

THE FUTURE OF DRILLING

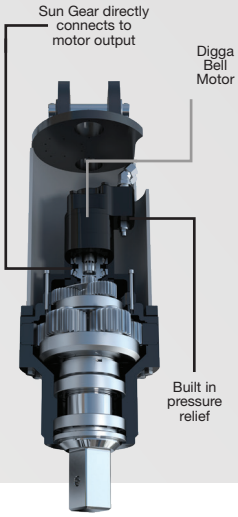
Digga's series of high-powered compact planetary drives form a comprehensive portfolio for the foundation boring, post hole drilling, screw piling and utility markets. Digga auger drives are manufactured right here in Australia, specifically for the diverse world-wide landscape.

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

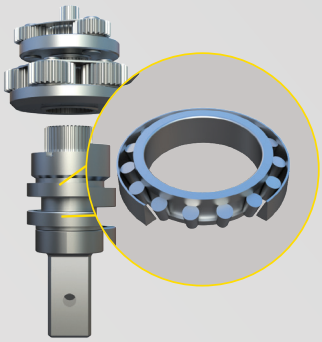
INDUSTRY LEADING PERFORMANCE

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. 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

EXCAVATOR 10T - 20T

DIGGA

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	PD12	PD15	PD18	PD22	PD25
Max Torque (Nm) @ 240 bar**	11,297	13,665	17,290	21,752	26,315
Recommended Flow (lpm)**	120-230	120-230	120-230	120-230	120-230
Motor Type	Danfoss 6K Bell				
Max Pressure - Do not exceed**	240 bar @ 125 lpm				
Max Flow - Do not exceed**	230 lpm @ 130 bar				
Max Continuous Power**	50 kW (67 hp)				
Pressure Relief Valve	INCLUDED				
Energy Control Valve	OPTIONAL				
Case Drain Required	NOT REQUIRED				
Standard Output Shaft	75mm Sq	75mm Sq	75mm Sq	75mm Sq	100mm Sq
Weight (kg)	149	176	176	176	300
Overall Length (mm)	950	1,006	1,006	1,006	1,152
Diameter (mm)	290	290	290	290	355
HALO Available	OPTIONAL				INCLUDED
Recommended Auger	8 Series	8 Series	8 Series	8 Series	10 / 11 Series
Max Auger Diameter Fracturable Rock*	1,200	1,200	1,500	1,500	1,500
Max Auger Diameter Clay/shale (mm)*	1,200	1,200	1,500	1,500	1,500
Max Auger Diameter Earth (mm)*	1,600	1,600	1,600	1,600	1,800

OUTPUT SPEED (RPM)

PD12		PD15		PD18		PD22		PD25	
LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM	LPM	RPM
120	41	120	33	120	26	120	21	120	17
130	44	130	36	130	28	130	22	130	19
140	47	140	39	140	30	140	24	140	20
150	51	150	41	150	33	150	26	150	22
160	54	160	44	160	35	160	28	160	23
170	58	170	47	170	37	170	29	170	25
180	61	180	50	180	39	180	31	180	26
190	64	190	52	190	41	190	33	190	28
200	68	200	55	200	43	200	34	200	29
210	71	210	58	210	46	210	36	210	31
220	75	220	61	220	48	220	38	220	32
230	78	230	63	230	50	230	40	230	33

OUTPUT TORQUE (NM)

PD12		PD15		PD18		PD22		PD25	
BAR	NM	BAR	NM	BAR	NM	BAR	NM	BAR	NM
120	5,618	120	6,795	120	8,598	120	10,817	120	13,082
140	6,554	140	7,928	140	10,031	140	12,619	140	15,262
160	7,490	160	9,060	160	11,464	160	14,422	160	17,443
180	8,427	180	10,193	180	12,897	180	16,225	180	19,623
200	9,363	200	11,325	200	14,330	200	18,028	200	21,803
220	10,299	220	12,458	220	15,763	220	19,830	220	23,984
240	11,297	240	13,665	240	17,290	240	21,752	240	26,315

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.

v1.01