

D6 Series 1-1/2" High Strength RCS Steel Helical Piles/Anchors

MacLean-Dixie D6 Series 1-1/2 RCS Steel Helical Piles/Anchors for Compression and Tension Applications

Awarded ESR3032 by ICC-ES for AC358 Acceptance Criteria for Helical Foundation Systems and Devices



D6 Series 1-1/2" RCS Helical Pile	
Torque Capacity (ft-lbs)	5,500 ft-lbs (Kt = 10)
Ultimate Mechanical Axial Shaft Capacity	68 KIPS
Ultimate Tension/Compression Geotechnical Capacity (pounds-force)	55 KIPS (27.5 tons)
Shaft Size across the Flats - inches	1-1/2"
Shaft Material	ASTM A576 Grade 10V45
Helix Material	AISI Grade 1011/1018 HSLA 55



ISO9001:2008
Certificate # QSR-938



Building Solid Foundations

11411 Addison Avenue • Franklin Park, IL 60131
T: (847) 455-0014 F: (847) 455-0029 • www.macleandixie.com

D6 Series 1-1/2" High Strength RCS Steel Helical Piles/Anchors

Features and Benefits:

- Used for tension and compression loads
- Used for new foundation construction or repair
- Installed with no vibration
- Available for immediate use --- no concrete or grout to cure
- No spoils
- Forged square socket coupling system – no bolts in shear during installation – no elongated or torn bolt holes and no bent bolts during installation
- Integral socket hot forged with induction heat - no welds
- Improved productivity; bolt holes align for faster assembly – just insert next extension and add bolt. No alignment issues when in tight quarters
- Greater torque capacity for size – best performance value
- Best used in dense soils where higher torque requirements compared to pipe piles
- Can also use as lead with P28 series pipe piles as combo piles
- Helical piles/anchors may be removed
- Contributes to “**Green**” environment
- Available standard hot dip galvanized ASTM A-123 or black (not coated)
- ICC AC358 Acceptance Criteria For Helical Foundation Systems and Devices Tests:
 - Full scale Compression Load Test in sand and clay
 - Full scale Tension Load Test in sand and clay
 - Full scale Lateral Load Test
 - Shaft Torsion
 - Helix Torsion
 - Coupling Rigidity
 - Helix Capacity
 - Bracket Capacity

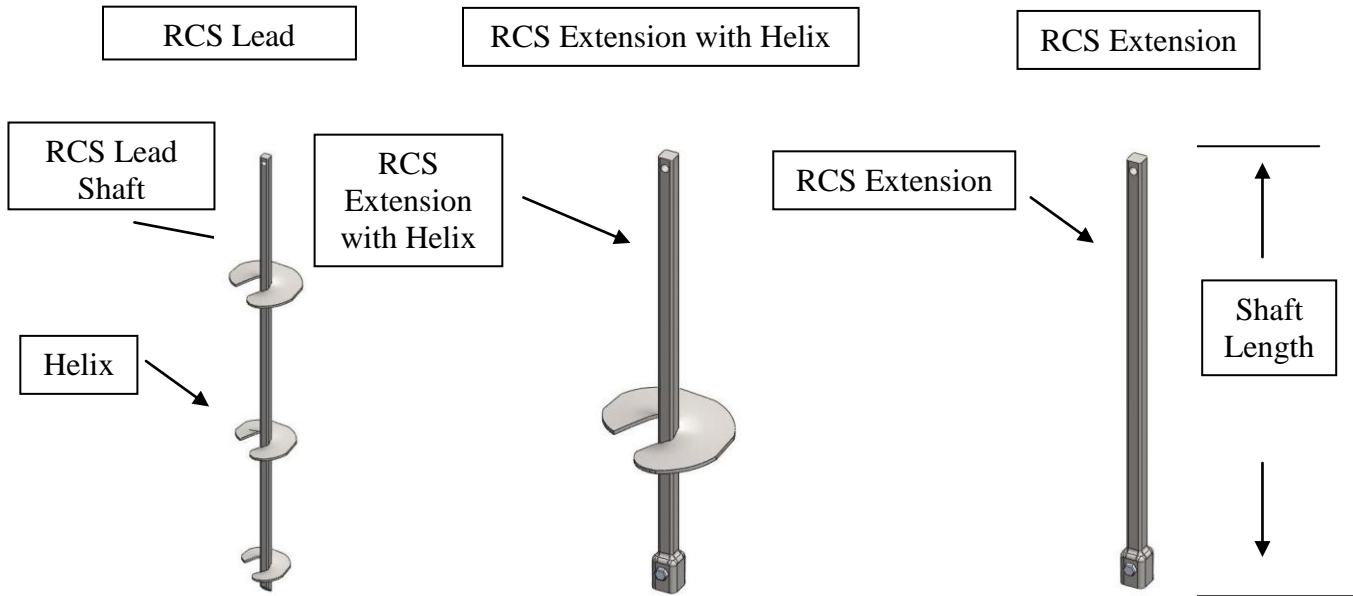


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MacLean-Dixie Helical Piles and Anchors underwent rigorous testing at an IAS accredited lab to ICC AC358 Acceptance Criteria For Helical Foundation Systems and Devices. Ongoing quality control program per AC10 with inspections by an IAS accredited inspection agency per AC98



Full scale field testing-compression/tension/lateral



Measuring Deflection



Helix Strength Test



Torsion Testing



Bracket Testing



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