

MANTA RAY® ANCHORS

THE MOST TRUSTED NAME IN PERCUSSION DRIVEN EARTH ANCHORS

With their rugged design, chiseled cutting edges, and enhanced surface areas, Manta Ray® Percussion Driven Earth Anchors deliver exceptional holding capacity across diverse soil conditions. The patented Manta Ray® Anchor Systems are available in a wide variety of sizes and combinations to fit the needs of your project. Contact Foundation Technologies and see why more engineers specify Manta Ray® for earth anchor applications than any other brand.



BENEFITS

- » Fast, Easy Installation
- » All Weather Applications
- » Proof Load Testing
- » No Soil Disturbance
- » Lightweight, Portable Equipment
- » Economical to Install
- » Verifiable Capacity
- » Multiple Soil Types
- » Rugged Design
- » Stable Installation Angle

APPLICATIONS

- » Bulkheading
- » Sheet pile Walls
- » Underwater Anchoring
- » Gabion Baskets
- » Retement
- » Foundation Wall Stabilization
- » Erosion Control
- » Ground Mount Solar
- » Block Wall Tiebacks
- » Articulated Block Mats
- » Seawalls
- » Shoring
- » Guy Anchoring
- » Pipeline Anchoring
- » Fabric Structure Anchoring

INSTALLATION METHODS

- » Handheld Jackhammer
- » Skid steer Demolition Hammer
- » Excavator Mounted
- » Mounted Vibro Plate
- » Rock Drills



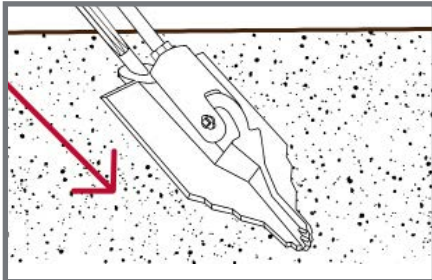
SCAN FOR MORE
INFORMATION OR TO
REQUEST A QUOTE

Manta Ray® Earth Anchors are driven into the ground, not augured or torqued. Installations result in minimal soil disturbance and displacement.

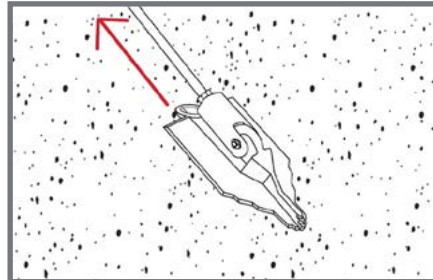
The anchors are driven with conventional hydraulic equipment that is readily available worldwide. Once driven to the proper depth, remove the drive steel and pull up on the anchor rod to rotate the anchor into undisturbed soil, like a toggle bolt in dirt.

This is called “load locking” the anchor using the Manta Ray® Marine Load Locker. The anchor rod is pulled to reach the holding capacity required. Holding capacity is measured by a gauge on the Load Locker. Each anchor is immediately load tested to the exactly capacity required. No more guesswork! Manta Ray® Anchors are available in multiple sizes that have different holding capacities in various types of soil.

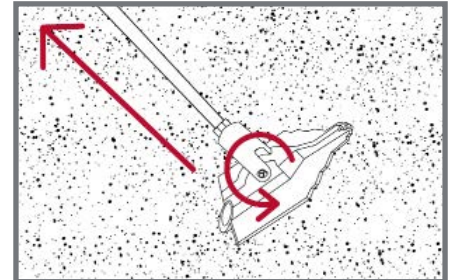
EASY AS 1, 2, 3



DRIVE THE ANCHOR







REMOVE THE DRIVE STEEL



LOAD LOCK THE ANCHOR

THE TOTAL SYSTEM

The complete anchor system consist of the Manta Ray® Anchor, and threaded anchor rod with a top side bearing plate, nut, and washer.

MR-SR 	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	143 in ²
	ANCHOR RODS:	#6, 3/4", 1"
MR-1 	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	71 in ²
	ANCHOR RODS:	#6, 3/4", 1"
MR-2 	ULTIMATE TENSION RATING:	36 KIPS
	SURFACE AREA:	42 in ²
	ANCHOR RODS:	#6, 3/4", 1"
MR-3 	ULTIMATE TENSION RATING:	16 KIPS
	SURFACE AREA:	33 in ²
	ANCHOR RODS:	#6, 3/4"

Additional sizes/combinations available.