

# PLANETARY ANCHOR DRIVES



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, minimising wear & tear, optimising performance & ensure highest returns.

## Features

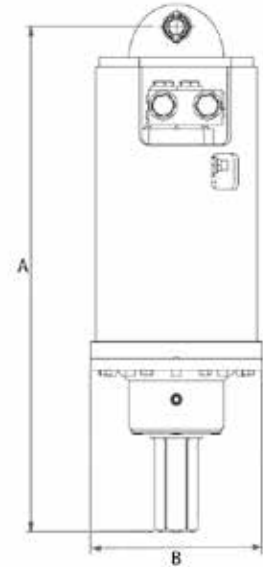
- High efficiency EATON/DIGGA bell geroler hydraulic motors with integrated Pressure Relief Valve, ensures max volumetric efficiency for consistent & efficient pile installation throughout the working day
- More linear feet in the ground = greater returns
- ECV (Energy Control Valve) to prevent rapid 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
- 5yr Gearbox & 3yr Motor Warranty

*Need Torque from a lower pressure, no problems.*

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



## Specifications

	ANCHOR DRIVE STANDARD PRESSURE 3500 PSI SERIES			ANCHOR DRIVE LOW PRESSURE 3000 PSI SERIES	
	20ADS	25ADS	30ADS	20ALS	25ALS
Nominal Torque ( FT LBS)	19,488	24,514	30,771	21,012	26,375
Rec Flow *	26-53	26-53	26-53	26-53	26-53
Max Pressure **	3500	3500	3500	3000	3000
Max Power (HP)***	80	80	80	80	80
PRV (Pressure Relief Valve)	Included	Included	Included	Included	Included
ECV (Energy Control Valve)	Included	Included	Included	Included	Included
Overall Length (A) inches	44.9"	44.9"	44.9"	44.9"	44.9"
Diameter (B) inches	14"	14"	14"	14"	14"
Weight lbs	637	637	637	637	637
Output Shaft	100mm sq	100mm sq	100mm sq	100mm sq	100mm sq

\* Max Flow - Do not exceed 60gpm (230lpm) @ 2300psi (160 bar)

\*\*Max Pressure - Do not exceed 3500psi (240bar) @ 39 gpm (150 lpm)

\*\*\* Max Power - Do not exceed 80HP (60Kw)



# OUTPUT SPECIFICATIONS

## ANCHOR DRIVE STANDARD PRESSURE SERIES

Torque Output (FT LBS) @3500 PSI (240 Bar)			
	20ADS	25ADS	30ADS
Pressure PSI	Torque ft lbs	Torque ft lbs	Torque ft lbs
1 000	5 568	7 004	8 792
1 200	6 682	8 405	10 550
1 400	7 795	9 806	12 308
1 600	8 909	11 207	14 067
1 800	10 023	12 607	15 825
2 000	11 136	14 008	17 583
2 200	12 250	15 409	19 342
2 400	13 363	16 810	21 100
2 600	14 477	18 211	22 858
2 800	15 591	19 611	24 617
3 000	16 704	21 012	26 375
3 200	17 818	22 413	28 134
3 300	18 375	23 113	29 013
3 500	19 488	24 514	30 771

Speed Output (RPM)			
	20ADS	25ADS	30ADS
Flow GPM	Speed RPM	Speed RPM	Speed RPM
8	4	4	3
12	7	5	4
16	9	7	6
20	11	9	7
24	13	11	8
28	15	12	10
32	18	14	11
36	20	16	13
40	22	18	14
44	24	19	15
48	26	21	17
53	29	23	18

## ANCHOR DRIVE LOW PRESSURE SERIES

Torque Output (FT LBS) @3000 PSI (210 Bar)		
	20ALS	25ALS
Pressure PSI	Torque ft lbs	Torque ft lbs
1 000	7 004	8 792
1 200	8 405	10 550
1 400	9 806	12 308
1 600	11 207	14 067
1 800	12 607	15 825
2 000	14 008	17 583
2 200	15 409	19 342
2 400	16 810	21 100
2 600	18 211	22 858
2 800	19 611	24 617
3 000	21 012	26 375

Speed Output (RPM)		
	20ALS	25ALS
Flow GPM	Speed RPM	Speed RPM
8	4	3
12	5	4
16	7	6
20	9	7
24	11	8
28	12	10
32	14	11
36	16	13
40	18	14
44	19	15
48	21	17
53	23	18

### OPTIONAL EXTRAS

- Ryno Piling cradle
- Drive Linkages
- Excavator Mounts/Hitch
- Diggalign - Pile/Auger Alignment system
- Torque Monitoring - Pressure Differential Gauge
- Diggalogic - Torque & System monitoring (avail Aug 2013)

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.