



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:

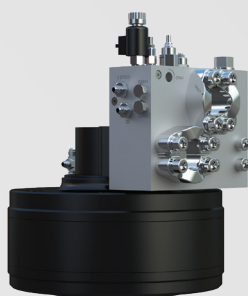
High Speed: Perfect for less demanding tasks or smaller diameter augers, enabling faster operation and increased efficiency.

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



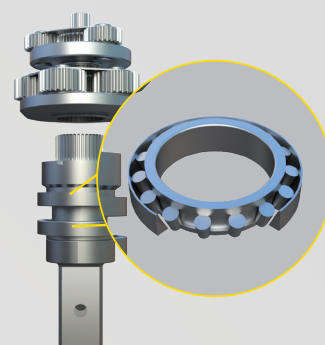
INDUSTRY LEADING PERFORMANCE

The high-performance, high efficiency radial piston motor enables the drive to handle up to 150kW of hydraulic power, delivering exceptional torque output and consistent performance under load. Designed for durability and precision, this motor ensures reliable operation in the most demanding augering and screw piling applications.



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.

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	PDT18	PDT22
Max Torque (Nm) @ 240 bar**	18,516	22,789
Recommended Flow (lpm)**	40-180	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	Required	
Standard Output Shaft	75mm Sq	75mm Sq
Weight (kg)	189	190
Overall Length (mm)	979	979
Diameter (mm)	340	340
HALO Available	Optional	
Recommended Auger	8 Series	8 Series
Max Auger Diameter Fracturable Rock*	1,200	1,500
Max Auger Diameter Clay/shale (mm)*	1,200	1,500
Max Auger Diameter Earth (mm)*	1,600	1,600

OUTPUT SPEED (RPM)

PDT18			PDT22		
Flow (LPM)	Low (RPM)	High (RPM)	Flow (LPM)	Low (RPM)	High (RPM)
40	8	13	40	7	10
50	10	16	50	8	13
60	13	19	60	10	15
70	15	22	70	12	18
80	17	25	80	14	20
90	19	28	90	15	23
100	21	32	100	17	26
110	23	35	110	19	28
120	25	38	120	20	31
130	27	41	130	22	33
140	29	44	140	24	36
150	31	47	150	25	38
160	33	51	160	27	41
170	35	54	170	29	44
180	38	57	180	30	46

OUTPUT TORQUE (NM)

PDT18			PDT22		
Pressure (Bar)	Low (Nm)	High (Nm)	Pressure (Bar)	Low (Nm)	High (Nm)
90	6,904	4,610	90	8,497	5,672
100	7,671	5,122	100	9,441	6,302
110	8,438	5,634	110	10,385	6,932
120	9,205	6,146	120	11,329	7,562
130	9,972	6,658	130	12,273	8,192
140	10,739	7,171	140	13,218	8,823
150	11,506	7,683	150	14,162	9,453
160	12,273	8,195	160	15,106	10,083
170	13,040	8,707	170	16,050	10,713
180	13,808	9,219	180	16,994	11,343
190	14,575	9,731	190	17,938	11,974
200	15,342	10,244	200	18,882	12,604
210	16,109	10,756	210	19,826	13,234
220	16,876	11,268	220	20,770	13,864
230	17,643	11,780	230	21,714	14,494
240	18,516	12,363	240	22,789	15,212

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.

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