FRONT MOUNTED AUGER DRIVES FOR TRACTOR

DIGGA



THE FUTURE OF DRILLING

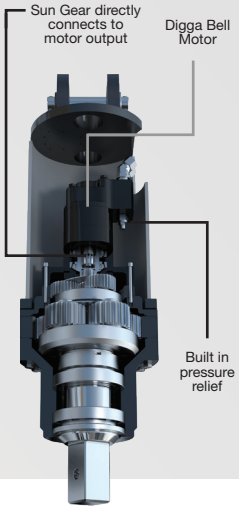
Digga's series of high-powered compact planetary drives form a comprehensive portfolio for the foundation boring, post hole drilling, and utility markets. Digga auger drives are manufactured right here in Australia, specifically for the diverse world-wide landscape.

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.

HALO
AVAILABLE ON THESE DRIVES

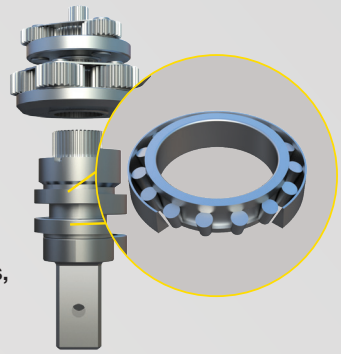
INDUSTRY LEADING PERFORMANCE

Innovative tech, such as the Digga Bell motor by Danfoss, eliminates the need for additional connection points and a sun gear adapter. This results in greater efficiency and a more compact drive design, available in both standard-flow and high-flow models (PD3 and up). The Digga/Danfoss Bell motor sets a new benchmark for performance and reliability.



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.



BUILT TOUGH

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

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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





This series of drives is incredibly compact yet remarkably powerful, delivering exceptional performance for its size. Offering the best value in its class, it sets a new benchmark for efficiency and capability in compact drive technology. With exceptional output torque for its size, it integrates seamlessly with your micro excavator. Proof that great things come in small packages, its lightweight and compact design minimizes lift capacity loss, maximizing productivity and enhancing project efficiency.

MODEL	PDD	PDX	PDX2	PD3	PD4
Max Torque (Nm) @ 240 bar**	1,172	1,738	2,336	3,577	4,454
Recommended Flow (lpm)**	15-45	20-50	30-50	45-75	55-85
Motor Type	Danfoss 2K Bell				
Max Pressure - Do not exceed**	240 bar @ 63 lpm				
Max Flow - Do not exceed**	95 lpm @ 158 bar			115 lpm @ 130 bar	
Max Continuous Power**	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	65mm Rnd	75mm Sq
Weight (kg)	41	45	45	57	58
Overall Length (mm)	500	557	557	579	579
Diameter (mm)	187	187	187	240	240
HALO Available	Optional				
Recommended Auger	4 Series	4 Series	4 Series	4 Series	6 Series
Max Auger Diameter Fracturable Rock*	N/A	450	450	600	600
Max Auger Diameter Clay/shale (mm)*	400	450	450	600	750
Max Auger Diameter Earth (mm)*	500	600	600	750	900

OUTPUT SPEED (RPM)

PDD		PDX		PDX2		PD3		PD4	
LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM
15	49	20	44	30	50	45	49	55	47
20	66	25	55	35	58	50	54	60	52
25	82	30	66	40	66	55	59	65	56
30	98	35	77	45	75	60	65	70	60
35	115	40	88	50	83	65	70	75	64
40	131	45	99			70	75	80	69
45	148	50	110			75	81	85	73

OUTPUT TORQUE (NM)

PDD		PDX		PDX2		PD3		PD4	
BAR	NM	BAR	NM	BAR	NM	BAR	NM	BAR	NM
120	583	120	864	120	1,162	120	1,779	120	2,215
140	680	140	1,009	140	1,355	140	2,075	140	2,584
160	777	160	1,153	160	1,549	160	2,372	160	2,953
180	874	180	1,297	180	1,743	180	2,668	180	3,322
200	971	200	1,441	200	1,936	200	2,965	200	3,691
220	1,068	220	1,585	220	2,130	220	3,261	220	4,060
240	1,172	240	1,738	240	2,336	240	3,577	240	4,454

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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