

PierTech™ Mini Drive Head – 8,000 ft-lbs Torque Compact Power for Mini Machines and Excavators up to 3.5T

Built for the toughest jobs in the tightest spaces, the PierTech™ Mini Drive Head delivers up to 8,000 ft-lbs of torque in a lightweight, compact package. Designed specifically for helical pile and anchor installation, this drive head provides the performance, durability, and efficiency you expect from PierTech™.

Whether mounted on a mini skid steer or a compact excavator, the Mini Drive Head keeps your crew productive, reduces wear on your equipment, and maximizes return on every project.

KEY FEATURES

- **Compact, High-Torque Gearbox** – Engineered for strength while remaining lightweight and easy to handle.
- **Built for Tight Access** – Small footprint allows maneuverability in confined or hard-to-reach sites.
- **Efficient Hydraulic Motor** – Equipped with a high-performance Eaton/ PierTech hydraulic motor for consistent, reliable power.
- **Proven Engineering** – Backed by over 30 years of design and manufacturing experience in helical foundation equipment.
- **Warranty Protection** – Comes standard with a 1-year gearbox and 1-year motor warranty for peace of mind.

IDEAL APPLICATIONS

- Stand-on mini machines with minimum 600 lb rated operating capacity
- Mini excavators up to 3.5 tons



Properties & Specifications	
Estimated Actual Torque (FT LBS)	10,478 @ 3,000psi
Expected Torque-77% efficiency(FT LBS)	8,040 @ 3,000psi
Max Pressure	3,000psi @ 18.5gpm
Max Flow	18.5gpm @ 3000psi
Max Horse Power	33
Pressure Relief Valve	NA

Mount	Mini Machine	Mini Excavator
Weight (LBS)	150	172
Height (in)	24"	26.4"
Width (in)	24.21"	16.4"

Output Speed and Torque			
OUTPUT SPEED		ESTIMATED ACTUAL TORQUE	
GPM	RPM	PSI	FT-LBS
7	6	500	1,746
8	7	1,00	3,493
9	8	1,500	5,239
10	9	2,000	6,985
11	10	2,500	8,732
12	11	3,000	10,478
13	12		
14	13		
15	14		
16	15		
17	16		
18	17		

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.