DIGGA®

SCREW ANCHOR & FOUNDATION DRIVES

MACHINERY ATTACHMENTS NORTH AMERICA

WE ARE DRIVEN TO MAKE YOU SUCCEED

WITH PROVEN EXPERTISE IN PROVIDING MACHINERY ATTACHMENT SOLUTIONS.

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.

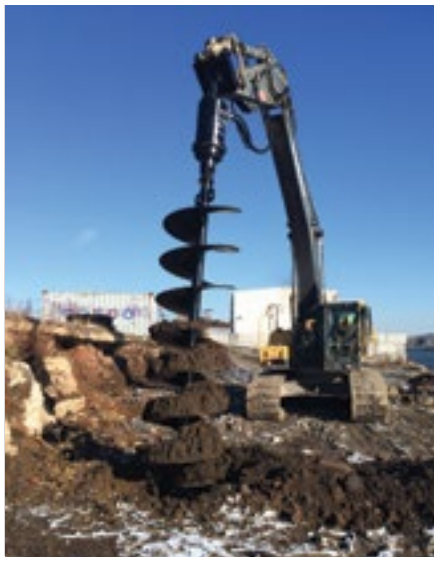
OUR PHILOSOPHY

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

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

THE DIGGA DIFFERENCE

INTEGRATED SOLUTIONS

All valving and hoses are contained inside the hood for optimium effeciency and protection of the equipment.

- Integrated Pressure Relief valve fitted standand 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.

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 Eaton, DIGGA have developed a range of custom hydraulic motors. Utilizing EATON Geroler technology, and integrating the input housing allowed the gearbox sungear direct connection into the motor. Integration of the pressure relief value 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 EATON. The VIS series is 50% more effecient 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.

OUR RANGE

MINI MACHINE 10,000 FT LBS

MODELS	MACHINE (TONS)	TORQUE RANGE FT/LBS	PAGE
MM Drives	UP TO 3.5	10,000	8
Premium Drives	4-30	5,000 - 30,000	9-11
Supa Drives	15-30	30,000 - 70,000	12
Mega Drives	20 - 40	80,000 - 150,000	12
Ultra Drives	30 - 50	140,000 - 230,000	13
Xtreme Drives	45- 80	190,000 - 360,000	13

TO SUIT:

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

HAND HELD

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

HAND HELD

MODEL	HH-6K	MM-10k
Theoretical Torque (ft-lbs)	6,528 @ 2,100psi	10,478 @ 3,000psi
Expected Torque (ft-lbs)	4,765 @ 2,100psi (73% efficiency)	8,040 @ 3,000psi (77% efficiency)
Max Pressure	2,100psi @ 11gpm	3,000psi @ 18.5gpm
Max Flow	15gpm @ 2300psi	18.5gpm @ 3000psi
Max Horse Power	20	33
Pressure Relief Valve	Included	NA
Standard Output Shaft	2″ Hex	2.5″ Hex-Short
Weight (lbs)	90	138
Overall Length (in)	20″	24.1″
Diameter (in)	9.5″	11.4″

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

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.

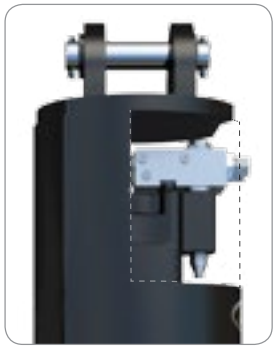
SINGLE SPEED 5,000-30,000 FT LBS

5,000 - 7,000 FT LBS

PREMIUM DRIVES	STD PRESSURE			LOW PRESSURE
MODEL	**5 ADS**	**6 ADS**	**7 ADS**	**7 ALS**
Max Torque (Ft-lbs)	4,553	5,728	7,189	7,166
Motor Type	EATON	EATON	EATON	EATON
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

9,000 - 12,000 FT LBS

STD PRESSURE		LOW PRESSURE	
9 ADS	**12 ADS**	**9 ALS**	**12 ALS**
9,112	11,542	9,893	12,445
EATON	EATON	EATON	EATON
3500 PSI @ 29 GPM		3000 PSI @ 29 GPM	
55 GPM @1800 PSI		55 GPM @ 1800 PSI	
60	60	60	60
INCLUDED	INCLUDED	INCLUDED	INCLUDED
INCLUDED	INCLUDED	INCLUDED	INCLUDED
2.5" Hex	2.5" Hex	2.5" Hex	2.5" Hex
351	351	351	351
37.2	37.2	37.2	37.2
11.4	11.4	11.4	11.4



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

13,000 - 16,000 FT LBS

PREMIUM DRIVES	STD PRESSURE		LOW PRESSURE	
MODEL	**13 ADS**	**16 ADS**	**13 ALS**	**16 ALS**
Max Torque (Ft-lbs)	12,808	16,111	13,810	17,334
Motor Type	EATON	EATON	EATON	EATON
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

20,000 - 30,000 FT LBS

STD PRESSURE			LOW PRESSURE	
20 ADS	**25 ADS**	**30 ADS**	**20 ALS**	**25 ALS**
19,488	24,514	30,771	21,012	26,375
EATON	EATON	EATON	EATON	EATON
3500 PSI @ 33 GPM			3000 PSI @ 33 GPM	
61 GPM @ 1800 PSI			61 GPM @ 1800 PSI	
67	67	67	67	67
INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
100mm Square	100mm Square	100mm Square	100mm Square	100mm Square
637	637	637	637	637
44.9	44.9	44.9	44.9	44.9
14	14	14	14	14

* 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 - 12,000 FT LBS

5,000 - 7,000 FT LBS

PREMIUM DRIVES	STD PRESSURE			LOW PRESSURE
Model	**5 ADT**	**6 ADT**	**7 ADT**	**7 ALT**
Max Torque (Ft-lbs)	4,745	5,847	7,357	7,333
Motor Type	EATON	EATON	EATON	EATON
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

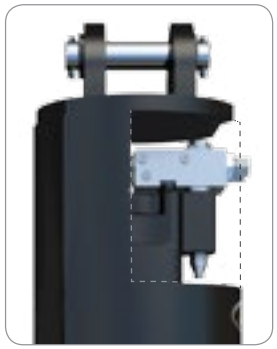
9,000 - 12,000 FT LBS

PREMIUM DRIVES	STD PRESSURE	LOW PRESSURE	
Model	**12 ADT**	**9 ALT**	**12 ALT**
Max Torque (Ft-lbs)	12,028	10,310	12,705
Motor Type	EATON	EATON	EATON
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

TWO SPEED 13,000 - 30,000 FT LBS

13,000 - 16,000 FT LBS

PREMIUM DRIVES	STD PRESSURE		LOW PRESSURE	
MODEL	**13 ADT**	**16 ADT**	**13 ALT**	**16 ALT**
Max Torque (Ft-lbs)	13,347	16,448	14,098	17,739
Motor Type	EATON	EATON	EATON	EATON
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



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	
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	EATON	EATON	EATON	EATON	EATON
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

* 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.

ANCHOR-FOUNDATION DRIVES TO SUIT 15 - 80 TON EXCAVATORS

30,000FT LBS - 70,000FT LBS

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 Flow - Do Not Exceed	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI	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	3,500 PSI @ 100 GPM	3,500 PSI @ 100 GPM
Max Power (hp)	201	201	201	201	201
Motor	Radial Piston	Radial Piston	Radial Piston	Radial Piston	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	100mm Square	100mm Square	100mm Square	100mm Square

80,000FT LBS - 150,000FT LBS

MEGA DRIVES	MD 110	MD 160	MD 190
Max Torque (ft-lbs)	84,873	125,648	147,335
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 Flow - Do Not Exceed	100 GPM @ 3,500 PSI	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	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

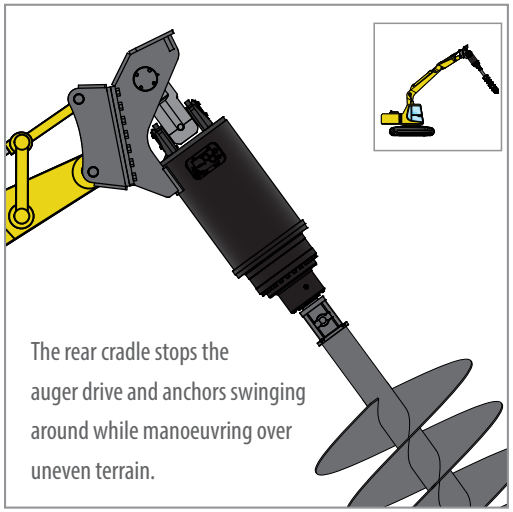
XTREME DRIVES	XD 270	XD 310	XD 410	XD 500
Max Torque (ft-lbs)	192,755	226,025	295,734	356,465
Max Flow - Do Not Exceed	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI	100 GPM @ 3,500 PSI
Max Pressure - Do Not Exceed	3,500 PSI @ 100 GPM	3,500 PSI @ 100 GPM	3,500 PSI @ 100 GPM	3,500 PSI @ 100 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

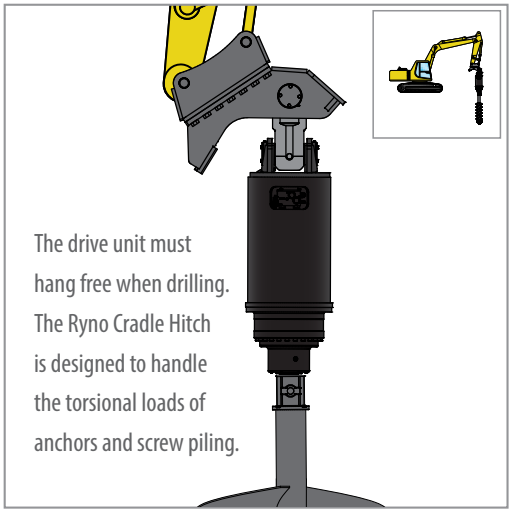
MACHINE MOUNTS

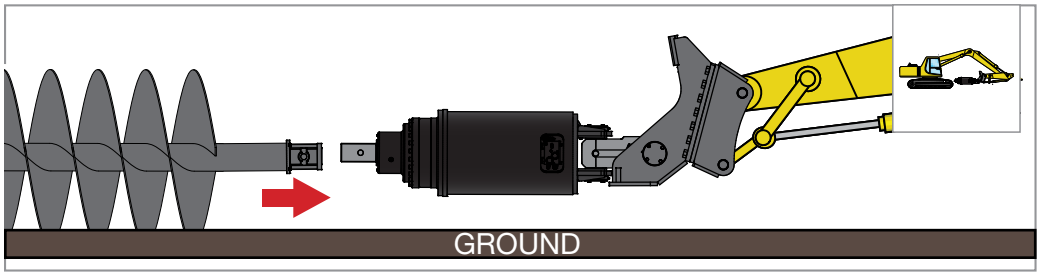
RYNO MOUNT

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.







TPE 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.

EXCAVATOR MOUNTS

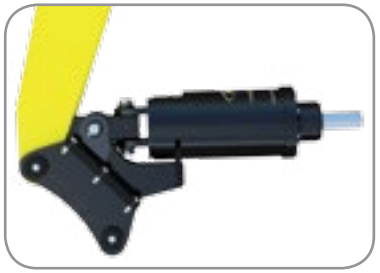
Digga manufactures a range of mounting brackets up to 90t excavators. Configurations include single pin, double pin, fixed and loose pin.

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.

BACKHOE MOUNTS

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



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.

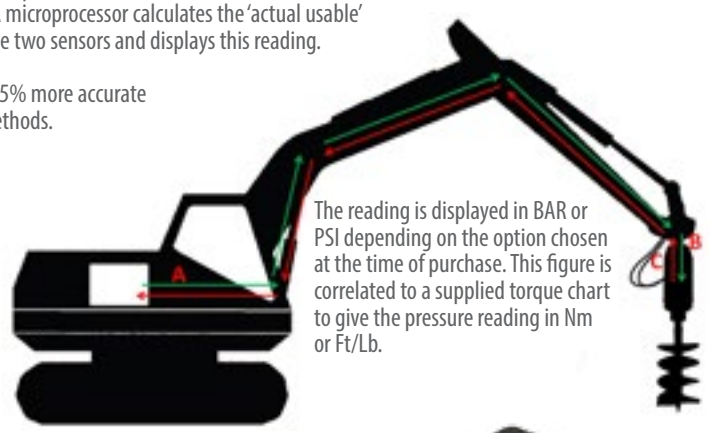
DIGGA OFFER TWO METHODS FOR CALCULATING INSTALLATION TORQUE

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.

MEASUREMENTS	
Control panel housing	96 X 48 X 109
Control panel cut-out (mm) (mm)	92 (+0.8) X 45 (+0.6)
Front panel thickness (mm)	15
Minimum installation depth (mm)	121

TORQUE LOGIC

DIGGA'S TORQUE LOGIC IS A REVOLUTIONARY NEW TORQUE MONITORING AND DATA LOGGING SYSTEM

TORQUE LOGIC OFFERS TRUE TORQUE READINGS THAT ARE 98% ACCURATE!

Torque Logic can be installed by simply replacing your current hood pin with a new load cell pin.
Unlike other systems, there is no loss of boom height.

MORE THAN JUST TORQUE

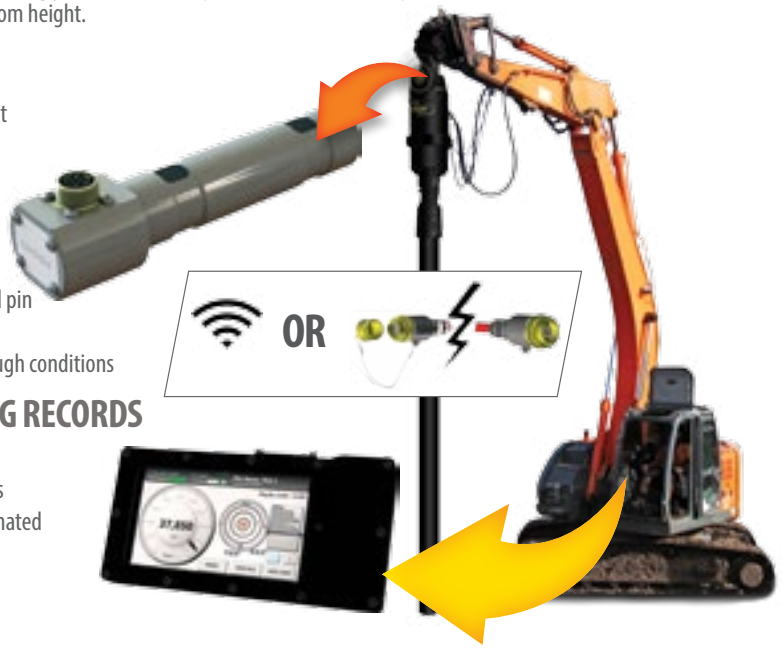
- 99%+ Accurate Torque Measurement
- Alignment indicator
- Data logging
- Wireless /wired display option

SIMPLE INSTALLATION

- Calibrated pin replaces existing hood pin
- In-cab touch 7in screen display
- Superior design & engineered for tough conditions

EXPORTABLE DATA LOGGING RECORDS

- Torque, pile depth, angle, date, time
- Additional user-defined export fields
- Optional laser range finder for automated depth measurement & recording



TORQUE HUB

MEASURE TORQUE, INCLINATION, RPM AND CROWD FORCE

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

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, DR10)
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

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

DIGGALIGN - INCLINOMETER

AUGER/PIER ALIGNMENT SYSTEM

INDICATES WHEN THE AUGER OR PIER IS STRAIGHT

The New Diggalign Inclinometer 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

OVER 30 YEARS OF DESIGN, TESTING

AND MANUFACTURING EXPERIENCE

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