

SUPER HOLD ANCHORS

P/N 17849




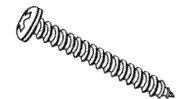

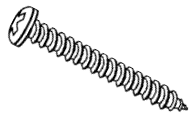





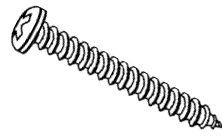
- Ribbed construction for maximum holding power
- Spiral design keeps screw centered
- Expands equally on all sides for better hold
- Specially designed wings prevent spinning
- Ideal for all masonry applications



QTY	SUPER HOLD ANCHOR SIZE	HOLE SIZE	PART #	PHILLIPS BINDING METAL SCREW	PART #
50	4-6 x 1	3/16	88630	6 x 1-1/4	1512
25	8-10 x 1-1/4	1/4	88631	10 x 1-1/2	1532
15	12-14 x 1-1/2	5/16	88632	14 x 1-3/4	1551

NYLON FLANGED ANCHORS PORTA-PAK P/N 17848

3 Sizes of Anchors & Screws • 6-8 x 1" to 12-14 x 1-1/2" Nylon Flanged Anchors • 6 x 1" to 14 x 1-1/2" Phillips Binding Metal Screws

<p>160</p>  <p>8 82503 00680 8</p> <p>Nylon Flanged Anchor, 6-8 x 1" 3/16" Hole Size P/N 680</p> 	 <p>8 82503 01511 4</p> <p>Phillips Binding Metal Screws 6 x 1" P/N 1511</p> 
 <p>8 82503 01531 2</p> <p>Phillips Binding Metal Screws 10 x 1-1/4" P/N 1531</p> 	 <p>8 82503 00681 5</p> <p>Nylon Flanged Anchor, 8-10 x 1-1/4" 1/4" Hole Size P/N 681</p> 
 <p>8 82503 00682 2</p> <p>Nylon Flanged Anchor, 12-14 x 1-1/2" 5/16" Hole Size P/N 682</p> 	 <p>8 82503 01550 3</p> <p>Phillips Binding Metal Screws 14 x 1-1/2" P/N 1550</p> 

NYLON FLANGED ANCHORS W/ DRILLS PORTA-PAK














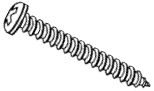

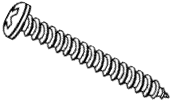

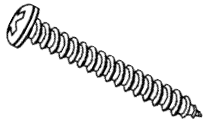
P/N 17690



3 Sizes of Anchors, Screws and Drills • 6-8 x 1" to 12-14 x 1-1/2" Nylon Flanged Anchors • 6 x 1" to 14 x 1-1/2" Phillips Binding Metal Screws • 3/16" to 5/16" CIC 200™ Carbide Masonry Drills

8 82503 12083 2

163

 <p>8 82503 00680 8</p>  <p>Nylon Flanged Anchor, 6-8 x 1" 3/16" Hole Size P/N 680</p>	 <p>8 82503 77504 9</p>  <p>Carbide Masonry Drill Drill Dia: 3/16" Shank Dia: 3/16" Length: 3-1/2" P/N 77504</p>	 <p>8 82503 00681 5</p>  <p>Nylon Flanged Anchor, 8-10 x 1-1/4" 1/4" Hole Size P/N 681</p>	 <p>8 82503 77509 4</p>  <p>Carbide Masonry Drill Drill Dia: 1/4" Shank Dia: 4/4" Length: 4" P/N 77509</p>	 <p>8 82503 00682 2</p>  <p>Nylon Flanged Anchor, 12-14 x 1-1/2" 5/16" Hole Size P/N 682</p>	 <p>8 82503 77518 6</p>  <p>Carbide Masonry Drill Drill Dia: 5/16" Shank Dia: 5/16" Length: 4-3/4" P/N 77518</p>
 <p>8 82503 01511 4</p>  <p>Phillips Binding Metal Screws 6 x 1" P/N 1511</p>		 <p>8 82503 01531 2</p>  <p>Phillips Binding Metal Screws 10 x 1-1/4" P/N 1531</p>		 <p>8 82503 01550 3</p>  <p>Phillips Binding Metal Screws 14 x 1-1/2" P/N 1550</p>	



SUPER-FAST ANCHORS

P/N 17859

- No pre-drilling
- Removable
- Extra deep #2 phillips drive
- Works in 3/8", 1/2" and 5/8" drywall
- Incredibly fast and easy to use

QTY	SUPERFAST ANCHOR	PART #	QTY	PHILLIPS BINDING METAL SCREW	PART #
40	Superfast Mini Anchor	88680	40	6 x 1	1511
20	Superfast Anchor	88650	20	8 x 1-1/4	1521



PLASTIC ANCHORS

P/N 17867

- Use with wood or sheet metal screws
- For light duty fastening in concrete, brick or masonry
- Works in 3/8", 1/2" and 5/8" drywall
- Incredibly fast and easy to use

QTY	PLASTIC ANCHOR SIZE	HOLE SIZE	PART #	PHILLIPS BINDING METAL SCREW	PART #
40	6-10 x 7/8	3/16	5396	8 x 1	1520
25	10-12 x 1	1/4	5397	12 x 1-1/4	1540
14	14-16 x 1-3/8	5/16	5398	14 x 1-1/2	1550



WALL HANGERS

P/N 17868

- Zinc plated steel
- Conveniently packaged with hangers and nails



QTY	WALL HANGER	PART #	QTY	WALL HANGER	PART #
50	10 lb.	88715	50	30 lb.	88717
30	20 lb.	88716	25	50 lb.	88718

SUPERFAST ANCHORS

P/N 19515

Nylon Locking Anchors

- Self-drilling drywall anchor that locks on the wall
- Shock-resistant
- Vibration-resistant
- Positive stop resists overturning
- Can remove screw and item, leaving anchor in wall for reuse



QTY	SUPERFAST ANCHOR	PART #	QTY	PHILLIPS BINDING METAL SCREW	PART #
30	Superfast Anchor (Nylon) Locking	88646	30	8 x 1-1/2	1522

TURBO-DRIVE ANCHORS™

P/N 17930



THE FASTEST ANCHOR ON THE MARKET!

- Installs in wallboard, plywood, concrete, hollow or grout filled block, brick and plaster
- Patented design provides for smooth entry, clean cutting and a powerful hold
- Thread design prevents spinning and stripping
- Heat treated point penetrates metal and wood studs
- Installs quickly and easily with a Phillips screwdriver
- Can be easily backed out

QTY	TURBO-DRIVE ANCHOR	PART #	QTY	TURBO-DRIVE ANCHOR	PART #
40	Pan Head Chrome	88656	40	Pan Head White	88657
20	Oval Head Chrome	88658	20	Oval Head White	88659

WALLBOARD AND PLYWOOD							NORMAL WEIGHT CONCRETE			
ANCHOR DIAMETER IN. (mm)	1/2" WALLBOARD		5/8" WALLBOARD		1/2" PLYWOOD		ANCHOR DIAMETER IN. (mm)	EMBEDMENT DEPTH IN. (mm)	MINIMUM CONCRETE COMPRES. STRENGTH	
	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)			TENSION LBS. (kN)	SHEAR LBS. (kN)
1/4 (6.4)	85 (0.4)	245 (1.1)	135 (0.6)	360 (1.6)	255 (1.1)	600 (2.7)	1/4 (6.4)	3/4 (19.1)	350 (1.6)	1,030 (4.6)
								1 (25.4)	700 (3.2)	1,070 (4.8)

GROUT FILLED AND HOLLOW CONCRETE MASONRY AND STRUCTURAL BRICK MASONRY									
ANCHOR DIAMETER INCHES (mm)	EMBEDMENT DEPTH INCHES (mm)	ANCHOR LOCATION	GROUT FILLED CMU ASTM C-90 BLOCK		HOLLOW CMU ASTM C-90 BLOCK		STRUCTURAL BRICK MASONRY FM > 1500 psi (10.3 MPa)		
			TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	
1/4 (6.4)	3/4 (19.1)	Center of Masonry Unit	-	-	-	-	400 (1.8)	650 (2.9)	
	3/4 (19.1)	T-Joint	-	-	-	-	350 (1.6)	600 (2.7)	
	1 (25.4)	Center of Masonry Unit	285 (1.3)	825 (3.7)	305 (1.4)	825 (3.7)	600 (2.7)	900 (4.1)	
	1 (25.4)	T-Joint	290 (1.3)	915 (4.1)	290 (1.3)	915 (4.1)	380 (1.7)	825 (3.7)	

ANCHORS



- Hollow Wall, Masonry and Multi-Purpose Anchors
- Anchors for Super Fast Installations
- ANKA Bolts
 - Stainless Steel Wedge Expansion Anchors
 - Stud Anchors
 - Sleeve Anchors
- Expansion Shields
- Cement Screws
- Cement Bolt Anchors
- Specialty Anchors
- Maximum Working Loads, Tension, Shear and "Pull-Out" Values

CHROMATE ANCHORS ARE UNIQUELY DESIGNED FOR SUPER FAST INSTALLATION AND MAXIMUM WORKING LOAD. Always use Chromate Anchors for all your wall, floor and ceiling anchoring applications.



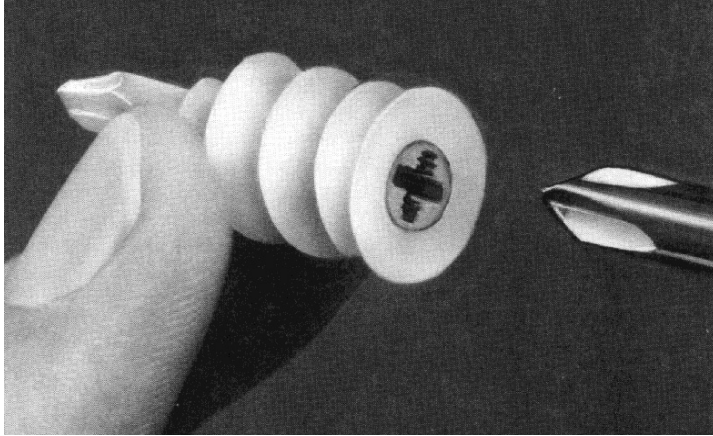
CHROMATE INDUSTRIAL CORP.

EXCEPTIONAL PRODUCTS, SERVICE AND INNOVATIVE SOLUTIONS

HOLLOW WALL ANCHORS

CIC 200™ SUPERFAST™ ANCHORS

The SuperFast Anchor can be installed in seconds with a phillips screwdriver. A drill motor or screw gun will set them even faster!



The SUPERFAST Wall Anchor can be installed directly into drywall, and a fixture attached, in less than one minute. There is no need to pre-drill a hole as the anchor's unique self-drilling point allows you to drill and install in one easy step.

FEATURES:

- No pre-drilling
- Removable
- Extra deep #2 phillips drive
- Works in 3/8", 1/2" and 5/8" drywall
- Installs with screwdriver or screw gun
- Use with #6, 8, 10 or 12 metal screws (not included with anchors)

SuperFast Nylon Locking Anchor*

- Self-drilling drywall anchor that locks on the wall
- Shock-resistant
- Vibration-resistant
- Positive stop resists overturning
- Can remove screw and item, leaving anchor in wall for reuse

APPLICATIONS:

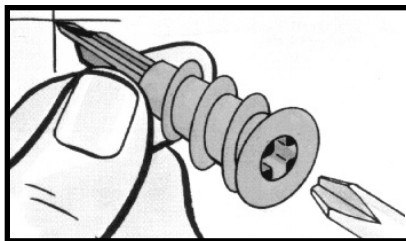
- Mirrors
- Shelving and Supports
- Picture Frames
- Brackets
- Bulletin Boards
- Plaques and Awards
- Bathroom Accessories
- Signs
- Curtain Rods
- Thermostats
- Closet Organizers
- Coat Racks

DESCRIPTION	PART
CIC 200 SUPERFAST ANCHOR – Zinc	T 88650
CIC 200 SUPERFAST ANCHOR – Nylon	T 88645
CIC 200 SUPERFAST ANCHOR – Nylon Locking	T 88646*
CIC 200 SUPERFAST ANCHOR – Zinc Flat Blade	T 88640
CIC 200 SUPERFAST "MINI" – Zinc	U 88680
CIC 200 SUPERFAST "MINI" – Nylon	U 88675

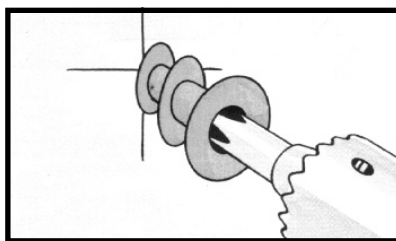
LOAD CAPACITY FOR SUPERFAST ANCHORS

	PULLOUT			SHEAR		
	3/8"	1/2"	5/8"	3/8"	1/2"	5/8"
88675	25	30	40	80	90	120
88680	30	40	50	90	110	140
88650	40	50	75	135	150	200
88645						
88646	58	79	135	–	–	–

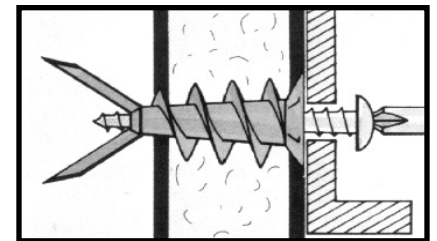
Note: Values listed above are ultimate load capacities which should be reduced by a minimum safety factor of 4 or greater to determine allowable working load.



1. POSITION ANCHOR



2. DRIVE ANCHOR



3. POSITION SCREW AND TIGHTEN

RECOMMENDED PHILLIPS BINDING HEAD SCREWS

FOR STANDARD SUPERFAST ANCHOR				FOR "MINI" SUPERFAST ANCHOR			
SIZE	PART	SIZE	PART	SIZE	PART	SIZE	PART
8 x 1	T 1520	8 x 1-1/2*	R 1522	6 x 3/4	T 1509*	6 x 1-1/2	T 1512
8 x 1-1/4*	R 1521	8 x 2	R 1524	6 x 1	T 1511*	6 x 1-3/4	T 1513

* Most common sizes

HOLLOW WALL ANCHORS

SCREW TYPE TOGGLE BOLT ANCHORS

COMBO ROUND HEAD AND MUSHROOM HEAD

- PHILLIPS/SLOTTED COMBO ROUND HEAD FOR FAST AND EASY ASSEMBLY
- DIE CAST TRUNION NUT HAS MORE THREADS THAN STANDARD TOGGLE – MAKING IT STRONGER AND MORE RELIABLE
- UNIQUE DESIGN PROVIDES GREATER STRENGTH
- CORROSION RESISTANT FINISH



Screws Also Sold Separately (See page 15.3 or 15.2 for 5/16, 3/8 and 1/2 Diameter)



COMBO ROUND HEAD



MUSHROOM HEAD

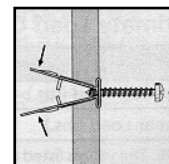
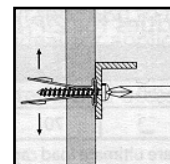
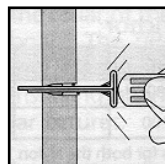
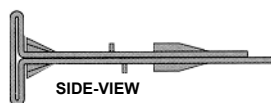
- APPLICATIONS:**
- Drop Ceilings
 - Furring Strips
 - Drapery Hardware
 - Telephone Equipment
 - Lighting Fixtures
 - Metal Trim
 - Handrails
 - Fire & Burglar Alarms

LENGTH	1/8 DIA. 3/8 HOLE		3/16 DIA. 1/2 HOLE		1/4 DIA. 5/8 HOLE		5/16 DIA. 7/8 HOLE	3/8 DIA. 7/8 HOLE	1/2 DIA. 1-1/4 HOLE
	ROUND	MUSHROOM	ROUND	MUSHROOM	ROUND	MUSHROOM	ROUND	ROUND	ROUND
2	N 815	R 10815	N 818	N 10818	-	-	-	-	-
3	N 816	R 10816	N 819	N 10819	N 823	N 10823	N 827	I 831	-
4	N 817	R 10817	N 820	N 10820	N 824	N 10824	I 828	I 832	E 835*
5	-	-	N 821	-	N 825	-	I 829	I 833	E 836*
6	-	-	N 822	-	N 826	-	I 830	I 834	E 837*
WINGS	T 2986	T 2986	R 2987	R 2987	R 2988	R 2988	N 2989	N 2990	I 2991

*Slotted Only

HOLLOW WALL ANCHORS

TAP-IN™ HOLLOW WALL ANCHOR



- FAST, EASY TO USE EXPANSION ANCHOR
- USE WITH #6 OR #8 SCREW
- AS THE SCREW ENTERS THE ANCHOR, IT ENGAGES THE PRE-FORMED TABS ON EACH SIDE CAUSING THEM TO EXPAND OUTWARDS INTO THE BASE MATERIAL
- EASY REMOVAL LEAVES ONLY A SMALL SLIT IN THE WALLBOARD
- ANCHOR LIGHTWEIGHT FIXTURES, SUPPORTS AND ACCESSORIES TO WALLBOARD WITHOUT PRE-DRILLING

1. Place tip of anchor against face of wallboard and tap in with hammer or back of screwdriver until the flange is seated flush against the wallboard.

2. Locate fixture and insert a #6 or #8 sheet metal screw through the fixture hole into the installed anchor. Tighten screw until fixture is securely seated against base material and anchor is fully expanded.

3. To remove, insert the screw into the anchor one turn. Pull on the screw to slide the anchor out of the slit in face of the wallboard.

DESCRIPTION	PART
Tap-In™ Hollow Wall Anchor	R 88708

RECOMMENDED PHILLIPS BINDING HEAD SCREWS

SIZE	PART	SIZE	PART	SIZE	PART	SIZE	PART
8 x 1	T 1520	8 x 1-1/2*	R 1522	6 x 3/4	T 1509*	6 x 1-1/2	T 1512
8 x 1-1/4*	R 1521	8 x 2	R 1524	6 x 1	T 1511*	6 x 1-3/4	T 1513

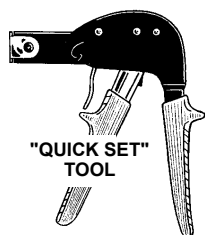
* Most common sizes

SCREW TYPE ANCHORS

- COMBO HEAD SCREW



STANDARD ANCHOR



"QUICK SET" TOOL



- COMBO HEAD SCREW



DRIVE TYPE ANCHOR

STANDARD HOLLOW WALL ANCHOR

SIZE	GRIP	HOLE SIZE	PART
1/8-XS	up to 1/4	5/16	R 5969
1/8-S	1/8 — 5/8	5/16	R 5970
1/8-L	5/8 — 1-1/4	5/16	R 5971
1/8-XL	1-1/4 — 1-3/4	5/16	R 5972
3/16-S	1/8 — 5/8	7/16	R 5973
3/16-L	5/8 — 1-1/4	7/16	N 5974
3/16-XL	1-1/4 — 1-3/4	7/16	N 5975
1/4-S	1/8 — 5/8	1/2	N 5976
1/4-L	5/8 — 1-1/4	1/2	N 5977
1/4-XL	1-1/4 — 1-3/4	1/2	N 5978

DRIVE TYPE ANCHOR

1/8-SDR	1/8 — 5/8	N/A	R 5967
1/8-LDR	5/8 — 1-1/4	N/A	R 5968

"QUICK SET" TOOL

Quick Set™ Tool	A 5986
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WALL HANGERS

- ZINC PLATED STEEL
- FIVE DIFFERENT SIZES
- CONVENIENTLY PACKAGED WITH HANGERS AND NAILS

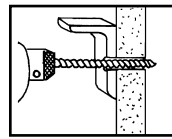
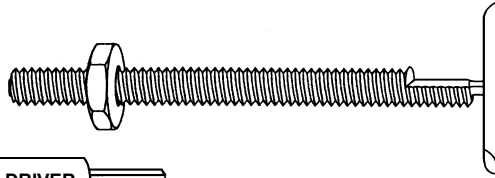


DESCRIPTION	PART
10 lb. Wall Hanger	T 88715
20 lb. Wall Hanger	T 88716
30 lb. Wall Hanger	T 88717
50 lb. Wall Hanger	T 88718
100 lb. Wall Hanger	T 88719

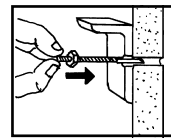
PLASTIC HOLLOW WALL ANCHORS

ZIP-QUICK™ ANCHORS

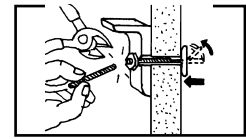
- ELIMINATES BIG HOLES
- EASY TO INSTALL
- EASY TO REMOVE



1. Position item to be fastened and drill hole.



2. Fold cross-piece flat against stem and slide anchor through the hole. (Note: start nut before inserting).



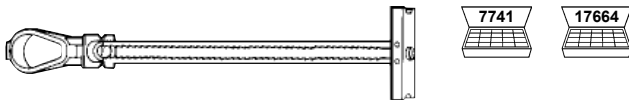
3. Once through hole, crosspiece will spring back to original position. Pull Zip-Quick™ back (making sure threads are clean) and hand-tighten the nut using Zip-Quick™ Speed Driver. Trim excess or leave stub.

- ZIP-QUICK™ SPEED DRIVER QUICKLY COMPLETES INSTALLATION WITH A CORDLESS SCREWDRIVER OR DRILL. WILL SLIP AND RELEASE WHEN PROPER TORQUE HAS BEEN APPLIED.

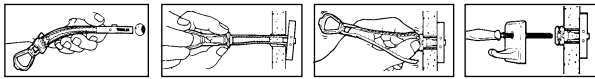
RECOMMENDED DRILLS, NUTS AND WASHERS

DESCRIPTION	SIZE	PART	RECOMMENDED DRILLS, NUTS AND WASHERS					
			DRILL	HEX NUT	WING NUT	KEPNUT	S/SNUT	WASHER
Zip-Quick™ Anchor	10-24 x 2"	T 88685	C 91012	T 5210	T 5142	T 6908	T 14338	U 31238
Zip-Quick™ Speed Driver	10-24 x 3"	D 88700						
Zip-Quick™ Anchor	1/4-20 x 3"	R 88690	C 91016	T 52300	R 5145	T 6914	T 14300	T 31240
Zip-Quick™ Speed Driver	1/4-20 x 4"	D 88705						

MULTI-TOGGLE ANCHORS



- INSTALLS IN SECONDS
- WORKS IN WALLS 3/8" TO 2-1/2" THICK
- BOLT CAN BE REMOVED WITHOUT LOSING ANCHOR BEHIND WALL

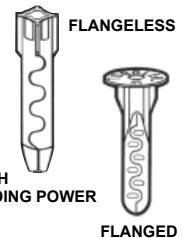


1. Insert in hole 2. Pull ring & push cap to wall 3. Snap off straps 4. Ready to install

SIZE	HOLE SIZE	PART
1/8 (6-32)	3/8	R 5389
3/16 (10-24)	1/2	R 5390
1/4-20	1/2	R 5391
3/8-16	3/4	I 5399

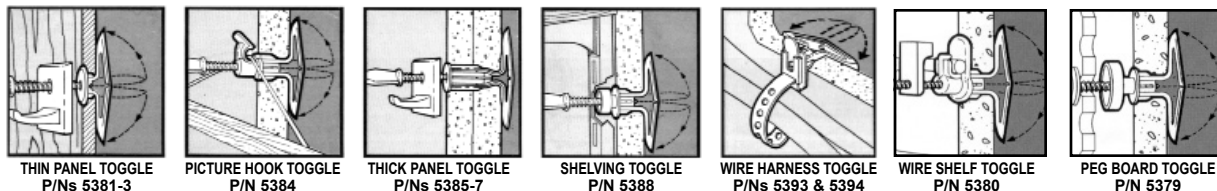
ALLIGATOR ANCHORS

- LAYOUT OR HOLE-SPOTTING IS ELIMINATED – CAN BE DRILLED AND SET WITH FIXTURE IN PLACE
- WORKS IN ANY BUILDING MATERIAL: CONCRETE, BRICK, BLOCK, MASONRY, STUCCO, PLASTER, STONE, TILE, WOOD, DRYWALL
- WORKS WITH DIFFERENT SCREW SIZES FOR HIGHEST HOLDING POWER WITHOUT CRACKING WALL
- HOLDS MORE THAN METAL ANCHORS 2 TIMES THE DIAMETER
- VIBRATION PROOF – MANUFACTURED OF SPECIAL CORROSION-PROOF POLYMER THAT ABSORBS SHOCK
- CAN BE USED WITH SCREWS OF THE SAME SIZE DIAMETER IN HIGH STRENGTH SUBSTRATES PROVIDING EXTREME HEAVY-DUTY HOLDING POWER
- ANTI-ROTATION FINN WEDGE THE ANCHOR IN PLACE TO PREVENT SINKING AND SPINNING DURING INSTALLATION



SIZE	SCREW SIZE	HOLE SIZE	PART
3/16 Flangeless	#4 - #10	3/16	T 5372
1/4 Flangeless	#6 - #14	1/4	R 5373
5/16 Flangeless	#6 - 5/16	5/16	R 5374
3/8 Flangeless	#10 - 3/8	3/8	N 5375
3/16 Flanged	#4 - #10	3/16	T 5376
1/4 Flanged	#6 - #14	1/4	R 5377
5/16 Flanged	#6 - 5/16	5/16	R 5378

BUTTER-FLY TOGGLE ANCHORS



- FASTENS IN DRYWALL, PANELING, TILE AND CONCRETE
- HOLDS UP TO 590 LBS.
- ACCEPTS SCREWS NO. 6 - NO. 14

DRILL	SCREW LTH.	WALL THICK	PART	DRILL	SCREW LTH.	WALL THICK	PART
5/16	3/4	1/8 - 1/4	R 5381	5/16	2-1/2	1-1/2+	R 5387
5/16	1-1/4	3/8-1/2	R 5382	5/16	1-1/4	3/8 - 1/2	R 5388
5/16	1-1/4	5/8-3/4	R 5383	5/16	1-1/4	3/8 - 1/2	R 5393
5/16	1-1/4	3/8-1/2	R 5384	5/16	1-1/4	5/8 - 3/4	N 5394
5/16	1-3/4	1/2-1	R 5385	5/16	1-3/4	3/8 - 1/2	R 5379
5/16	2-1/4	1-3/8+	R 5386	5/16	1-3/4	3/8 - 1/2	N 5380

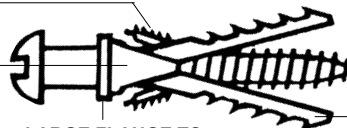
NOTE: See Metal Screw Section for recommended screws.

PLASTIC HOLLOW WALL ANCHORS

NYLON FLANGED ANCHORS

SPECIAL SIDE LOCKS PREVENT ANCHOR FROM TURNING DURING INSTALLATION

SPECIAL TAPER WINGS TO HELP ELIMINATE TURNING IN HOLE



LARGE FLANGE TO ELIMINATE PUSH THROUGH

SUPER DEEP RIDGES FOR SUPERIOR HOLDING POWER

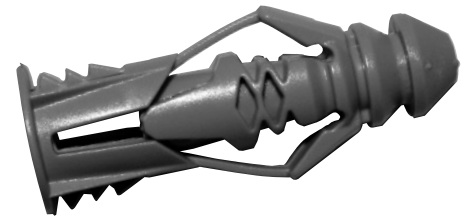


NOTE: SCREWS ONLY INCLUDED IN ASSORTMENTS.

SIZE	DRILL PART	HOLE SIZE	PART	SIZE	DRILL PART	HOLE SIZE	PART
6-8 x 1	91012*	3/16	T 680	12-14 x 1-1/2	91020*	5/16	T 682
8-10 x 1-1/4	91016*	1/4	T 681	*These drills for use on plywood & drywall only. Use P/Ns 77504, 77509 & 77518 for masonry.			

TRIPLE-GRIP™ ANCHORS

The most technologically advanced anchor on the market. Designed with two expandable wings that grip tightly behind drywall for maximum holding power. Advanced cam action technology that expands inside the drywall to give more stability and strength. Two lateral wings hold the anchor in place, preventing any rotation while the screw is inserted.



FEATURES

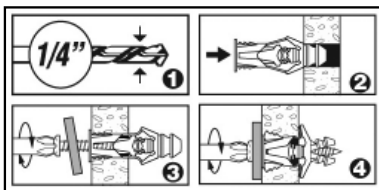
- Easy to install
- Superior holding power
- Expandable wings grip tightly behind drywall
- Lateral wings hold anchor in place
- Cam action expands inside drywall

APPLICATIONS

- Electrical Panels
- Shelving / Drapes / Blinds
- Wall-Mounted Organizers
- Metal Plates / Signs
- For Use On Drywall, Plaster, Brick, Concrete, Ceramic Tile

INSTALLATION

1. Drill the appropriate drill size hole into dry wall/wallboard, brick or concrete.
2. Insert the Triple-Grip™ Anchor into the hole.
3. Insert the screw through the object you need to affix and screw into the Triple-Grip™.
4. Turn clockwise until a firm resistance.



LOAD CAPACITIES

Material	Size	Material	Drill Size	PULL	PULL	SHEAR	SHEAR	PULL	PULL	SHEAR	SHEAR
				MAX	SAFE	MAX	SAFE	MAX	SAFE	MAX	SAFE
				lbs	lbs	lbs	lbs	kg	kg	kg	kg
3/8" Drywall 3/8 Wallboard 10 mm	# 6 (Beige) - 3.5mm	Polyethylene	1/4"	32	16	52	26	15	7	24	12
	# 8 (Grey) - 4mm	Polyethylene	1/4"	35	18	60	30	16	8	27	14
	# 10 (Blue) - 5mm	Polyethylene	5/16"	45	23	75	38	20	10	34	17
	# 12 (Green) - 6mm	Polyethylene	3/8"	60	30	90	45	27	14	41	20

Material	Size	Material	Drill Size	PULL	PULL	SHEAR	SHEAR	PULL	PULL	SHEAR	SHEAR
				MAX	SAFE	MAX	SAFE	MAX	SAFE	MAX	SAFE
				lbs	lbs	lbs	lbs	kg	kg	kg	kg
1/2" Drywall 1/2 Wallboard 13 mm	# 6 (Beige) - 3.5mm	Polyethylene	1/4"	36	18	58	29	16	8	26	13
	# 8 (Grey) - 4mm	Polyethylene	1/4"	42	21	70	35	19	10	32	16
	# 10 (Blue) - 5mm	Polyethylene	5/16"	58	29	92	46	26	13	42	21
	# 12 (Green) - 6mm	Polyethylene	3/8"	74	37	121	61	34	17	55	27

Material	Size	Material	Drill Size	PULL	PULL	SHEAR	SHEAR	PULL	PULL	SHEAR	SHEAR
				MAX	SAFE	MAX	SAFE	MAX	SAFE	MAX	SAFE
				lbs	lbs	lbs	lbs	kg	kg	kg	kg
3/8" Drywall 5/8 Wallboard 16 mm	# 6 (Beige) - 3.5mm	Polyethylene	1/4"	60	30	91	46	27	14	41	21
	# 8 (Grey) - 4mm	Polyethylene	1/4"	64	32	102	51	29	15	46	23
	# 10 (Blue) - 5mm	Polyethylene	5/16"	88	44	154	77	40	20	70	35
	# 12 (Green) - 6mm	Polyethylene	3/8"	132	66	204	102	60	30	93	46

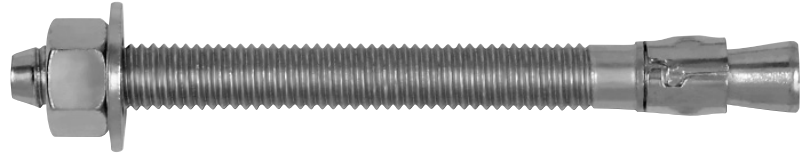
Material	Size	Material	Drill Size	PULL	PULL	SHEAR	SHEAR	PULL	PULL	SHEAR	SHEAR
				MAX	SAFE	MAX	SAFE	MAX	SAFE	MAX	SAFE
				lbs	lbs	lbs	lbs	kg	kg	kg	kg
Concrete 3000 PSI	# 6 (Beige) - 3.5mm	Polyethylene	1/4"	240	120	400	200	109	54	181	91
	# 8 (Grey) - 4mm	Polyethylene	1/4"	275	138	500	250	125	62	227	113
	# 10 (Blue) - 5mm	Polyethylene	5/16"	400	200	800	400	181	91	363	181
	# 12 (Green) - 6mm	Polyethylene	3/8"	500	250	900	450	227	113	408	204

SIZE	DRILL DIAMETER	HOLDING POWER IN DRYWALL	COLOR	PART
#6	1/4"	Up to 110 lbs.	Beige	T 88636
#8	1/4"	Up to 115 lbs.	Grey	T 88637
#10	5/16"	Up to 150 lbs.	Blue	T 88638
#12	3/8"	Up to 200 lbs.	Green	T 88639

CIC 200™ ANKA BOLTS – STAINLESS STEEL

WEDGE EXPANSION ANCHORS – FULLY THREADED, TORQUE-CONTROLLED

CIC 200 Stainless Steel ANKA Bolts are suitable for applications in solid concrete or grout-filled concrete masonry. Produced in stainless steel to offer various levels of corrosion resistance depending on use.



ANCHOR SIZE RANGE

- 1/4" to 1" diameter

GENERAL APPLICATIONS AND USES

- Lighting standards and base plates
- Sills and support ledgers
- Retrofit projects and machinery anchorage
- Food and beverage facilities
- Water treatment plants and marine applications

FEATURES AND BENEFITS

- Fully threaded, medium duty all-purpose anchor
- Anchors can be installed through the fixture for hole spotting not required
- Chamfered impact section prevents damage to threads
- Clip design prevents spinning during installation
- Nominal drill bit diameter same as anchor diameter

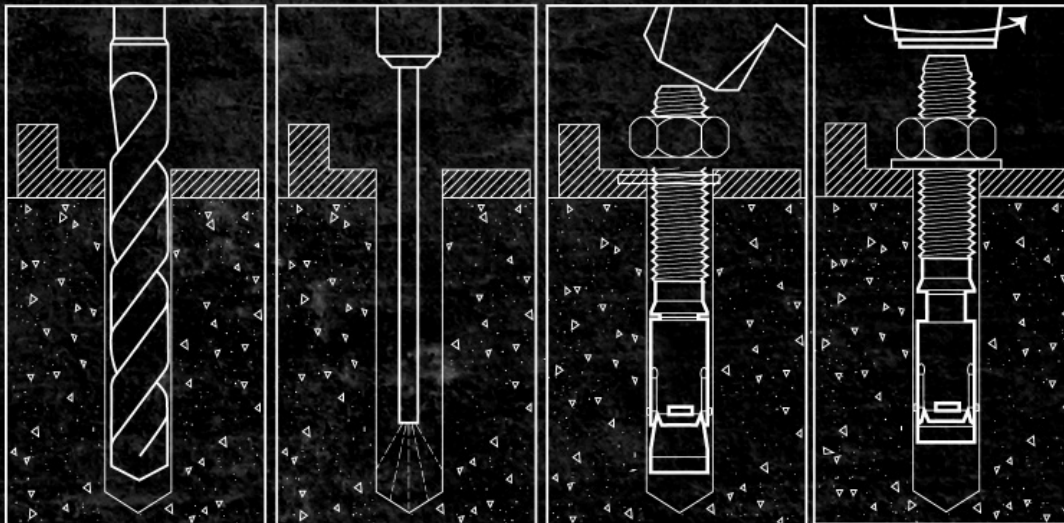
APPROVALS AND LISTINGS

- Tested in accordance with ASTM E488 and AC01 criteria
- FM Global (Factory Mutual) – File No. J.I. OK3A9.AH
- Underwriters Laboratory (UL Listed) – File No. EX1289
- Federal GSA Specification
 - Meets the descriptive and proof load requirements of CID A-A-1923A, Type 4

MATERIAL SPECIFICATIONS

- **Anchor Body:**
 - Type 304Cu (1/4" – 3/4", lengths up to 7")
 - Type 304 (7/8" – 1", lengths over 7")
- **Nut:** Type 18-8 (300 Series) Stainless Steel
- **Washer:** Type 18-8 (300 Series) Stainless Steel
- **Expansion Wedge:** Type 304 Stainless Steel

INSTALLATION INSTRUCTIONS



1.) Using the proper drill bit size, drill a hole into the base material to the required depth. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.

2.) Remove dust and debris from the hole using a hand pump, compressed air or a vacuum to remove loose particles left from drilling.

3.) Position the supplied washer on the anchor and thread on the supplied nut. If installing through a fixture, drive the anchor through the fixture into the hole. Be sure the anchor is driven to the minimum required embedment depth,

4.) Tighten the anchor with a torque wrench by applying the required installation torque, T_{inst} .



NOTE: See Section 23 for Masonry Drills.

CIC 200™ ANKA BOLTS – STAINLESS STEEL

PART NUMBERS / ANCHOR SIZES / MIN. EMBED. THREAD LENGTHS / FM APPROVAL OR UL LISTING

Part Number	Anchor Size	Min. Embed.	Thread Length	FM or UL	Part Number	Anchor Size	Min. Embed.	Thread Length	FM or UL
77900	I 1/4" x 1-3/4"	1-1/8"	3/4"	–	77912	A 5/8" x 5"	2-3/4"	3-1/2"	UL
77901	I 1/4" x 2-1/4"	1-1/8"	1-1/4"	–	77913	A 5/8" x 6"	2-3/4"	4-1/2"	FM/UL
77902	I 1/4" x 3-1/4"	1-1/8"	2-1/4"	–	77921	A 5/8" x 7"	2-3/4"	5-1/2"	UL
77917	E 3/8" x 2-1/4"	1-5/8"	1-1/4"	FM/UL	77922	A 5/8" x 8-1/2"	2-3/4"	7"	UL
77903	E 3/8" x 2-3/4"	1-5/8"	1-5/8"	FM/UL	77914	A 3/4" x 4-1/4"	3-3/8"	2-3/8"	UL
77918	E 3/8" x 3"	1-5/8"	1-7/8"	UL	77923	A 3/4" x 4-3/4"	3-3/8"	2-7/8"	UL
77919	E 3/8" x 3-1/2"	1-5/8"	2-3/8"	FM/UL	77915	A 3/4" x 5-1/2"	3-3/8"	3-5/8"	FM/UL
77904	E 3/8" x 3-3/4"	1-5/8"	2-5/8"	UL	77916	A 3/4" x 6-1/4"	3-3/8"	4-3/8"	UL
77905	E 3/8" x 5"	1-5/8"	3-1/8"	UL	77924	A 3/4" x 7"	3-3/8"	5-1/8"	UL
77906	A 1/2" x 2-3/4"	2-1/4"	1-3/8"	FM/UL	77925	A 3/4" x 8-1/2"	3-3/8"	6-5/8"	UL
77907	A 1/2" x 3-3/4"	2-1/4"	2-3/8"	FM/UL	77926	A 3/4" x 10"	3-3/8"	8-1/8"	UL
77908	A 1/2" x 4-1/2"	2-1/4"	3-1/8"	UL	77927	I 7/8" x 8"	3-7/8"	4-3/4"	UL
77909	A 1/2" x 5-1/2"	2-1/4"	4-1/8"	FM/UL	77928	I 1" x 6"	4-1/2"	2-3/8"	–
77920	A 1/2" x 7"	2-1/4"	5-5/8"	FM/UL	77929	I 1" x 9"	4-1/2"	5-3/8"	–
77910	A 5/8" x 3-1/2"	2-3/4"	2"	FM/UL	77930	E 1" x 12"	4-1/2"	8-3/8"	–
77911	A 5/8" x 4-1/2"	2-3/4"	3"	FM/UL	–	–	–	–	–

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

FM - Factory Mutual Approved

UL - Underwriters Laboratories Listed

Note: Bold italic font (on part number designation) indicates non-stock item. Please call for delivery.

ULTIMATE LOAD CAPACITIES FOR STAINLESS STEEL ANKA BOLTS IN NORMAL-WEIGHT CONCRETE^{1,2}

Anchor Dia. (in.)	Min. Embedment Depth (in.)	Tightening Torque (ft/lb)	Minimum Concrete Compressive Strength (f'_c)					
			2000 psi		4000 psi		6000 psi	
			Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)	Tension (lbs.)	Shear (lbs.)
1/4	1-1/8	8	1,240	1,580	1,440	1,620	1,740	1,620
	1-1/2	8	1,635	1,580	2,080	1,620	2,100	1,620
	2	8	1,900	1,580	2,080	1,620	2,100	1,620
3/8	1-5/8	28	1,920	3,560	3,040	3,760	3,040	3,760
	2	28	2,800	3,560	3,850	3,760	4,075	3,760
	3	28	4,100	3,560	4,200	3,760	4,200	3,760
1/2	2-1/4	60	3,440	6,540	5,560	6,800	6,540	6,800
	3	60	5,100	6,540	6,540	6,800	6,540	6,800
	4	60	5,700	6,540	6,540	6,800	6,540	6,800
5/8	2-3/4	90	6,240	9,280	8,300	11,900	8,860	11,900
	4	90	7,125	9,280	9,000	11,900	9,000	11,900
3/4	3-3/8	175	7,420	12,380	9,500	15,060	10,250	15,060
	5	175	10,640	12,380	10,640	15,060	10,640	15,060
7/8	3-7/8	250	7,600	17,960	12,300	24,160	12,500	24,160
	4-1/2	250	9,600	17,960	12,500	24,160	12,500	24,160
	5-3/4	250	10,640	17,960	12,500	24,160	12,500	24,160
1	4-1/2	300	8,740	26,420	13,820	31,100	17,125	31,100
	5-1/2	300	12,770	26,420	17,125	31,100	17,125	31,100
	6-1/2	300	16,605	26,420	17,125	31,000	17,125	31,100

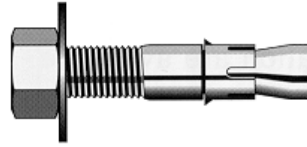
1. Tabulated load values are for anchors installed in concrete. Concrete compressive strength must be at the specified minimum at the time of installation.

2. Ultimate load capacities must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working load. Consideration of safety factors of 10 or higher may be necessary depending upon the application such as life safety or overhead.

CIC 200™ ANKA BOLTS – CARBON STEEL

STUD ANCHOR

- USED FOR HEAVY DUTY FASTENING APPLICATIONS WHERE HIGH PULLOUT VALUES ARE REQUIRED
- FULL BODY DIAMETER – NO NEED TO REPOSITION EQUIPMENT
- UNIVERSAL STYLE COLLAR
- LISTED OR APPROVED BY: ICBO ES, COLA, DADE COUNTY



NOTE: See Section 23 for Masonry Drills.

ANCHOR & DRILL SIZE	THREAD LENGTH	MIN. HOLE DEPTH	PART	ANCHOR & DRILL SIZE	THREAD LENGTH	MIN. HOLE DEPTH	PART
1/4 x 1-3/4	3/4	1-1/8	N 77601	5/8 x 5	2	3-3/4	E 77622
1/4 x 2-1/4	3/4	1-1/8	N 77602	5/8 x 6	2	3-3/4	E 77625
1/4 x 3-1/4	3/4	1-1/8	N 77603	5/8 x 8-1/2	2	3-3/4	E 77627
5/16 x 2	7/8	1-1/2	N 77609	3/4 x 4-1/4	2	3-1/4	E 77630
5/16 x 2-3/4	1-1/8	1-1/2	N 77612	3/4 x 5-1/2	2	3-1/4	B 77635
5/16 x 3-3/4	1-1/8	1-1/2	I 77613	3/4 x 6-1/4	2	3-1/4	E 77637
5/16 x 5	1-1/8	1-1/2	I 77614	3/4 x 7	2	3-1/4	B 77640
3/8 x 2-1/4	7/8	1-1/2	N 77604	3/4 x 8-1/2	2	3-1/4	B 77645
3/8 x 2-3/4	1-1/8	1-1/2	I 77606	3/4 x 10	2	3-1/4	B 77650
3/8 x 3-3/4	1-1/8	1-1/2	I 77607	7/8 x 6	2	3-1/4	A 77651
3/8 x 5	1-1/8	1-1/2	I 77608	7/8 x 8	2	3-1/4	A 77652
1/2 x 2-3/4	1-1/4	2-1/4	I 77600	7/8 x 10	2	3-1/4	A 77653
1/2 x 3-3/4	1-1/4	2-1/4	I 77605	1 x 6	2	4-1/2	A 77655
1/2 x 4-1/2	1-1/4	2-1/4	E 77616	1 x 9	2	4-1/2	A 77660
1/2 x 5-1/2	1-1/4	2-1/4	E 77610	1 x 12	2	4-1/2	A 77665
1/2 x 7	1-1/4	2-1/4	E 77611	1-1/4 x 9	2	4-1/2	A 77670
5/8 x 3-1/2	2	3-3/4	E 77615	1-1/4 x 12	2	4-1/2	A 77675
5/8 x 4-1/2	3	3-3/4	E 77620	–	–	–	–

ULTIMATE LOAD CAPACITIES IN NORMAL-WEIGHT CONCRETE^{1,2}

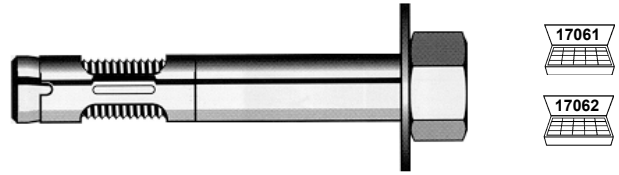
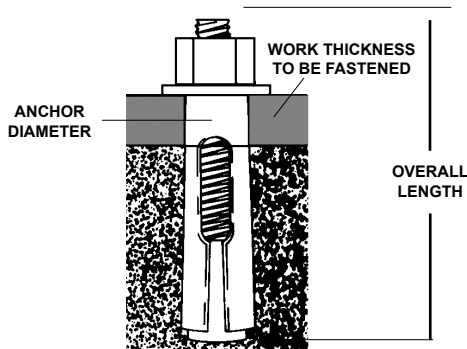
ANCHOR DIA. (in.)	EMBEDMENT DEPTH (in.)	TORQUE (ft/lb)	2000 psi		4000 psi		6000 psi	
			TENSION (lbs.)	SHEAR (lbs.)	TENSION (lbs.)	SHEAR (lbs.)	TENSION (lbs.)	SHEAR (lbs.)
1/4	1-1/8	5-10	1170	1445	1770	1815	2775	2635
	1-3/4		1840	1445	2410	1815	2775	2635
	2-3/4		1975	1445	2750	1815	2830	2635
3/8	1-1/2	25-30	1630	4320	3640	5120	4450	6235
	3		3230	4320	5655	5120	5975	6235
	5		4075	4320	6330	5120	6360	6235
1/2	2-1/4	50-60	4000	7420	6715	9380	9615	9890
	4		6335	7420	8945	9380	10190	9890
	6		6900	7420	10175	9380	12065	9890
5/8	3-3/4	75-90	5000	8265	8750	12930	9760	16375
	5		8855	8265	15590	12930	16800	16375
	7		9380	8265	16710	12930	17735	16375
3/4	3-1/4	150-175	6640	12505	11315	17050	16230	22965
	6		10085	12505	18410	17050	21090	22965
	8		11170	12505	19805	17050	22525	22965
7/8	3-7/8	200-250	8395	18250	16355	20235	16800	23980
	5-3/4		12065	18250	18250	20235	23405	23980
	8-3/4		12785	18250	16850	20235	25575	23980
1	4-1/2	250-300	9775	23620	18250	27605	27460	28910
	7-1/2		11890	23620	26725	27605	34960	28910
	10		15590	23620	30490	27605	37840	28910
1-1/4	5-1/2	400-450	17550	32275	22970	42690	32370	55565
	7		21050	32275	27845	42690	48365	55565
	10		27895	32275	34790	42690	61270	55565

1. Tabulated load values are for anchors installed in uncracked concrete with no edge or spacing considerations. Concrete compressive strength must be at the specified minimum at the time of installation.
 2. Ultimate load capacities must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working loads.

CIC 200™ ANKA BOLTS

SLEEVE ANCHORS – HIGH STRENGTH, MULTI-PURPOSE

- THE STRONGEST MOST VERSATILE ANCHORING DEVICE AVAILABLE FOR SOLID OR HOLLOW MASONRY MATERIALS



- FOR USE IN FOUNDATIONS, FLOORS, WALLS, CEILINGS, CONCRETE BLOCK, STONE, TILE, BRICK AND MARBLE
- GIVES MAXIMUM HOLDING POWER
- PRE-ASSEMBLED – READY-TO-USE
- NO NEED TO REPOSITION EQUIPMENT – JUST DRILL AND INSTALL
- TRUE EXPANSION PRINCIPLE – THE HEAVIER THE LOAD, THE HARDER THEY HOLD
- SLEEVE BECOMES A FACTOR IN A SHEAR LOAD APPLICATION – IT PROVIDES INCREASED STRENGTH IN ADDITION TO ANCHOR'S BOLT

ANCHOR & DRILL SIZE	MIN. HOLE DEPTH	FASTENS MATERIAL	PART	ANCHOR & DRILL SIZE	MIN. HOLE DEPTH	FASTENS MATERIAL	PART
1/4 x 1-3/8	1-1/8	1/4	N 750	1/2 x 4	1-7/8	2-1/8	I 759
1/4 x 2-1/4	1-1/8	1-1/8	N 751	1/2 x 6	1-7/8	4-1/8	I 760
5/16 x 1-1/2	1-1/4	1/4	N 753	5/8 x 2-1/4	2	1/4	I 745
5/16 x 2-1/2	1-1/4	1-1/4	N 754	5/8 x 4-1/4	2	2-1/4	I 761
3/8 x 1-7/8	1-1/2	3/8	N 755	5/8 x 6	2	4	I 762
3/8 x 3	1-1/2	1-1/2	N 756	3/4 x 2-1/2	2-1/4	1/4	I 763
1/2 x 2-1/4	1-7/8	3/8	I 757	3/4 x 4-1/4	2-1/4	2	I 764
1/2 x 3	1-7/8	7/8	I 758	3/4 x 6-1/4	2-1/4	4	E 765

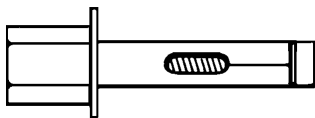
MAXIMUM TENSILE AND SHEAR GUIDELINES FOR STATIC LOADS

DRILL SIZE (INCHES)	BOLT SIZE	EMBEDMENT (INCHES)	3000 PSI	
			TENSION (LBS.)	SHEAR (LBS.)
1/4	10-24	5/8	800	1,500
1/4	10-24	1-3/8	1,300	1,500
5/16	1/4-20	1-1/2	1,700	2,000
3/8	5/16-18	1-7/8	2,400	3,000
1/2	3/8-16	2-1/4	4,700	5,200
5/8	1/2-13	2-1/4	5,900	10,100
3/4	5/8-11	3-3/8	9,200	15,000

NOTE: See Section 23 for Masonry Drills.

CIC 200™ ANKA BOLT ACCESSORIES

ROD COUPLING ANKA BOLT



- USE FOR ATTACHING THREADED ROD TO BRICK, CINDER BLOCK, THIN WALL, MARBLE OR CONCRETE

ANCHOR & DRILL SIZE	ROD SIZE	MIN. HOLE DEPTH	PART
5/16 x 1-1/2	1/4	1	I 700
3/8 x 1-7/8	3/8	1-1/4	I 701
1/2 x 2-1/4	1/2	1-1/2	I 703
5/8 x 2-1/4	5/8	2	E 705

FLAT HEAD SLOTTED



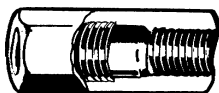
ROUND HEAD SLOTTED



ANCHOR & DRILL SIZE	MIN. HOLE DEPTH	FASTENS MATERIAL	PART
1/4 x 1-1/8	1	3/8	N 773
1/4 x 2	1	1	N 774
1/4 x 3	1	2	N 775
1/4 x 4	1	3	N 776

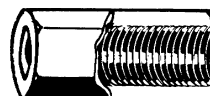
ANCHOR & DRILL SIZE	MIN. HOLE DEPTH	FASTENS MATERIAL	PART
1/4 x 1-1/4	1	1/4	N 783
1/4 x 2-3/4	1	1-3/4	N 785

REDUCING COUPLING



SIZE	LENGTH	PART
1/4-20 x 3/8-16	1	N 715
5/16-18 x 3/8-16	1	N 716
5/16-18 x 1/2-13	1-1/4	N 717
3/8-16 x 1/2-13	1-1/4	N 718
1/2-13 x 5/8-11	1-1/2	I 720

HEX ROD COUPLING



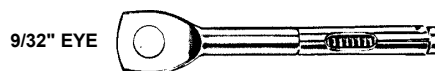
SIZE	PART
10-24 x 7/8	N 707
1/4-20 x 7/8	N 708
5/16-18 x 7/8	N 709
3/8-16 x 1	N 710
1/2-13 x 1-1/4	N 711
5/8-11 x 1-1/2	I 712
3/4-10 x 2-1/4	E 713

EYE COUPLING



SIZE	PART
1/4-20 x 1-1/2	N 721

TIE WIRE BOLT



SIZE	PART
5/16 x 1-1/2	N 738

NOTE: See Section 23 for Masonry Drills.

CIC 200™ EXPANSION SHIELDS

FOR LAG SCREWS, MACHINE SCREWS AND BOLTS

LONG LAG SCREW EXPANSION SHIELDS

- DESIGNED FOR LIGHT TO MEDIUM DUTY FASTENING IN CONCRETE, MORTAR JOINT, MASONRY AND BRICK
- SCREW LENGTH SHOULD BE LAG SHIELD LENGTH + MATERIAL THICKNESS + 1/4"



SIZE	PART	HOLE SIZE
1/4 x 1-1/2	640	R 1/2
5/16 x 1-3/4	641	N 1/2
3/8 x 2-1/2	642	N 5/8
1/2 x 3	643	N 3/4
5/8 x 3-1/2	644	I 7/8
3/4 x 3-1/2	645	I 1

SHORT LAG SCREW EXPANSION SHIELDS

- DESIGNED FOR LIGHT TO MEDIUM DUTY FASTENING IN CONCRETE, MORTAR JOINT, MASONRY AND BRICK
- SCREW LENGTH SHOULD BE LAG SHIELD LENGTH + MATERIAL THICKNESS + 1/4"



SCREW SIZE	HOLE SIZE	PART
1/4 x 1	1/2	R 630
5/16 x 1-1/4	1/2	R 631
3/8 x 1-3/4	5/8	N 632
1/2 x 2	3/4	N 633
5/8 x 2	7/8	N 634
3/4 x 2	1	I 635

LONG SINGLE EXPANSION SHIELDS

- USE WITH MACHINE SCREWS OR BOLTS IN CONCRETE, BRICK OR STONE
- SCREW OR BOLT CAN BE REMOVED AND REPLACED WITHOUT EFFECTING THE HOLDING POWER OF THE ANCHOR



SIZE	PART	HOLE SIZE
5/16-18 x 2	671	N 5/8
1/2-13 x 2-1/2	673	I 7/8
5/8-11 x 2-5/8	674	I 1
3/4-10 x 2-3/4	675	E 1-1/4

SHORT SINGLE EXPANSION SHIELDS

- USE WITH MACHINE SCREWS OR BOLTS IN CONCRETE, BRICK OR STONE
- SCREW OR BOLT CAN BE REMOVED AND REPLACED WITHOUT EFFECTING THE HOLDING POWER OF THE ANCHOR



SIZE	PART	HOLE SIZE
1/4-20 x 1-5/16	670	N 1/2
5/16-18 x 1-1/2	661	N 5/8
3/8-16 x 1-1/2	662	N 5/8
1/2-13 x 2	663	I 7/8

DOUBLE EXPANSION SHIELDS

- DESIGNED FOR USE IN ALL TYPES OF SOLID MASONRY
- IDEAL FOR HIGH VIBRATION APPLICATIONS AND HEAVY LOADS
- WILL NOT RUST OR CORRODE



SIZE	PART	HOLE SIZE
1/4-20 x 1	685	N 1/2
5/16-18 x 1-1/4	686	N 5/8
3/8-16 x 2	687	N 3/4
1/2-13 x 2	688	I 7/8
5/8-11 x 2-1/4	689	I 1
3/4-10 x 2-7/8	690	E 1-1/4

NOTE: See Section 23 for Masonry Drills.

CIC 200™ EXPANSION SHIELDS

FOR MACHINE SCREWS

MACHINE SCREW ANCHORS

- DESIGNED FOR USE IN SOLID MASONRY SUCH AS CONCRETE, STONE, BRICK, MORTAR, BLOCK OR MARBLE



SIZE	PART	HOLE SIZE	SIZE	PART	HOLE SIZE
6-32	R 650	5/16	1/4-20	R 654	1/2
8-32	R 651	5/16	5/16-18	N 655	5/8
10-24	R 652	3/8	3/8-16	N 656	3/4
12-24	R 653	1/2	1/2-13	N 657	7/8

LEAD SCREW ANCHORS

- DESIGNED FOR ANCHORING IN MASONRY, BRICK OR CONCRETE
- USE WITH WOOD OR SHEET METAL SCREWS – SCREWS CUT THEIR OWN THREAD INTO SHIELD AS IT EXPANDS
- FLANGED END PREVENTS ANCHOR FROM SLIPPING INTO HOLE



SCREW SIZE	HOLE SIZE	PART	SCREW SIZE	HOLE SIZE	PART
6-8 x 3/4	1/4	T 620	10-12-14 x 1	5/16	T 624
6-8 x 1	1/4	T 621	10-12-14 x 1-1/2	5/16	R 625
6-8 x 1-1/2	1/4	T 622	16-18 x 1	3/8	R 626
10-12-14 x 3/4	5/16	T 623	16-18 x 1-1/2	3/8	R 627

MACHINE SCREW ANCHOR INSTALL. TOOLS



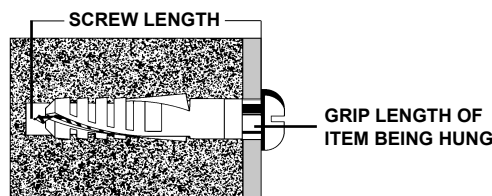
SIZE	PART
#6	A 691
#8	A 692
#10	A 693
1/4	A 696
5/16	A 697
3/8	A 698
1/2	A 699

NOTE: See Section 23 for Masonry Drills.

CIC 200™ SUPER HOLD ANCHORS

IDEAL FOR MASONRY APPLICATIONS

- High expansion capacity and pull out strength
- Ribbed construction gives maximum holding power
- Spiral design keeps screw centered while maintaining equal expansion on all sides
- Specially designed wings prevent anchor from spinning or falling out

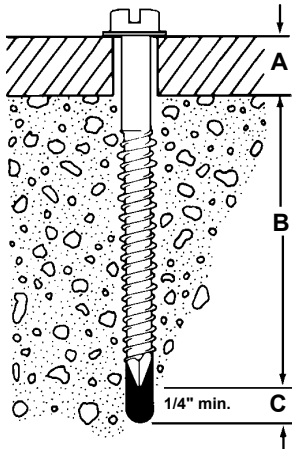


I.D. NO.	SCREW	DRILL	PULLOUT	O.A.L.	SCREW LTH.*	DRILL DEPTH	PART
#4	4-6	3/32	396 LBS.	1	1-1/4	1-1/2	T 88630
#6	6-8	5/32	553 LBS.	1-3/16	1-3/8	1-1/2	T 88629
#7	8-10	1/4	815 LBS.	1-1/4	1-1/2	1-3/4	T 88631
#8	12-14	5/16	904 LBS.	1-1/2	1-3/4	2	T 88632
#10	1/4-5/16	3/8	1,543 LBS.	1-7/8	2	2-1/4	T 88633
#12	5/16-3/8	1/2	2,315 LBS.	2-1/4	2-1/2	2-3/4	R 88634
#15	7/16-1/2	5/8	4,630 LBS.	3	3-1/4	3-1/2	N 88635

*Add thickness of item being hung to screw length for proper holding power.

CIC 200™ CEMENT SCREWS

SELF-TAPPING SCREW TYPE ANCHORS



CIC 200 CEMENT SCREWS WORK FAST AND SECURELY IN ALL TYPES OF MASONRY APPLICATIONS.

- FAST – INSTALL 2 TO 3 FASTENERS PER MINUTE, JUST DRILL, THEN DRIVE.
- STRONG – DESIGNED FOR ULTIMATE PULLOUT STRENGTH.
- SAFE AND EASY – NO DANGEROUS EQUIPMENT NEEDED FOR INSTALLATION. SPECIAL HIGH, SHARP THREAD CUTS DEEP AND EASILY WHILE LOW THREAD PROVIDES STABILITY FOR ACCURATE DRIVING.
- REMOVABLE – REPAIRS AND ADJUSTMENTS OF INSTALLED COMPONENTS ARE MADE EASY BECAUSE OUR FASTENER CAN BE REMOVED AND RE-INSERTED IN THE SAME HOLE.

A = FIXTURE BEING ATTACHED

B = CIC 200 CEMENT SCREW EMBEDMENT

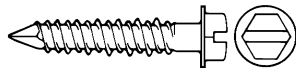
(Minimum of 1", Maximum of 1-3/4" is recommended)

A + B = LENGTH OF CIC 200 CEMENT SCREW TO BE USED

B + C = DEPTH OF DRILLED HOLE

(Must be at least 1/4" deeper than CIC 200 Cement Screw embedment)

SLOTTED HEX WASHER



LENGTH		3/16		1/4
1-1/4	T	9050	T	9057
1-3/4	T	9051	T	9058
2-1/4	R	9052	R	9059
2-3/4	R	9053	R	9060
3-1/4	N	9054	N	9061
3-3/4	N	9055	N	9062
4	N	9056	N	9063

PHILLIPS FLAT HEAD



LENGTH		3/16		1/4
1-1/4	T	9064	T	9071
1-3/4	T	9065	T	9072
2-1/4	T	9066	R	9073
2-3/4	R	9067	R	9074
3-1/4	N	9068	N	9075
3-3/4	N	9069	N	9076
4	N	9070	N	9077

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CIC 200™ CEMENT SCREW INSTALLATION KIT

DESCRIPTION

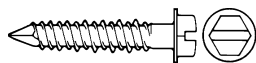
8 PIECE SET CONTAINS:
1/4 hex socket, 5/16 hex socket,
phillips adapter,
#2 and #3 phillips bits,
drill sleeve, drill adapter and 1/8" hex key

PART

A 9098

CIC 200™ MASONRY DRILLS – CARBIDE TIP

- FOR USE WITH CEMENT SCREWS ON BRICK, CEMENT & CINDER BLOCK



SIZE	USE WITH CEMENT SCREW PART #'S	PART	SIZE	USE WITH CEMENT SCREW PART #'S	PART
5/32 x 3-1/2	9050, 9051, 9064, 9065	A 9086	3/16 x 3-1/2	9057, 9058, 9071, 9072	A 9083
5/32 x 4-1/2	9052, 9053, 9066, 9067	A 9088	3/16 x 4-1/2	9059, 9060, 9073, 9074	A 9084
5/32 x 5-1/2	9054, 9055, 9056, 9068, 9069, 9070	A 9090	3/16 x 5-1/2	9061, 9062, 9063, 9075, 9076, 9077	A 9087

CIC 200™ CEMENT BOLT ANCHORS

HEX WASHER HEAD

- HEAT TREATED, HIGH STRENGTH CARBON STEEL
- SERRATIONS UNDER HEAD FOR SUPERIOR HOLDING POWER
- REMOVABLE, REUSABLE AND VIBRATION-RESISTANT
- LAYOUT OR HOLE SPOTTING IS ELIMINATED – CAN BE DRILLED AND SET WITH FIXTURE IN PLACE
- WORKS IN MOST BASE MATERIAL – CONCRETE, BLOCK AND BRICK
- BOTH DIAMETER AND LENGTH ARE CLEARLY STAMPED ON HEAD FOR EASY IDENTIFICATION



LENGTH	SCREW & DRILL DIA. 3/16	THREAD LENGTH	SCREW & DRILL DIA. 1/4	THREAD LENGTH	SCREW & DRILL DIA. 3/8	THREAD LENGTH	SCREW 1/2 DRILL 7/16	THREAD LENGTH	SCREW 5/8 DRILL 9/16	THREAD LENGTH	SCREW 3/4 DRILL 11/16	THREAD LENGTH
1-1/4	–	1-1/8	R 9019	1-1/8	–	–	–	–	–	–	–	–
1-3/4	T 9016	1-5/8	R 9020	1-5/8	N 9023	1-1/2	–	–	–	–	–	–
2	–	–	–	–	–	–	I 9027	1-3/4	–	–	–	–
2-1/4	R 9017	2"	N 9021	2"	–	–	–	–	–	–	–	–
2-1/2	–	–	–	–	L 9024	2-1/4	I 9028	2-1/4	–	–	–	–
2-3/4	R 9018	2-1/2"	–	–	–	–	–	–	–	–	–	–
3	–	–	N 9022	2-3/4"	L 9025	2-3/4"	I 9029	2-3/4"	E 9033	2-3/4"	B 9037	2-3/4"
4	–	–	–	–	I 9026	3-3/4"	E 9030	3-3/4"	E 9034	3-3/4"	B 9038	3-3/4"
5	–	–	–	–	–	–	E 9031	3-3/4"	E 9035	3-3/4"	B 9039	3-3/4"
6	–	–	–	–	–	–	E 9032	3-3/4"	B 9036	3-3/4"	B 9040	3-3/4"
8	–	–	–	–	–	–	–	–	–	–	B 9041	3-3/4"

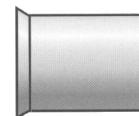
PHILLIPS FLAT HEAD



LENGTH	SCREW & DRILL DIA. 3/16	THREAD LENGTH
1-1/4	T 9042	1"
1-3/4	T 9043	1-1/2"
2-1/4	R 9044	2"
2-3/4	R 9045	2-1/2"

BLOCK PLUG

- INSERT EITHER 1/4" OR 3/8" BLOCK PLUG INTO FIXTURE OR ANCHOR HOLE PRIOR TO INSTALLATION OF WEDGE BOLT ANCHORS INTO HOLLOW CONCRETE BLOCK



1/4		3/8	
T	9048	R	9049

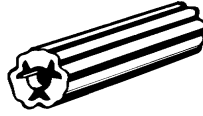
CIC 200™ CEMENT BOLT ANCHORS

ULTIMATE LOAD CAPACITIES IN CONCRETE										
ANCHOR DIAMETER (INCHES)	EMBEDMENT DEPTH (INCHES)	2000 PSI			4000 PSI			6000 PSI		
		MAX. CLAMPING TORQUE (FT. - LBS.)	TENSION (LBS.)	SHEAR (LBS.)	MAX. CLAMPING TORQUE (FT. - LBS.)	TENSION (LBS.)	SHEAR (LBS.)	MAX. CLAMPING TORQUE (FT. - LBS.)	TENSION (LBS.)	SHEAR (LBS.)
3/16	N/A	N/A	N/A	N/A		N/A	N/A		N/A	N/A
	N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A		N/A	N/A		N/A	N/A		N/A	N/A
	N/A		N/A	N/A		N/A	N/A		N/A	N/A
1/4	1	5	736	824		1240	1672		1320	1952
	1-1/2		1488	2064		1888	2152		1984	2152
	2		2240	2224	10	3384	6224	10	3984	2688
	2-1/2		3096	2464		3920	2464		4208	2928
	3		3952	2464		4704	2464		5184	2928
3/8	1-1/2	40	1819	3060		2261	4139		2575	6239
	2		2805	4178		3489	4241		4407	6239
	2-1/2		3791	4343	40	4717	4343	40	6239	6239
	3		5253	5334		6774	5334		8406	6354
	3-1/2		6715	6196		8831	6324		10574	6468
1/2	1-3/4	60	3055	6400		3860	7300		4620	8900
	2		3625	6570		3930	7420		4780	9000
	2-1/2		4770	7420	60	6165	8085	60	7075	9130
	3		5910	7700		8400	8730		9960	9260
	3-1/2		6765	8650		11110	9430		11890	9430
	4		7620	8650		13820	9600		14580	9600
5/8	2-1/2	75	4950	7790		6800	11320		8240	13610
	3		6800	10075		9100	12740		10820	14305
	3-1/2		8650	12360	75	11400	14160	75	13600	15000
	4		10245	13735		13675	15400		15880	15920
	5		13440	16480		18220	17750		20850	17750
3/4	2-1/2	150	4050	10800		6100	14000		8480	17000
	3		5880	12270		9085	15500		11390	18770
	3-1/2		7655	13945	250	12570	19255	250	14345	20795
	4		9430	15620		14800	22820		17300	22820
	5		13500	21825		18705	26780		21525	27500
	6		17570	28030		22610	30550		25750	32180

NOTE: The values listed above are ultimate load capacities in pounds which should be reduced by a minimum safety factor of four or greater to determine the allowable working load.

CIC 200™ SPECIAL ANCHORS

VINYL SCREW ANCHORS



SCREW	COLOR	HOLE SIZE	PART	SCREW	COLOR	HOLE SIZE	PART
2-4 x 1	Yellow	1/8	T 600	14 x 2	Blue	5/16	T 610
4-6 x 1	White	3/16	T 601	14 x 2-1/4	Blue	5/16	T 611
4-6 x 1-1/2	White	3/16	T 599	5/16 x 1-1/2	Orange	3/8	T 612
8 x 1	Red	15/64	T 602	5/16 x 2	Orange	3/8	T 613
8 x 1-1/2	Red	15/64	T 603	5/16 x 2-1/2	Orange	3/8	T 614
10-12 x 1	Green	1/4	T 604	3/8 x 2	Gray	7/16	T 615
10-12 x 1-1/4	Green	1/4	T 605	3/8 x 2-1/2	Gray	7/16	T 616
10-12 x 1-1/2	Green	1/4	T 606	3/8 x 3	Gray	7/16	R 617
10-12 x 2	Green	1/4	T 607	1/2 x 2-1/2	Black	5/8	R 618
14 x 1	Blue	5/16	T 608	1/2 x 3-1/2	Black	5/8	R 619
14 x 1-1/2	Blue	5/16	T 609	-	-	-	-

NYLON DRIVE ANCHORS

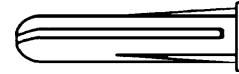


ANCHOR & DRILL SIZE	ROUND HEAD	FLAT HEAD	TRUSS HEAD
3/16 x 1	T 1972	T 2972	-
1/4 x 3/4	-	-	T 677
1/4 x 1	T 1980	T 2980	T 678
1/4 x 1-1/2	T 1982	T 2982	T 679
1/4 x 2	R 1984	R 2984	-

PLASTIC CONICAL ANCHORS

- USE WITH WOOD OR SHEET METAL SCREWS
- FOR LIGHT DUTY FASTENING IN CONCRETE, BRICK, MASONRY OR DRYWALL

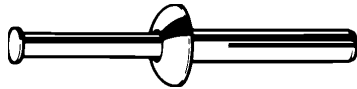
PORT-A-PAK
17867



SCREW SIZE	ANCHOR LENGTH	DRILL SIZE	LOAD (LBS)	COLOR	PART
4-8	3/4	3/16	100-150	Blue	T 5395
6-10	7/8	3/16	175-200	Red	T 5396
10-12	1	1/4	300-400	Blue	T 5397
14-16	1-3/8	5/16	600-800	Red	T 5398

HAMMER DRIVE ANCHORS

- FOR USE IN CONCRETE, BRICK, BLOCK OR STONE
- QUICK, EASY FASTENING IN MEDIUM AND LIGHT DUTY JOBS
- TAMPER-RESISTANT

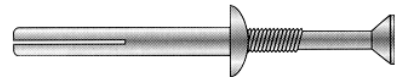


ULTIMATE LOAD VALUES (4000 PSI CONCRETE)			
ANCHOR	EMBEDMENT	TENSION	SHEAR
1/4"	3/4"	1104	1289
	1"	1373	1394
	1-1/4"	1375	1399

ANCHOR & DRILL	PART
3/16 x 7/8	T 5980
1/4 x 3/4	T 5979
1/4 x 1	T 5981
1/4 x 1-1/4	R 5982
1/4 x 1-1/2	R 5983
1/4 x 2	N 5984

HAMMER SCREW ANCHORS

- A UNIQUE ONE-STEP DRIVE ANCHOR WITH A PHILLIPS HEAD SCREW FOR USE IN CONCRETE, BLOCK, BRICK OR STONE
- REMOVABLE
- NO HOLE SPOTTING REQUIRED - CAN BE DRILLED AND SET WITH FIXTURE IN PLACE

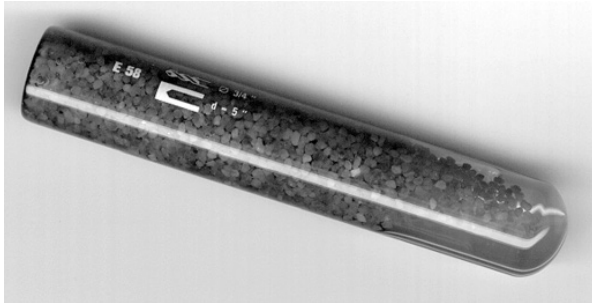


PERFORMANCE DATA (4000 PSI CONCRETE)			
ANCHOR	EMBEDMENT	TENSION	SHEAR
1/4"	5/8"	850	1800
1/4"	3/4"	920	1800
1/4"	7/8"	1190	1800
1/4"	1-1/8"	1350	1800
1/4"	1-3/8"	1540	1800
1/4"	1-7/8"	1600	1800

ANCHOR SIZE	DRILL DIA.	PART
1/4 x 3/4	1/4	R 5987
1/4 x 1	1/4	R 5988
1/4 x 1-1/4	1/4	R 5989
1/4 x 1-1/2	1/4	R 5990
1/4 x 2	1/4	R 5991
1/4 x 2-1/4	1/4	N 5992
1/4 x 3	1/4	R 5993

EPOXY-LOCK™ CHEMICAL ANCHOR CAPSULES

REMARKABLE STRENGTH WITH SUPERB VIBRATION RESISTANCE



- **SUPER STRONG EPOXY RESIN**
PROVIDES SUPERIOR STRENGTH IN THE MOST DIFFICULT APPLICATIONS WITH EXCELLENT RESISTANCE TO MOISTURE AND SHRINKAGE
- **UNIQUE PREMEASURED APPLICATION**
ASSURES CONSISTENCY OF ULTIMATE STRENGTH
- **FAST CURE TIME**
GETS EQUIPMENT UP AND RUNNING QUICKLY
- **MULTI-POSITION USE**
FOR EXCELLENT PERFORMANCE IN HORIZONTAL AND VERTICAL APPLICATIONS (NOT OVERHEAD)
- **USE WITH REGULAR THREADED ROD**

CURE TIME	
68°F +	20 min.
50°F to 68°F	30 min.
14°F to 50°F	1 hour
5°F to 14°F	5 hours

- **APPLICATIONS**
FIXING EQUIPMENT/APPARATUS EXPOSED TO WATER/CHEMICAL ENVIRONMENT, RAILING SUPPORTS, CONVEYOR SYSTEMS, FENCING POSTS, GUARD RAILS, MACHINERY, STADIUM SEATING AND UNDERWATER ANCHORING IN SEWAGE/WATER TREATMENT PLANTS AND HARBOR ENVIRONMENTS

CAPSULE SIZE	DRILL/HOLE DIAMETER	MINIMUM HOLE DEPTH	TENSILE (LBS.) 3000 PSI CONCRETE*	P/N
3/8 (M10)	1/2 (13MM)	3-3/8	3,992	88750
1/2 (M12)	5/8 (16MM)	4-1/2	10,708	88755
5/8 (M16)	3/4 (18MM)	5-5/8	14,308	88760
3/4 (M18)	7/8 (21MM)	6-3/4	21,880	88765
7/8 (M20)	1 (25MM)	7-7/8	27,436	88770
1 (M25)	1-1/4 (29MM)	8-1/4	52,247	88775

*VALUES ARE AVERAGE ULTIMATE LOADS AND ARE OFFERED AS A GUIDE, NOT A GUARANTEE OF PERFORMANCE. USING A SAFETY FACTOR OF 4:1 IS GENERALLY ACCEPTED AS A SAFE WORKING LOAD.

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DROP-IN ANCHORS

DROP-IN ANCHORS

- STEEL ZINC PLATED
- USED IN MEDIUM TO HEAVY DUTY APPLICATIONS SUCH AS CONCRETE AND STONE



SCREW SIZE	HOLE SIZE	PART
1/4	3/8	T 664
3/8	1/2	R 665
1/2	5/8	R 666
5/8	7/8	L 667
3/4	1	I 668

DROP-IN ANCHOR SETTING TOOL



- STEEL ZINC PLATED

SIZE	PART
1/4	A 4664
3/8	A 4665
1/2	A 4666
5/8	A 4667
3/4	A 4668

CIC 200™ HAMMER-LOCK ANCHORS

FAST, EASY AND VIBRATION RESISTANT

The Hammer-Lock Anchor can be installed quickly and easily in concrete, block, brick or stone. The one-piece construction eliminates extra pieces or steps required for installation and provides remarkable holding power. Just drill and set!

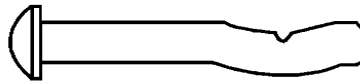
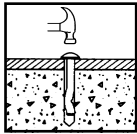
HAMMER-LOCK ANCHORS

- ONE PIECE ANCHOR — FOR FAST AND EASY INSTALLATION
- HIGH VIBRATION RESISTANCE — PREVENTS PREMATURE FAILURE
- NO HOLE SPOTTING REQUIRED — DRILL AND SET WITH FIXTURE IN PLACE
- SEVERAL STYLES — COVERS MANY APPLICATIONS
- QUICK AND EASY INSTALLATION:

1. DRILL

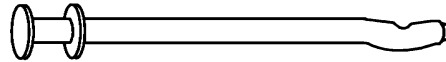


2. HAMMER



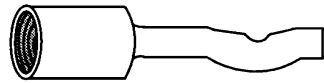
ROUND HEAD

- HEATING VENTILATION AND AIR CONDITIONING INSTALLATIONS
- ATTACHING ELECTRICAL BOXES AND CONDUIT



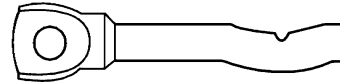
FORMING

- FASTEN FORMS OR BRACKETS



ROD COUPLING

- HANG PIPING
- HANGING CABLE TRAYS



TIE WIRE

- SUSPEND CEILING FRAMEWORK
- HANG LIGHT FIXTURES

ANCHOR TYPE	ANCHOR SIZE	DRILL DIA.	MIN. HOLE DEPTH	PART
ROUND HEAD	3/16 x 1-1/2	3/16	1-1/4	R 88502
ROUND HEAD	3/16 x 2	3/16	1-1/4	R 88503
ROUND HEAD	3/16 x 3	3/16	1-1/4	R 88505
ROUND HEAD	1/4 x 1	1/4	7/8	R 88508
ROUND HEAD	1/4 x 1-1/2	1/4	1-1/4	R 88510
ROUND HEAD	1/4 x 2	1/4	1-1/4	R 88511
ROUND HEAD	1/4 x 3	1/4	1-1/4	R 88513
ROUND HEAD	3/8 x 2	3/8	1-3/4	N 88516
ROUND HEAD	3/8 x 2-1/2	3/8	1-3/4	N 88517
ROUND HEAD	3/8 x 3	3/8	1-3/4	N 88518
ROD COUPLING	1/4-20 x 1-1/4	3/16	1-1/4	R 88549
ROD COUPLING	3/8-16 x 1-1/2	1/4	1-1/2	N 88550
TIE WIRE	3/16 x 1-1/8	3/16	1-1/4	R 88551
TIE WIRE	1/4 x 1-1/8	1/4	1-1/4	R 88552
FORMING	3/16 x 2-3/4	3/16	1-1/4	R 88555
FORMING	1/4 x 2-3/4	1/4	1-1/4	N 88556

LOAD CAPACITY PERFORMANCE DATA

PART	EMBEDMENT DEPTH	3000 PSI		4000 PSI		5000 PSI		CONCRETE BLK	
		TENSILE	SHEAR	TENSILE	SHEAR	TENSILE	SHEAR	TENSILE	SHEAR
88502-88505	1-1/4	975	2250	1180	2425	1450	2600	740	2090
88508	7/8	820	2040	945	2230	1010	2360	440	1650
88510-88513	1-1/4	1100	2500	1550	2750	1700	3200	800	2100
88516-88518	1-3/4	2530	6310	3140	7080	3435	7150	N/A	N/A
88555	1-1/4	975	2250	1180	2425	1450	2600	N/A	N/A
88556	1-1/4	1100	2500	1550	2750	1700	3200	N/A	N/A
88549	1-1/4	1210	975	1405	975	1570	975	N/A	N/A
88550	1-1/2	1840	2180	2180	2180	2520	2180	N/A	N/A
88551	1-1/4	975	950	1050	950	1120	950	N/A	N/A
88552	1-1/2	1075	1310	1150	1310	1230	1310	N/A	N/A

NOTE: The values listed above are ultimate load capacities which should be reduced by minimum safety factor of 4 or greater to determine the allowable working load.

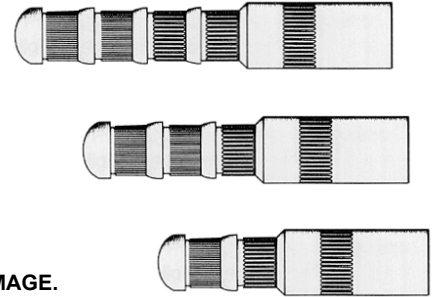
DROP-TITE™ ANCHORS

ULTRA-HIGH PERFORMANCE DROP-IN ANCHORS

The ultimate solution engineered to solve the most difficult concrete anchoring problems.

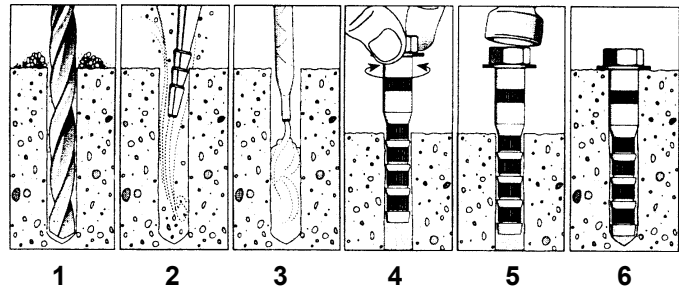


- EXTREMELY HIGH HOLDING VALUES – EPOXY BOND ADHERES TO ENTIRE LENGTH OF ANCHOR BODY, PRODUCING SUPERIOR ULTIMATE STRENGTH.
- INSTANT HOLDING POWER – FIXTURE CAN BE IMMEDIATELY FASTENED WHILE EPOXY CURES.
- EASY TO INSTALL – NO SPECIAL TOOLS OR BITS REQUIRED.
- THROUGH-HOLE INSTALLATION – IDEAL FOR "IN-PLACE" FASTENING APPLICATIONS. NO NEED TO MOVE EQUIPMENT OR FIXTURES TO BE FASTENED.
- SHALLOW EMBEDMENT – PROVIDES EXCELLENT HOLDING VALUE WHILE AVOIDING REBAR AND "DRILL-THRU".
- CLOSE EDGE DISTANCE AND SPACING – EPOXY BOND AND SHALLOW EMBEDMENT MINIMIZE EFFECTS OF "CONE FAILURE".
- VIBRATION RESISTANT – EPOXY BOND WITHSTANDS MORE SEISMIC VIBRATION LOADING THAN MOST STANDARD MECHANICAL ANCHORS.
- NO EXPOSED THREADS – ELIMINATES PROTRUSION SAFETY RISKS AND THREAD DAMAGE.
- USE WITH CIC 150™ CAP SCREWS – 20% GREATER HEAD HEIGHT PROVIDES HIGHER TORQUE.
- USE WITH CIC 150 UNIFIT™ FLAT WASHERS – ELIMINATES CUPPING AND DISHING.
- ACCEPTS STANDARD SET SCREWS – ALLOWING FLUSH FIT AND KEEPS DIRT OUT AND THREADS CLEAN WHEN CAP SCREW IS REMOVED.



INSTALLATION INSTRUCTIONS

1. Drill holes perpendicular to the work surface. To assure full holding power, do not ream the hole or allow the drill to wobble.
2. Clean hole with compressed air and a nylon brush. Dust and debris left in hole will significantly reduce the holding capacity of the anchor.
3. Inject Drop-Tite™ Epoxy (P/N 74534) into hole to approximately half full.
4. Insert Drop-Tite™ Anchor into hole to shoulder with slight twisting motion.
5. Drive anchor home with several sharp hammer blows.
6. Allow epoxy to cure prior to applying maximum load.



APPLICATIONS

• Building/Factory Maintenance

Handrails and guardrails, machinery and equipment installation, electrical and mechanical fixtures, partitions and barriers, conveyors and storage racks, signage, hangers and brackets, dock bumpers

• Transportation Industry

Handrails and guardrails, tactile warning strips, electrical boxes and conduit clips, diamond base plates, reflectors and signals, communications equipment, di-electric track installation

• Construction Industry

Theater and stadium seating, safety railings and equipment, steel erection, ledgers, highways and bridges, sewage treatment

• Utilities and Power Plants

Steel erection, Handrails and guardrails, transformers and electrical equipment, storage tanks

CAP SCREW SIZE	ANCHOR SIZE	DRILL DIA.	HOLE DEPTH	ULTIMATE TENSION (LBS)	PART
1/4	5-16 x 1-9/16	5/16	1-3/4	2,540	I 88560
5/16	7/16 x 2-3/8	7/16	2-3/4	6,250	I 88561
3/8	1/2 x 2-3/4	1/2	3-1/4	9,800	I 88562
1/2	5/8 x 3-5/8	5/8	4-1/8	12,870	E 88563
5/8	7/8 x 5-3/4	7/8	6-1/4	24,596	A 88564

DROP-TITE® ANCHOR SCREENS

FOR ANCHORING AND DOWELING IN HOLLOW BLOCK

CHEMICAL ANCHOR SCREENS

- UNIQUE DESIGN AND CONSTRUCTION OF GALVANIZED STEEL PROVIDES ULTIMATE HOLDING POWER IN ALL HOLLOW BLOCK APPLICATIONS
- USE WITH RED LION DROP-TITE® EPOXY (P/N 74534) AND DROP-TITE® ANCHORS (P/N's 88560-88564)
- GALVANIZED STEEL CONSTRUCTION – FOR STRENGTH AND DURABILITY
- EASY-TO-USE – SIMPLY FILL WITH EPOXY, INSERT INTO HOLE AND INSTALL ANCHOR



DIAMETER	DROP-TITE® ANCHOR SIZE	LENGTH	HOLE DIAMETER		P/N
3/8"	88560	4"	1/2"	E	88570
3/8"	88560	6"	1/2"	E	88571
1/2"	88561	4"	5/8"	E	88572
1/2"	88561	6"	5/8"	E	88573
5/8"	88562	4"	3/4"	E	88574
5/8"	88562	6"	3/4"	E	88575
3/4"	88563	4"	7/8"	E	88576
3/4"	88563	6"	7/8"	E	88577

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SECURITY PICTURE HANGING HARDWARE

FOR ANCHORING AND SECURING

Metal hardware to assemble, hang and securely fasten picture frames, mirrors and other wall hangings.



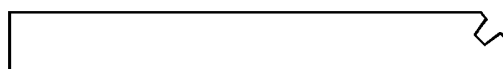
SECURE-T-SCREW



SLIDE-IN MOUNTING BRACKET



SECURITY SLOTTED BRACKET

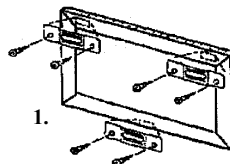


SECURE-T-SCREW WRENCH

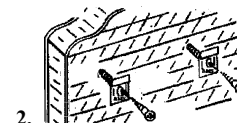


INSTALLATION INSTRUCTIONS:

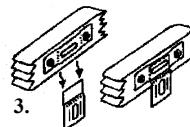
1. FASTEN THREE (3) SECURITY SLOTTED BRACKETS TO THE BACK OF PICTURE FRAME – TWO ON TOP AND ONE ON BOTTOM. SEE DIAGRAM AS SHOWN.
2. FASTEN TWO (2) SLIDE-IN MOUNTING BRACKETS TO WALL MATERIAL. THIS SHOULD COINCIDE WITH THE TWO SECURITY SLOTTED BRACKETS ON THE TOP OF PICTURE FRAME ONLY.
3. POSITION PICTURE FRAME ON MOUNTING BRACKETS DIRECTLY BEHIND SLOTTED BRACKETS AS SHOWN.
4. SCREW ONE SECURE-T-SCREW INTO WALL MATERIAL AT THE LOCATION OF THE BOTTOM SECURITY SLOTTED BRACKET. POSITION SECURE-T-SCREW INTO SECURITY SLOTTED BRACKET AND TWIST THE SECURE-T-SCREW SECURELY WITH WRENCH.



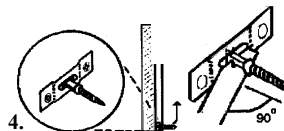
1.



2.



3.



4.

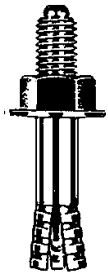
DESCRIPTION		P/N
Secure-T Screw	N	88746
Slide-in Mounting Bracket	R	88747
Security Slotted Bracket	T	88748
Secure-T Screw Wrench	A	88749

HAMMER DRIVE STUD ANCHORS

PIN DRIVE EXPANSION ANCHOR



NOT SET



SET

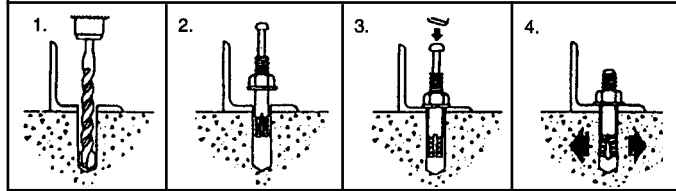
- FAST, EASY SETTING OF ANCHOR, DRILL INSERT AND HAMMER
- NO HOLE SPOTTING – CAN BE DRILLED AND SET WITH FIXTURE IN PLACE
- HIGH PULL-OUT AND SHEAR STRENGTH
- YELLOW DICHROMATE OVER ZINC PLATING FOR SUPERIOR CORROSION RESISTANCE
- NUTS AND WASHERS INCLUDED

APPLICATIONS:

- OUTLET BOXES
- STADIUM SEATS
- STEEL AND WOOD PLATES
- MACHINE ANCHORING
- WATER AND GAS METERS
- MAIL BOXES
- CASH MACHINES
- CONVEYOR BELT MOUNTS
- BRACING
- SHELVING
- HAND AND GUARD RAILS
- GRAIN AND STORAGE BINS
- LIGHT FIXTURES
- STEEL BUILDINGS

INSTALLATION PROCEDURE

1. Drill hole of sufficient depth using same diameter drill bit as anchor being installed.
2. Turn nut on anchor as required. May be flush with top or turned on fully to provide stud finish.
3. With nut, washer and set-pin in place, insert anchor into hole.
4. Using a proper sized hammer, set pin with several sharp and square strikes on head of pin until pin is flush with top of anchor. Anchor is now properly set.
5. No need to torque nut to set anchor.



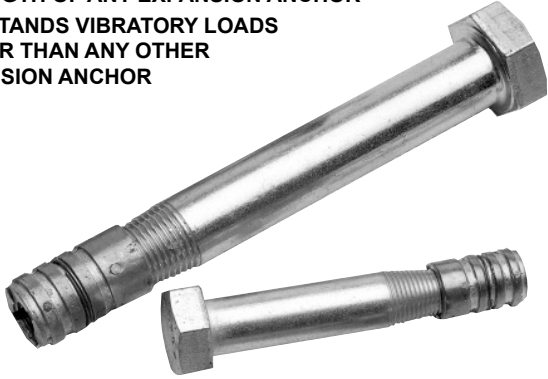
DIAMETER	2000 PSI CONCRETE			4000 PSI CONCRETE	
	TENSION IN FT. LBS.		SHEAR	TENSION IN FT. LBS.	
	MIN. EMBED.	MAX. EMBED.	MIN. EMBED.	MIN. EMBED.	MAX. EMBED.
1/4"	(1") 900	(1-1/2") 1000	(1") 1600	(1") 1300	(1-1/2") 1400
5/16"	(1-1/4") 1400	(1-7/8") 1500	(1-1/4") 3000	(1-1/4") 2100	(1-7/8") 2400
3/8"	(1-1/2") 2200	(2-1/4") 2800	(1-1/2") 3400	(1-1/2") 3200	(2-1/4") 3700
1/2"	(2") 3600	(3") 4200	(2") 7200	(2") 5600	(3") 5700
5/8"	(2-1/2") 5400	(3-3/4") 6600	(2-1/2") 9200	(2-1/2") 7500	(3-3/4") 10,400
3/4"	(3") 7500	(4-1/2") 9900	(3") 13,500	(3") 9500	(4-1/2") 13,400

ANCHOR SIZE DIA. x LENGTH	THREAD LENGTH (INCHES)	MINIMUM EMBEDMENT	DRILL SIZE	P/N
1/4 x 1-3/4	5/8	1	1/4	L 88480
1/4 x 2-3/8	3/4	1	1/4	L 88481
5/16 x 2"	5/8	1-1/8	5/16	L 88483
5/16 x 2-3/4	1	1-1/8	5/16	L 88484
5/16 x 4"	1-1/4	1-1/8	5/16	I 88485
3/8 x 2-3/8	1	1-1/4	3/8	I 88486
3/8 x 3-1/2	1-1/8	1-1/4	3/8	I 88487
3/8 x 5"	2	1-1/4	3/8	I 88488
1/2 x 2-3/4	1	1-1/2	1/2	I 88489
1/2 x 3-1/2	1-1/8	1-1/2	1/2	I 88490
1/2 x 4-3/4	2	1-1/2	1/2	E 88491
1/2 x 6"	2	1-1/2	1/2	E 88492
5/8 x 4"	1-5/8	1-3/4	5/8	B 88493
5/8 x 4-3/4	2	1-3/4	5/8	B 88494
5/8 x 6"	2	1-3/4	5/8	B 88495
3/4 x 5"	2	2	3/4	B 88496
3/4 x 6"	2	2	3/4	B 88497

TAPER BOLT ANCHORS

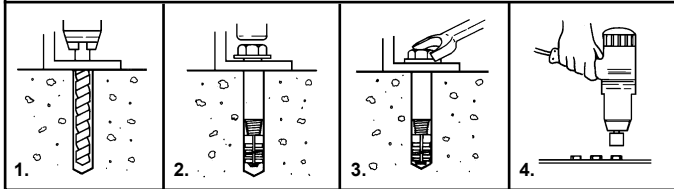
HIGHEST TENSILE AND SHEAR STRENGTH OF ANY EXPANSION ANCHOR

- GRADE 5, ZINC PLATED TAPER BOLT – FOR STRENGTH, DURABILITY AND CORROSION RESISTANCE
- REQUIRED HOLE DIAMETER EQUALS ANCHOR DIAMETER – NO REPOSITIONING OF EQUIPMENT REQUIRED
- UNDERSIZE/OVERSIZE HOLES CAN BE ACCOMMODATED BY TURNING THE PRE-EXPANDED NUT A FEW TIMES
- EQUIPMENT MAY BE REMOVED AND REPLACED – THE BOLT IS SIMPLY RE-INSERTED AND TORQUED TO OBTAIN ORIGINAL HOLDING POWER (THE NUT STAYS IN THE HOLE)
- BOLT CAN BE REMOVED AND RE-USED WITH A NEW NUT
- THE HIGHEST TENSILE STRENGTH AND SHEAR STRENGTH OF ANY EXPANSION ANCHOR
- WITHSTANDS VIBRATORY LOADS BETTER THAN ANY OTHER EXPANSION ANCHOR



INSTALLATION PROCEDURE

1. Drill hole the same diameter as the Taper Bolt, using fixture as a template.
2. Drive Taper Bolt into place leaving recommended head clearance. If hole is oversized, simply remove and pre-expand the expander nut to fit hole.
3. Tighten Taper Bolt to recommended torque.
4. For larger projects, set Taper Bolt with an impact wrench. This method offers speed, consistency and greater installer productivity.



ANCHOR DIAMETER AND LENGTH	HOLE DIAMETER	MINIMUM EMBEDMENT	REQUIRED TORQUE TO SET (FT. LBS.)	REQUIRED HEAD CLEARANCE	ULTIMATE TENSILE & SHEAR LOADS IN LBS. CONCRETE STRENGTH (P.S.I.)				PART	
					3000 PSI		5000 PSI			
					TENSION	SHEAR	TENSION	SHEAR		
3/8 x 2-1/4	3/8"	1-7/8"	40	3/16"	4,030	7,177	4,987	8,567	I	77680
3/8 x 2-5/8									I	77681
3/8 x 3									I	77682
3/8 x 4									I	77683
3/8 Nut only									I	77680N
1/2 x 2-7/8	1/2"	2-3/8"	90	1/4"	8,165	12,177	9,346	15,217	E	77684
1/2 x 4									E	77685
1/2 x 5									B	77686
1/2 Nut only									I	77684N
5/8 x 3-1/2	5/8"	2-5/8"	125	5/16"	9,990	17,030	10,470	17,257	B	77687
5/8 x 4-1/2									B	77688
5/8 x 6									B	77689
5/8 x 7									B	77690
5/8 Nut only									E	77687N
3/4 x 4-1/8	3/4"	3-3/8"	250	7/16"	11,906	27,916	17,073	28,110	B	77691
3/4 x 5-1/2									B	77692
3/4 x 7									B	77693
3/4 x 8									B	77694
3/4 Nut only									E	77691N
1 x 5-5/8	1"	4-5/8"	550	5/8"	28,263	36,257	30,817	38,487	A	77695
1 x 7-1/4									A	77696
1" Nut only									B	77695N

SUSPEND-IT™ ANCHORS

A FAST, SAFE AND USER-FRIENDLY WAY TO HANG ROD OVERHEAD

- ONE-PIECE, ALL STEEL THREADED FASTENING SYSTEM FOR SUSPENDING STEEL THREADED ROD VERTICALLY OVERHEAD IN PIPE HANGING, FIRE PROTECTION, ELECTRICAL AND CABLE-TRAY APPLICATIONS
- CAN BE INSTALLED IN A VARIETY OF BASE MATERIALS INCLUDING STEEL, WOOD AND CONCRETE
- SIMPLE INSTALLATION REDUCES COSTS AND IMPROVES EFFICIENCY
- FOR METALS AND WOOD BASE MATERIALS
- TWO HEAD CONFIGURATIONS ARE OFFERED FOR VERTICAL OR SIDE MOUNTING

APPLICATIONS:

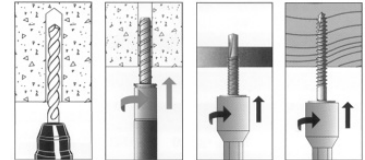
- PIPE HANGING • CABLE TRAYS • HVAC DUCT
- OVERHEAD UTILITIES • CONDUIT • ELECTRICAL
- LIGHTING SYSTEMS • SPRINKLER SYSTEMS
- EYE ROD • STRUT CHANNELS • DROP CEILINGS
- REFRIGERATION

INSTALLATION PROCEDURE

Eye protection should be worn when installing.

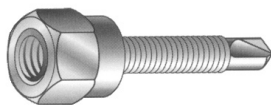


1. If pre-drilling is required (certain types of wood and all concrete), select the recommended drill bit type and diameter.
2. Drill to the appropriate embed depth, adding at least one diameter (1/4" to 1/2") to the drilling depth to prevent the tip of the fastener from running into a dead end at the rear of the anchor hole.
3. Select the appropriate socket driver for the anchor size and type to be installed and mount into chuck of installation tool.
4. Insert Suspend-it fastener into the socket driver, and install perpendicular to the base material surface.
5. In "rotation only" mode, drive the fastener with a smooth steady motion until the coupling is firmly seated against the surface of the base material.
6. Thread the appropriate diameter steel threaded rod or threaded bolt into the coupling. The threaded rod or bolt should fully engage the thread length of the coupling on a vertical mount fastener. The threaded rod or threaded portion of the bolt can pass through coupling of a side mount fastener.



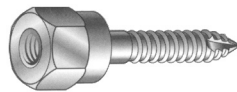
ULTIMATE LOAD CAPACITIES:																
STEEL TENSION				STEEL SHEAR		WOOD				CONCRETE						
ROD SIZE	MOUNT DIRECTION	SCREW SIZE	20 GA STEEL (0.036") (LBS)	20 GA STEEL (0.036") (LBS)	ROD SIZE	SCREW SIZE	EMBED DEPTH	TENSION (LBS)	SHEAR (LBS)	ROD SIZE	SHANK SIZE	DRILL BIT DIA.	EMBED DEPTH	2,000 PSI TENSION/SHEAR	4,000 PSI TENSION/SHEAR	6,000 PSI TENSION/SHEAR
1/4	VERTICAL	1/4-20 x 1"	1,550	1,965	1/4 V	1/4 x 2"	2	685	1,045	1/4	1/4 x 1-1/4	1/4	1-1/4	1,390/1,810	1,950/2,440	2,070/2,570
3/8	VERTICAL	1/4-20 x 1"	1,550	1,965	3/8 V	1/4 x 2"	2	1,800	1,815							
3/8	VERTICAL	1/4-20 x 1-1/2	450	2,400	3/8 V	1/4 x 3"	3	2,075	2,255	3/8	1/4 x 1-1/2	1/4	1-1/2	1,760/2,580	2,595/2,640	2,770/2,700
1/2	VERTICAL	1/4-20 x 1-1/2	-	2,400	3/8 V	1/4 x 4"	4	2,195	2,255							
1/4	SIDE	1/4-20 x 2"	1,550	1,965	1/4 S	1/4 x 1"	1	685	1,045	1/2	3/8 x 2-3/4	3/8	2-3/4	5,320/5,250	6,050/6,330	8,620/7,410
3/8	SIDE	1/4-20 x 1-1/2	450	2,400	3/8 S	1/4" x 2"	2	1,800	1,815							

METAL VERTICAL SUSPEND-IT



SIZE	ROD	P/N
1/4-20 x 1"	1/4	N 9500
1/4-20 x 2"	3/8	N 9501
1/4-20 x 1-1/2	3/8	L 9502
12-20 x 1-1/2	1/2	L 9503

WOOD VERTICAL SUSPEND-IT



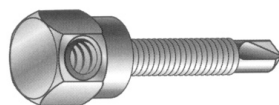
SIZE	ROD	P/N
1/4 x 2"	1/4	N 9504
1/4 x 2"	3/8	N 9505
1/4 x 3"	3/8	L 9506
1/4 x 4"	3/8	L 9507
3/8 x 2-1/2	3/8	L 9508
3/8 x 2-1/2	1/2	I 9509

CONCRETE VERTICAL SUSPEND-IT



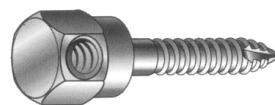
SIZE	ROD	P/N
1/4 x 1-1/4	1/4	N 9510
1/4 x 1-1/2	3/8	L 9511
3/8 x 2-3/4	1/2	I 9512

METAL SIDE SUSPEND-IT



SIZE	ROD	P/N
1/4-20 x 1"	1/4	L 9513
1/4-20 x 1"	3/8	L 9514
1/4-20 x 1-1/2	3/8	L 9515

WOOD SIDE SUSPEND-IT



SIZE	ROD	P/N
1/4 x 1"	1/4	L 9516
1/4 x 2"	3/8	L 9517
3/8 x 2-1/2	3/8	I 9518

SOCKET DRIVERS



SIZE	COLOR	P/N
Universal*	Red	A 9519
1/4 Concrete	Blue	A 9520
3/8 Concrete	Blue	A 9521
1/2 Concrete	Blue	A 9522

*Universal fits all metal and wood suspend-its.

TURBO-DRIVE™ ANCHORS

SCREW AND ANCHOR IN ONE!

- THIS ALL STEEL ANCHOR INSTALLS IN WALLBOARD, PLYWOOD, CONCRETE, HOLLOW OR GROUT FILLED BLOCK, BRICK OR PLASTER
- NO SECOND STEP, INSTALLS DIRECTLY THROUGH FIXTURE INTO WALLBOARD
- PATENTED DESIGN PROVIDES FOR SMOOTH ENTRY, CLEAN CUTTING AND A POWERFUL HOLD
- THREAD DESIGN PREVENTS SPINNING AND STRIPPING
- HEAT TREATED POINT PENETRATES METAL AND WOOD STUDS
- LEAVES A MUCH SMALLER HOLE THAN TOGGLES OR OTHER SYSTEM WHEN REMOVED
- SELF-DRILLS OWN SMALL HOLE IN WALLBOARD
- INSTALLS QUICKLY AND EASILY WITH A PHILLIPS SCREWDRIVER
- CAN BE EASILY BACKED-OUT
- NO NEED FOR SHIELDS
- NO HOLE SPOTTING



INSTALLATION PROCEDURE

For fastening into wallboard or wood, no pre-drilling is required. The anchor is inserted through the fixture and screwed in with an ordinary phillips screwdriver.
For fastening into concrete, hollow or grout filled block, brick or plaster requires a 3/16" pre-drilled hole with a carbide drill bit.

DESCRIPTION	PART
3/16 x 1-1/4 Chrome Pan Head	T 88656
3/16 x 1-1/4 White Pan Head	T 88657
3/16 x 1-1/4 Chrome Oval Head	T 88658
3/16 x 1-1/4 White Oval Head	T 88659

WALLBOARD AND PLYWOOD							NORMAL WEIGHT CONCRETE			
ANCHOR DIAMETER INCHES (mm)	1/2" WALLBOARD		5/8" WALLBOARD		1/2" PLYWOOD		ANCHOR DIAMETER INCHES (mm)	EMBEDMENT DEPTH INCHES (mm)	MINIMUM CONCRETE COMPRES. STRENGTH	
	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)			TENSION LBS. (kN)	SHEAR LBS. (kN)
1/4 (6.4)	85 (0.4)	245 (1.1)	135 (0.6)	360 (1.6)	255 (1.1)	600 (2.7)	1/4 (6.4)	3/4 (19.1)	350 (1.6)	1,030 (4.6)
								1 (25.4)	700 (3.2)	1,070 (4.8)

GROUT FILLED AND HOLLOW CONCRETE MASONRY AND STRUCTURAL BRICK MASONRY									
ANCHOR DIAMETER INCHES (mm)	EMBEDMENT DEPTH INCHES (mm)	ANCHOR LOCATION	GROUT FILLED CMU ASTM C-90 BLOCK		HOLLOW CMU ASTM C-90 BLOCK		STRUCTURAL BRICK MASONRY FM > 1500 psi (10.3 MPa)		
			TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	TENSION LBS. (kN)	SHEAR LBS. (kN)	
1/4 (6.4)	3/4 (19.1)	Center of Masonry Unit	-	-	-	-	400 (1.8)	650 (2.9)	
	3/4 (19.1)	T-Joint	-	-	-	-	350 (1.6)	600 (2.7)	
	1 (25.4)	Center of Masonry Unit	285 (1.3)	825 (3.7)	305 (1.4)	825 (3.7)	600 (2.7)	900 (4.1)	
	1 (25.4)	T-Joint	290 (1.3)	915 (4.1)	290 (1.3)	915 (4.1)	380 (1.7)	825 (3.7)	

CIC 200™ SLEEVE ANKA BOLTS

P/N 17061 - 1/4" to 1/2" - 10 ITEMS / 24 HOLES

HEX NUT ANKA BOLT 1/4" x 1-3/8" P/N 750	HEX NUT ANKA BOLT 1/4" x 2-1/4" P/N 751	HEX NUT ANKA BOLT 5/16" x 1-1/2" P/N 753	HEX NUT ANKA BOLT 5/16" x 2-1/2" P/N 754	HEX NUT ANKA BOLT 3/8" x 1-7/8" P/N 755	HEX NUT ANKA BOLT 3/8" x 3" P/N 756
HEX NUT ANKA BOLT 1/2" x 2-1/4" P/N 757	HEX NUT ANKA BOLT 1/2" x 3" P/N 758	HEX NUT ANKA BOLT 1/2" x 4" P/N 759	HEX NUT ANKA BOLT 1/2" x 6" P/N 760	EXPANSION	EXPANSION
EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION
EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION

24 COMPARTMENT ASSORTMENT BIN & BASE

Convenient and rugged. Made from heavy gauge steel and coated with a durable baked enamel finish.

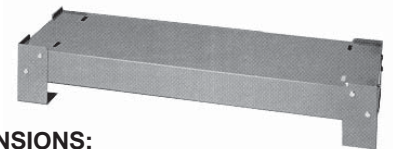


P/N 7901

BIN DIMENSIONS:
33-3/4" W x 12" D x 23-7/8" H

COMPARTMENT SIZE:
5-3/8" W x 11-7/8" D x 5-1/2" H

USE BASE: P/N 7909



P/N 7909

BASE DIMENSIONS:
34" W x 12" D x 5-3/4" H

CIC 200™ SLEEVE ANKA BOLTS

P/N 17062 - 1/4" to 3/4" - 16 ITEMS / 24 HOLES

HEX NUT ANKA BOLT 1/4" x 1-3/8" P/N 750	HEX NUT ANKA BOLT 1/4" x 2-1/4" P/N 751	HEX NUT ANKA BOLT 5/16" x 1-1/2" P/N 753	HEX NUT ANKA BOLT 5/16" x 2-1/2" P/N 754	HEX NUT ANKA BOLT 3/8" x 1-7/8" P/N 755	HEX NUT ANKA BOLT 3/8" x 3" P/N 756
HEX NUT ANKA BOLT 1/2" x 2-1/4" P/N 757	HEX NUT ANKA BOLT 1/2" x 3" P/N 758	HEX NUT ANKA BOLT 1/2" x 4" P/N 759	HEX NUT ANKA BOLT 1/2" x 6" P/N 760	HEX NUT ANKA BOLT 5/8" x 2-1/4" P/N 745	HEX NUT ANKA BOLT 5/8" x 4-1/4" P/N 761
HEX NUT ANKA BOLT 5/8" x 6" P/N 762	HEX NUT ANKA BOLT 3/4" x 2-1/2" P/N 763	HEX NUT ANKA BOLT 3/4" x 4-1/2" P/N 764	HEX NUT ANKA BOLT 3/4" x 6-1/4" P/N 765	EXPANSION	EXPANSION
EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION

24 COMPARTMENT ASSORTMENT BIN & BASE

Convenient and rugged. Made from heavy gauge steel and coated with a durable baked enamel finish.

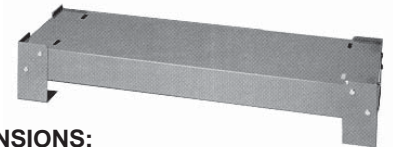


P/N 7901

BIN DIMENSIONS:
33-3/4" W x 12" D x 23-7/8" H

COMPARTMENT SIZE:
5-3/8" W x 11-7/8" D x 5-1/2" H

USE BASE: P/N 7909



P/N 7909

BASE DIMENSIONS:
34" W x 12" D x 5-3/4" H

CIC 200™ SLEEVE ANKA BOLTS

P/N 17063 - 1/4" to 1/2" - 14 ITEMS / 24 HOLES

HEX NUT STUD ANKA 1/4" x 1-3/4" P/N 77601	HEX NUT STUD ANKA 1/4" x 2-1/4" P/N 77602	HEX NUT STUD ANKA 1/4" x 3-1/4" P/N 77603	HEX NUT STUD ANKA 5/16" x 2" P/N 77609	HEX NUT STUD ANKA 5/16" x 2-3/4" P/N 77612	HEX NUT STUD ANKA 5/16" x 3-1/2" P/N 77613
HEX NUT STUD ANKA 5/16" x 5" P/N 77614	HEX NUT STUD ANKA 3/8" x 2-3/4" P/N 77606	HEX NUT STUD ANKA 3/8" x 3-3/4" P/N 77607	HEX NUT STUD ANKA 3/8" x 5" P/N 77608	HEX NUT STUD ANKA 1/2" x 2-3/4" P/N 77600	HEX NUT STUD ANKA 1/2" x 3-3/4" P/N 77605
HEX NUT STUD ANKA 1/2" x 4-1/2" P/N 77616	HEX NUT STUD ANKA 1/2" x 5-1/2" P/N 77610	EXPANSION	EXPANSION	EXPANSION	EXPANSION
EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION	EXPANSION

24 COMPARTMENT ASSORTMENT BIN & BASE

Convenient and rugged. Made from heavy gauge steel and coated with a durable baked enamel finish.

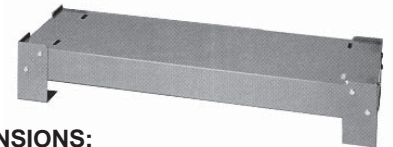


P/N 7901

BIN DIMENSIONS:
33-3/4" W x 12" D x 23-7/8" H

COMPARTMENT SIZE:
5-3/8" W x 11-7/8" D x 5-1/2" H

USE BASE: P/N 7909



P/N 7909

BASE DIMENSIONS:
34" W x 12" D x 5-3/4" H

CIC 200™ SLEEVE ANKA BOLTS

P/N 17064 - 1/4" to 3/4" - 21 ITEMS / 24 HOLES

HEX NUT STUD ANKA 1/4" x 1-3/4" P/N 77601	HEX NUT STUD ANKA 1/4" x 2-1/4" P/N 77602	HEX NUT STUD ANKA 1/4" x 3-1/4" P/N 77603	HEX NUT STUD ANKA 5/16" x 2" P/N 77609	HEX NUT STUD ANKA 5/16" x 2-3/4" P/N 77612	HEX NUT STUD ANKA 5/16" x 3-1/2" P/N 77613
HEX NUT STUD ANKA 5/16" x 5" P/N 77614	HEX NUT STUD ANKA 3/8" x 2-3/4" P/N 77606	HEX NUT STUD ANKA 3/8" x 3-3/4" P/N 77607	HEX NUT STUD ANKA 3/8" x 5" P/N 77608	HEX NUT STUD ANKA 1/2" x 2-3/4" P/N 77600	HEX NUT STUD ANKA 1/2" x 3-3/4" P/N 77605
HEX NUT STUD ANKA 1/2" x 4-1/2" P/N 77616	HEX NUT STUD ANKA 1/2" x 5-1/2" P/N 77610	HEX NUT STUD ANKA 5/8" x 3-1/2" P/N 77615	HEX NUT STUD ANKA 5/8" x 4-1/2" P/N 77620	HEX NUT STUD ANKA 5/8" x 5" P/N 77622	HEX NUT STUD ANKA 5/8" x 6" P/N 77625
HEX NUT STUD ANKA 3/4" x 4-1/4" P/N 77630	HEX NUT STUD ANKA 3/4" x 5-1/2" P/N 77635	HEX NUT STUD ANKA 3/4" x 6-1/4" P/N 77637	EXPANSION	EXPANSION	EXPANSION

24 COMPARTMENT ASSORTMENT BIN & BASE

Convenient and rugged. Made from heavy gauge steel and coated with a durable baked enamel finish.

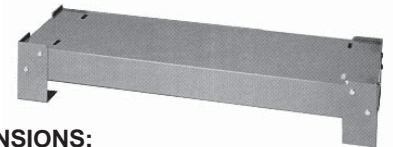


P/N 7901

BIN DIMENSIONS:
33-3/4" W x 12" D x 23-7/8" H

COMPARTMENT SIZE:
5-3/8" W x 11-7/8" D x 5-1/2" H

USE BASE: P/N 7909



P/N 7909

BASE DIMENSIONS:
34" W x 12" D x 5-3/4" H