

PLANETARY ANCHOR DRIVES

5,000 FT LBS - 7,000 FT LBS



Developed in conjunction with the leading Screw Anchor/Pile installers around the world. The only true Anchor Drives available, designed & manufactured inhouse by Digga, specifically for the rigours of the application. Host machine operates in the most efficient HP range, minimizing wear & tear, to optimize performance & ensure highest returns.

FEATURES

- High efficiency EATON/DIGGA 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
- ECV (Energy 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

MODEL	STANDARD PRESSURE - 3500 PSI			LOW PRESSURE - 3000 PSI
	5ADS	6ADS	7ADS	7ALS
Nominal Torque (FT LBS)	4,553	5,728	7,189	7,166
Max Pressure - Do Not Exceed	3500psi @ 27gpm	3500psi @ 27gpm	3500psi @ 27gpm	3000psi @ 27gpm
Max Flow - Do Not Exceed	55gpm @1700psi	55gpm @1700psi	55gpm @1700psi	55gpm @1700psi
Max Horse Power	55	55	55	55
Pressure Relief Valve	Included	Included	Included	Included
Energy Control Valve	Included	Included	Included	Included
Standard Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex
Weight (lbs)	288	288	288	288
Overall Length (in)	33.7"	33.7"	33.7"	33.7"
Diameter (in)	11.4"	11.4"	11.4"	11.4"

OPTIONAL EXTRAS

- Ryno Piling cradle
- Drive Linkages
- Excavator Mounts/Hitch
- Diggalign - Pile/Auger Alignment system
- Torque Monitoring - Pressure Differential Gauge
- Torque Logic - Pile Alignment / Data Logging system

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OUTPUT SPEED & TORQUE

5ADS - STANDARD PRESSURE - 3500 PSI				6ADS - STANDARD PRESSURE - 3500 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
6	14	1,500	1,950	6	11	1,500	2,450
8	19	1,700	2,210	8	15	1,700	2,780
10	24	1,900	2,470	10	19	1,900	3,110
12	28	2,100	2,730	12	22	2,100	3,435
14	33	2,300	2,990	14	26	2,300	3,760
16	38	2,500	3,250	16	30	2,500	4,090
18	42	2,700	3,510	18	34	2,700	4,420
20	47	2,900	3,770	20	37	2,900	4,745
22	52	3,200	4,030	22	41	3,200	5,070
24	57	3,300	4,290	24	45	3,300	5,400
26	61	3,500	4,600	26	49	3,500	5,700
28	66			28	52		
30	71			30	56		
32	75			32	60		
34	80			34	54		
36	85			36	67		

7ADS - STANDARD PRESSURE - 3500 PSI				7ALS - LOW PRESSURE - 3000 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
6	9	1,500	3,080	6	8	1 000	2,389
8	12	1,700	3,490	8	10	1 200	2,866
10	15	1,900	3,900	12	15	1 400	3,344
12	18	2,100	4,315	16	21	1 600	3,822
14	21	2,300	4,725	20	26	1 800	4,299
16	24	2,500	5,135	24	31	2 000	4,777
18	27	2,700	5,545	28	36	2 200	5,255
20	30	2,900	5,955	32	41	2 400	5,732
22	33	3,200	6,370	36	46	2 600	6,210
24	36	3,300	6,780			2 800	6,688
26	39	3,500	7,200			3 000	7,166
28	42						
30	45						
32	48						
34	51						
36	54						

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 DIGGA.