AUGER DRIVES
EXCAVATOR
13 - 16T (28,700lbs - 35,300lbs)

FEATURES

- Compact high torque Digga manufactured gearbox
- Digga designed Eaton motor with integrated pressure relief valve eliminating the need for bulky valve blocks while reducing many potential leak points
- 2 Piece shaft design ensures maximum side load ratings without increasing load on bearings
- 5 year gear box and 3 year motor warranty / lifetime shaft pull-out warranty
- Over 30 years design and manufacturing experience
- Easily converted to a Screw Anchor Drive with the addition of our patented 'Anti Kickback Valve'

	SINGLE SPEED	
MODEL	**13DDS**	**16DDS**
Torque ft-lbs @ 3000 Psi	10,978	13,810
Max Torque ft-lbs @ 3500 Psi	12,808	16,111
Recommended Flow (Gpm)	26-54	26-54
Motor Type	EATON	EATON
Max Pressure - Do Not Exceed	3500psi @ 33gpm	
Max Flow - Do Not Exceed	61gpm @ 1800psi	
Max Horse Power	67	67
Pressure Relief Valve	Included	Included
Standard Output Shaft	3" Hex	3" Hex
Recommended Auger	A8 / RC8 / RC10	A8 / RC8 / RC10
Max Auger Diameter Clay/shale**	36"	48"
Max Auger Diameter Earth**	60"	60"
Weight (lbs)	370	370
Overall Length (in)	39.6"	39.6"
Diameter (in)	11.4"	11.4"

5 YEARS ★ GEARBOX WARRANTY ★

3 YEARS ★ MOTOR WARRANTY ★

OUTPUT SPEED & TORQUE

13DDS				16DDS			
OUTPUT SPEED		OUTPUT TORQUE		OUTPUT SPEED		OUTPUT TORQUE	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
26	22	1,500	5,489	26	17	1,500	6,905
30	25	1,700	6,221	30	20	1,700	7,825
34	28	1,900	6,953	34	23	1,900	8,746
38	32	2,100	7,685	38	25	2,100	9,667
42	35	2,300	8,417	42	28	2,300	10,587
46	39	2,500	9,149	46	31	2,500	11,508
50	42	2,700	9,880	50	33	2,700	12,429
54	45	2,900	10,612	54	36	2,900	13,349
		3,200	11,344			3,200	14,270
		3,300	12,076			3,300	15,191
		3,500	12,808			3,500	16,111

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.

AUGER DRIVES
EXCAVATOR
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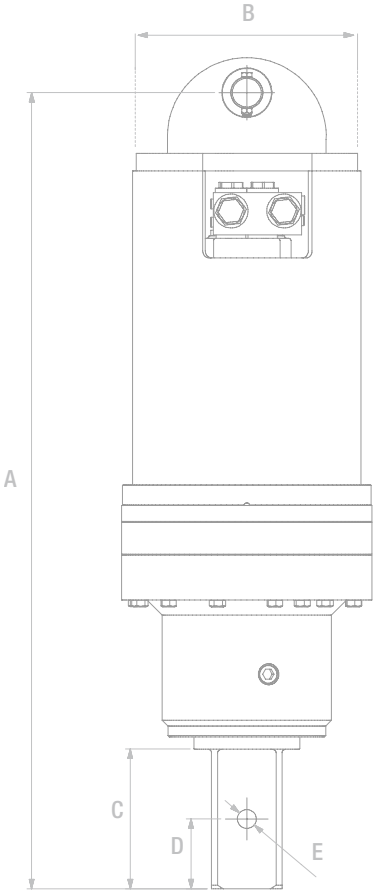
2 SPEED DRIVES

	TWO SPEED	
MODEL	**13DDT**	**16DDT**
Torque ft-lbs @ 3000 Psi	11,441	14,098
Max Torque ft-lbs @ 3500 Psi	13,347	16,448
Recommended Flow (Gpm)	16-53	20-53
Motor Type	EATON	EATON
Max Pressure - Do Not Exceed	3500psi @ 33gpm	
Max Flow - Do Not Exceed	53gpm @ 2200psi	
Max Horse Power	67	67
Pressure Relief Valve	Included	Included
Standard Output Shaft	3" Hex	3" Hex
Recommended Auger	A8 / RC8 / RC10	A8 / RC8 / RC10
Max Auger Diameter Clay/shale**	36"	48"
Max Auger Diameter Earth**	60"	60"
Weight (lbs)	394	394
Overall Length (in)	38.6"	38.6"
Diameter (in)	14.4"	14.4"



OUTPUT SPEED & TORQUE

13DDT						16DDT					
OUTPUT SPEED			OUTPUT TORQUE			OUTPUT SPEED			OUTPUT TORQUE		
GPM	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	PSI	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	GPM	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED	PSI	HI TORQUE LOW SPEED	LO TORQUE HIGH SPEED
16	13	19	1,000	3,814	2,517	20	13	20	1,000	4,699	3,102
26	21	32	1,500	5,720	3,775	30	20	30	1,500	7,049	4,652
36	29	44	2,000	7,627	5,034	40	26	40	2,000	9,399	6,203
46	34	56	2,500	9,534	6,292	53	35	52	2,500	11,749	7,754
53	43	65	3,000	11,441	7,551				3,000	14,098	9,305
			3,500	13,347	8,809				3,500	16,448	10,856

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 13DDS & 16DDS

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

GENERAL PURPOSE AUGER

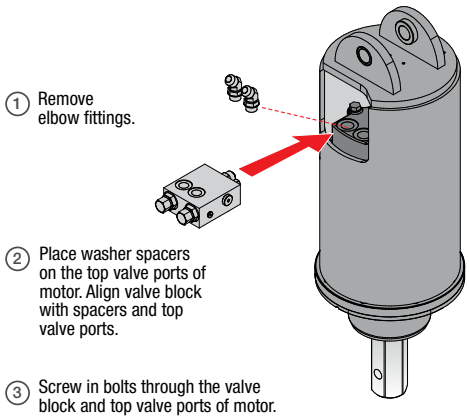
- Dig holes in earth conditions and clay
- Available Size, 6" to 60"
- 60" Overall length
- Earth and Tungsten Teeth Available

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 instilation. 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