

PLANETARY ANCHOR DRIVES

20,000 FT LBS - 30,000 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 your 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

	STANDARD PRESSURE - 3500 PSI			LOW PRESSURE - 3000 PSI	
MODEL	20ADS	25ADS	30ADS	20ALS	25ALS
Nominal Torque (FT LBS)	19,488	24,514	30,771	21,012	26,375
Max Pressure - Do Not Exceed	3500psi @ 33gpm	3500psi @ 33gpm	3500psi @ 33gpm	3000psi @ 33gpm	3000psi @ 33gpm
Max Flow - Do Not Exceed	61gpm @1800psi	61gpm @1800psi	61gpm @1800psi	61gpm @1800psi	61gpm @1800psi
Max Horse Power	67	67	67	67	67
Pressure Relief Valve	Included	Included	Included	Included	Included
Energy Control Valve	Included	Included	Included	Included	Included
Standard Output Shaft	100mm Square	100mm Square	100mm Square	100mm Square	100mm Square
Weight (lbs)	637	637	637	637	637
Overall Length (in)	45.3"	45.3"	45.3"	45.3"	45.3"
Diameter (in)	14"	14"	14"	14"	14"

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

20ADS - STANDARD PRESSURE - 3500 PSI				25ADS - STANDARD PRESSURE - 3500 PSI				30ADS - STANDARD PRESSURE - 3500 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
20	11	1,500	8,340	20	9	1,500	10,550	20	7	1,500	13,185
22	12	1,700	9,450	22	10	1,700	11,955	22	8	1,700	14,945
24	13	1,900	10,565	24	11	1,900	13,365	24	8	1,900	16,705
26	14	2,100	11,675	26	11	2,100	14,770	26	9	2,100	18,460
28	15	2,300	12,790	28	12	2,300	16,175	28	10	2,300	20,220
30	17	2,500	13,900	30	13	2,500	17,580	30	10	2,500	21,980
32	18	2,700	15,010	32	14	2,700	18,990	32	11	2,700	23,735
34	19	2,900	16,125	34	15	2,900	20,395	34	12	2,900	25,495
36	20	3,200	17,235	36	16	3,200	21,800	36	13	3,200	27,255
38	21	3,300	18,340	38	17	3,300	23,210	38	13	3,300	29,010
40	22	3,500	19,500	40	18	3,500	24,600	40	14	3,500	30,800
42	23			42	18			42	15		
44	24			44	19			44	15		
46	25			46	20			46	16		
48	26			48	21			48	17		
50	28			50	22			50	17		
52	29			52	23			52	18		
54	30			54	24			54	19		
56	31			56	25			56	20		

20ALS - LOW PRESSURE - 3000 PSI				25ALS - LOW PRESSURE - 3000 PSI			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
12	5	1 000	7 004	12	4	1 000	8 792
16	7	1 200	8 405	16	6	1 200	10 550
20	9	1 400	9 806	20	7	1 400	12 308
24	11	1 600	11 207	24	8	1 600	14 067
28	12	1 800	12 607	28	10	1 800	15 825
32	14	2 000	14 008	32	11	2 000	17 583
36	16	2 200	15 409	36	13	2 200	19 342
40	18	2 400	16 810	40	14	2 400	21 100
44	19	2 600	18 211	44	15	2 600	22 858
48	21	2 800	19 611	48	17	2 800	24 617
53	23	3 000	21 012	53	18	3 000	26 375

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.