

The MSI Experience....



....When Support Counts

MACLEAN SENIOR INDUSTRIES

PRODUCT BULLETIN



Manta Ray® Earth Anchor System

MacLean Senior Industries (MSI) is pleased to introduce the latest addition to our Earth Anchor product offering. The Manta Ray® Earth Anchor System is a "driven, tipping plate" soil anchor that has existed in the Communications Industry for over 30 years. The product was developed, patented, and sold under Foresight Products and recently acquired by MacLean Power Systems.



Features

- Designed to be installed in hard to reach places, not accessible by conventional auger trucks.
- Anchors proof loaded to exact capacity required during installation. No more guess work on holding strength!
- Fast, easy installation using lightweight, portable equipment.

US PATENT D572546

US PATENT #6237289

US PATENT #7534073

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Ordering Information

- Anchor Model is a series designation only.
- When ordering, use the Part Number designation. For example: 20229-UT-II.

MANTA RAY® UTILITY ANCHOR SYSTEMS					
ANCHOR MODEL	PART NO.	DESCRIPTION	ULTIMATE CAPACITY	STANDARD PACK	PACK WEIGHT
MK-B	20031	for saturated/swamp/muskeg soils	40 kips	1	67.5 lbs.
MR-SR-UT-II	20229-UT-II	for loose or wet soils	40 kips	2	39.8 lbs.
MR-1-UT-II	20036-UT-II	for average/normal soils	40 kips	4	47.7 lbs.
MR-2-UT-II	20199-UT-II	for hard soils	40 kips	4	39.2 lbs.
MR-3-UT-II	20210-UT-II	for average/normal soils	20 kips	6	42.4 lbs.
MR-4-UT-II	20221-II	for average/normal soils	18 kips	6	31.1 lbs.
MANTA RAY SG DRIVE STEEL (COMPLETE SETS)					
Sets are 8' total length: include shank, 3 couplers, 2 extensions, 1 drive tip, gad extractor bar, & carrying bag					
SGC-14	50243	For 1-1/4" x 6" chuck hammer/breakers	1 set		59.7 lbs
SGC-18	50244	For 1-1/8" x 6" chuck hammer/breakers			
Piece Parts For Drive Steel					
SG-14	50231	1-1/4" hex x 16" shank, 15-1/2" OAL	1		5.7 lbs.
SG-18	50232	1-1/8" hex x 6" shank, 15-1/2" OAL	1		4.9 lbs.
SG-2	50233	Drive Steel Extension piece -33"	1		11.5 lbs.
SG-3	50236	Radiused drive tip - 30"	1		10.5 lbs.
SG-4	50240	Drive steel coupler piece - Standard	1		2.9 lbs.
SG-4MD	51014	Drive steel coupler piece - Medium Duty	1		3.8 lbs.
SG-X	50242	Drive steel extractor bar	1		8.5 lbs.
GB-1	50084	Drive steel carrying bag	1		1.4 lbs.
ANCHOR LOCKERS					
LL-1	50127	Complete Anchor Locker Assembly Includes: base plate, hydraulic ram, control valve, holding capacity read out gauge, adapter setting bar for SAR style anchor rods, tapered jaws and carrying container. 20,000 lbs.maximum capacity.	1		159.0 lbs
HYDRAULIC POWER PACKS					
HB90-14CE	50364	Hydraulic Anchor Driving Hammer with 1-1/4" x 6" chuck, 90# class	1		88.0 lbs
HC-16-25	50087	25' Hydraulic Hose with HTMA II Coupler - minimum 2 required; use 4 for maximum versatility	1		8.0 lbs
GPU18-8CE	50382	Portable Hydraulic Power Unit 18-horsepower, 5-8 GPM, 2000 PSI, runs HB-90, LL-1, LB-1	1		315.0 lbs