

EXTREME TORQUE. BUILT FOR THE TOUGHEST JOBS.

For contractors installing helical piers and piles in a wide range of soil conditions, the PierTech™ 60K Hercules Helical Drive Head provides the ideal balance of torque, speed, and reliability. Engineered specifically for helical pile installation, the 60K Hercules utilizes a radial piston motor and high-efficiency planetary gearbox to deliver up to **67,000 ft-lbs of maximum torque output**.

Featuring a standard two-speed drive system, built-in pressure relief and energy control valves, and a compact heavy-duty gearbox, the 60K Hercules is designed to maintain smooth, efficient pile installation throughout the workday. The result is dependable torque delivery, improved installation control, and equipment protection—helping crews complete projects faster while reducing strain on the operator and the prime mover.

KEY FEATURES

- 2 speed drive system
- Highest volumetrically efficient motors available, ensure consistent & efficient pile installation throughout the working day
- Compact, High Quality, Digga made gearbox
- Built-in PRV (pressure relief valve) standard
- ECV (Energy Control relief Valve) to prevent rapid decompression of oil, caused by the reverse energy created by pile Kick-back
- Engineered hood & ears for maximum strength
- Extreme duty shaft locking system
- No complex hoses, valving or filtration
- 1yr Gearbox & 1yr Motor Warranty



Properties & Specifications	
Estimated Actual Torque (FT LBS)	67,675
Max Pressure	3,500psi @100gpm
Max Flow	100gpm @ 3,500psi
Max Horse Power	201
Pressure Relief Valve	Included
Energy Control Valve	Included
Standard Output Shaft	100mm Square
Mount	
Weight (LBS)	1859
Overall Length (in)	50.9"
Diameter (in)	23.6"

Output Speed		
GPM	HI TORQUE LOW SPD	LOW TORQUE HIGH SPD
12	2	4
20	3	6
28	4	9
36	6	11
44	7	14
52	8	16
60	10	19
68	11	22
76	12	24
84	13	27
92	15	29
100	16	32

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.



DRIVEN BY INNOVATION

Precision. Speed. Reliability.

For pile driving contractors tackling the most demanding projects—PierTech delivers engineered deep foundation systems designed to perform in tough soils, tight schedules, and critical infrastructure environments. From transmission corridors and industrial plants to oil & gas facilities and heavy commercial builds, our systems eliminate concrete delays, reduce mobilization, and keep crews moving.

BUILD FASTER BUILD SMARTER

- Faster installs with smaller crews
- No concrete, no curing delays
- Proven performance in poor soils & high water tables
- Low vibration, minimal site disruption
- Engineered, tested, and made in the USA



WE DESIGN

- Value engineering services
- Geotechnical reviews
- Engineered drawings, PE-stamped



WE MANUFACTURE

- Helical piers, grouted piles, anchors & grillage
- Installation Equipment



YOU INSTALL

- Contractor-friendly systems with training, support, and fast lead times

TOGETHER WE SUCCEED