

THE FUTURE OF DRILLING



Digga's range of High Flow 2-Speed planetary drives offers a versatile and powerful solution for foundation boring, post hole drilling, screw piling, and utility applications. Proudly manufactured in Australia, these auger drives are engineered to perform across the diverse and challenging landscapes of global markets.

The innovative combination of components allows for smooth transitions between high torque and high speed, delivering unmatched versatility and efficiency across various tasks. Whether drilling through compacted soil or handling heavy-duty piling work, Digga drives are built to provide the reliability and peak performance that industry professionals trust worldwide.

Dual-speed functionality is like having two drive units in one:

High Speed: Perfect for less demanding tasks or smaller diameter augers, enabling faster operation and increased efficiency.

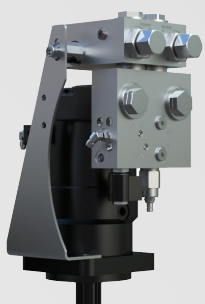
High Torque: Critical for heavy-duty operations or larger diameter augers, delivering the power needed to tackle challenging ground conditions.



INDUSTRY LEADING PERFORMANCE

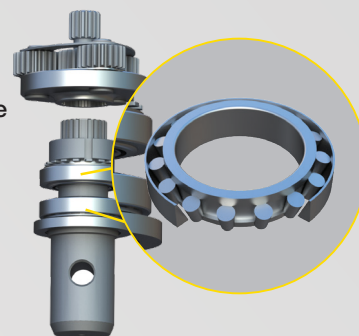
At the core of Digga's 2-speed planetary drives is a Danfoss motor delivering superior efficiency and control.

Combined with Digga's two-speed valve with Pressure relief valve as standard, coupled to the durable Digga gearbox, these drives offer precision, power, and reliability in demanding conditions.



ADVANCED TWO-PIECE SHAFT DESIGN

Digga's gearbox features a two-piece shaft design that isolates the shaft from the planetary carrier, protecting internal gears from pushing, pulling, and side loading forces generated by the host machine. Supported by oversized double-tapered bearings, it efficiently handles axial and side loads. The shaft is backed by a lifetime pull-out warranty.



Digga gearboxes are built tough with a reputation for quality, dependability and over four decades of trusted performance. Our gearboxes are made from precision machined gears using high grade alloy steel, compact design with exceptional power to weight ratio that delivers outstanding performance, reliability and great return on investment.



**AUSTRALIAN
QUALITY**

The gearbox comes with the added peace of mind knowing they have the highest shaft pull out rating in the industry, with heavy duty, custom designed Digga manufactured lock nut.

More Info
→

VERSATILE: Two drives in one.

REPUTATION: A legacy of unwavering quality and reliability.

PERFORMANCE: Exceptional power to speed ratio.

2 PIECE SHAFT: Lifetime warranty on shaft pull out.

AUSTRALIAN MADE: Since 1981.



Model	PDT4HF	PDT6HF	PDT8HF	PDT10HF	PDT12
Max Torque (Nm) @ 240 bar**	4,709	5,796	7,933	10,016	11,646
Recommended Flow (lpm)**	40-120	40-150	40-150	40-150	40-180
Motor Type	GEROLER				
Max Pressure - Do not exceed**	240 bar @ 150 lpm				
Max Flow - Do not exceed**	180 lpm @ 200 bar				
Max Continuous Power**	60 kW (80 hp)				
Pressure Relief Valve	Included				
Energy Control Valve	Optional				
Case Drain Required	Optional	Optional	Yes	Yes	Yes (Included)
Standard Output Shaft	75mm Sq	75mm Sq	75mm Sq	75mm Sq	75mm Sq
Weight (kg)	134	134	165	165	165
Overall Length (mm)	820	820	952	952	952
Diameter (mm)	340	340	340	340	340
HALO Available	Optional				
Recommended Auger	6 Series	6 Series	8 Series	8 Series	8 Series
Max Auger Diameter Fracturable Rock*	750	900	1,000	1,000	1,000
Max Auger Diameter Clay/shale (mm)*	750	900	1,000	1,000	1200
Max Auger Diameter Earth (mm)*	1,000	1,200	1,200	1,500	1600

OUTPUT SPEED (RPM)

PDT4HF			PDT6HF			PDT8HF			PDT10HF			PDT12		
Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)
40	33	50	40	27	40	40	19	29	40	15	23	40	13	20
50	41	62	50	33	50	50	24	37	50	19	29	50	17	25
60	49	74	60	40	60	60	29	44	60	23	35	60	20	30
70	57	87	70	46	70	70	34	51	70	27	41	70	23	35
80	65	99	80	53	80	80	39	59	80	31	47	80	27	40
90	74	112	90	60	91	90	44	66	90	35	53	90	30	45
100	82	124	100	66	101	100	48	73	100	39	58	100	33	50
110	90	136	110	73	111	110	53	81	110	42	64	110	36	55
120	98	149	120	80	121	120	58	88	120	46	70	120	40	60
130			130	86	131	130	63	96	130	50	76	130	43	65
140			140	93	141	140	68	103	140	54	82	140	46	70
150			150	100	151	150	73	110	150	58	88	150	50	75
160			160			160			160			160	53	80
170			170			170			170			170	56	85
180			180			180			180			180	60	90

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.

OUTPUT TORQUE (NM)

PDT4HF			PDT6HF			PDT8HF			PDT10HF			PDT12		
Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)
90	1,756	1,167	90	2,161	1,443	90	2,958	1,974	90	3,734	2,492	90	4,342	2,898
100	1,951	1,297	100	2,401	1,603	100	3,287	2,194	100	4,149	2,769	100	4,825	3,220
110	2,146	1,426	110	2,641	1,763	110	3,615	2,413	110	4,564	3,046	110	5,307	3,542
120	2,341	1,556	120	2,882	1,923	120	3,944	2,633	120	4,979	3,323	120	5,790	3,864
130	2,536	1,686	130	3,122	2,084	130	4,273	2,852	130	5,394	3,600	130	6,272	4,186
140	2,731	1,815	140	3,362	2,244	140	4,601	3,071	140	5,809	3,877	140	6,755	4,508
150	2,927	1,945	150	3,602	2,404	150	4,930	3,291	150	6,224	4,153	150	7,237	4,830
160	3,122	2,075	160	3,842	2,565	160	5,259	3,510	160	6,639	4,430	160	7,720	5,152
170	3,317	2,204	170	4,082	2,725	170	5,587	3,729	170	7,054	4,707	170	8,202	5,474
180	3,512	2,334	180	4,322	2,885	180	5,916	3,949	180	7,469	4,984	180	8,685	5,796
190	3,707	2,464	190	4,562	3,045	190	6,245	4,168	190	7,884	5,261	190	9,167	6,118
200	3,902	2,593	200	4,803	3,206	200	6,573	4,388	200	8,299	5,538	200	9,650	6,439

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