

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

| | STANDARD PRESSURE - 3500 PSI | | | LOW PRESSURE - 3000 PSI |
|------------------------------|------------------------------|-----------------|-----------------|-------------------------|
| MODEL | 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.