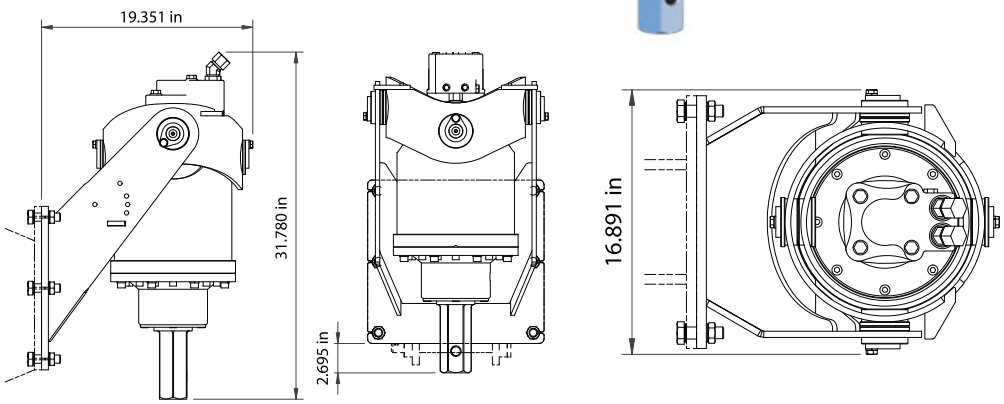
10K HELICAL DRIVE HEAD

FOR MACHINES WITH 3000 PSI

PierTech's Standard Helical Drive Heads were designed specifically for helical pier or pile installation. Designed by real-world engineers who understand the demands of the foundation industry, these drive heads are design to perform under the most strenuous environment. Their design also allows them to run at the highest efficiency rates so that they will perform dependably for years.

FEATURES

- High efficiency Eaton bell geroler hydraulic motor with integrated Pressure Relief Valve ensures max volumetric effeciency for consistent and efficient pile installation throughout your working day
- More linear feet in the ground = greater returns
- Optional (ECV) Energy Control Valve
- Optional easy to fit inline relief kit to control output torque
- Range of different machine mounts available
- Engineered gimbal mount maximum strength
- Extreme duty shaft retaining system
- No Case Drain required
- 1yr Gearbox and 1yr Motor Warranty



Properties & Specifications	
Estimated Actual Torque (FT LBS)	9956
Max Pressure	3000psi @ 29gpm
Max Flow	55gpm @ 1800psi
Max Horse Power	60
Pressure Relief Valve	Included
Energy Control Valve	Included
Standard Output Shaft	2.5" Hex

Size	
Weight	400
Length	31.7"
Diameter	16.8"

Standard Pressure at 3000 PSI			
OUTPUT SPEED		ESTIMATED ACTUAL TORQUE	
GPM	RPM	PSI	FT-LBS
8	6	1,000	3,318
12	9	1,200	3,982
16	12	1,400	4,646
20	15	1,600	5,309
24	18	1,800	5,973
28	21	2,000	6,636
32	24	2,200	7,300
36	27	2,400	7,964
40	30	2,600	8,628
44	33	2,800	9,292
48	35	3,000	9,956

All output speed and torque specifications are theoretical. Torque values are calculated assuming 80% system efficiency; however, actual performance will vary based on the overall efficiencies of the prime mover's hydraulic system. This document is intended for informational and comparative purposes only. For application-specific criteria and recommendations, please contact PierTech for engineering guidance.