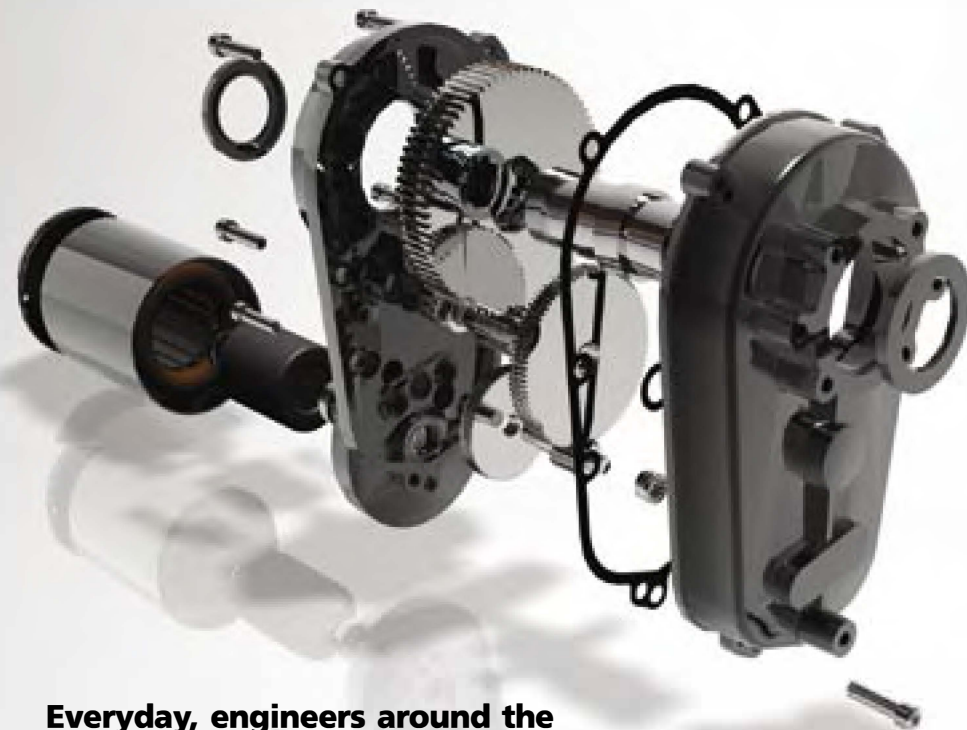


**Engineers Use One
Word to Describe
Bison Gearmotors...**

APPROVED.



Everyday, engineers around the world poke, prod, weigh, test, analyze and generally dissect our products. ...Not that we mind.

At Bison, we build all of our products using one simple philosophy: it's what's inside that counts. We have been defining gearmotor Robusticity™ for over 45 years.

Of course, it doesn't hurt to offer the industry's best service and support either. With rapid response at very stage of the engineering process, we keep you on top of your schedule. Our experienced team of field representatives offer on-the-spot consultation and trouble-shooting. And with the very best in applications engineering assistance, you never have to over-specify to get just what you need.

BISON
Gear & Engineering Corp.



562

**Hollow Shaft
Offset Gearmotors**

562 Series Parallel Shaft AC or DC

HOLLOW SHAFT OFFSET GEARMOTORS

Multiple Shaft Configurations

Specify your optimum shaft configuration to reduce assembly time. Choose from several stock shaft options or use the standard hollow shaft as supplied.

The Speed You Need

Thanks to our lean factory we are able to offer a wide variety of gear ratios without driving up costs. Get the speed you need by specifying the gear ratio that meets your machines requirements.

High Pressure Die Cast Aluminum Gearcase

Stronger than zinc and dimensionally stable, our aluminum gearcase is precision machined on automated CNC mills.

Powder Coat Paint Finish

Baked on epoxy powder coat finish in high gloss black prevents oxidation and corrosion.

High Efficiency Bearing System

Motor Bearings: Shielded ball bearings, electric motor grade, for maximum operating life and overhung load capability. Preload spring minimizes end play, controlling unwanted vibration and noise.

Pinion Bearings: Needle bearings are used here as they provide the highest radial load capacity in the smallest amount of space.

Output Shaft Bearings: Shielded ball bearings provide high overhung load capacity and thrust load capability to meet the most demanding application requirements.

Heat Treated Steel Gearing

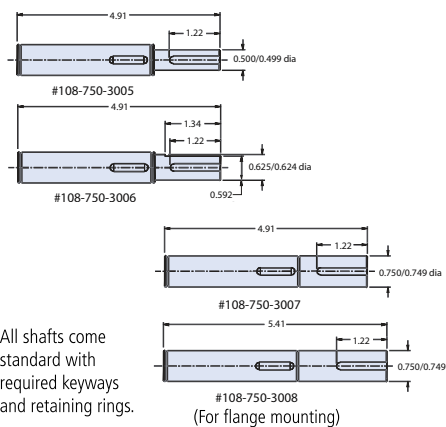
Bison's pinions, gears, and output shaft are all heat treated to maximize durability ratings for long life. Seal areas are hardened and ground for optimum sealing.

All Position Mounting

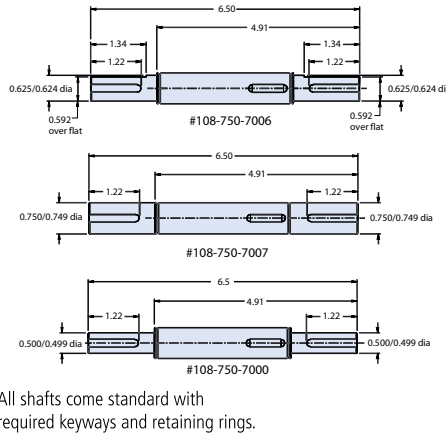
Bison's gearmotors are non-vented allowing all position mounting. Grease lubrication is used on our 562 product line for maximum durability and life-long performance. Spring loaded lip seals are specified on the motor shaft and output shaft, mated with hardened and ground shafts for maximum life.



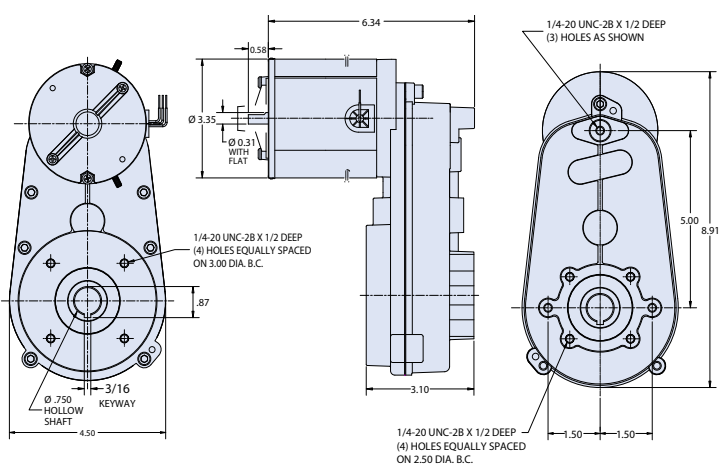
Single Shafts



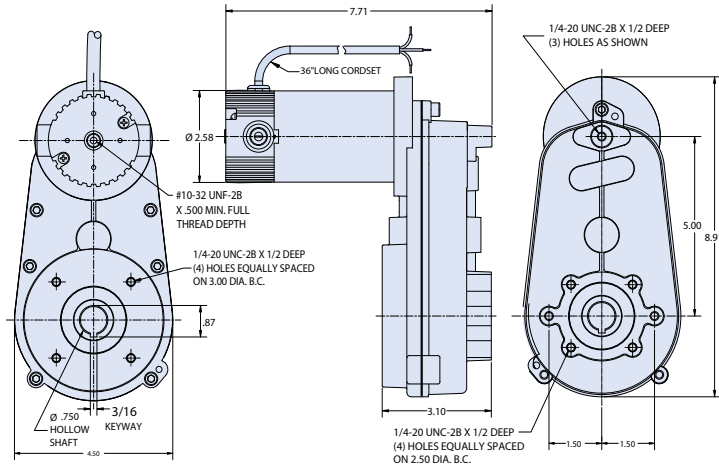
Double Shafts



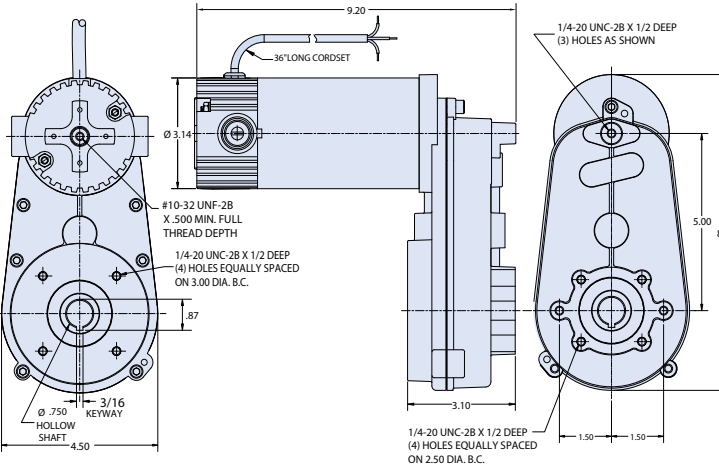
562 Series 1/20 HP AC



562 Series 1/20 HP DC



562 Series 1/8 HP DC



562 Series PSC 115VAC

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Volts AC	Amps	Hz
016-562-1397	1.2	1100**	1/20	1397.1	4	115	0.59	60
016-562-0401	4.1	676	1/20	402.2	3	115	0.59	60
016-562-0285	5.8	478	1/20	284.2	3	115	0.59	60
016-562-0151	11	253	1/20	150.8	3	115	0.59	60
016-562-0121	14	204	1/20	121.4	3	115	0.59	60
016-562-0084	20	142	1/20	84.3	3	115	0.59	60
016-562-0043	38	72	1/20	43.0	3	115	0.59	60

562 Series 12VDC

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-3397	1.3	1100**	1/20	1397.1	4	3.00
011-562-3401	4.5	620	1/20	402.2	3	4.73
011-562-3285	6.3	438	1/20	284.2	3	4.73
011-562-3151	12	232	1/20	150.8	3	4.73
011-562-3121	15	187	1/20	121.4	3	4.73
011-562-3084	21	130	1/20	84.3	3	4.73
011-562-3043	42	66	1/20	43.0	3	4.73

562 Series 12VDC

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-3261	6.9	1005	1/8	261.0	3	10.20
011-562-3184	9.8	709	1/8	184.1	3	10.20
011-562-3111	16	428	1/8	111.1	3	10.20
011-562-3079	23	303	1/8	78.7	3	10.20
011-562-3055	33	210	1/8	54.6	3	10.20
011-562-3028	65	107	1/8	27.9	3	10.20

562 Series 24VDC

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-5397	1.3	1100**	1/20	1397.1	4	1.55
011-562-5401	4.5	620	1/20	402.2	3	2.46
011-562-5284	6.3	438	1/20	284.2	3	2.46
011-562-5151	12	232	1/20	150.8	3	2.46
011-562-5121	15	187	1/20	121.4	3	2.46
011-562-5084	21	130	1/20	84.3	3	2.46
011-562-5043	42	66	1/20	43.0	3	2.46

562 Series 24VDC

Part Number	Speed (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-5261	6.9	1005	1/8	261.0	3	5.18
011-562-5184	9.8	709	1/8	184.1	3	5.18
011-562-5111	16	428	1/8	111.1	3	5.18
011-562-5079	23	303	1/8	78.7	3	5.18
011-562-5055	33	210	1/8	54.6	3	5.18
011-562-5028	65	107	1/8	27.9	3	5.18

562 Series 90VDC

Part Number	Speed 90V (RPM)	Speed 130V (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-1397	1.3	1.9	1100**	1/20	1397.1	4	0.15
011-562-0401	4.5	6.4	620	1/20	402.2	3	0.62
011-562-0285	6.3	9	438	1/20	284.2	3	0.62
011-562-0151	12	17	232	1/20	150.8	3	0.62
011-562-0121	15	21	187	1/20	121.4	3	0.62
011-562-0084	21	31	130	1/20	84.3	3	0.62
011-562-0043	42	60	66	1/20	43.0	3	0.62

562 Series 90VDC

Part Number	Speed 90V (RPM)	Speed 130V (RPM)	Torque (in-lbs)	Input HP	Ratio	Stages	Amps
011-562-2261	6.9	9.9	1005	1/8	261.0	3	1.33
011-562-2184	9.8	14	709	1/8	184.1	3	1.33
011-562-2111	16	23	428	1/8	111.1	3	1.33
011-562-2079	23	33	303	1/8	78.7	3	1.33
011-562-2055	33	47	210	1/8	54.6	3	1.33
011-562-2028	65	93	107	1/8	27.9	3	1.33