

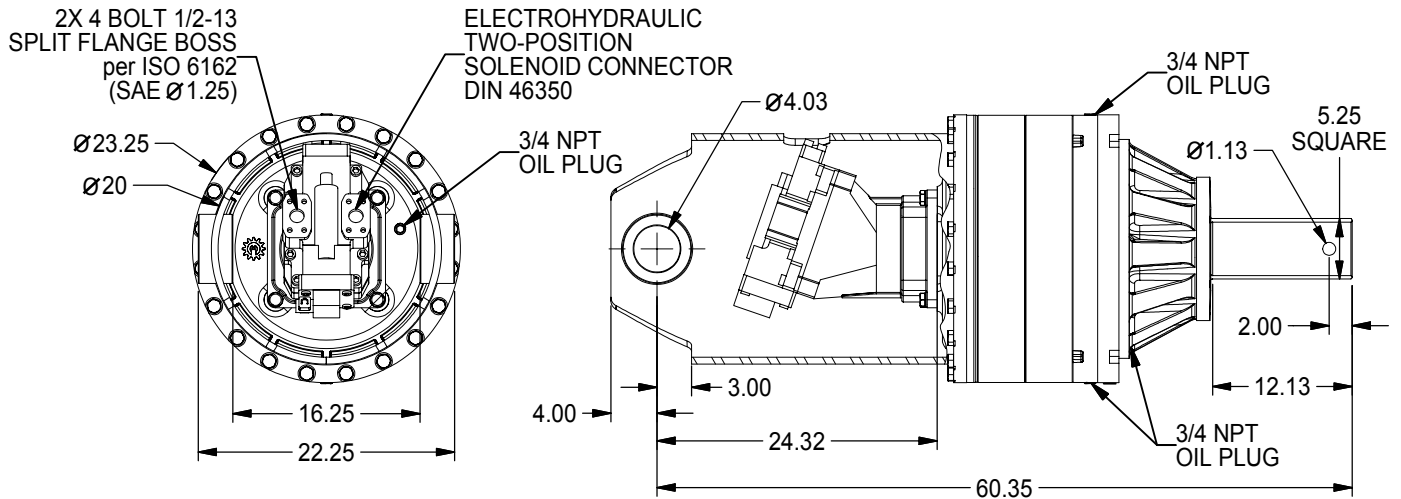


D1000 Series DiggerDrive

83,000 FT-LB TORQUE

Data Sheet PSD1000QD_3_10

Series D1000 heavy-duty planetary digger drive is ideal for construction, anchor setting, and the utility digger markets. This digger is available in a single ratio and can be purchased with or without a motor. Eskridge has over 25 years of experience in the manufacture of DiggerDrives™.



HEAVY DUTY, HIGH EFFICIENCY, COMPOUND PLANETARY DRIVE
SHAFT SIDE LOADING NOT RECOMMENDED.

TECHNICAL SPECIFICATIONS

MOTOR MOUNT OPTIONS: SAE "E" 4-BOLT
MOTOR OPTION: TWO SPEED BENT AXIS PISTON MOTOR WITH AXIAL PORTS
OPTIONAL MOTOR PART NUMBER: 01-304-0970
MOTOR RECOMMENDATIONS: 230 CC MAX, 75 CC MIN AT 5000 PSI AND 60 GPM
RATED OUTPUT TORQUES: TO 83,000 ft-lb (112,530 N-m)
MAXIMUM INPUT SPEED: 3000 rpm
OUTPUT SHAFT: 5.25 in (133.4 mm) SQUARE
SHAFT PULL-OUT: 50,000 lb (22,700 kg)
PRESSURE LOAD: 95,000 lb (43,080 kg)
OIL CAPACITY: 6.75 gal (25.6 L)
BAIL BOSS DIAMETER: 4.02 in (102.1 mm)
WEIGHT: 1,800 lb (820 kg) WITHOUT MOTOR

For more information regarding Planetary Diggerdrives and other innovative products, feel free to contact us at:



1900 Kansas City Road • Olathe, Kansas 66061 • USA

PHONE: (913) 782-1238 • FAX: (913) 782-4206

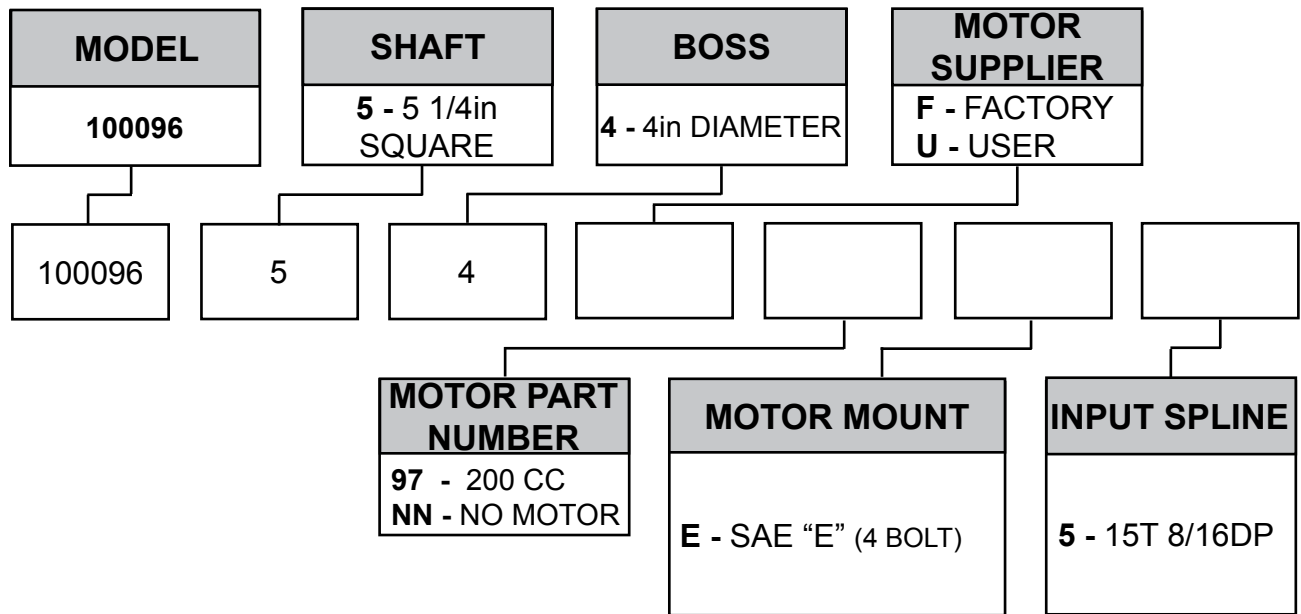
WEBSITE: www.eskridgeinc.com • E-MAIL: sales@eskridgeinc.com

Technical Data

MODEL	GEAR RATIO	MOTOR CODE	MOTOR PRESSURE	FLOW	RATED TORQUE / SPEED	
					HIGH SPEED	LOW SPEED
100096	96.0:1	97	5,000 psi (345 bar)	60 gpm (227 l/min)	26,200 ft-lb (35,520 N-m) / 32 rpm	83,300* ft-lb (112,940 N-m) / 10 rpm

*MAXIMUM INTERMITTENT VALUE.

- STARTING TORQUES ARE APPROXIMATELY 25% LESS THAN RUNNING TORQUE.
- SYSTEM BACK PRESSURE WILL REDUCE THE RUNNING TORQUES PROPORTIONALLY.
- BACK PRESSURE SHOULD BE LIMITED TO 100 psi (6,9 bar).
- HIGH ALLOY HEAT TREATED BAIL BOSS PINS REQUIRED (CUSTOMER PROVIDED).



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