

AUGER DRIVES SUPA DRIVE 15 - 30T (30,000 ft-lbs - 50,000 ft-lbs)



2-SPEED AUGER DRIVES

Digga's SD45, SD50 and SD70 range of drilling drives are the ultimate in performance, quality and cost effectiveness. Over 30 years of design and development has produced the highest quality range of auger drives on the market today. Completely manufactured and assembled by Digga, using only the highest grade materials and strictest quality control.

Fitted with a radial piston motor with intergrated pressure relief valve and input housing, the innovative design allows the gearbox to go down the hole to maximise drilling depth without extenstions, eliminating downtime and minimizing maintenance - optimizing your returns.

Digga planetary auger drives are specially designed for Excavators for drilling and augering in most ground conditions. Our drives are backed by industry leading warranty and local factory support.

**FOR BETTER DRILLING ACCURACY
ADD DIGGALIGN** (Sold Separately)



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 Radial Piston motor
- Integrated PRV (Pressure Relief Valve)
- Integrated ECV (Energy Control Valve)
- Extreme duty shaft locking system
- Low maintenance with 12 month gear box and motor warranty



MODEL	SUPA DRIVES		
	SD 45	SD 50	SD 70
Nominal Torque (ft-lbs)	32,892	38,569	50,465
Recommended Flow (Gpm)	100 GPM @ 3,500 PSI		
Maximum Pressure - Do Not Exceed	3,500 PSI @100 GPM		
Maximum Horse Power	201	201	201
Motor Type	Radial Piston	Radial Piston	Radial Piston
Pressure Relief Valve	Included	Included	Included
Energy Control 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**	79"	79"	79"
Weight (lbs)	1843	1843	1843
Overall Length (in)	50.9"	50.9"	50.9"
Diameter (in)	23.6"	23.6"	23.6"



AUGER DRIVES SUPA DRIVE 15 - 30T (30,000lbs - 50,000lbs)



OUTPUT SPEED						
GPM	SD45		SD50		SD70	
	HI TORQUE LOW SPD	LO TORQUE HIGH SPD	HI TORQUE LOW SPD	LO TORQUE HIGH SPD	HI TORQUE LOW SPD	LO TORQUE HIGH SPD
8	3	5	2	4	2	3
12	4	8	3	7	3	5
16	5	10	4	9	3	7
20	7	13	6	11	4	9
24	8	16	7	13	5	10
28	9	18	8	16	6	12
32	10	21	9	18	7	14
36	12	23	10	20	8	15
40	13	26	11	22	9	17
44	14	29	12	24	9	19
48	16	31	13	27	10	20
52	17	34	14	29	11	22
56	18	37	16	31	12	24
60	20	39	17	33	13	26
64	21	42	18	36	14	27
68	22	44	19	38	14	29
72	23	47	20	40	15	31
76	25	50	21	42	16	32
80	26	52	22	45	17	34
84	27	55	23	47	18	36
88	29	57	24	49	19	37
92	30	60	26	51	20	39
96	31	63	27	53	20	41
100	33	65	28	56	21	43

OUTPUT TORQUE						
PSI	SD45		SD50		SD70	
	HI TORQUE LOW SPD	LO TORQUE HIGH SPD	HI TORQUE LOW SPD	LO TORQUE HIGH SPD	HI TORQUE LOW SPD	LO TORQUE HIGH SPD
700	6,578	3,289	7,714	3,857	10,093	5,046
800	7,518	3,759	8,816	4,408	11,535	5,767
900	8,458	4,229	9,918	4,959	12,977	6,488
1,000	9,398	4,699	11,020	5,510	14,418	7,209
1,100	10,338	5,169	12,122	6,061	15,860	7,930
1,200	11,277	5,639	13,224	6,612	17,302	8,651
1,300	12,217	6,109	14,326	7,163	18,744	9,372
1,400	13,157	6,578	15,428	7,714	20,186	10,093
1,500	14,097	7,048	16,530	8,265	21,628	10,814
1,600	15,036	7,518	17,632	8,816	23,070	11,535
1,700	15,976	7,988	18,734	9,367	24,511	12,256
1,800	16,916	8,458	19,836	9,918	25,953	12,977
1,900	17,856	8,928	20,938	10,469	27,395	13,698
2,000	18,796	9,398	22,040	11,020	28,837	14,418
2,100	19,735	9,868	23,142	11,571	30,279	15,139
2,200	20,675	10,338	24,244	12,122	31,721	15,860
2,300	21,615	10,807	25,346	12,673	33,163	16,581
2,400	22,555	11,277	26,448	13,224	34,604	17,302
2,500	23,494	11,747	27,550	13,775	36,046	18,023
2,600	24,434	12,217	28,652	14,326	37,488	18,744
2,700	25,374	12,687	29,754	14,877	38,930	19,465
2,800	26,314	13,157	30,856	15,428	40,372	20,186
2,900	27,254	13,627	31,958	15,979	41,814	20,907
3,000	28,193	14,097	33,060	16,530	43,255	21,628
3,100	29,133	14,567	34,162	17,081	44,697	22,349
3,200	30,073	15,036	35,264	17,632	46,139	23,070
3,300	31,013	15,506	36,366	18,183	47,581	23,791
3,500	32,892	16,446	38,569	19,285	50,465	25,232



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.

AUGERS TO SUIT SD45, SD50 & SD70



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 SD Drives are fitted with 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.

