2 SPEED AUGER DRIVES

TELEHANDLER / CRANE TRUCK 30T-60T

2-SPEED AUGER DRIVES

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.

AUGERS TO SUIT (Sold Separately)

- TRU-CUT – a 300mm auger cuts a 300mm hole. No 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.
- Easy knock in and out teeth requires no special tools.

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

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

DEDICATED ROCK AUGER

- Rotating rock picks for shale and fracturable rock
- Heavy duty efficient cutting head for the ultimate rock drilling auger

Model	SD45	SD50	SD70	SD80	SD95
Max Torque (Nm) @ 240 bar	44,333	51,985	68,018	81,986	91,215
Pressure Release Valve	Included	Included	Included	Included	Included
Energy Control Valve	Included	Included	Included	Included	Included
Max Pressure - Do not exceed	240 Bar @ 380 lpm				
Max Flow - Do not exceed	380 lpm @ 240 Bar				
Power - Do not exceed	150 Kw (200 hp)				
Overall Length (mm)	1493	1493	1493	1493	1493
Diameter (mm)	600	600	600	600	600
Weight (kg) - No linkage & hitch	838	836	836	836	843
STD Output Shaft	100mm Square	100mm Square	100mm Square	100mm Square	100mm Square
Recommended Auger Diameter					
Recommended Auger	RC11/DR11	RC11/DR11	RC11/DR11	RC11/DR11	RC11/DR11
Max Auger Dia Fracturable Rock*	1500mm	1500mm	1800mm	1800mm	2000mm
Max Auger Dia Clay/Shale*	1800mm	1800mm	2000mm	2000mm	2200mm
Max Auger Dia Earth*	2000mm	2000mm	2200mm	2200mm	2500mm

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.

v1.02

2 SPEED AUGER DRIVES

EXCAVATOR 20T-50T

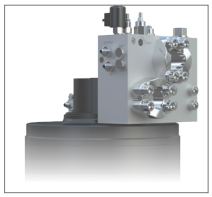
OUTPUT SPEED

Model	SD45		SD50		SD70		SD80		SD95	
FLOW LPM	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed	Hi Torque Low Speed	Low Torque High Speed
100	9	17	7	15	6	11	5	9	4	8
120	10	21	9	18	7	13	6	11	5	10
140	12	24	10	21	8	16	7	13	6	12
160	14	28	12	24	9	18	7	15	7	13
180	16	31	13	26	10	20	8	17	8	15
200	17	34	15	29	11	22	9	19	8	17
220	19	38	16	32	12	25	10	21	9	18
240	21	41	18	35	13	27	11	22	10	20
260	22	45	19	38	15	29	12	24	11	22
280	24	48	21	41	16	31	13	26	12	23
300	26	52	22	44	17	34	14	28	13	25
320	28	55	24	47	18	36	15	30	13	27
340	29	59	25	50	19	38	16	32	14	28
360	31	62	26	53	20	40	17	34	15	30
380	33	66	28	56	21	43	18	35	16	32

OUTPUT TORQUE

Model	SD45		SD50		SD70		SD80		SD95	
PRESSURE BAR	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm	Hi Torque Nm	Low Torque Nm
100	18,472	9,236	21,661	10,830	28,341	14,170	34,161	17,081	38,006	19,003
110	20,319	10,160	23,827	11,913	31,175	15,588	37,577	18,789	41,807	20,904
120	22,167	11,083	25,993	12,996	34,009	17,005	40,993	20,497	45,608	22,804
130	24,014	12,007	28,159	14,079	36,843	18,422	44,409	22,205	49,408	24,704
140	25,861	12,931	30,325	15,162	39,677	19,839	47,825	23,913	53,209	26,604
150	27,708	13,854	32,491	16,245	42,511	21,256	51,242	25,621	57,010	28,505
160	29,556	14,778	34,657	17,328	45,346	22,673	54,658	27,329	60,810	30,405
170	31,403	15,701	36,823	18,412	48,180	24,090	58,074	29,037	64,611	32,305
180	33,250	16,625	38,989	19,495	51,014	25,507	61,490	30,745	68,411	34,206
190	35,097	17,549	41,155	20,578	53,848	26,924	64,906	32,453	72,212	36,106
200	36,945	18,472	43,321	21,661	56,682	28,341	68,322	34,161	76,013	38,006
210	38,792	19,396	45,487	22,744	59,516	29,758	71,738	35,869	79,813	39,907
220	40,639	20,319	47,653	23,827	62,350	31,175	75,154	37,577	83,614	41,807
230	42,486	21,243	49,819	24,910	65,184	32,592	78,570	39,285	87,415	43,707
240	44,333	22,167	51,985	25,993	68,018	34,009	81,986	40,993	91,215	45,608

SCREW ANCHOR APPLICATIONS



Protect your motor with an integrated Energy Control Valve, fitted standard on all SD drives. This revolutionary bypass valve (ECV) is fitted inside the manifold to control the rapid decompression of oil caused by 'pile kick-back' during the screw anchoring process. When the anchor reaches desired torque or depth, the operator stops the drive unit, at this stage the anchor has built up a rotational energy (somewhat like a rubber band on a wind-up model plane). This energy that is stored in the anchor needs to be released before the drive unit is disconnected. The ECV bypasses the stored energy, allowing the anchor to "unwind" in a controlled manner. Without this valve, the pressure contained when holding the pile in place would be forced up the pile and into the drive unit, resulting in potential damage and costly repairs for the motor and gearbox.

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.

v1.02