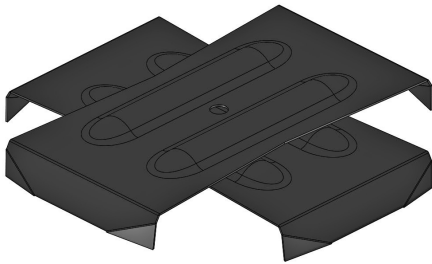


# Utility Anchors — Distribution Anchors

## Pole Key

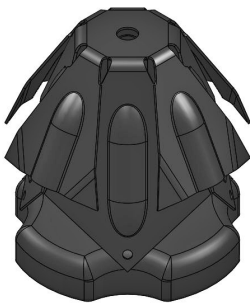
Catalog Number	Width Expanded (in)	Blade Width (in)	Area of Anchor (sq in)	Weight (lbs)
J4817	27.25	7	276	23

## Cross-Plate Anchors



Catalog Number	Installation Hole Diameter (in)	Area of Anchor (in <sup>2</sup> )	Rod Diameter (in)	Weight (lbs)
J3516	16	150	5/8 or 3/4	10
J3520	20	250		1
J3520-1				
J3524-3/4	24	400	5/8 or 3/4	31
J3524			1	31
J3524-1			1-1/4	31

## Expanding (Bust) Anchors



Catalog Number	Installation Hole Diameter (in)	Area of Anchor (in <sup>2</sup> )	Rod Diameter (in)	Weight (lbs)
J0870	6	70	5/8	5
J8115	8	115	5/8 or 3/4	7
J8135				8
J8135-1		135	1	8
J8200-3/4	10	200	5/8 or 3/4	18
J8200-1			1	19
J0283-1	12	300	1-1/4	29
J0283				29

## Crossplate Anchor Load Capacity

### Crossplate Anchor Ultimate Load Capacity Table

Catalog Number	Hole Size (inches)	Area (sq. inches)	Rod Size (inches)	Ultimate Holding Strength (lbs-force) Soil Class 3 *	Ultimate Holding Strength (lbs-force) Soil Class 4 *	Ultimate Holding Strength (lbs-force) Soil Class 5 *	Ultimate Holding Strength (lbs-force) Soil Class 6 *	Ultimate Holding Strength (lbs-force) Soil Class 7
J3516	16	150	5/8 or 3/4	23,000	22,500	18,500	14,500	9,500
J3520	20	250	5/8 or 3/4	23,000	23,000	23,000	19,000	14,000
J3520-1	20	250	1	34,000	29,000	24,000	19,000	14,000
J3524-3/4	24	400	5/8 or 3/4	23,000	23,000	23,000	23,000	18,000
J3524	24	400	1	36,000	36,000	30,000	23,500	18,000
J3524-1	24	400	1-1/4	45,000	37,000	30,000	23,500	18,000

Note: \* Anchor load capacity may be limited by the rod rating. Installing procedures and embedment depth must be followed to assure the anchor load capacity. Order rod separately. Rod ratings are: 5/8" diameter = 16,000 lbs-force, 3/4" diameter = 23,000 lbs-force, 1" diameter = 36,000 lbs, 1-1/4" diameter = 54,000 lbs-force, ultimate, respectively. Must use MPS anchor and rod to assure fit and load capacity.

### Crossplate Anchor Ultimate Load Capacity Table (Metric)

Catalog Number	Hole Size (cm)	Area (sq. cm)	Rod Size (cm)	Ultimate Holding Strength (kilogram-force) Soil Class 3 *	Ultimate Holding Strength (kilogram-force) Soil Class 4 *	Ultimate Holding Strength (kilogram-force) Soil Class 5 *	Ultimate Holding Strength (kilogram-force) Soil Class 6 *	Ultimate Holding Strength (kilogram-force) Soil Class 7
J3516	40.6	968	1.6 or 1.9	10,432	10,206	8,391	6,577	4,309
J3520	50.8	1613	1.6 or 1.9	10,432	10,432	10,432	8,618	6,350
J3520-1	50.8	1613	2.5	15,422	13,154	10,886	8,618	6,350
J3524-3/4	61.0	2581	1.6 or 1.9	10,432	10,432	10,432	10,432	8,164
J3524	61.0	2581	2.5	16,329	16,329	13,607	10,659	8,164
J3524-1	61.0	2581	3.2	20,411	16,782	13,607	10,659	8,164

Note: \* Anchor load capacity may be limited by the rod rating. Installing procedures and embedment depth must be followed to assure the anchor load capacity. Order rod separately. Rod ratings are: 1.6 cm diameter = 7,257 kg-force, 1.9 cm diameter = 10,432 kg-force, 2.5 cm diameter = 16,329 kg-force, 3.2 cm diameter = 24,439 kg-force, ultimate, respectively. Must use MPS anchor and rod to assure fit and load capacity.



## Crossplate Anchor Load Capacity

### Soil Classification Table

Soil Class	Common Soil-Type Description	Geological Soil Classification	Typical Blow Count "N" per ASTM-D1586
0	Sound hard rock, unweathered	Granite, Basalt, Massive Limestone	N.A. ROD = 50-1/2
1	Very dense and/or cemented sands; coarse gravel and cobbles	Caliche, (Nitrate-bearing gravel/rock)	60-100+
2	Dense Fine sand; very hard silts and clays (may be preloaded)	Basal till; boulder clay; caliche; weathered laminated rock	45-60
3	Dense clays, sands and gravel; hard silts and clays	Glacial till; weathered shales, schist, gneiss and siltstone	35-50
4	Medium dense sandy gravel; very stiff to hard silts and clays	Glacial fill; hardpan; marls	24-40
5	Medium dense coarse sand and sandy gravels; stiff to very stiff silts and clays	Saprolites, residual soils	14-25
6	Loose to medium dense fine to coarse sand; firm stiff clays and silts	Dense hydraulic fill; compacted fill; residual soils	7-14
7**	Loose fine sand; Alluvium; loess; soft-firm clays; varied clays; fill	Flood plain soils; lake clays; adobe; gumbo, fill	4-8
8**	Peat, organic silts; inundated silts, fly ash	Miscellaneous fill, swamp marsh	0-5

