

AUGER DRIVES EXCAVATOR 18 - 30T (39,700lbs - 66,100lbs)



2-SPEED AUGER DRIVES

TWO SPEED

MODEL	20DDT	25DDT	30DDT
Max Torque ft-lbs @ 3500 Psi	20,309	25,027	31,489
Recommended Flow (Gpm)	20-53	20-53	20-53
Motor Type	EATON	EATON	EATON
Max Pressure - Do Not Exceed	3500psi @ 39gpm		
Max Flow - Do Not Exceed	53gpm @ 2600psi		
Max Horse Power	80	80	80
Pressure Relief Valve	Included	Included	Included
Standard Output Shaft	100mm Square	100mm Square	100mm Square
Recommended Auger	RC10 / RC11	RC10 / RC11	RC10 / RC11
Max Auger Diameter Clay/shale**	60"	60"	60"
Max Auger Diameter Earth**	72"	72"	72"
Weight (lbs)	670	670	670
Overall Length (in)	45.9"	45.9"	45.9"
Diameter (in)	14"	14"	14"

20DDT

GPM	OUTPUT SPEED		PSI	OUTPUT TORQUE	
	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED		HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED
20	11	16	1,000	5,803	3,830
30	16	24	1,500	8,704	5,745
40	21	32	2,000	11,605	7,659
53	28	42	2,500	14,506	9,574
			3,000	17,408	11,489
			3,500	20,309	13,404

25DDT

GPM	OUTPUT SPEED		PSI	OUTPUT TORQUE	
	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED		HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED
20	9	13	1,000	7,151	4,719
30	13	19	1,500	10,726	7,079
40	17	26	2,000	14,301	9,439
53	23	34	2,500	17,876	11,798
			3,000	21,452	14,158
			3,500	25,027	16,518

30DDT

GPM	OUTPUT SPEED		PSI	OUTPUT TORQUE	
	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED		HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED
20	7	10	1,000	8,997	5,938
30	10	15	1,500	13,495	8,907
40	14	21	2,000	17,994	11,876
53	18	27	2,500	22,492	14,845
			3,000	26,991	17,814
			3,500	31,489	20,783

ESSENTIALLY 2 DRIVE UNITS IN ONE

Save time and money by eliminating the need for multiple drive units.

LOW SPEED - HIGH TORQUE

Ideal for drilling with large diameter augers or hard fracturable rock.

HIGH SPEED - LOW TORQUE

Ideal for small diameter augers or softer soils where speed is needed.

Switch to high speed for added spin off speed for clearing larger diameter augers.

FEATURES

- Compact high torque Digga gearbox
- Fitted with high efficiency Eaton VIS motor
- Integrated PRV (Pressure Relief Valve)
- Extreme duty shaft locking system
- Low maintenance with 5 year gear box and 3 year motor warranty



FOR BETTER DRILLING ACCURACY ADD DIGGALIGN (Sold Separately)



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.

(*) Max/min drilling diameter (DIA) dependant on ground conditions. Guide is a recommendation only.

AUGERS TO SUIT 20DDT, 25DDT & 30DDT

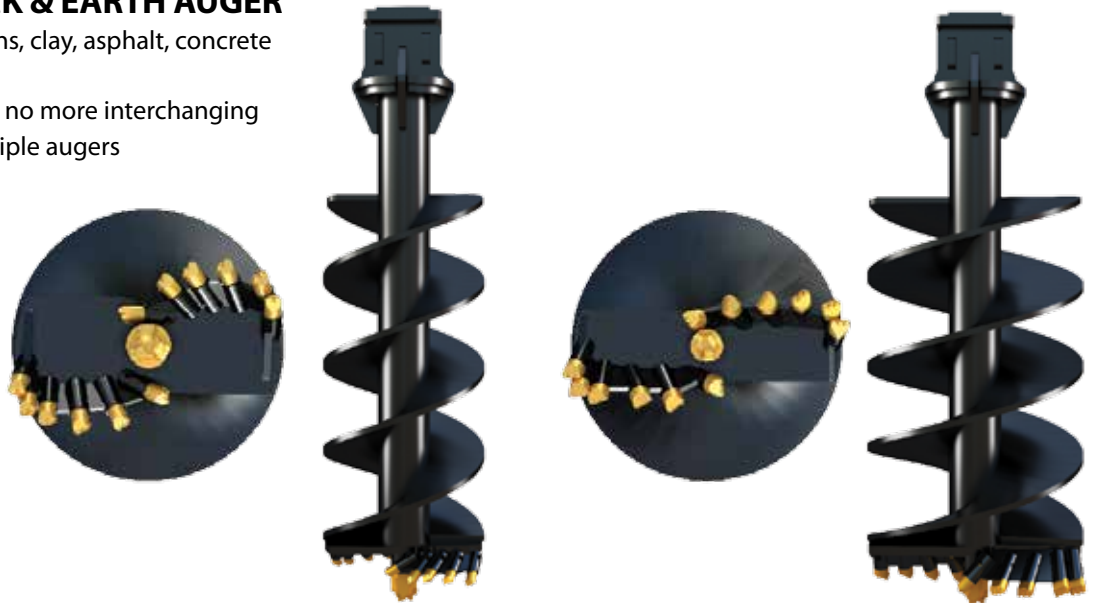


FEATURES

- TRU-CUT – a 12" auger cuts a 12" hole, no more oversized holes!
- Over 30 years of auger design and manufacture has resulted in an extremely efficient cutting head design and optimum flight pitches to provide maximum soil removal in all ground conditions.
- Made in the USA
- Easy knock in and out teeth requires no special tools

COMBINATION ROCK & EARTH AUGER

- Dig holes in earth conditions, clay, asphalt, concrete and fracturable rock
- All purpose cutting heads - no more interchanging cutting heads & using multiple augers
- Available Size, 6" to 60"
- 60" Overall length



SCREW ANCHOR APPLICATIONS

Digga's auger drives can be converted to screw anchor drives in 3 easy steps with the addition of our patented 'Anti Kickback Valve'. The valve controls the rapid decompression of oil which occurs during pile installation. A pile builds up rotational energy, somewhat like a rubber band on a wind up model plane. The pile momentarily kicks back, forcing energy back up the pile through the drive shaft to the gear box, through the hydraulic motor.

This action momentarily causes the motor to effectively turn into a high speed pump, potentially causing costly motor failure. Fitted to the drive manifold, the Anti Kickback Valve controls this release of energy.

Digga's 5 year gearbox and 3 year motor warranty does not allow to auger drives which are used for screw anchoring and not fitted with an Anti Kickback Valve.

EASY FITMENT OF THE OPTIONAL SWOOSH VALVE FOR SCREW ANCHORING APPLICATIONS

① Remove elbow fittings.

② Place washer spacers on the top valve ports of motor. Align valve block with spacers and top valve ports.

③ Screw in bolts through the valve block and top valve ports of motor.

