

PLANETARY ANCHOR DRIVES

13,000 FT LBS - 16,000 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	
	13ADS	16ADS	13ALS	16ALS
Nominal Torque (FT LBS)	12,808	16,111	13,810	17,334
Max Pressure - Do Not Exceed	3500psi @ 33gpm	3500psi @ 33gpm	3000psi @ 33gpm	3000psi @ 33gpm
Max Flow - Do Not Exceed	61gpm @ 1800psi	61gpm @ 1800psi	61gpm @ 1800psi	61gpm @ 1800psi
Max Horse Power	67	67	67	67
Pressure Relief Valve	Included	Included	Included	Included
Energy Control Valve	Included	Included	Included	Included
Standard Output Shaft	3" Hex	3" Hex	3" Hex	3" Hex
Weight (lbs)	392	392	392	392
Overall Length (in)	39.6"	39.6"	39.6"	39.6"
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 Guage
- Torque Logic - Pile Alignment / Data Logging system

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OUTPUT SPEED & TORQUE

13ADS - STANDARD PRESSURE - 3500 PSI				16ADS - STANDARD PRESSURE - 3500 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
12	10	1,500	5,490	12	8	1,500	6,960
14	12	1,700	6,220	14	9	1,700	7,885
16	13	1,900	6,955	16	11	1,900	8,815
18	15	2,100	7,685	18	12	2,100	9,740
20	17	2,300	8,415	20	13	2,300	10,670
22	18	2,500	9,150	22	15	2,500	11,600
24	20	2,700	9,880	24	16	2,700	12,525
26	22	2,900	10,615	26	17	2,900	13,455
28	23	3,200	11,345	28	19	3,200	14,380
30	25	3,300	12,075	30	20	3,300	15,310
32	27	3,500	12,800	32	21	3,500	16,200
34	28			34	23		
36	30			36	24		
38	32			38	25		
40	34			40	27		
42	35			42	28		
44	37			44	29		
46	39			46	31		
48	40			48	32		
50	42			50	33		
52	44			52	35		
54	45			54	36		
56	47			56	37		

13ALS - LOW PRESSURE - 3000 PSI				16ALS - LOW PRESSURE - 3000 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
12	8	1 000	4 603	12	6	1 000	5 778
16	11	1 200	5 524	16	8	1 200	6 934
20	13	1 400	6 444	20	11	1 400	8 089
24	16	1 600	7 365	24	13	1 600	9 245
28	19	1 800	8 286	28	15	1 800	10 401
32	21	2 000	9 206	32	17	2 000	11 556
36	24	2 200	10 127	36	19	2 200	12 712
40	27	2 400	11 048	40	21	2 400	13 867
44	29	2 600	11 968	44	23	2 600	15 023
48	32	2 800	12 889	48	25	2 800	16 179
53	35	3 000	13 810	53	28	3 000	17 334

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.