

MACLEAN CIVIL **MANTA RAY®** **ANCHORS**



**MANTA
RAY®** 

THE UNFAIR ADVANTAGE

 **MacLean™**
POWER SYSTEMS

ABOUT MPS

We are "Connecting People for Good" by manufacturing and supplying products for electric utility, civil/construction and communication markets. Our areas of product expertise include: anchors, piles, automatic splices and bolted connectors, silicone rubber non-ceramic insulators for transmission, distribution and substation applications, surge arresters, pole line hardware, aluminum and ductile clamps, fiberglass brackets and guy strains, steel fabrications, bonding and grounding products, and more!



INSTALLATION GUIDE



1. Thread a standard anchor rod into the threaded shackle of the Manta Ray® anchor.



2. Insert drive steel into the anchor. Position and angle.



3. Pull the drive steel out of the ground.



4. The end of the anchor rod should be at ground level. (In looser soils, may be countersunk up to 12" below the surface for greater holding capacity.)



5. The portable power source operates the Load Locker which grips the adapter setting bar and rotates the anchor underground into position. The desired holding capacity is set with the Load Locker gauge.



6. After removing the Load Locker, the eye is threaded to the end of the anchor rod. Now it's ready for guying.

The Manta Ray® Utility Anchor System is used by electric utilities and telcoms worldwide. These anchors are driven into the ground, not augured or torqued; and are driven with light and portable equipment. Each anchor is immediately proof loaded to the exact capacity required. No other system offers this feature. **NO MORE GUESSWORK!**

THE UNFAIR ADVANTAGE



PROOF TESTED

No more guess work, installation and anchor holding capacity are proof tested to ensure accurate holding capacity.



COST SAVING

Manta Ray® Earth Anchors install in the same day, lowering the overall cost of the project!



LABOR SAVING

Manta Ray® Earth Anchors easy installation calls for smaller crew and without return trips.



SIMPLE INSTALLATION

Everything necessary for fast and easy installation of Manta Ray® can be transported in a small pickup truck.



DIFFICULT TERRAIN

From steep slopes to swamps, almost nothing stops Manta Ray® Anchors. These anchors can be driven in most hard soil conditions.



PATENTED DESIGN

Manta Ray® Earth Anchors patented design allow for ease of installation.

MR-SR	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	143 in ²
	ANCHOR RODS:	1" and 3/4"
MR-1	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	71 in ²
	ANCHOR RODS:	1" and 3/4"
MR-2	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	42 in ²
	ANCHOR RODS:	1" and 3/4"
MR-3	ULTIMATE TENSION RATING:	20 KIPS
	SURFACE AREA:	33 in ²
	ANCHOR RODS:	3/4", #6, 5/8"



The MacLean DuckBill® driven anchors are the earth anchoring gold standard. Our patented anchor system provides both labor and time savings. Applications include erosion control, turf reinforcement, tree support, and hunting / trapping anchors.



Scan the QR code or visit
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or scan code for more
product information.



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