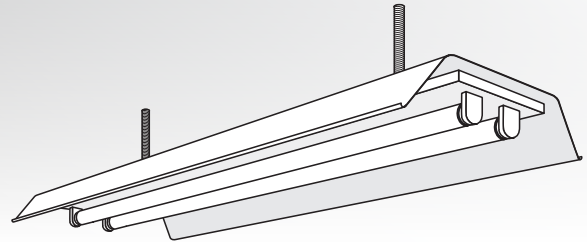


TYPICAL APPLICATIONS

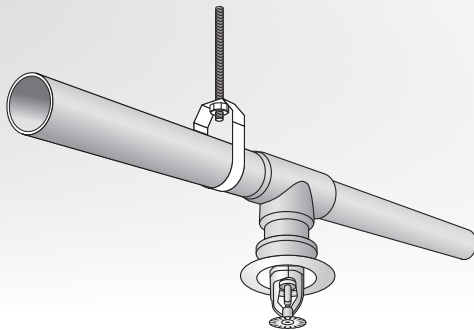
► Overhead threaded rod anchors for wood, steel, concrete, and metal deck



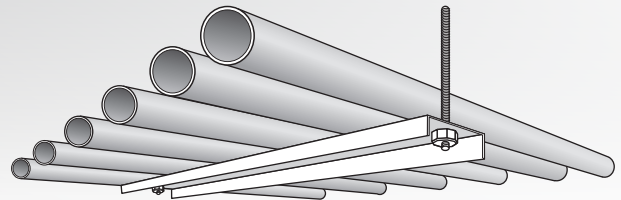
Suspended Lighting



Suspended Sprinkler Pipe



Unistrut-Cable Tray/Conduit



SAMMYS FOR WOOD – VERTICAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Box Qty	Case Qty	Nut Driver Part Number
3/8"	8008957	GST 20	1/4 x 2"	1760 (Fir)	850	1475	25	125	#14 Black 8113910
3/8"	8010957	GST 30	1/4 x 3"	2060 (Fir)	1500	1475	25	125	#14 Black 8113910

SAMMYS FOR WOOD – HORIZONTAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	Box Qty	Case Qty	Nut Driver Part Number
3/8"	8021957	SWG 20	1/4 x 2"	1725 (Fir)	1050	20	125	#14 SW Red 8114910

SAMMYS FOR WOOD – SEISMIC RESTRAINT (SIDEWINDER)

Rod Size	Part Number	Model	Min Thickness	Application	Box Qty	Case Qty
3/8"	8021957	SWG 20	1-1/2"	Wood, Dimensional Lumber, TGI/TJI Joist	25	125

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.

PRODUCT SELECTOR GUIDE

SAMMYS FOR STEEL – VERTICAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Min Thickness	Max Thickness	Box Qty	Case Qty	Nut Driver Part Number
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	#14 Black 8113910
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	

SAMMYS FOR STEEL – HORIZONTAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Min Thickness	Max Thickness	Box Qty	Case Qty	Nut Driver Part Number
3/8"	8055957	SWDR 1*	1/4-20 x 1" TEKS 3	1900 (20 ga.)	1500	1475	.036" - 20 ga.	3/16"	25	125	#14 SW Red 8114910
3/8"	8056957	SWDR 516*	5/16-18 x 1-1/4" TEKS 3	2480 (20 ga.)	1500	1475	.036" - 20 ga.	3/16"	25	125	

SAMMYS FOR STEEL – SEISMIC RESTRAINT (SIDEWINDER)

Rod Size	Part Number	Model	Min Thickness	Max Thickness	Application	Box Qty	Case Qty	Nut Driver Part Number
3/8"	8056957	SWDR 516	16 ga.	3/16"	Steel Purlin or Bar Joist	25	125	#14 SW Red 8114910

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.

SAMMYS X-PRESS – VERTICAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	UL Min. Thickness	FM Test Load (lbs)	FM Min. Thickness	Max Thickness	Box Qty	Case Qty	Application
1/4"	8181922	XP 200	X-PRESS 200	1146 (22 ga.)	185 (Luminaire) 250 (Luminaire)	.027" .060"			.125"	25	125	Metal Deck
3/8"	8150922	XP 20	X-PRESS 20	1146 (22 ga.)	850 (2 1/2" Pipe) 185 (Luminaire) 250 (Luminaire) 283 (Conduit & Cable)	.027" .027" .060" .030"	940 (2" Pipe) 1475 (4" Pipe)	.029" .104"	.125"	25	125	Metal Deck
3/8"	8153922	XP 35	X-PRESS 35	1783 (22 ga.)	1500 (4" Pipe) 85 (Luminaire) 250 (Luminaire) 416 (Conduit & Cable)	.060" .030" .060" .060"	940 (2" Pipe) 1475 (4" Pipe)	.029" .104"	.125"	25	125	Purlin
3/8"	8150922	XP 20	X-PRESS 20	1146 (22 ga.)	850 (2 1/2" Pipe)		Pre-Pour Structural Concrete @ 3000 psi Post-Pour Range II LWC ≤ 35 PCF (lbs/ft³)			25	125	Metal Deck (Pre-Pour) Metal Deck (Post-Pour)

SAMMYS X-PRESS – SWIVEL HEAD

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	UL Min. Thickness	FM Test Load (lbs)	FM Min. Thickness	Max Thickness	Box Qty	Case Qty	Application
3/8"	8295922	SXP 35	Swivel X-PRESS 35	1675 (16 ga. Vertical) 1558 (89° Off Vertical)	1250 (3 1/2" Pipe) 250 Vertical (Luminaire) 500 Vertical (Conduit & Cable) 333 @ 89° (Conduit & Cable)	.060"	635 (2" Pipe)	.029"	.125"	25	125	Purlin

PRODUCT SELECTOR GUIDE

SAMMYS X-PRESS – HORIZONTAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	UL Test Load (lbs)	FM Test Load (lbs)	Min. Thickness	Max Thickness	Box Qty	Case Qty	Application
3/8"	8293957	SWXP 35	Sidewinder X-PRESS 35	1798 (16 ga.)	1250 (3½" Pipe) 80 (Luminaire) 416 (Conduit & Cable)		.060"	.125"	25	125	Purlin

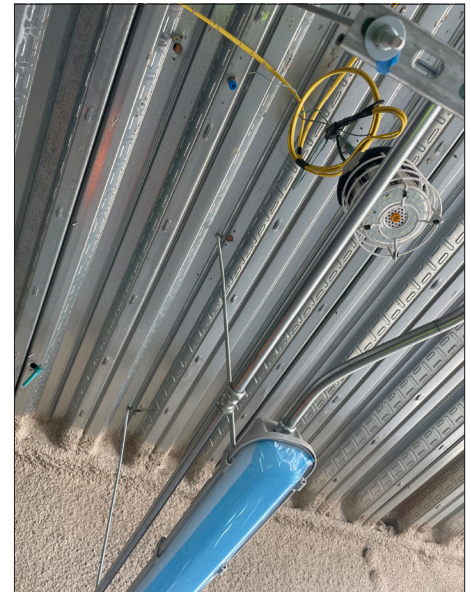
SAMMYS X-PRESS – SEISMIC RESTRAINT (SWIVEL)

Rod Size	Part Number	Model	Min Thickness	Max Thickness	Application	Box Qty	Case Qty	Installation Tool	Part No.
3/8"	8295922	SXP 35	16 ga.	1/8"	Purlin	25	125	UXPIT 2.0 Tool	8196910
3/8"	8293957	SWXP 35	17 ga.	1/8"	Steel Purlin or Bar Joist	25	125		

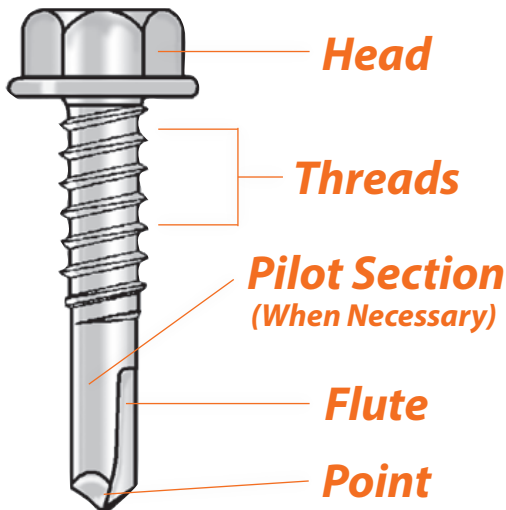
The SWXP 35 must be installed with UXPIT 2.0 Tool (8194910); pre-drilling required

SAMMYS FOR CONCRETE – VERTICAL MOUNT

Rod Size	Part Number	Model	Description	Ultimate Pullout (lbs)	FM Test Load (lbs)	Box Qty	Case Qty	Nut Driver Part Number
3/8"	8059957	CST 20	5/16 x 1-3/4"	2400	1475	25	125	#14 Black 8113910



TEKS® SELF-DRILLING FASTENERS FEATURES



HEAD

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

THREAD FORM AND DIAMETER

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

PILOT SECTION

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

POINT

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

FINISH

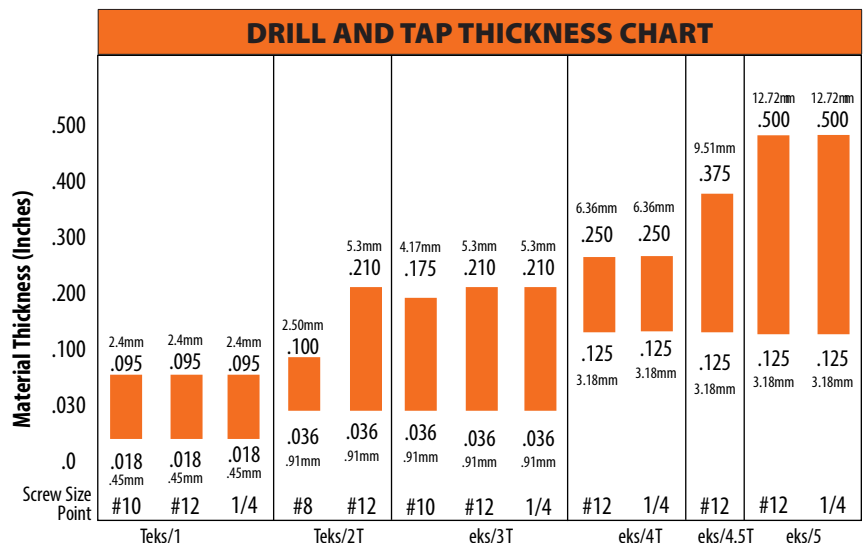
Platings and coatings provide lubricity during drilling and tapping as well as corrosion resistance.

FASTENER DESCRIPTION AND BREAKDOWN – EXAMPLE

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

NOMINAL SCREW SIZES	
Thread Diameter	Decimal Equivalent
#6	.140
#7	.150
#8	.160
#9	.180
#10	.190
#11	.200
#12	.210
#13	.230
#14	.240
1/4	.250
#17	.280

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



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

PRODUCT SELECTOR GUIDE

► Light, Medium, and Heavy duty fasteners for the commercial jobsite

TEKS SELF-DRILLING FASTENERS – LIGHT DUTY STEEL-TO-STEEL APPLICATIONS									Applications
Part Number	Reference Number	Description	Head Style	Drill Point	Finish	Drill & Tap Capacity	Max. Material Attachment	Box Qty	
2240	2240	8-18 x 1/2"	#2 SP	#2	Electro-zinc	.036" -.100"	.205"	10,000	- HVAC, electrical trim accessories to steel framing - Residential steel frame construction - Track to stud - Hat channel to stud - Stud splicing
2250	2250	8-18 x 1/2"	MTH	#2	Electro-zinc	.036" -.100"	.330"	10,000	
2280	2280	8-18 x 5/8"	#2 SP	#2	Electro-zinc	.036" -.100"	.445"	10,000	
2330	2330X	8-18 x 3/4"	#2 SP	#2	Electro-zinc	.036" -.100"	.455"	10,000	
2360	2350XA	8-18 x 1"	#2 SP	#2	Electro-zinc	.036" -.100"	.705"	8,000	
2220	2220	8-18 x 1/2"	1/4" HWH	#2	Electro-zinc	.036" -.100"	.205"	10,000	
2310	2310XA	8-18 x 3/4"	1/4" HWH	#2	Electro-zinc	.036" -.100"	.455"	10,000	
2365	2365A	8-18 x 1"	1/4" HWH	#2	Electro-zinc	.036" -.100"	.705"	8,000	
2480	2480	10-16 x 3/4"	#2 SP	#3	Electro-zinc	.036" -.175"	.325"	6,000	- Clips, duct straps, brick ties or accessories to steel framing
2490	2490X	10-16 x 1"	#2 SP	#3	Electro-zinc	.036" -.175"	.575"	5,000	
2495	2495X	10-16 x 1-1/4"	#2 SP	#3	Electro-zinc	.036" -.175"	.825"	4,000	
2400	2400	10-16 x 1/2"	5/16" HWH	#3	Electro-zinc	.036" -.175"	.150"	6,000	
2460	2460X	10-16 x 3/4"	5/16" HWH	#3	Electro-zinc	.036" -.175"	.325"	6,000	
2510	2510	10-16 x 1"	5/16" HWH	#3	Electro-zinc	.036" -.175"	.575"	5,000	
2220CL	2220CL	8-18 x 1/2"	1/4" HWH	#2	Climaseal	.036" -.100"	.205"	10,000	

TEKS SELF-DRILLING FASTENERS – MEDIUM DUTY STEEL-TO-STEEL APPLICATIONS									Applications
Part Number	Reference Number	Description	Head Style	Drill Point	Finish	Drill & Tap Capacity	Max. Material Attachment	Box Qty	
113601	113601	12-14 x 1"	5/16" HWH	#3	Electro-zinc	.036" -.210"	.520"	4,000	- Duct work to steel framing - Accessories to steel framing - Clip to steel framing
112301	112301	12-14 x 1-1/2"	5/16" HWH	#3	Electro-zinc	.036" -.210"	.800"	2,500	
114001	114001	12-14 x 2"	5/16" HWH	#3	Electro-zinc	.036" -.210"	1.450"	2,000	
114701	114701	1/4-14 x 3/4"	3/8" HWH	#3	Electro-zinc	.036" -.210"	.210"	3,000	
114901	114901A	1/4-14 x 1"	3/8" HWH	#3	Electro-zinc	.036" -.210"	.400"		
115001	115001	1/4-14 x 1-1/4"	3/8" HWH	#3	Electro-zinc	.036" -.210"	.650"	2,000	
115201	115201A	1/4-14 x 1-1/2"	3/8" HWH	#3	Electro-zinc	.036" -.210"	.900"		
115701	115701	1/4-14 x 3"	3/8" HWH	#3	Electro-zinc	.036" -.210"	2.400"	1,000	

TEKS SELF-DRILLING FASTENERS – HEAVY DUTY STEEL-TO-STEEL APPLICATIONS									Applications
Part Number	Reference Number	Description	Head Style	Drill Point	Finish	Drill & Tap Capacity	Max. Material Attachment	Box Qty	
1770057*	177057	12-24 x 1-1/2"	5/16" HWH	#5	Climaseal	.125" -.500"	.625"	250	- Metal deck, clips, linear panels or accessories to structural steel or bar joist
1650P	1088000P	12-24 x 7/8"	5/16" HWH	#4	Climaseal	.125" -.250"	.325"	5,000	
1007000P	1006000P	12-24 x 1-1/4"	5/16" HWH	#5	Climaseal	.125" -.500"	.375"	4,000	
1007000*	1006000	12-24 x 1-1/4"	5/16" HWH	#5	Climaseal	.125" -.500"	.375"	4,000	
1770000*	1001000	12-24 x 1-1/2"	5/16" HWH	#5	Climaseal	.125" -.500"	.625"	2,500	
1772000P	1072000P	12-24 x 2"	5/16" HWH	#5	Climaseal	.125" -.500"	1.125"	2,000	
1007057	1007057	12-24 x 1-1/4"	5/16" HWH	#5	Climaseal	.125" -.500"	.375"	2,000	
1774000	1774000	1/4-28 x 3"	5/16" HWH	#5	Climaseal	.125" -.500"	2.150"	1,000	
1075000	1075000	1/4-28 x 4"	5/16" HWH	#5	Climaseal	.125" -.500"	3.150"	500	- Retrofit clip and sheet applications
1641000	1641000	1/4-28 x 5"	3/8" HWH	#5	Climaseal	.125" -.500"	4.150"	250	
1431000	1431000	1/4-28 x 6"	3/8" HWH	#5	Climaseal	.125" -.500"	5.150"	250	
1590000	1590000	1/4-28 x 8"	3/8" HWH	#5	Climaseal	.125" -.500"	7.150"	150	

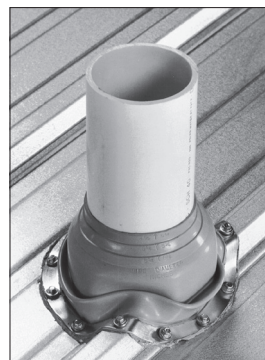
PRODUCT SELECTOR GUIDE

TEKS SELF-DRILLING FASTENERS – WOOD-TO-METAL APPLICATIONS (WITH WINGS)									Applications
Part Number	Reference Number	Description	Head Style	Drill Point	Finish	Drill & Tap Capacity	Wood Attachment Range	Box Qty	
21730P	21730P	12-24 x 2"	#3 SW	#4	Electro-zinc	.125" -.250"	1/4" – 1"	2,000	- Plywood, 2 x 4's to steel framing
21750	21750P	12-24 x 2-5/8"	#3 SW	#4	Electro-zinc	.125" -.250"	1/4" – 1-1/2"	1,500	
21751X	21751X	12-24 x 3"	#3 SW	#4	Electro-zinc	.125" -.250"	1/4" – 2"	1,000	
1980	1096000	1/4-20 x 3"	#3 PFH	#4	Electro-zinc	.125" -.250"	3/4" – 2"	1,000	
1092057	1092057	12-24 x 2-1/4"	#3 PFH	#4	Electro-zinc	.125" -.250"	3/4" – 1-3/8"	2,000	
1094056	1094056	12-24 x 2-3/4"	#3 PFH	#4	Electro-zinc	.125" -.250"	3/4" – 3-5/8"	1,600	

TEKS SELF-DRILLING FASTENERS – METAL ROOF AND WALL APPLICATIONS										Applications
Part Number	Reference Number	Description	Head Style	Washer Diameter	Drill Point	Finish	Drill & Tap Capacity	Max. Material Attachment	Box Qty	
1005000 +	1005000	10-16 x 3/4"	5/16" HWH	9/16"	#3	Climaseal	.036" -.175"	.205"	3,000	- Brick tie to steel framing - Mansard panel to steel framing - Roof panel to purlin - Stitch roof
1420W +	1009000	12-14 x 3/4"	5/16" HWH	9/16"	#3	Climaseal	.036" -.210"	.150"	3,000	
1490W +	1011000	12-14 x 1"	5/16" HWH	9/16"	#3	Climaseal	.036" -.210"	.400"	3,000	
1590W +	1404000	12-14 x 1-1/2"	5/16" HWH	9/16"	#2	Climaseal	.036" -.210"	.680"	2,000	
1620W +	1016000	12-14 x 2"	5/16" HWH	9/16"	#3	Climaseal	.036" -.210"	1.330"	1,500	
1790W +	1416000	1/4-14 x 7/8"	5/16" HWH	9/16"	#1	Climaseal	.018" -.095"	.260"	3,000	
1850W +	1160000	1/4-14 x 1"	3/8" HWH	9/16"	#3	Climaseal	.036" -.210"	.280"	2,500	
1890W		1/4-14 x 1-1/2"	3/8" HWH	9/16"	#3	Climaseal	.036" -.210"	.800"	1,500	
1607000*	1021000	12-24 x 1-1/4"	3/8" HWH	9/16"	#5	Climaseal	.036" -.210"	1.280"	1,000	
1670000*	1000000	12-24 x 1-1/2"	5/16" HWH	9/16"	#5	Climaseal	.125" -.500"	.255"	2,500	
1672000*	1002000	12-24 x 2"	5/16" HWH	9/16"	#5	Climaseal	.125" -.500"	1.005"	1,500	
1003000*	1003000	1/4-28 x 3"	5/16" HWH	9/16"	#5	Climaseal	.125" -.500"	2.030"	1,000	
1647000*	1647000	1/4-28 x 5"	3/8" HWH	3/4"	#5	Climaseal	.125" -.500"	4.030"	250	

E-Z ANCORS SELF-DRILLING DRYWALL ANCHORS											
Part No. with Screws	Part No. without Screws	Description	Material	Holding Weight (lbs.) in Gypsum Board Thickness			Max Fixture Thickness	Accommodates Sheet Metal Screw Size	Box Qty	Case Qty	Bulk Qty
				3/8"	1/2"	5/8"					
6411L	6400L	Mini Twist-N-Lock	Nylon	30	40	50	3/4"	#6	100	1,000	10,000
6411M	6400M	E-Z Mini	Zinc				3/4"	#6, #7, #8	100	1,000	-
6511T	6400	E-Z Ancor	Zinc	40	50	75	3/4"	#6, #7, #8	100	1,000	-
6511	6500	E-Z Stud Solver	Zinc				3/4"	#8	100	1,000	-
6411P	6400P	E-Z Twist-N-Lock	Nylon	65	75	80	3/4"	#8	100	1,000	4,500

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



[illegible]

Notes



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