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

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	**20DDS**	**25DDS**	**30DDS**
Max Torque ft-lbs @ 3500 Psi	19,488	24,514	30,771
Recommended Flow (Gpm)	26-60	26-60	26-60
Motor Type	EATON	EATON	EATON
Max Pressure - Do Not Exceed		3500psi @ 33gpm	
Max Flow - Do Not Exceed		61gpm @ 1800psi	
Max Horse Power	67	67	67
Pressure Relief Valve	Included	Included	Included
Standard Output Shaft	4" Square	4" Square	4" Square
Recommended Auger	RC10 / RC11	RC10 / RC11	RC10 / RC11
Max Auger Diameter Clay/shale**	60"	60"	60"
Max Auger Diameter Earth**	72"	72"	78"
Weight (lbs)	640	640	640
Overall Length (in)	45.3"	45.3"	45.3"
Diameter (in)	14"	14"	14"

OUTPUT SPEED & TORQUE

20DDS				25DDS				30DDS			
OUTPUT SPEED		**OUTPUT TORQUE**		**OUTPUT SPEED**		**OUTPUT TORQUE**		**OUTPUT SPEED**		**OUTPUT TORQUE**	
GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS	GPM	RPM	PSI	FT-LBS
26	14	1,500	8,352	26	11	1,500	10,506	26	9	1,500	13,188
30	17	1,700	9,466	30	13	1,700	11,907	30	10	1,700	14,946
34	19	1,900	10,579	34	15	1,900	13,308	34	12	1,900	16,704
38	21	2,100	11,693	38	17	2,100	14,709	38	13	2,100	18,463
42	23	2,300	12,807	42	18	2,300	16,109	42	15	2,300	20,221
46	25	2,500	13,920	46	20	2,500	17,510	46	16	2,500	21,979
50	28	2,700	15,034	50	22	2,700	18,911	50	17	2,700	23,738
54	30	2,900	16,147	54	24	2,900	20,312	54	19	2,900	25,496
58	32	3,200	17,261	58	25	3,200	21,713	58	20	3,200	27,254
60	33	3,300	18,375	60	26	3,300	23,113	60	21	3,300	29,013
		3,500	19,488			3,500	24,514			3,500	30,771

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.

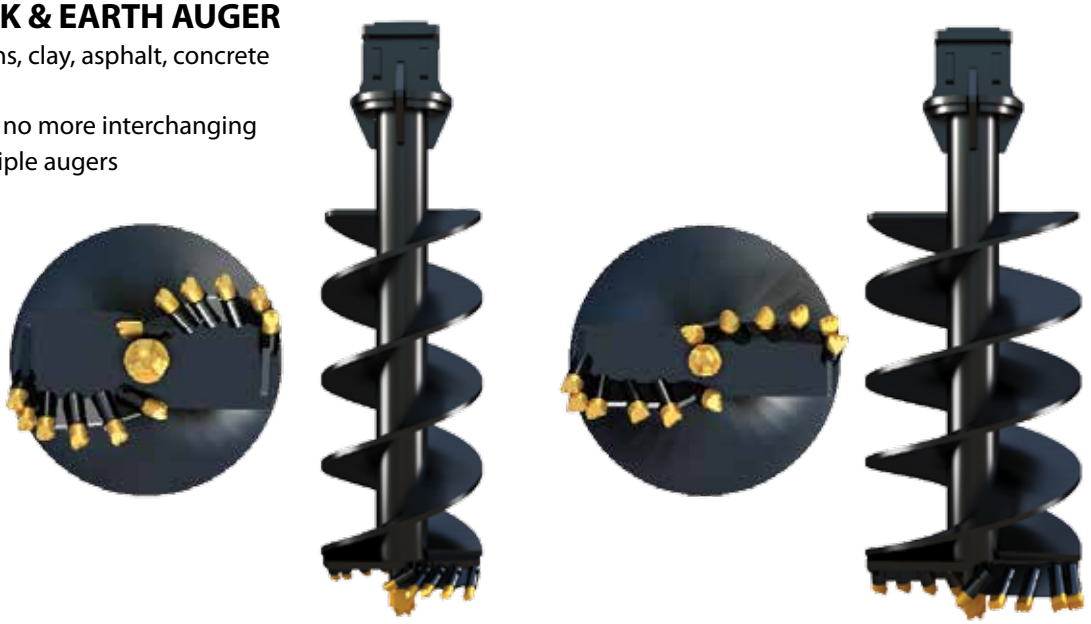
AUGERS TO SUIT 20DDS, 25DDS & 30DDS

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 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