

STANDARD HELICAL DRIVE HEADS

9,000 FT LBS - 12,000 FT LBS



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 designed to perform under the most strenuous environments. Their design also allows them to run at the highest efficiency rates so that they will perform dependably for years.

FEATURES

- High efficiency bell geroler hydraulic motors with integrated Pressure Relief Valve, ensures max volumetric efficiency for consistent & efficient pile installation throughout the working day
- More linear feet in the ground = greater returns
- ICV (Inertia Control 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 retaining system
- No Case Drain required
- 3yr Gearbox & 2yr Motor Warranty



Need Torque from a lower pressure? No problem.

Two pressure series are available to suit your requirements.

Standard pressure series, for machines with 3500 PSI. Low Pressure series, for machines with 3000 PSI

PREMIUM ANCHOR DRIVES

	STANDARD PRESSURE - 3500 PSI		LOW PRESSURE - 3000 PSI	
MODEL	9HDH	12HDH	9HDH-LP	12HDH-LP
Nominal Torque (FT LBS)	9,112	11,542	7,811	9,893
Recommended Flow (Gpm)	30-46	30-46	30-46	30-46
Max Pressure - Do Not Exceed	3500psi @ 29gpm	3500psi @ 29gpm	3000psi @ 29gpm	3000psi @ 29gpm
Max Flow - Do Not Exceed	55gpm @ 1800psi	55gpm @ 1800psi	55gpm @ 1800psi	55gpm @ 1800psi
Max Horse Power	60	60	60	60
Pressure Relief Valve	Included	Included	Included	Included
Inertia Control Valve	Included	Included	Included	Included
Standard Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex
Weight (lbs)	350	350	350	350
Overall Length (in)	37.2"	37.2"	37.2"	37.2"
Diameter (in)	11.4"	11.4"	11.4"	11.4"

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OUTPUT SPEED & TORQUE

9HDH - STANDARD PRESSURE - 3500 PSI				12HDH - STANDARD PRESSURE - 3500 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
30	35	1,500	3,905	30	28	1,500	4,945
32	38	1,700	4,425	32	30	1,700	5,605
34	40	1,900	4,945	34	32	1,900	6,265
36	42	2,100	5,465	36	33	2,100	6,925
38	45	2,300	5,990	38	35	2,300	7,585
40	47	2,500	6,510	40	37	2,500	8,245
42	49	2,700	7,030	42	39	2,700	8,905
44	52	2,900	7,550	44	41	2,900	9,565
46	54	3,200	8,070	46	43	3,200	10,225
48	57	3,300	8,590	48	45	3,300	10,880
		3,500	9,100			3,500	11,500

9HDH-LP - LOW PRESSURE - 3000 PSI				12HDH-LP - LOW PRESSURE - 3000 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
8	7	1 000	3 298	8	6	1 000	4 148
12	11	1 200	3 957	12	9	1 200	4 978
16	15	1 400	4 617	16	12	1 400	5 808
20	19	1 600	5 276	20	15	1 600	6 637
24	22	1 800	5 936	24	18	1 800	7 467
28	26	2 000	6 596	28	21	2 000	8 296
32	30	2 200	7 255	32	24	2 200	9 126
36	33	2 400	7 915	36	27	2 400	9 956
40	37	2 600	8 574	40	30	2 600	10 785
44	41	2 800	9 234	44	33	2 800	11 615
48	42	3 000	9 893	48	35	3 000	12 445

Output speed and torque specifications are THEORETICAL. Speed and torque output are dependent on the overall system efficiencies associated with the prime movers hydraulic system. This document should be used for information and comparative purposes only. When determining criteria, & application specific information is required, please contact PierTech.