

BISON
Gear & Engineering Corp.

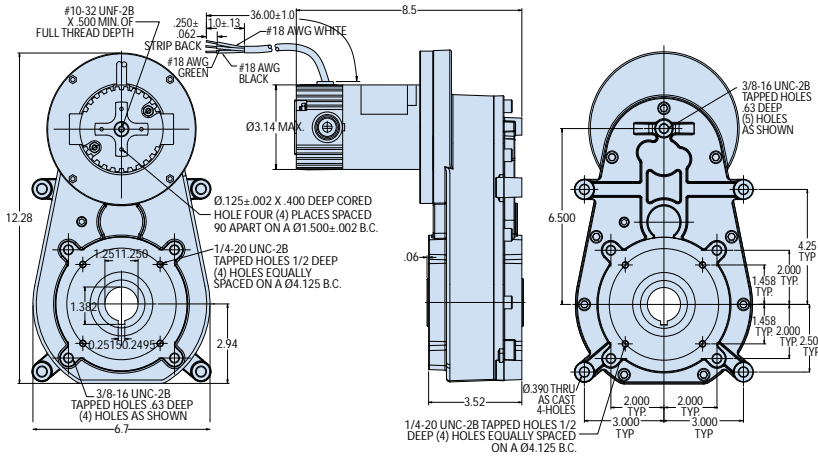


762

762 Series
Hollow Shaft
Offset Gearmotors

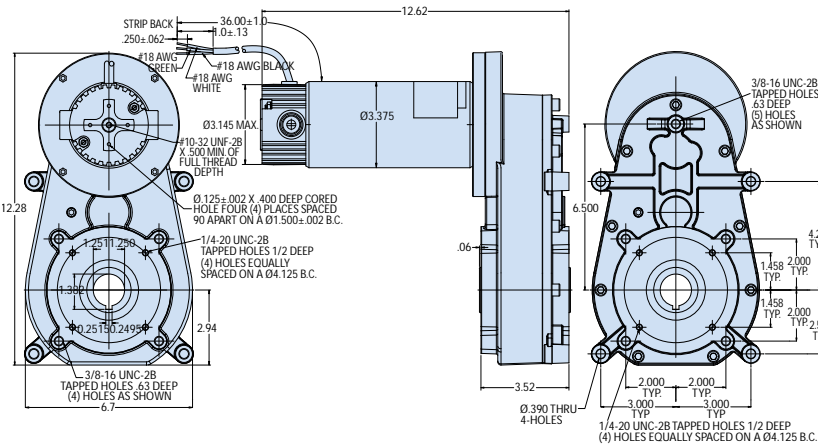
www.bisongear.com
1-800-AT-BISON

FlexTorq
Gearmotor Series



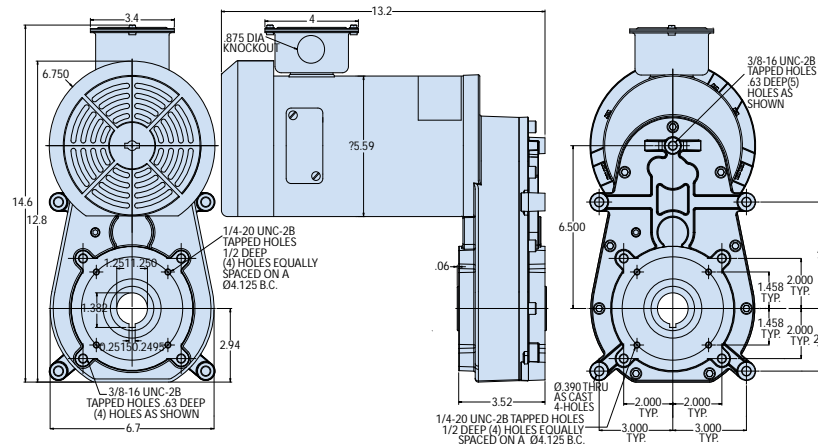
1/20 Hp 90VDC 1 - 4 RPM

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Volts DC	Amps
011-762-2264	1.2	1335	1/20	1263.6	90	0.6
011-762-2736	2.2	755	1/20	736.0	90	0.6
011-762-2418	4	515	1/20	418.0	90	0.6



1/4 Hp 90VDC 7 - 12 RPM

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Volts DC	Amps
011-762-3267	7	1805	1/4	267.7	90	2.5
011-762-3150	12	1075	1/4	152.2	90	2.5



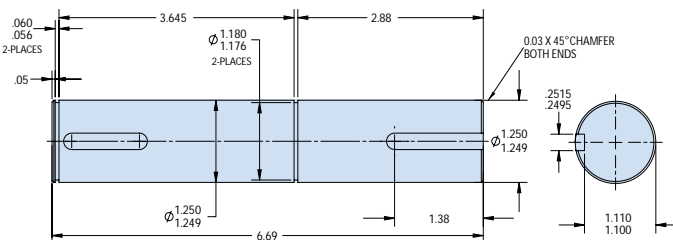
1/2 Hp 90VDC 18 - 65 RPM

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Volts DC	Amps
011-762-4100	18	1330	1/2	99.4	90	5.5
011-762-4078	23	1050	1/2	78.5	90	5.5
011-762-4055	32	775	1/2	55.5	90	5.5
011-762-4028	65	427	1/2	27.9	90	5.5



762 Output Shaft

P108-762-1250 (Includes Keys and Retaining Rings)



Visit Bison at:
www.bisongear.com

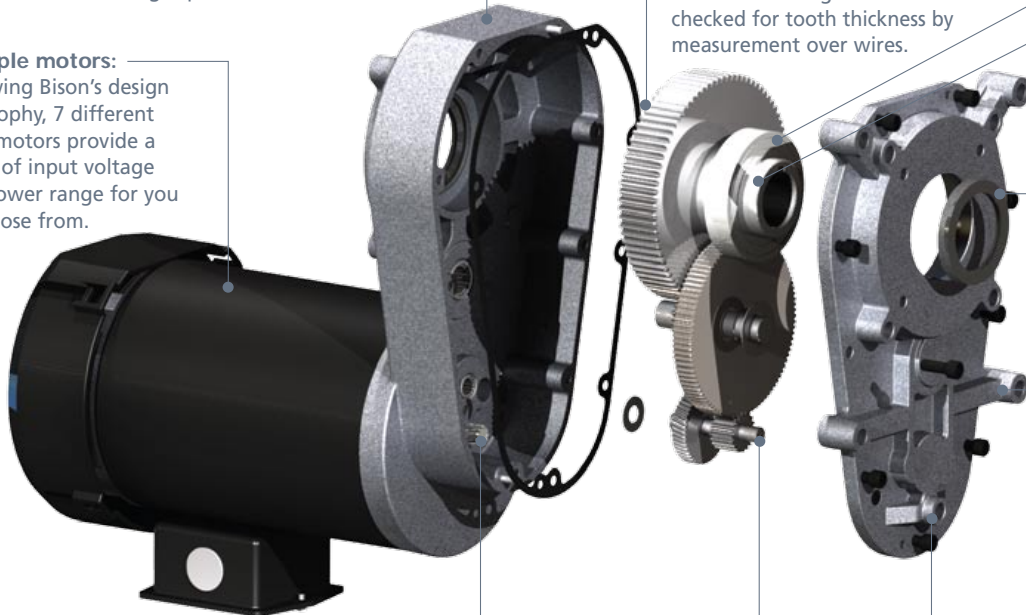
for instant, searchable product information, contact information, or to find a product database complete with free, downloadable drawings and solid models.



MODEL 762

High pressure die cast aluminum housing:
Precision machined on automated machining centers. Designed in a 3-D environment, high strength ribs are in all the right places.

Multiple motors:
Following Bison's design philosophy, 7 different stock motors provide a range of input voltage and power range for you to choose from.



Gears are precision hobbled:
On automated hobbing equipment and quality checked on computer controlled gear checking equipment. Gears are also inspected on a variable center distance gear tester and checked for tooth thickness by measurement over wires.

Only efficient needle and ball bearings are used: For optimum efficiency and maximum design life.

Large, hollow bore output shaft: Provided for maximum mounting flexibility.

Heat treated and ground motor and output shafts: Creates a smooth, perfectly round and hard surface for our spring loaded lip type seals.

Multiple mounting configurations:
Combined with all position shaft orientation makes mounting the 762 easy!

Motor shaft pinion:
Precision hobbled helical pinion is induction heat treated. Spring loaded lip seal mates with a centerless ground seal journal for maximum seal life.

Integral pinions:
Bison's pinion blanks are turned on high precision CNC lathes. Carbide cutting tools are used to hob the pinion teeth on automated hobbers. Pinions are then heat treated in a carbonitriding process. The carbonitrate layer offers a hardened, wear resistant surface.

Oil bath lubrication: Bearing and gear life are maximized with oil bath lubrication. Many competitors choose grease, but Bison chooses oil – *it is simply the best lubrication to maximize load capacity and gear life.*



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