



# SCREW ANCHOR & FOUNDATION DRIVES

MACHINERY ATTACHMENTS NORTH AMERICA



**WE ARE DRIVEN TO MAKE YOU SUCCEED**  
WITH PROVEN EXPERTISE IN PROVIDING MACHINERY ATTACHMENT SOLUTIONS.

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# A TRUSTED REPUTATION FOR DELIVERING QUALITY PRODUCTS THAT PERFORM

Founded in 1981, Digga are the original designers and manufacturers of planetary gearboxes and machinery attachments for the earthmoving and construction industry. As a global company committed to local supply and manufacturing, Digga has 5 company owned facilities around the world to ensure prompt, efficient service through our extensive professional dealer network.

**DIGGA** is your trusted source for new machinery attachments for the earthmoving and construction equipment industry

# DIGGA MANUFACTURING – NOT JUST ASSEMBLERS WE ARE THE ORIGINAL MANUFACTURER



North America - Dyersville, Iowa

100% Privately owned, Digga is the largest manufacturer and exporter of planetary gearboxes for machinery attachments. Formed in 1981 by founder Stewart Wright, Digga pioneered pendulum drilling in Australia and today produce the largest range of compact high torque planetary drives for the pendulum drilling and attachment industry. As the largest attachment manufacturer in Australia, Digga specializes in drilling and trenching attachment solutions worldwide.

North America is proudly supplied by our newest company owned manufacturing facility in Dyersville, Iowa. Centrally located for fast distribution and service to North America, the facility is a state of the art fabrication, assembly and powder coating plant.

As a multi-award winning company, recognized for our innovative approach to leading edge design and superior manufacturing quality, Digga is committed to providing total solutions worldwide for drilling and trenching.

Digga has 5 company owned manufacturing facilities around the world with 24hr a day engineering support.

Our products are distributed by a dedicated professional dealer network. Local country manufacturing and professional support ensures fast and efficient service.

## OUR PHILOSOPHY

*Simply, to help our customers be successful.*

*THE TREND THESE DAYS IS FOR COMPANIES TO OUTSOURCE TO LOW COST COUNTRIES. WE ENDEAVOUR TO MAKE AN AFFORDABLE PRODUCT, BUT ARE NOT WILLING TO SACRIFICE OUR GOALS OR OUR PRODUCT INTEGRITY*

**QUALITY  
SERVICE  
RELIABILITY  
GUARANTEED**

# PIONEERING NEW MARKETS



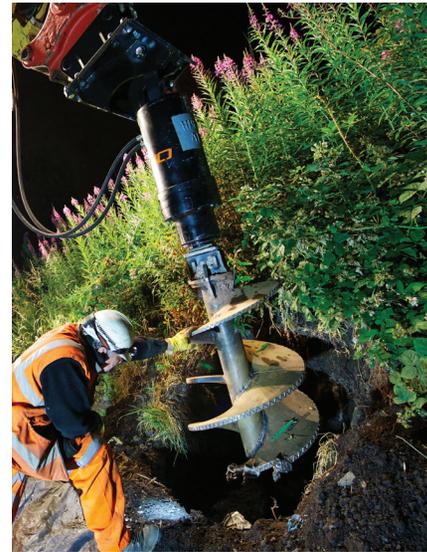
## AUGER DRILLING FOR EXCAVATORS

- Excellent return on investment – Maximum performance with minimal wear and tear.
- Fast quick attach from your bucket or breaker to a drilling machine.
- Drill large diameter holes in most ground conditions including frozen ground and rock.



## HELICAL PILE INSTALLATION

- Not just a gearbox supplier, Digga supply a package of total solutions to helical pile manufacturers for optimum performance.
- Manufacturers and installers.



## ROCK DRILLING

- Providing the right solutions for a variety of host machines. Choose from our multipurpose combination augers for all ground conditions or dedicated rock augers for heavy duty rock drilling.



## FOUNDATION DRILLING

- Turning Excavators into multipurpose high return tool carriers.
- Quick attach, easy connection.
- High performance attachment with great return on investment.

# THE MOST ADVANCED ANCHOR DRIVE

## THE DIGGA DIFFERENCE

### INTEGRATED SOLUTIONS

All valving and hoses are contained inside the hood for optimum efficiency and protection of the equipment.

- Integrated Pressure Relief valve fitted standard on all DIGGA/BELL series motors.
- Pressure Relief valve mounted to all 2 Speed VIS and Radial Piston Motors.

### MORE COMPACT, LESS MAINTENANCE

No compromise in quality. Gears are precision machined from a high grade alloy steel, specifically formulated for the manufacturing of high performance gears.

Compact design allows for greater length under the drive for augers or pile installation. Drives can go down the hole for added depth when drilling.

### HIGHEST SIDE LOAD RATINGS

More than double the side load capacity of any other gearbox on the market. Under torque load, the Digga two piece shaft design ensures there is no increased load on the bearings. The bearings do the job they were designed for, efficiently maintaining axial and side loading.

### 2 PIECE SHAFT DESIGN

The Digga shaft is a separate component to the planetary carrier, isolating the planetary gears from pushing, pulling and bending forces generated by the machine.

- Highest shaft pullout rating in the industry with heavy duty custom designed lock nut.
- Lifetime warranty on shaft pullout.

### EXTENSIVE WARRANTY

Digga offers industry leading warranty of up to 3 year gearbox and 2 year motor warranties on selected drives. Enjoy peace of mind when purchasing a Digga Anchor Drive.



**SD-XD Builds**  
Radial Piston Motor  
Pressure Relief Valve &  
Energy Control Valve as standard



**A-Series Drive Builds**  
Eator Geroler Motor,  
Pressure Relief Valve &  
Energy Control Valve as standard

# YOU HAVE EVER OWNED OR OPERATED

## THE RIGHT POWER SOLUTION FOR OPTIMUM PERFORMANCE

### COMBINING INDUSTRY EXPERTISE

#### INTEGRATED MOTOR AND OUTPUT HOUSING

In a joint effort with Danfoss, DIGGA have developed a range of custom hydraulic motors. Utilizing Danfoss Geroler technology, and integrating the input housing allowed the gearbox sun gear direct connection into the motor. Integration of the pressure relief valve and top porting of hoses to the motor head provides maximum protection of all hoses and valving. The new design significantly reduces the weight and overall length of the drives.



#### VIS TWO SPEED

High quality motor manufactured by Danfoss. The VIS series is 50% more efficient than conventional gear motors. It is contamination resistant, capable of 70kw power (95Hp) and tolerates higher pressures than 6K Series.

2 Speed motors boast an increase of 50% in high speed/low torque.



#### RADIAL PISTON

Volumetrically superior to any other motor on the market today and more contamination resistant than axial piston motors. Capable of withstanding Case drain pressures three times our nearest competitor.

Ratio - 2:1 two speed.



### ENERGY CONTROL VALVE

A REVOLUTIONARY BYPASS VALVE IS FITTED TO THE DRIVE MANIFOLD TO CONTROL THE RAPID DECOMPRESSION OF OIL (PILE KICK-BACK) CAUSED BY THE APPLICATION OF SCREW ANCHORING



#### PATENTED ANTI KICK-BACK VALVE (ECV)

Screw anchors are installed to an engineering torque specification. When installation torque is reached and the operator stops the machine, the pile has built up a rotational energy (somewhat like a rubber band on a wind-up model plane). The pile momentarily 'kicks back', forcing the energy back up the pile through the drive shaft to the gearbox, through to the hydraulic motor. This action causes the motor to effectively turn into a high speed pump, generating cavitation of the motor, in turn causing motor failure and expensive replacement costs. The DIGGA ECV valve controls the release of this energy.



**HALO**

## HALO AUGER ALIGNMENT SYSTEM

No need for a spotter and spirit level to guide the operator

LED lights built into the hood so you never have to take your eyes off the job

Install helical pier at any angle with 100% accuracy

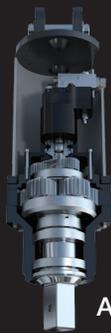
HALO costs significantly less than traditional systems & eliminates the need for a costly in-cab display

# OUR RANGE

MODELS	MACHINE (TONS)	TORQUE RANGE FT/LBS	PAGE
HH & MM Drives	UP TO 3.5	10,000	10
AD/AL Drives	4-30	5,000 - 30,000	11-13
Supa Drives	15-30	30,000 - 70,000	14
Mega Drives	20 - 40	80,000 - 150,000	14
Ultra Drives	30 - 50	140,000 - 230,000	15
Xtreme Drives	45 - 80	190,000 - 360,000	15



HH & MM Drives



AD Drive



AL Drive



SD Drive



MD Drive



UD Drive



XD Drive

\*Drives not to scale.

# LIGHTWEIGHT & MINI MACHINE

## LIGHTWEIGHT SCREW ANCHOR DRIVE

LIGHTWEIGHT, HAND HELD SCREW ANCHOR DRIVES FOR THE INSTALLATION OF SCREW PILES IN CONFINED OR LOW ACCESS SITES SUCH AS CRAWL SPACES. THE UNITS CAN BE POWERED BY PORTABLE HYDRAULIC POWER PACKS

## MINI MACHINE SCREW ANCHOR DRIVE

TO SUIT:

- STAND ON MINI MACHINES WITH ROC 600LBS MINIMUM
- MINI EXCAVATORS UP TO 3.5T

LIGHTWEIGHT	
MODEL	HH-6K
Theoretical Torque (ft-lbs)	6,528 @ 2,100psi
Expected Torque (ft-lbs)	4,765 @ 2,100psi (73% efficiency)
Max Pressure	2,100psi @ 15gpm
Max Flow	15gpm @ 2100psi
Max Horse Power	18
Pressure Relief Valve	Included
Standard Output Shaft	2" Hex
Weight (lbs)	90
Overall Length (in)	20"
Diameter (in)	9.5"



MINI MACHINE			
MODEL	MM-10K		
Theoretical Torque (ft-lbs)	10,478 @ 3,000psi		
Expected Torque-77% efficiency (ft-lbs)	8,040 @ 3,000psi		
Max Pressure	3,000psi @ 18.5gpm		
Max Flow	18.5gpm @ 3000psi		
Max Horse Power	33		
Pressure Relief Valve	NA		
Standard Output Shaft	2.5" Hex-Short		
HALO	Optional		
Mount Specifications	Hood to suit 100mm Linkage	Mini Machine	Mini Excavator
Overall Weight (lbs)	238	289	310
Height (in)	29.5"	24"	24"
Width (in)	11.4"	16.9"	16.9"



\* 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 and application-specific information is required, please contact DIGGA.

# SINGLE SPEED 5,000 FT LB-30,000 FT LBS

## 5,000 - 7,000 FT LBS

MODEL	PREMIUM DRIVES			STD PRESSURE		LOW PRESSURE	
	5 ADS	6 ADS	7 ADS	7 ALS			
Max Torque (Ft-lbs)	4,553	5,728	7,189	7,166			
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss			
Max Pressure - Do Not Exceed *	3500 PSI @ 27 GPM			3000 PSI @ 27 GPM			
Max Flow - Do Not Exceed *	55 GPM @1700 PSI			55 GPM @ 1700 PSI			
Max Power (Hp) *	55	55	55	55			
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED			
ECV Fitted	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			
DIA (in)	11.4	11.4	11.4	11.4			
HALO	Optional	Optional	Optional	Optional			

## 13,000 - 16,000 FT LBS

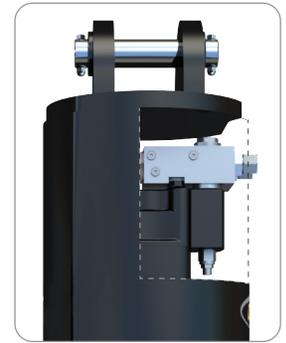
MODEL	PREMIUM DRIVES		STD PRESSURE		LOW PRESSURE	
	13 ADS	16 ADS	13 ALS	16 ALS		
Max Torque (Ft-lbs)	12,808	16,111	13,810	17,334		
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss		
Max Pressure - Do Not Exceed *	3500 PSI @ 33 GPM		3000 PSI @ 33 GPM			
Max Flow - Do Not Exceed *	61 GPM @ 1800 PSI		61 GPM @ 1800 PSI			
Max Power (Hp) *	67	67	67	67		
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED		
ECV Fitted	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		
DIA (in)	11.4	11.4	11.4	11.4		
HALO	Optional	Optional	Optional	Optional		

## 9,000 - 12,000 FT LBS

MODEL	PREMIUM DRIVES		STD PRESSURE		LOW PRESSURE	
	9 ADS	12 ADS	9 ALS	12 ALS		
Max Torque (Ft-lbs)	9,112	11,542	9,893	12,445		
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss		
Max Pressure - Do Not Exceed *	3500 PSI @ 29 GPM		3000 PSI @ 29 GPM			
Max Flow - Do Not Exceed *	55 GPM @1800 PSI		55 GPM @ 1800 PSI			
Max Power (Hp) *	60	60	60	60		
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED		
ECV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED		
Standard Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex		
Weight (lbs)	351	351	351	351		
Overall Length (in)	37.2	37.2	37.2	37.2		
DIA (in)	11.4	11.4	11.4	11.4		
HALO	Optional	Optional	Optional	Optional		

## 20,000 - 30,000 FT LBS

MODEL	PREMIUM DRIVES			STD PRESSURE		LOW PRESSURE	
	20 ADS	25 ADS	30 ADS	20 ALS	25 ALS		
Max Torque (Ft-lbs)	19,488	24,514	30,771	21,012	26,375		
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss		
Max Pressure - Do Not Exceed *	3500 PSI @ 33 GPM			3000 PSI @ 33 GPM			
Max Flow - Do Not Exceed *	61 GPM @ 1800 PSI			61 GPM @ 1800 PSI			
Max Power (Hp) *	67	67	67	67	67		
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED		
ECV Fitted	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)	44.9	44.9	44.9	44.9	44.9		
DIA (in)	14	14	14	14	14		
HALO	Optional	Optional	Optional	Optional	Optional		



**INTEGRATED PRESSURE RELIEF AND ENERGY CONTROL VALVE STANDARD ON ALL DIGGA ANCHOR DRIVES**

\* 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 and application-specific information is required, please contact DIGGA.

# TWO SPEED 5,000 FT LBS - 12,000 FT LBS

## 5,000 - 7,000 FT LBS

PREMIUM DRIVES	STD PRESSURE			LOW PRESSURE
	5 ADT	6 ADT	7 ADT	7 ALT
Model	5 ADT	6 ADT	7 ADT	7 ALT
Max Torque (Ft-lbs)	4,745	5,847	7,357	7,333
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss
Max Pressure - Do Not Exceed *	3500 PSI @ 27 GPM			3000 PSI @ 27 GPM
Max Flow - Do Not Exceed *	53 GPM @ 1800 PSI			53 GPM @ 1800 PSI
Max Power (Hp) ***	55	55	55	55
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ECV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED
Standard Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex
Weight (lbs)	400	400	400	400
Overall Length (in)	37.9	37.9	37.9	37.9
DIA (in)	13.4	13.4	13.4	13.4
HALO	Optional	Optional	Optional	Optional

## 9,000 - 12,000 FT LBS

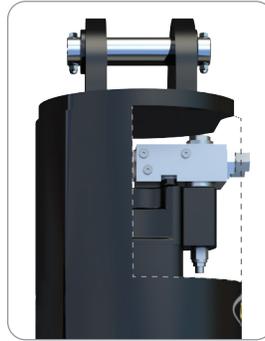
PREMIUM DRIVES	STD PRESSURE		LOW PRESSURE	
	12 ADT	9 ALT	12 ALT	
Model	12 ADT	9 ALT	12 ALT	
Max Torque (Ft-lbs)	12,028	10,310	12,705	
Motor Type	Danfoss	Danfoss	Danfoss	
Max Pressure - Do Not Exceed *	3500 PSI @ 29 GPM		3000 PSI @ 29 GPM	
Max Flow - Do Not Exceed *	53 GPM @ 1950 PSI		53 GPM @ 1950 PSI	
Max Power (Hp) ***	60	60	60	
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	
ECV Fitted	INCLUDED	INCLUDED	INCLUDED	
Standard Output Shaft	2.5" Hex	2.5" Hex	2.5" Hex	
Weight (lbs)	485	440	485	
Overall Length (in)	39.3	39.3	39.3	
DIA (in)	13.4	13.4	13.4	
HALO	Optional	Optional	Optional	



# TWO SPEED 13,000 FT LBS - 30,000 FT LBS

13,000 - 16,000 FT LBS

PREMIUM DRIVES	STD PRESSURE		LOW PRESSURE	
	13 ADT	16 ADT	13 ALT	16 ALT
MODEL	13 ADT	16 ADT	13 ALT	16 ALT
Max Torque (Ft-lbs)	13,347	16,448	14,098	17,739
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss
Max Pressure - Do Not Exceed *	3500 PSI @ 33 GPM		3000 PSI @ 33 GPM	
Max Flow - Do Not Exceed *	53 GPM @ 2200 PSI		53 GPM @ 2200 PSI	
Max Power (Hp) *	67	67	67	67
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ECV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED
Standard Output Shaft	3" Hex	3" Hex	3" Hex	3" Hex
Weight (lbs)	485	485	485	485
Overall Length (in)	42.1	42.1	42.1	42.1
DIA (in)	13.4	13.4	13.4	13.4
HALO	Optional	Optional	Optional	Optional



INTEGRATED PRESSURE RELIEF AND ENERGY CONTROL VALVE STANDARD ON ALL DIGGA ANCHOR DRIVES

20,000 - 30,000 FT LBS

PREMIUM DRIVES	STD PRESSURE			LOW PRESSURE	
	20 ADT	25 ADT	30 ADT	20 ALT	25 ALT
Model	20 ADT	25 ADT	30 ADT	20 ALT	25 ALT
Max Torque (Ft-lbs)	20,309	25,027	31,489	21,452	26,991
Motor Type	Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
Max Pressure - Do Not Exceed *	3500 PSI @ 39 GPM			3000 PSI @ 39 GPM	
Max Flow - Do Not Exceed *	53 GPM @ 2600 PSI			53 GPM @ 2600 PSI	
Max Power (Hp) *	80	80	80	80	80
PRV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ECV Fitted	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
Standard Output Shaft	100mm Square	100mm Square	100mm Square	100mm Square	100mm Square
Weight (lbs)	675	675	675	675	675
Overall Length (in)	49.5	49.5	49.5	49.5	49.5
DIA (in)	14	14	14	14	14
HALO	Optional	Optional	Optional	Optional	Optional



\* Output speed and torque specifications are THEORETICAL. Outputs 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. To determine criteria and application-specific information is required, contact DIGGA.

# FOUNDATION DRIVES - 32,000 FT LBS - 360,000 FT LBS

30,000FTLBS - 70,000FTLBS

SUPA DRIVES	SD 45	SD 50	SD 70	SD 80	SD 95
Max Torque (ft-lbs)	32,892	38,569	50,465	60,828	67,675
Max Speed (RPM)	65	56	43	35	32
Max Flow - Do Not Exceed	100 GPM @ 3,500 PSI				
Max Pressure - Do Not Exceed	3,500 PSI @ 100 GPM				
Max Power (hp)	201	201	201	201	201
Motor	Radial Piston				
PRV	Included	Included	Included	Included	Included
ECV	Included	Included	Included	Included	Included
Overall Length (In)	50.9	50.9	50.9	50.9	50.9
Diameter (In)	23.6	23.6	23.6	23.6	23.6
Weight No Hitch/Oil - (lbs)	1848	1843	1843	1843	1859
Shaft (mm)	100mm Square				

80,000FTLBS - 150,000FTLBS

MEGA DRIVES	MD 110	MD 160	MD 190
Max Torque (ft-lbs)	84,873	125,648	147,335
Max Speed (RPM)	25	17	15
Max Flow - Do Not Exceed	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI
Max Pressure - Do Not Exceed	3,500 PSI @ 100 GPM	3,500 PSI @ 100 GPM	3,500 PSI @ 100 GPM
Max Power (hp)	201	201	201
Motor	Radial Piston	Radial Piston	Radial Piston
PRV	Included	Included	Included
ECV	Included	Included	Included
Overall Length (In)	64	70	70
Diameter (In)	24	24	24
Weight No Hitch/Oil - (lbs)	2267	2626	2633
Shaft (mm)	130mm Square	130mm Square	130mm Square



140,000FT LBS - 230,000FT LBS

ULTRA DRIVES	UD 190	UD 220	UD 250	UD 300
Max Torque (ft-lbs)	138,476	154,064	180,656	226,563
Max Speed (RPM)	15	14	12	9
Max Flow - Do Not Exceed	100 GPM @ 3,500 PSI			
Max Pressure - Do Not Exceed	3,500 PSI @ 100 GPM			
Max Power (hp)	201	201	201	201
Motor	Radial Piston	Radial Piston	Radial Piston	Radial Piston
PRV	Included	Included	Included	Included
ECV	Included	Included	Included	Included
Overall Length (In)	75.5	75.5	75.5	75.5
Diameter (In)	26.5	26.5	26.5	26.5
Weight No Hitch/Oil - (lbs)	2633	3467	3467	3467
Shaft (mm)	150mm Square	150mm Square	150mm Square	150mm Square

190,000FT LBS - 360,000FT LBS

XTREME DRIVES	XD 270	XD 310	XD 410	XD 500
Max Torque (ft-lbs)	192,755	226,025	295,734	356,465
Max Speed (RPM)	11	9	7	6
Max Flow - Do Not Exceed	100 GPM @ 3,500 PSI			
Max Pressure - Do Not Exceed	3,500 PSI @ 100 GPM			
Max Power (hp)	201	201	201	201
Motor	Radial Piston	Radial Piston	Radial Piston	Radial Piston
PRV	Included	Included	Included	Included
ECV	Included	Included	Included	Included
Overall Length (In)	95	95	95"()	95
Diameter (In)	32.3	32.3	32.3"()	32.3
Weight No Hitch/Oil - (lbs)	6345	6345	6345	6345
Shaft (mm)	200mm Square	200mm Square	200mm Square	200mm Square





# HIGH POWERED FOUNDATION DRIVES

# HIGH SPEED ♦ HIGH PRESSURE ♦ HIGH PERFORMANCE

DIGGA'S HIGH POWERED DRIVES OPERATE AT A MAX PRESSURE OF 5,000 PSI PROVIDING YOU THE SPEED AND PERFORMANCE WITHOUT DETUNING YOUR MACHINE.

**3 MOTOR  
OPTIONS**

- HIGH POWERED SINGLE SPEED
- HIGH POWERED 2 SPEED
- HIGH POWERED AUTO SHIFT



**THE FASTEST DRIVE ON THE MARKET**



**TORQUE  
RANGE 32,000 - 232,000 FT LBS**

**CONTACT DIGGA  
FOR MORE INFORMATION**



# HIGH POWERED SD DRIVES - 32,000 FT LBS - 70,000 FT LBS

## SINGLE SPEED

HP SUPA DRIVES	SD 45HPS	SD 50HPS	SD 70HPS	SD 80HPS	SD 95HPS
Max Torque (ft-lbs)	33,654	39,463	51,634	62,638	69,244
Max Speed (RPM)	46	39	30	25	22
Max Flow (Gpm)	100 GPM @ 3,500 PSI				
Max Pressure - Do Not Exceed	5,000 PSI @70 GPM				
Max Horse Power	201	201	201	201	201
Motor Type	Radial Piston	Radial Piston	Radial Piston	Radial Piston	Radial Piston
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

## TWO SPEED

HP SUPA DRIVES	SD 45HPT	SD 50HPT	SD 70HPT	SD 80HPT	SD 95HPT
Max Torque (ft-lbs)	33,654	39,463	51,634	62,638	69,244
Max Speed (RPM) - Low Torque	78	66	51	42	38
Max Speed (RPM) - High Torque	46	39	30	25	22
Max Flow (Gpm)	100 GPM @ 3,500 PSI				
Max Pressure - Do Not Exceed	5,000 PSI @70 GPM				
Max Horse Power	201	201	201	201	201
Motor Type	Radial Piston	Radial Piston	Radial Piston	Radial Piston	Radial Piston
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 </td <td>100mm Square</td> <td>100mm Square</td>	100mm Square	100mm Square



# HIGH POWERED

# MD & UD DRIVES - 86,000 FT LBS - 232,000 FT LBS

TWO SPEED

HP MEGA DRIVES	MD 110HPT	MD 160HPT	MD 190HPT
Max Torque (ft-lbs)	86,840	128,560	150,750
Max Speed (RPM) - Low Torque	30	20	17
Max Speed (RPM) - High Torque	18	12	10
Max Flow (Gpm)	100 GPM @ 3,500 PSI		
Max Pressure - Do Not Exceed	5,000 PSI @70 GPM		
Max Horse Power	201	201	201
Motor Type	Radial Piston	Radial Piston	Radial Piston
Pressure Relief Valve	Included	Included	Included
Energy Control Valve	Included	Included	Included
Standard Output Shaft	130mm Square	130mm Square	130mm Square

TWO SPEED

HP ULTRA DRIVES	UD 190HPT	UD 220HPT	UD 250HPT	UD 300HPT
Max Torque (ft-lbs)	141,685	157,634	184,842	231,814
Max Speed (RPM) - Low Torque	18	17	14	11
Max Speed (RPM) - High Torque	11	10	8	7
Max Flow (Gpm)	100 GPM @ 3,500 PSI			
Max Pressure - Do Not Exceed	5,000 PSI @70 GPM			
Max Horse Power	201	201	201	201
Motor Type	Radial Piston	Radial Piston	Radial Piston	Radial Piston
Pressure Relief Valve	Included	Included	Included	Included
Energy Control Valve	Included	Included	Included	Included
Standard Output Shaft	150mm Square	150mm Square	150mm Square	150mm Square



# MACHINE MOUNTS

## MINI LOADER GIMBAL MOUNT

Digga offers a gimbal mount option for mini loaders. Perfect for limited access jobs where the machine boom can't be fully extended or to fit longer auger bits or screw piers under the drive unit.

HALO is now available on MM-10K units.



## MINI GIMBAL EXTENSION MOUNT

Need extra reach or to install longer screw piers? The mini loader boom extension with gimbal mount is the ultimate screw anchoring tool for mini loaders.

Now available with HALO!



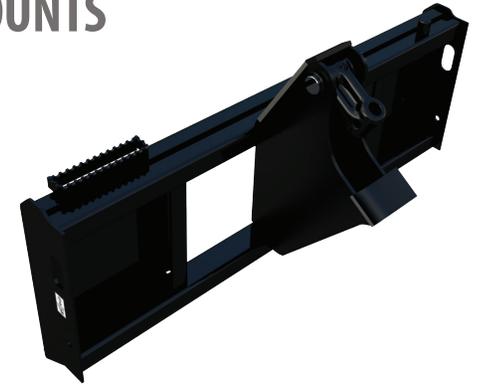
## MINI LOADER MOUNT EXTENSIONS

Digga's Mini Drilling Extensions effectively increase your reach for added drilling depth. The drilling mount for mini machines lets you use standard size 4in augers and gives you excellent visibility to the hole being dug. American manufactured by Digga, using only the highest grade materials and strictest quality control.



## SKID STEER LOADER MOUNTS

Digga manufactures a fixed centre mount or optional side shift mount for most skid steer loaders, backhoes, tele-handers and mini machines. The optional Side Shift Frames feature a slide cradle which allows the user to offset the attachment mounted on the frame, enabling drilling close to structures.



## TELESCOPIC PILING EXTENSION NEED THAT EXTRA REACH? EFFECTIVELY INCREASES YOUR REACH FOR ADDED DRILLING DEPTH OR HELICAL PILE INSTALLATION

### FEATURES

- Designed to be used with Drives up to 16,000 ft/lb.
- Unique design gives the operator greater range & visibility.
- Available with Gimbal Mount



## EXCAVATOR MOUNTS

Digga manufactures a range of mounting brackets up to 90t excavators. Configurations include single pin, double pin, fixed and loose pin.



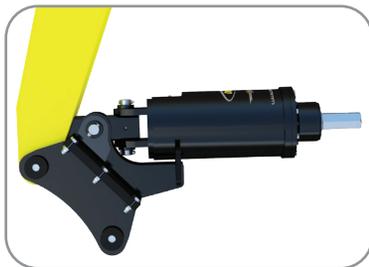
## EXCAVATOR GIMBAL MOUNTS

Digga offers a range of boom extension gimbal mounts for excavators. From mini to 50T machines we have a custom solution to fit your needs.



## BACKHOE MOUNTS

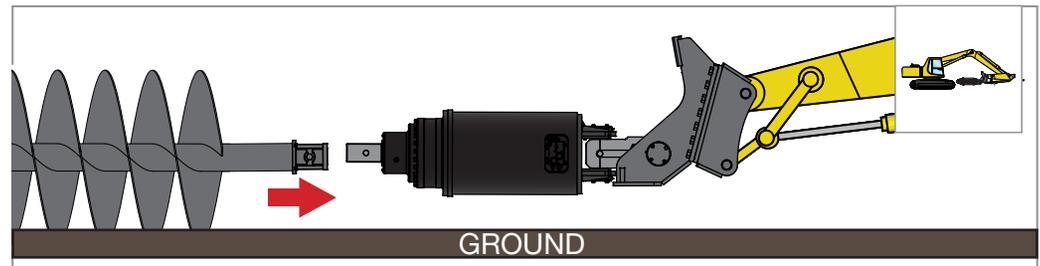
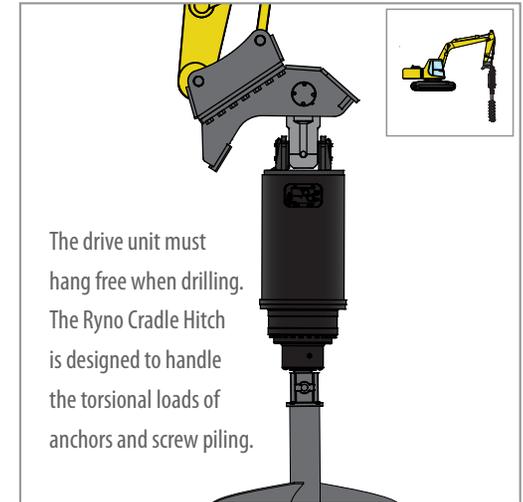
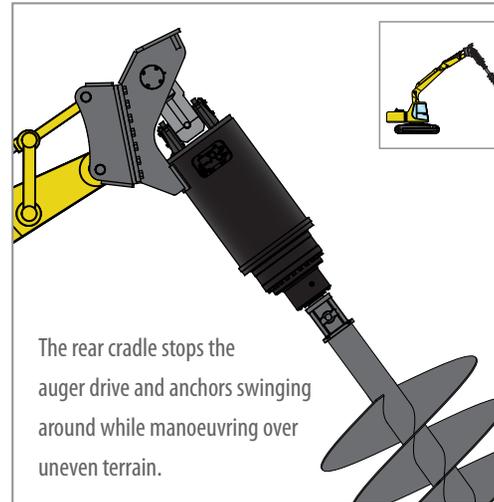
Designed to provide safer drive unit transportation between holes, the backhoe cradle hitch is available with optional carry strap.



## RYNO MOUNT

DEVELOPED FOR FASTER CONNECTION TO THE AUGER OR PILE, THE RYNO CRADLE MOUNT HAS BEEN DESIGNED TO HANDLE THE TORSIONAL LOADS OF LARGE AUGERS AND HELICAL SCREW PILING.

The Ryno Mount front cradle allows the operator to angle the drive unit up to 90 degrees for easy connection to augers or anchors while a rear cradle stops the auger drive or anchor from swinging about whilst manoeuvring over uneven terrain.



# TORQUE MEASURING SYSTEMS

**WHEN SCREW PILES/PIERS ARE INSTALLED, A TORQUE READING IS REQUIRED TO ENSURE THAT CORRECT INSTALLATION TORQUE HAS BEEN ACHIEVED.**

Traditionally, torque was calculated by a single sensor gauge located at the hydraulic pump in the excavator. Pressure is lost as the oil travels up the boom to the Drive Unit, back pressure is then created as the oil is transferred back to the parent machine. Pressure readings can be out by as much as 15-20% by the use of a single gauge system.

**DIGGA OFFER THREE METHODS FOR CALCULATING INSTALLATION TORQUE**

Pressure Differential Gauge | Torque Hub | Torque Spool



## INLINE PRESSURE RELIEF VALVE

**OFFERS SECONDARY RELIEF PROTECTION TO THE DRIVE UNIT**

### FEATURES

- Adjust hydraulic pressure to your drive unit independently from parent machine
- Plug and play system
- Easy to install
- Used in conjunction with Digga's torque monitoring systems

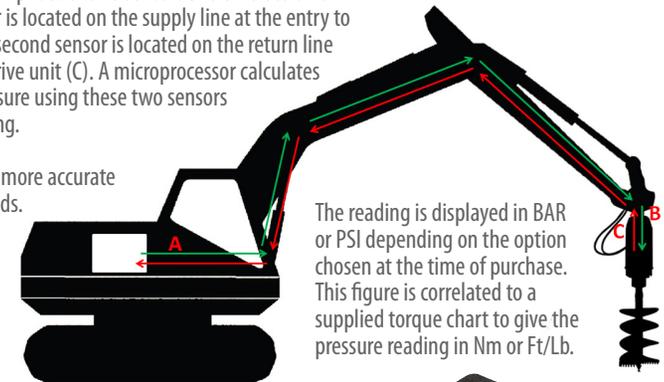


## PRESSURE DIFFERENTIAL GAUGE

**DIFFERENTIAL PRESSURE MEASURES THE DIFFERENCE OF PRESSURE MEASUREMENTS BETWEEN TWO POINTS**

Pressure Differential comprises of two sensors and an electronic display. The first sensor is located on the supply line at the entry to the drive unit (B). The second sensor is located on the return line where oil leaves the drive unit (C). A microprocessor calculates the 'actual usable' pressure using these two sensors and displays this reading.

The reading is 12-15% more accurate than traditional methods.



The reading is displayed in BAR or PSI depending on the option chosen at the time of purchase. This figure is correlated to a supplied torque chart to give the pressure reading in Nm or Ft/Lb.

### FEATURES

- Clear 4-digit 7-segment LED display.
- Accuracy  $\leq \pm 0.5\%$ .
- RS232 interface.
- Voltage supply - 12 .. 32V DC.
- Option for PT100 sensor input or frequency input.
- Optional PSI or BAR display value.



# TORQUE HUB

## MEASURE TORQUE & INCLINATION

Utilizing the same technology as our Torque Logic the Torque Hub it delivers over 99% accurate torque readings. Data is sent over a robust 2.4 GHz RF FHSS signal to the handheld display / datalogger. The Torque Hub measures not only torque, but inclination, RPM and crowd force.

## ACCURATE & EASY TO USE

- 99%+ Accurate Torque Measurement
- In-cab touch 7in screen display

## EXPORT DATA LOGGING RECORDS

- Torque, pile depth, angle, date, time & more
- Additional user-defined export fields

## SIMPLE INSTALLATION

- Replaces Kelly Bar adaptor or mounts directly onto the drive shaft (up to 3in Hex)
- Wireless in-cab display
- Superior design & engineered for tough conditions



**MEASURE**

- ✓ TORQUE
- ✓ INCLINATION
- ✓ RPM
- ✓ CROWD FORCE



# TORQUE SPOOL

## MONITOR AND DATA LOGGER

Utilising the same technology as the Torque hub, the Torque Spool delivers over 99% accurate torque readings. Data is sent over a robust 2.4 GHz RF FHSS signal to the handheld display / datalogger. The Torque Spool measures not only torque, but also inclination. This torque monitoring and data logging device is mounted between the output shaft and drive tool. To suit MD, UD and XD anchor drives (80,000 ft-lbs to 375,000 ft-lbs).

## ACCURATE & EASY TO USE

- 99%+ Accurate Torque Measurement
- In-cab touch 7in screen display

## EXPORT DATA LOGGING RECORDS

- Torque, pile depth, angle, date, time & more
- Additional user-defined export fields

## SIMPLE INSTALLATION

- Mounts between the output shaft and drive tool
- Wireless in-cab display
- Superior design & engineered for tough conditions



# AUGERS & WEARPARTS

## TRUE CUT AUGERS - PREDRILLING, BORED PIERS

DIGGA AUGERS CUT A TRUE SIZED HOLE, NOT AN OVERSIZED HOLE

Building quality augers since 1981, all Digga augers are super heavy duty and feature ideal flight pitches to provide maximum soil removal in all ground conditions. Fitted with a range of high quality wear parts to suit most ground conditions. Ideal for Augering, Pre-Drilling for anchors, Tree planting, Sound Barriers, Foundation drilling and more.

### EARTH AUGERS

(A6, A8)

BLADED TEETH  
EARTH/CLAY/SHALES



### ROCK/COMBINATION AUGER

(RC6, RC8, RC10, RC11)

TAPER TEETH  
(ALL GROUND CONDITIONS)



### ROCK AUGER

(DR4, DR6, DR8, DR11)

ROTATING ROCK PICK TEETH  
(SHALE/FRACTURABLE ROCK)



### WEARPARTS

Digga Wear Parts are cast to the highest quality and utilise premium grade tungsten carbides to ensure maximum wear life.

**CUSTOM BUILDS ARE**

*OUR SPECIALITY*

# EXTENSIONS



## EXTENSIONS

**DIGGA MANUFACTURE A RANGE OF SUPER HEAVY DUTY AUGER EXTENSIONS.**

Digga's drilling extension range is the ultimate in quality and cost effectiveness.

Manufactured by Digga, using only the highest grade materials and strictest quality control. Comprehensive range suited for A4 through to RC11 Augers and fits 2.5", 3" Hex and 4" Square hubs.

*COMPREHENSIVE RANGE OF TELESCOPIC INNER AND OUTER EXTENSIONS AVAILABLE*



**ENGINEERED FOR SUPERIOR STRENGTH AND DURABILITY**



# ACCESSORIES

## DIGGALIGN - INCLINOMETER

### AUGER/PIER ALIGNMENT SYSTEM INDICATES WHEN THE AUGER OR PIER IS STRAIGHT

The New Diggalign Inclinator was developed for contractors where accuracy is key. Ideal for drilling, screw piling, and core barrelling applications.

Designed to show the operator when the top of the pylon/pile/auger is off plumb and helps to maintain accuracy throughout the installation.

#### FEATURES

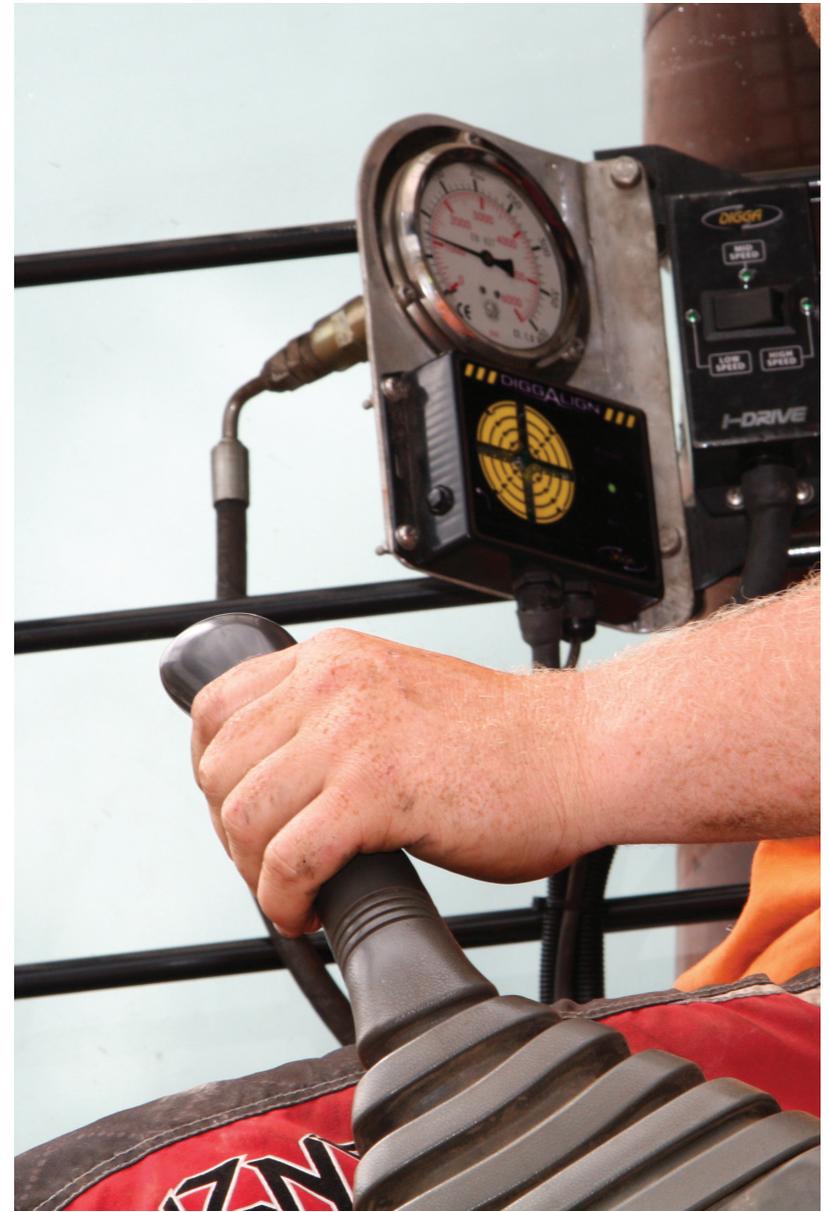
- 2 Options available
  - *Standard definition with increments in 2°, recommended for piles/augers under 13ft*
  - *High definition with increments in 0.5°, recommended for piles/augers over 13ft*
- Can be retrofitted to existing drives
- Increased job site efficiency
- Can be calibrated for angles up to 20°
- Highlights misalignment forward and aft
- Dual supply cable with both 12V and 24V



**MAINTAIN ACCURACY**  
*KEEP IT STRAIGHT!*

#### DIGGALIGN

Length	4.75"
Height	1.37"
Width	3.65"
Overall Length	5.75"



# DOES YOUR EXCAVATOR ONLY HAVE A SINGLE FLOW HAMMER CIRCUIT? NEED AN EASY WAY TO REVERSE YOUR DRIVE?

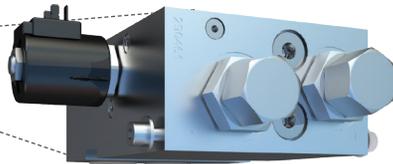
## INTEGRATED VALVE

Flow reversal Valves for easy two way (Bi-Directional) use of your drive unit. Utilizing the one way flow from your hammer circuit, forward and reverse control is obtained via an electrical signal, either 12 or 24volt (different models).

The Digga Flow reversal system has been rated to ensure a low pressure drop for the specific valve and drive unit. (meaning more power to your drive head). Optional electrical wiring kits utilize high quality weatherproof Deutsch connectors for maximum performance & safety on the jobsite.



**THE VALVE IS MOUNTED ON TOP  
OF THE MOTOR OF THE DRIVE UNIT.**



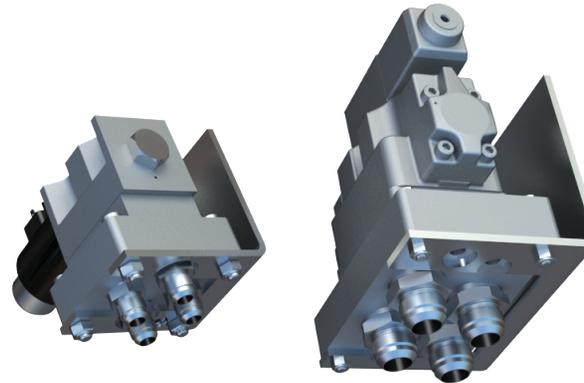
AVAILABLE IN 12 VOLT  
AND 24 VOLT MODELS



## MACHINE MOUNTED VALVES

**MOUNTED ON THE MACHINE'S DIPPER ARM AND PLUMBED  
BETWEEN THE MACHINE'S SINGLE FLOW OUTLET AND DRIVE UNIT.**

Mounted in the operator's preferred position directly to the host machine. Externally mounted 2 Way Valves take the one way flow from your hammer circuit and then utilizing an electrical switch (runs back to the cab) allows for easy forward and reverse control of the drive unit.



TO SUIT EXCAVATORS WITH  
FLOWS UP TO 30GPM

TO SUIT EXCAVATORS WITH  
FLOWS UP TO 80GPM

## FEATURES

- Two models available. For excavators up to 30gpm and up to 80gpm
- Valves come with mounting bracket and fittings - hoses not included
- Utilizes an electrical switch to engage forward and reverse control of the drive unit

## 2 COST EFFECTIVE SOLUTIONS INTEGRATED / MACHINE MOUNTED

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