



COMMON APPLICATIONS

- HIGH LATERAL LOADS
- COMMERCIAL
- INDUSTRIAL
- FOUNDATION REPAIR
- NEW CONSTRUCTION
- LIMITED ACCESS/LOW HEADROOM

MACLEAN VORTEX PILE MVP: **STRENGTH, SPEED, AND VERSATILITY** **IN FOUNDATION SOLUTIONS**

Get the most out of your helical piles by adding grout to support higher loads with less steel

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Customer Service: 1.855.MPS.SHIP



Who says you can't have it all? With the MVP, you get the perfect balance of speed, strength, and economy - delivering dependable performance where it matters most.

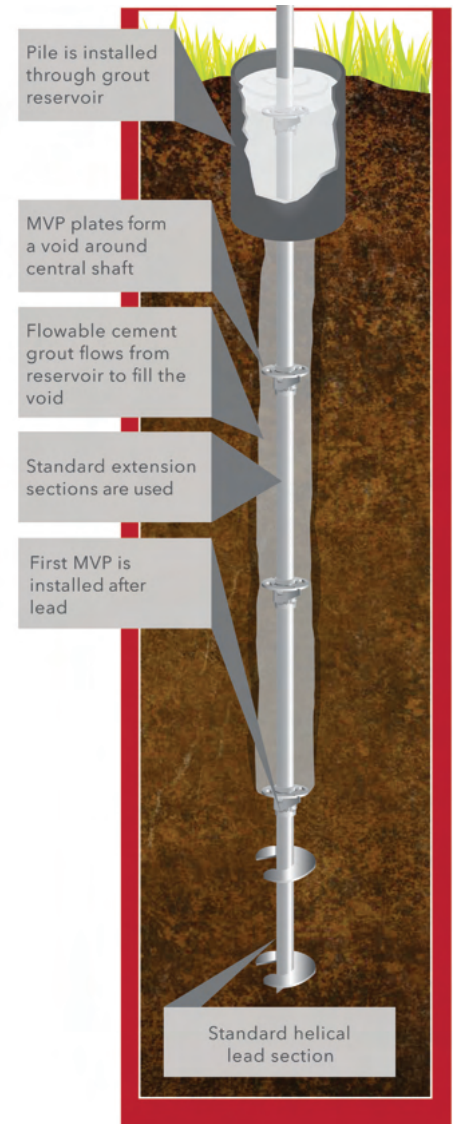
MPS provides grouted helical piles that are engineered for performance, reliability, and ease of installation. Designed for use in a wide variety of soil conditions, the MVP combines the quick, efficient installation of traditional helical piles - made even more efficient with our industry leading Strength Squared™ coupling system - with superior buckling resistance and lateral capacities associated with larger and more expensive piling systems.

THE MVP ADVANTAGE: DESIGN

- Increased buckling and lateral resistance
- Can double your pile's axial capacity using grout-soil skin friction and helical bearing
- Increased buckling resistance in soft/loose soil conditions
- Grout insulates the pile from corrosive/reactive soils increasing its corrosion resistance

THE MVP ADVANTAGE: CONSTRUCTION

- Minimal increase to mobilization cost
- Smaller equipment is able to install higher capacity piles
- No spoils or drill tailings to dispose of
- Uses readily available equipment to install and grout



ULTIMATE LATERAL CAPACITIES (kips)

PILE TYPE	NO GROUT COLUMN		6" GROUT COLUMN		8" GROUT COLUMN		10" GROUT COLUMN		12" GROUT COLUMN	
	CLAY	SAND	CLAY	SAND	CLAY	SAND	CLAY	SAND	CLAY	SAND
D6/7 - 1.5" RCS	0.7	0.4	3.8	3.2	5.5	5.0	-	-	-	-
D10 - 1.75" RCS	0.9	0.6	4.0	3.5	5.7	5.4	7.6	7.2	-	-
D15 - 2" RCS	1.1	0.8	-	-	6.0	5.8	8.0	7.5	9.8	9.1
P28 - 2.875" x 0.203"	2.6	2.5	4.2	3.8	5.6	5.0	-	-	-	-
P28H - 2.875" x 0.276"	2.8	2.6	4.4	4.0	5.9	5.5	-	-	-	-
P35 - 3.5" x 0.216"	3.4	3.2	-	-	6.1	6.0	7.8	7.6	9.6	9.0
P35H - 3.5" x 0.300"	3.7	3.7	-	-	6.5	6.4	8.3	8.2	10.0	9.7
P45 - 4.5" x 0.237"	4.8	4.9	-	-	-	-	8.6	9.2	10.3	11.0
P45H - 4.5" x 0.337"	5.2	5.8	-	-	-	-	9.0	9.9	11.0	12.0

- 21 ft pile length
- 5 ksi grout compressive strength
- Clay - 105 pcf unit weight, 600 psf cohesion
- Sand - 100 pcf unit weight, 29° friction angle
- Fixed head condition
- 0.5" max head deflection

01.

Excavate your grout reservoir and install the lead section as you normally would.



02.

Attach the MVP displacement plate at the square coupling (or below it on square shaft piles)



03.

Keep the grout reservoir filled as you continue the installation. Placing additional MVP displacement piles or washers at each coupling.

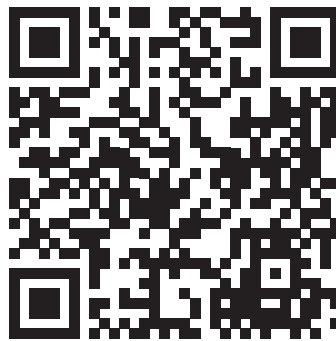


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OTHER MPS CIVIL PRODUCTS***



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Locations near you



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Helical Anchors and Piles

