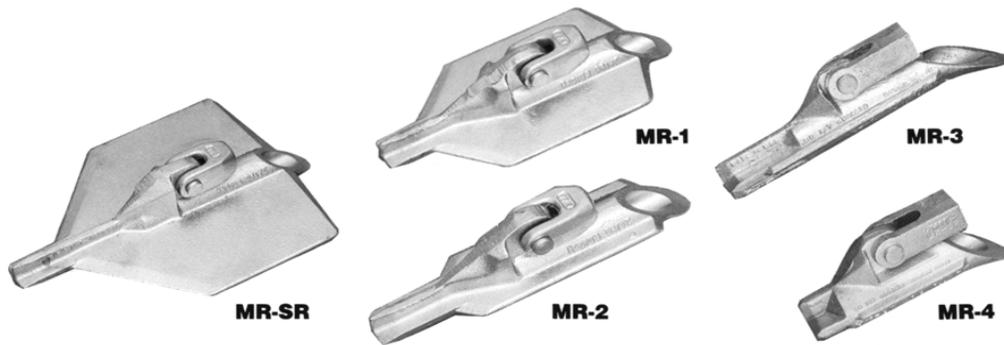




Tooling solutions for the power utility industry.



MANTA RAY ANCHOR SYSTEM

Anchor poles in tight places that would be inaccessible to digger derrick trucks. No digging, no mess, and a gauge measures (tests) the holding power of the anchor before guying off to the pole.

Up to 75% savings in installation costs over other anchor types. Manta Rays are driven into the ground, not screwed into the ground, nor is a hole dug. One man at ground level, using only a jack hammer, drives anchor at any desired angle to any depth. Five anchors with light to super-heavy-duty holding capacities, made of galvanized ductile iron, all can be driven with the Stinger Drive Gad Set, and may be tested to the desired holding capacity with the load locker.



Anchor	Rating Anchors compatible with standard screw anchor rods	Max. Proof Load Nec. (2 to 1 safety factor on screw anchor rod strength)	Weight	Stand. Case and Wt.
MR-SR	Up to 32M for loose or wet soils used with 3/4" and 1" anchor rods	16,000 lbs. - 1" rod 12,000 lbs. - 3/4" rod	21 lbs.	2 / box 45 lbs.
MR-1	Up to 32M for average normal soils used with 3/4" and 1" anchor rods	16,000 lbs. - 1" rod 12,000 lbs. - 3/4" rod	12 lbs.	4 / box 54 lbs.
MR-2*	Up to 32M in hard soil Up to 18M in average soils Dual purpose anchor used with 3/4" and 1" anchor rods	16,000 lbs. - 1" rod 12,000 lbs. - 3/4" rod	10 lbs.	4 / box 43 lbs.
MR-3	Up to 12M for average normal soils used with 5/8" anchor rods	8,000 lbs. - 5/8" rod	7 lbs.	6 / box 36 lbs.
MR-4**	Up to 12M in hard soil Up to 6M in average soils Dual purpose anchor used with 5/8" anchor rods	4,000 lbs. - 5/8" rod	4 lbs.	6 / box 28 lbs.

Anchor holding capacity varies with moisture content of soil.

*MR-2 may be used as a full size anchor in hard soil or a lighter capacity anchor (under 12,000 lbs.) in normal soils.

**MR-4 is designed to withstand the limits of the (12M) anchor rod, but should only be proof loaded to 4,000 lbs. or below.

TO ORDER CALL: 800-966-3530 OR FAX: 215-357-9193