



SOLARIS
QUALITY ATTACHMENTS

48000-80 EARTH DRILL



HIGHLY ENGINEERED AND BUILT TO LAST

The Earth Drill 48000-80 is the perfect choice for excavators between 21-45T, and just like all our planetary drives in our line up they are highly engineered and built to last.

HIGH QUALITY HYDRAULIC MOTORS

Solaris-Auger Torque's huge buying power means we work closely with high quality suppliers to develop the most reliable attachments available on the market today.

EPICYCLIC GEARBOX

Torque is amplified by using the unique Solaris-Auger Torque planetary gearbox. This system allows the motors output torque to be multiplied with extreme efficiency as well as ensuring the durability and reliability you need.



FORGED HOOD EARS

Standard with all Earth Drills in areas that we know will take a lot of strain. All hood pins are locked for extra safety making it impossible for the hood to detach from your hitch.

NON-DISLODGE MENT SHAFT

Unique to Solaris-Auger Torque, the Non-Dislodgement Shaft is a single piece drive shaft assembled top down and locked into the Earth Drill housing. This design guarantees that the shaft will never fall out, making for a safer work environment, not only for the operator but also any surrounding workers, a **MUST-HAVE FEATURE** for any safety conscious company.



www.solarisattachments.com

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48000-80 EARTH DRILL

FEATURES

- ▶ Unique Solaris-Auger Torque planetary gearbox offering high efficiency and extreme durability
- ▶ Single piece drive shaft
- ▶ Large main shaft bearings
- ▶ Heavy duty steel construction
- ▶ Compatible with Solaris-Auger Torques range of Alignment and Torque Monitoring products for **accurate earth drilling applications**
- ▶ Solaris-Auger Torque's industry leading warranty

APPLICATIONS

- ▶ Pre-augering
- ▶ Pole and mast installations
- ▶ Foundation piles
- ▶ Screw pile installations
- ▶ Rail applications
- ▶ Deep hole applications
- ▶ Well boring

SPECIFICATIONS

SUITABLE FOR EXCAVATORS

21 - 45 T

Torque Range: 24,557 - 49,114 ft-lb

Oil Pressure Range: 2321 - 4641 psi

Oil Flow Range: 26.4 - 74.0 gpm

Speed Range: 8 - 21 rpm

Unit Height: 61.26in

Unit Diameter: 15.98in

Unit Weight: 1,058 lbs

OUTPUT SHAFT

4.33in Square
(output shaft adaptors available)

HITCH OPTIONS

Single Pin
Double Pin Cradle

VALVE OPTIONS

2 Way Valve - Converts single acting hammer into a 2 way auxiliary flow



Part of the Solaris Earthmoving range

EARTH DRILLS | AUGERS & WEAR PARTS | MAST-BASED DRILLING RIG | TRENCHERS

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SOLARIS
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EARTH DRILL SERIES 5



SUITABLE FOR 20 - 45 TONNE EXCAVATORS

The Series 5 Earth Drill range is the perfect choice for 20-45T excavators, and just like all our planetary drives in our line up they are highly engineered and built to last.

HIGH QUALITY HYDRAULIC MOTORS

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EPICYCLIC GEARBOX

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FORGED HOOD EARS

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NON-DISLODGE MENT SHAFT

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EARTH DRILL - SERIES 5




Features

- ▶ Unique Solaris-Auger Torque planetary gearbox offering high efficiency and extreme durability
- ▶ Single piece drive shaft
- ▶ Large main shaft bearings
- ▶ Heavy duty steel construction
- ▶ Compatible with Auger Torques range of alignment and Torque Monitoring products for **accurate earth drilling applications.**
- ▶ Covered by Solaris-Auger Torque's industry leading warranty

Applications

- ▶ Pre-augering
- ▶ Pole and mast installations
- ▶ Foundation piles
- ▶ Screw pile installations
- ▶ Rail applications
- ▶ Deep hole applications
- ▶ Well boring

Specifications

				
Model		26000-60	31000-60	48000-80
Carrier Weight	T	20-45	20-45	21-45
Excavators				
Torque Range	ft-lb	15126-26051	18151-31260	24557-49114
Oil Pressure Range	psi	2611-4496	2611-4496	2321-4641
Oil Flow Range	gpm	21-59	21-59	26-80
Speed Range	rpm	11-31	9-26	8-21
Unit Height	inch	56	56	61
Unit Diameter	inch	6	16	16
Unit Weight	lb	974	974	1058
Output Shaft Std	inch	3.94 Square	3.94 Square	3.94 Square
(adaptors available)				

Drilling Performance

		PA	PA	PA
Auger Series				
Auger Diameter*	inch	12-60	12-72	12-96
Drilling Depth*	ft	35-19	38-16	39-13

*Dependent on ground type

HITCH OPTIONS



Single Pin



Double Pin Cradle

EXTRAS



2-Way Valve
Converts single acting hammer into 2-way auxiliary flow



Adaptor Plate



Part of the Solaris-Auger Torque Earthmoving range

EARTH DRILLS | AUGERS & WEAR PARTS | MAST-BASED DRILLING RIG | TRENCHERS | HAMMERS

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SOLARIS
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EARTH DRILLS



WHY SOLARIS-AUGER TORQUE'S EARTH DRILLS ARE THE NUMBER ONE CHOICE

Every day we all aim to deliver the best job possible. It's an ongoing quest for all of us to improve productivity, efficiency and reliability. The tools that we use are paramount to helping us in achieving this. So, when it comes to choosing an earth drill, how do you choose the right supplier and what are you looking for when it comes to choosing?

Solaris-Auger Torque have become world leaders in the design and manufacture of earthmoving attachments and have become instantly recognisable worldwide. Amongst its leading product lines are its earth drills (also known as Auger Drives), the extensive range gives you complete versatility, peace of mind and efficiency. Developed to work with all makes and models of parent machine, and complemented with a range of attachments, you will find an earth drill and attachment for your every need. With the versatility to easily switch between attachments depending on the job at hand, the Solaris-Auger Torque Earth Drill will deliver time and again from fencing to screw pile installation, from tree planting to well boring.

The Solaris-Auger Torque earth drill is built with the end user in mind, working closely with operators and key contractors to develop the best product possible for the demands of today's jobs. They are among the few that are proven to be tough enough and versatile enough to handle the variety of ground conditions across the world.

What's so special about the Solaris-Auger Torque earth drill you ask? I'll break it down for you...

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HIGH QUALITY HYDRAULIC MOTORS

Solaris-Auger Torque will only work with the best manufacturers in the market, meaning the low maintenance hydraulic motors used in the earth drills are of the highest quality and manufacturing standards possible, resulting in optimum performance and long lifetimes.

EPICYCLIC PLANETARY GEARBOX

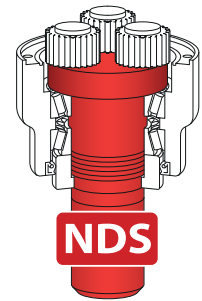
The planetary gearbox system allows the motors output torque to be multiplied with extreme efficiency as well as ensuring the durability and reliability you need. The gearboxes are built to the highest quality, and to be both robust and simple meaning anyone can understand them. This type of gearbox serves to increase the lifespan of the earth drill and optimize performance.

Blue Coloured Oil

An extra feature is the blue coloured gear oil used in the gearbox. This makes fault finding and thus customer support much easier when defining if any leaks are as a result of the gearbox or hydraulic oil from the parent machine.

NON-DISLODGEMENT SHAFT

Unique to Solaris-Auger Torque is the Non-Dislodgement Shaft; a single piece drive shaft assembled top down and locked into the earth drill housing. This design guarantees that the shaft will never fall out, making for a safer work environment, not only for the operator but also for any surrounding workers, a must have for any safety conscious company.



AND FINALLY....

Ultimately, why are the Solaris-Auger Torque Earth Drills so good? Because they have been developed over the last 25 years, refined and improved with new models produced to meet market demands and customer requirements. They are used the world over from Antarctica, to the Middle East, Australia and Europe for applications that include dewatering, research and exploration, fencing, screw piling, landscaping, cable laying, tree planting and so on.

The team at Solaris pride themselves on outstanding customer service and when something isn't available or isn't "off the shelf" the production team can support bespoke, one off specials.

There is a reason why Solaris products are so highly regarded around the world and are unrivalled in the industry. The global dealer network, the extensive research and development that goes into each product and responding to customer need with availability or ad-hoc specials seems to be what gives them the edge in this competitive market.