

8-Way Expanding Anchors Black Asphalt Coated

Form a square when expanded. The pointed corner blades make starting easy. The eight blades, one-piece top plate, deeply embossed for additional strength, expand upon impact into undisturbed earth to form a pyramid shaped square. The 8-way anchor retains its shape under extremely heavy loads due to the support of the eight blades by the base plate. These anchors are coated with a special asphalt paint to protect them against corrosive soil.

Cat. No.	Size (Inches)	Area (Sq.In)	Rod Size (inches)	Anchors Per CTN	Wt.-lbs. Ea.	Ultimate Soil Anchor Holding Strength-Pounds (No Safety Factor Included)				
						* Soil Class				
						3	4	5	6	7
						Soil Test Probe Value				
						500-600 in.-lbs.	400-500 in.-lbs.	300-400 in.-lbs.	200-300 in.-lbs.	100-200 in.-lbs.
88135EX	8	135	5/8-3/4	6	9.5	26,500	22,000	18,500	15,000	10,000
10200EX	10	200	1	4	19	31,000	26,500	21,000	16,500	12,000
12300EX	12	300	1	2	33	40,000	34,000	26,500	21,500	16,000
1025834EX	10	200	5/8-3/4	4	19.25	31,000	26,500	21,000	16,500	12,000
123114EX	12	300	1-1/4	2	33	40,000	34,000	26,500	21,500	16,000

* These numbers indicate type of soil: 3. Compacted clay and gravel mixed, shale, broken rock, hardpan. 4. Compacted sand, claypan, compacted gravel. 5. Loose sand, gravel and clay, compacted coarse sand. 6. Clay loam, damp clay, compacted sand fines, loose coarse sand. 7. Silt loam, loose sand fines, wet clay, miscellaneous.



88135EX



Anchors

CROSS-PLATES AND SQUARE

Cross-Plate Anchor Black Asphalt Coated

Cross-Plate anchors are formed from structural steel are ribbed for extra strength and reinforcement. Plate edges are flanged to resist creeping. Plates are welded at right angles for maximum holding ability. Nut retainer is provided to aid installation. These anchors are available with high-grade asphalt coating.



16CPA

Cat. No.	Hole Size (Inches)	Area (Sq.In)	Rod Size (inches)	Anchors Per CTN	Wt.-lbs. / C	Ultimate Soil Anchor Holding Strength-Pounds (No Safety Factor Included)				
						* Soil Class				
						3	4	5	6	7
						Soil Test Probe Value				
						500-600 in.-lbs.	400-500 in.-lbs.	300-400 in.-lbs.	200-300 in.-lbs.	100-200 in.-lbs.
16CPA	16	150	5/8-3/4	6	70	26,500	22,500	18,500	14,500	9,500
20CPA	20	250	5/8-3/4	4	65	34,000	29,000	24,000	19,000	14,000
201CPA	20	250	1	4	65	34,000	29,000	24,000	19,000	14,000
2434CPA	24	400	5/8-3/4	1	33	45,000	37,000	30,000	23,500	18,000
24CPA	24	400	1	1	33	45,000	37,000	30,000	23,500	18,000
241CPA	24	400	1-1/4	1	33	45,000	37,000	30,000	23,500	18,000

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Square Anchors

Hot dip Galvanized
Painted available upon request Gray or black
add suffix P
Nut retainer welded to bottom plate to provide
means of anchor rod recovery.



250SAP

Cat. No.	Dimension (inches)	Area sq.in	Anchor rod diameter (inches)	Std.Pkg.	Wt.-lbs./C
250SAP	16-1/4 x 16-1/4	250	5/8-3/4	1	1100
250SAP1	16-1/4 x 16-1/4	250	3/4 x 1	1	1100
400SAP	20 x 20	400	3/4 x 1	1	2650
400SAP2 (TAB)	20 x 20	400	3/4 x 1	1	2650
400SAP3	20 x 20	400	1 to 1-1/4	1	2650



Screw Anchors (Wrenchless)

Hot dip Galvanized.

Rod and plate are one unit.

Installed by inserting a 1" rod into eye and turning the anchor manually.

Cat. No.	Diameter plate	Holding Strength	Diameter Rod	Holding Strength Dry Clay – lbs.	Std. Pkg.	Wt.-lbs./C
634SA	6"	6500 #	3/4	5500	2	1050
810SA	8"	8000 #	1	8000	1	1900



634SA

Anchor Rods

Threaded anchor rods for all types of anchors.

Single thimble (AST); Double thimble (ADT);

C.S.A. Specification No. C-83 No. R1, R2, R3 and R14.

Cat.No.		Length	Diameter	Std.Pkg.	Wt. lbs./ C
Single	Double				
658AST	658ADT	6'	5/8	5	750
758AST	758ADT	7'	5/8	5	830
	858ADT	8'	5/8	5	930
	634ADT	6'	3/4	5	1010
	734ADT	7'	3/4	5	1160
	834ADT	8'	3/4	5	1320

Minimum breaking strength at thread root:

5/8" diameter - 15, 000 lbs.

3/4" diameter - 23, 000 lbs.

All anchor rods supplied with heavy square nuts.



658ADT



Anchors

ROCK ANCHORS

Rock Anchors

For solid rock or in stone or concrete walls. Made from 1" round steel, with drop forged eye, flattened at the top.

C.S.A. Standard Drawing No. A-2

Cat.No.	Size	Std.Pkg.	Wt.-lbs./ C
121RAW	1" x 12" c/w wedge	10	450
181RAW	1" x 18" c/w wedge	10	600
30W	Wedge only	10	30

Installation of Rock Anchor:

Drill hole in rock; expand bottom end with wedge by pounding top of anchor with sledge hammer. Grout with cement.



Rock Anchor Extension

Hot dip galvanized. Shipped ready to install c/w bolt and nut and double strand eye. Used in conjunction with Rock Anchor, mainly when rock anchor is installed below grade.

Cat.No.	Length	Diameter	Std. Pkg.	Wt.-lbs./ C
334RAE	3'	3/4"	5	700
434RAE	4'	3/4"	5	860
534RAE	5'	3/4"	5	1020

Other sizes available upon request.

