

EXTREME TORQUE. BUILT FOR THE TOUGHEST JOBS.

When your project demands maximum torque and reliability, the PierTech™ 30K Helical Drive Head delivers. Engineered for the foundation industry, this drive head is built to handle the most demanding helical pile installations—providing the torque, efficiency, and performance you need to get more piles in the ground, faster.

KEY FEATURES

- **High-Efficiency Hydraulic Motors** – Equipped with Eaton bell geroler motors and integrated pressure relief valves, ensuring consistent torque and reliable pile installation all day long.
- **Maximum Productivity** – Designed to deliver more linear feet in the ground per day, reducing downtime and increasing project profitability.
- **Energy Control Valve (ECV)** – Prevents oil decompression from pile kickback, protecting both operators and equipment.
- **Heavy-Duty Construction** – Engineered hood, reinforced ears, and an extreme-duty shaft retaining system provide maximum strength in the field.
- **Operator-Friendly** – No case drain required, simplifying setup and maintenance.
- **Proven Durability** – Backed by a 3-year gearbox and 2-year motor warranty for long-lasting performance.



| Properties & Specifications | |
|----------------------------------|-----------------|
| Estimated Actual Torque (FT LBS) | 24,616 |
| Max Pressure | 3500psi @ 33gpm |
| Max Flow | 61gpm @1800psi |
| Max Horse Power | 67 |
| Pressure Relief Valve | Included |
| Energy Control Valve | Included |
| Standard Output Shaft | 100mm Square |

| Mount | |
|---------------------|-------|
| Weight (LBS) | 637 |
| Overall Length (in) | 45.3" |
| Diameter (in) | 14" |

| Output Speed and Torque | | | |
|-------------------------|-----|-------------------------|--------|
| OUTPUT SPEED | | ESTIMATED ACTUAL TORQUE | |
| GPM | RPM | PSI | FT-LBS |
| 20 | 7 | 1,500 | 13,185 |
| 22 | 8 | 1,700 | 14,945 |
| 24 | 8 | 1,900 | 16,705 |
| 26 | 9 | 2,100 | 18,460 |
| 28 | 10 | 2,300 | 20,220 |
| 30 | 10 | 2,500 | 21,980 |
| 32 | 11 | 2,700 | 23,735 |
| 34 | 12 | 2,900 | 25,495 |
| 36 | 13 | 3,200 | 27,255 |
| 38 | 13 | 3,300 | 29,010 |
| 40 | 14 | 3,500 | 30,800 |

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.