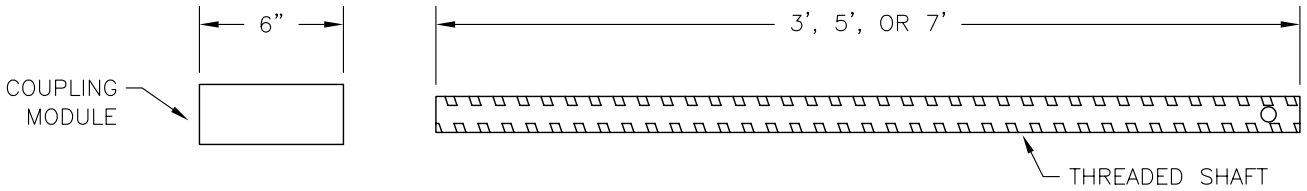
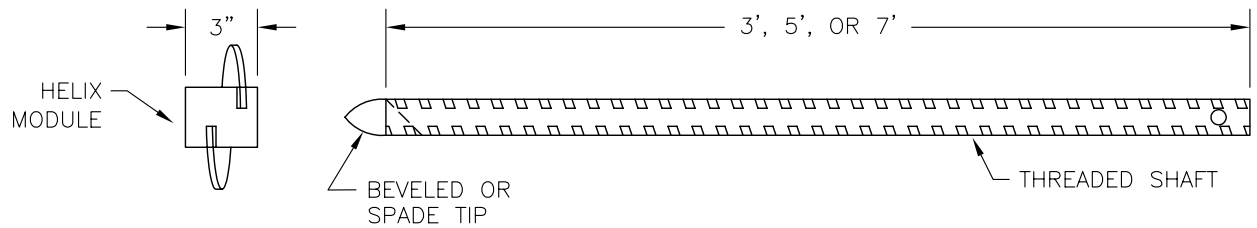


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**HP-15X**




**EXTENSION**  
NO SCALE



**LEAD SECTION**  
**SINGLE OR MULTIPLE HELIX**  
NO SCALE

**NOTES:**

1. ALL SHAFTS PER ASTM A29, Fy=90 KSI, 1.5 INCH SQUARE.
2. ALL HELICES 0.5 INCH THICK AND ARE PER ASTM A656, Gr 80 TYPE 7 (Fy=80 KSI).
3. HELIX MODULES COME IN 8 INCH, 10 INCH, 12 INCH, AND 14 INCH DIAMETER.
4. HELIX MODULES ARE PLACED ALONG THE SHAFT SMALLER TO LARGER FROM THE TIP. EQUAL DIAMETER HELICES MAY BE PLACED CONSECUTIVELY.
5. THE CENTER OF THE FIRST HELIX MODULE IS TYPICALLY LOCATED APPROXIMATELY 4 TO 5 INCHES FROM THE TIP.
6. HELIX MODULES SHALL BE CENTER TO CENTER SPACED ALONG THE SHAFT A MINIMUM OF 3 DIAMETERS OF THE SMALLER HELIX. FOR EXAMPLE, 24 INCHES MINIMUM BETWEEN AN 8 INCH HELIX AND A 10 INCH HELIX.
7. ALL HELIX AND COUPLING MODULES ATTACHED TO THE THREADED SHAFT VIA STEEL KEYS.
8. LOAD TRANSFER MODULES (NOT SHOWN) SCREW TO THE THREADED SHAFT.
9. LOAD TRANSFER MODULES ARE DESIGNED FOR 70 KIP ULTIMATE CAPACITY, TENSION OR COMPRESSION.
7. ULTIMATE CAPACITY OF SHAFT/HELIX/LOAD TRANSFER MODULES IS 70 KIPS, TENSION OR COMPRESSION.
8. ULTIMATE INSTALLATION TORQUE IS 7,000 FT-LBS.
9. ALL STEEL GALVANIZED PER ASTM B633-85 FE/ZN 5, TYPE III, APPLIED BY AN ISO 9000 COMPANY.

 <p><b>HELI-PILE</b><sup>®</sup> IMR, Inc. - DENVER 5135 Ward Road, Wheat Ridge, Colorado, 80033 USA 303-423-0591 Fax: 303-423-9155 www.helipile.com</p>	<p><b>SPECIFICATION SHEET</b></p>		<p><b>1.5 INCH MODULAR EXTRA HIGH STRENGTH HELICAL PILES</b></p>				
	DRAWN BY:	RJV	ENGINEER:	JSP	DATE:	11/14/11	REVISION: