



THE FUTURE OF DRILLING

Digga's series of compact planetary drives form a comprehensive portfolio for the foundation boring, post hole drilling, and utility markets. Digga auger drives are manufactured right here in Australia, specifically for the diverse world-wide landscape.

The **PD (Premium Drive)** range of drilling drives has been the workhorse of the industry, featuring innovative designs and advanced features that keep it ahead of the game. With unique, ground-breaking advancements like the Digga Bell motor—engineered specifically for our attachments and utilizing Geroler technology by Danfoss, these drives deliver unmatched performance, efficiency, and reliability, setting the standard for drilling solutions worldwide.



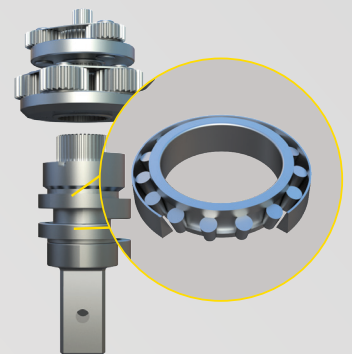
INDUSTRY LEADING PERFORMANCE

By utilising the Danfoss Bell motor, the auger drive will accept 25kW of power, with a max pressure of 240bar (at 60lpm), delivering exceptional power-to-speed ratio when coupled with the industry leading Digga planetary gearbox.



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.

REPUTATION: A legacy of unwavering quality and reliability.

PERFORMANCE: Exceptional Power to Weight Ratio.

EFFICIENCY: Fewer moving parts, increased efficiency.

2 PIECE SHAFT: Lifetime warranty on shaft pull.

AUSTRALIAN-MADE QUALITY: Since 1981



MODEL	PDX2	PD3	PD4	PD5	PD6
Max Torque (Nm) @ 240 bar**	2,336	3,577	4,454	5,157	5,649
Recommended Flow Range (lpm)**	30-50	45-75	55-85	60-95	70-115
Motor Type	2k Geroler				
Max Pressure - Do not exceed**	240 bar @ 63lpm				
Max Flow - Do not exceed**	95lpm @ 158 bar		115lpm @ 130 bar		
Max Power - Flow Pressure Combined	25 kW (34 hp)				
Pressure Relief Valve	OPTIONAL				
Energy Control Valve	N/A				
Case Drain Required	NOT REQUIRED				
Standard Output Shaft	65mm Rnd	65mm Rnd	65mm rnd / 75mm Sq	75mm Sq	75mm Sq
Weight (kg)	45	57	58	67	89
Overall Length (mm)	557	579	579	579	730
Diameter (mm)	187	240	240	240	240
HALO Available	Optional				
Recommended Auger	4 Series	4 Series	6 Series	6 Series	6 Series
Max Auger Diameter Fracturable Rock*	450	600	750	900	900
Max Auger Diameter Clay/shale (mm)*	450	600	750	900	900
Max Auger Diameter Earth (mm)*	600	750	900	1,000	1,000

OUTPUT TORQUE (NM)

PDX2		PD3		PD4		PD5		PD6	
BAR	NM	BAR	NM	BAR	NM	BAR	NM	BAR	NM
120	1,162	120	1,779	120	2,215	120	2,564	120	2,809
140	1,355	140	2,075	140	2,584	140	2,992	140	3,277
160	1,549	160	2,372	160	2,953	160	3,419	160	3,745
180	1,743	180	2,668	180	3,322	180	3,846	180	4,213
200	1,936	200	2,965	200	3,691	200	4,274	200	4,682
220	2,130	220	3,261	220	4,060	220	4,701	220	5,150
240	2,336	240	3,577	240	4,454	240	5,157	240	5,649

OUTPUT SPEED (RPM)

PDX2		PD3		PD4		PD5		PD6	
LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM
30	50	45	49	55	47	60	45	70	48
35	58	50	54	60	52	65	48	75	51
40	66	55	59	65	56	70	52	80	55
45	75	60	65	70	60	75	56	85	58
50	83	65	70	75	64	80	59	90	61
		70	75	80	69	85	63	95	65
		75	81	85	73	90	67	100	68
						95	70	105	72
								110	75
								115	79

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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