

**Long, trouble free performance. Industry standard mounting. Available from stock.**



*Applied Industrial Technologies and Bison Gear and Engineering offer a broad range of gearmotors, available when you need them. The Bison product line has been driving conveyors for over 40 years and continues to lead the field in long, trouble free life. We stock parallel and right angle gearmotors for most conveyors, available in horsepower range from 1/20 to 1/2 horsepower.*

Conveyor Drives

**Conveyor Drive Applications:**

- Packaging Machines**
- Small Parts Conveyors**
- Machine Tool Equipment**
- Printing Equipment**
- Bulk Powder Equipment**
- Material Handling Equipment**

**Features and Benefits:**

- Broad Product Offering**  
The broad product line ranges up to 3HP/2.2Kw, and includes right angle and parallel shafts, PMDC and 3 kinds of AC motors.
- Baked On, Built Tough**  
The heavy duty cast aluminum housings carry powder-coated gloss black finishes. Special finishes approved for food processing or other regulated applications are available.
- Ready To Run**  
Inputs meet U.S., Canadian and European voltage and frequency requirements. UL, CSA, and VDE certification. Quality assurance to MIL-I-45208A.
- Premium Gearing**  
Fully automated gear hobbing combined with carbide cutting tools insures the balance you are looking for: smooth, quiet, and chatter-free gearing.
- Oil Bath Lubrication**  
Lifetime oil filled and permanently sealed. Efficient continuous operation in temperatures as low as -60°F and as high as +165°F.
- All Position Mounting**  
"Drop-in" mounting interchangeability with other major brands.
- Optimized Bearing System**  
All ball and needle. No bronze sleeves masquerading. Ball thrust bearings at all pressure points.



# Gearmotors in stock when you need them!

## 200 Series Permanent Split Capacitor 115/230V AC Parallel Shaft Gearmotor



For up to 350 lbs./in., the 200 Series is unmatched in voltage and speed options.

Order No.	Mfr. No.	HP	Output Speed	Ratio	Safe Torque (Max)	Stages
MA1157071	016-200-8100	1/15	15 rpm	107.6	202 lb/in	3
MA1157070	016-200-8050	1/15	30 rpm	52.9	135 lb/in	2
MA1157069	016-200-8035	1/15	45 rpm	35.4	92 lb/in	2
MA1157068	016-200-8023	1/15	70 rpm	23.4	61 lb/in	2
MA1157067	016-200-8017	1/15	97 rpm	16.5	43 lb/in	2
MA1157066	016-200-8012	1/15	139 rpm	11.5	30 lb/in	2

## 400 Series Permanent Split Capacitor 115/230V AC Parallel Shaft Gearmotor



These heavy duty gearmotors produce close to 1,200 lbs./in. of output torque, exceptional performance for a very compact fractional horsepower, parallel shaft gearmotor.

Order No.	Mfr. No.	HP	Output Speed	Ratio	Safe Torque (Max)	Stages
MA1157064	014-482-4316	1/4	5 rpm	315.5	1,087 lb/in	3
MA3230524	014-482-4211	1/4	8 rpm	210	974 lb/in	3
MA9871217	014-482-4143	1/4	12 rpm	142.9	992 lb/in	3
MA1150368	014-482-4095	1/4	18 rpm	95.1	800 lb/in	3
MA1150363	014-482-4064	1/4	27 rpm	63.5	500 lb/in	3
MA1153066	014-482-4029	1/4	60 rpm	28.6	240 lb/in	2
MA1157062	014-482-4012	1/4	136 rpm	12.7	100 lb/in	2
MA4300985	014-482-3095	1/3	18 rpm	95.1	1,025 lb/in	3
MA1150362	014-482-3042	1/3	41 rpm	42.1	513 lb/in	2
MA6160018	014-482-3019	1/3	91 rpm	19	211 lb/in	2
MA1150361	014-482-3011	1/3	157 rpm	11	122 lb/in	2
MA4910887	014-482-3006	1/3	282 rpm	6	67 lb/in	2
MA1157061	014-482-2080	1/2	22 rpm	80	1,105 lb/in	3
MA1150359	014-482-2042	1/2	41 rpm	42.1	720 lb/in	2
MA1150358	014-482-2029	1/2	60 rpm	28.6	482 lb/in	2
MA1150357	014-482-2019	1/2	91 rpm	19	320 lb/in	2
MA1157060	014-482-2012	1/2	135 rpm	12.7	215 lb/in	2

## 100 Series Permanent Magnet 90V DC Parallel Shaft Gearmotor



The 100 Series offers a wide speed range and many voltage options in an ultra-compact package.

Order No.	Mfr. No.	HP	Output Speed	Ratio	Safe Torque (Max)	Stages
MA1150009	011-190-1369	1/40	1.3 rpm	1369.3	100 lb/in	5
MA1150244	011-190-0702	1/40	2.6 rpm	702.1	100 lb/in	5
MA1150008	011-190-0362	1/40	4.5 rpm	361.7	100 lb/in	4
MA1150241	011-190-0271	1/40	6.6 rpm	271.3	100 lb/in	4
MA1150045	011-190-0186	1/40	10 rpm	185.5	100 lb/in	4
MA1150007	011-190-0139	1/40	13 rpm	139.1	100 lb/in	4
MA1150240	011-190-0096	1/20	20 rpm	95.5	100 lb/in	3
MA1150006	011-190-0072	1/20	25 rpm	71.7	100 lb/in	3
MA1150239	011-190-0049	1/20	37 rpm	49	74 lb/in	3
MA1150005	011-190-0037	1/20	49 rpm	36.7	55 lb/in	3
MA1150004	011-190-0025	1/20	71 rpm	25.2	40 lb/in	2
MA1150238	011-190-0019	1/20	95 rpm	18.9	30 lb/in	2
MA1150003	011-190-0013	1/20	139 rpm	12.9	20 lb/in	2
MA1150001	011-190-0010	1/20	185 rpm	9.7	15 lb/in	2
MA1150237	011-190-0007	1/20	269 rpm	6.7	11 lb/in	1
MA1150000	011-190-0005	1/20	359 rpm	5	8 lb/in	1

Contact Your Local Applied Service Center  
**1-877-279-2799**

**WARNING:** Injury, death, property damage, and/or equipment failure may result from misuse or misapplication of the products featured in this publication. The information in this publication is provided "AS IS," WITHOUT WARRANTY OF THE INFORMATION'S ACCURACY OR THE PRODUCTS' SUITABILITY FOR ANY PARTICULAR USE.



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