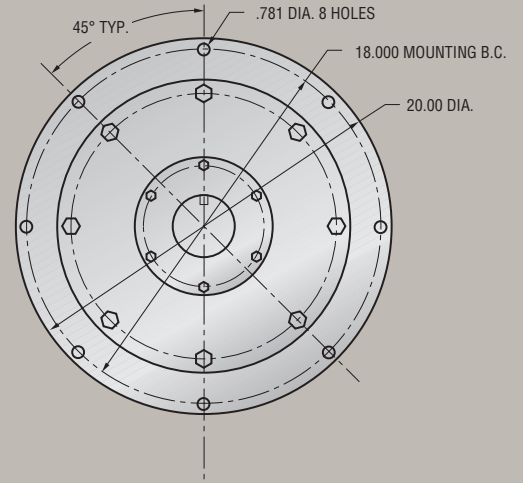
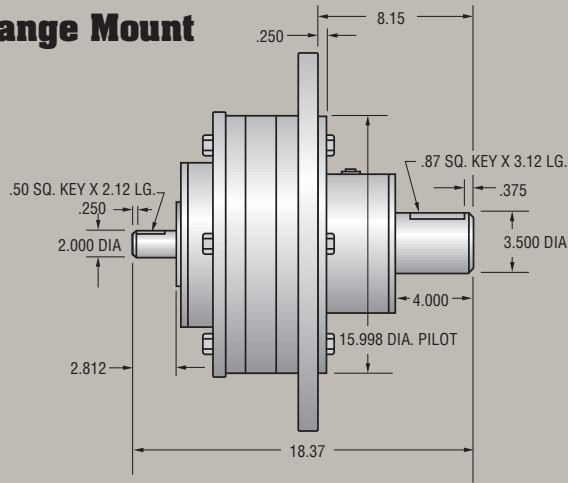


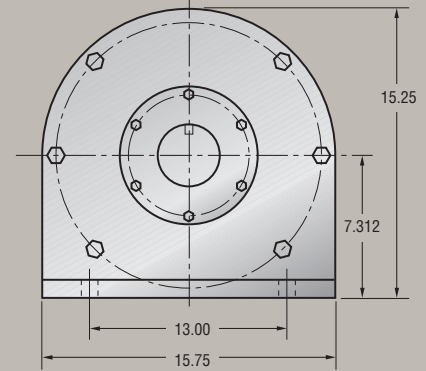
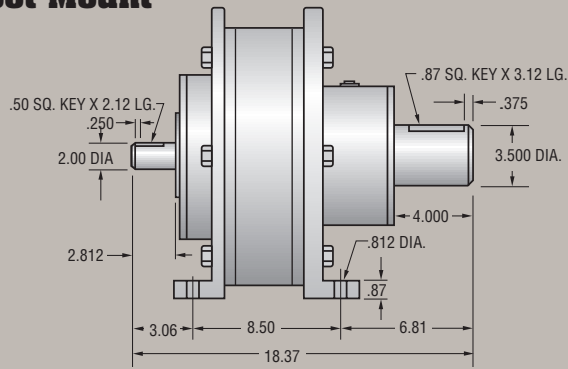
Model 120

Single Reduction Planetary Gear Reducer

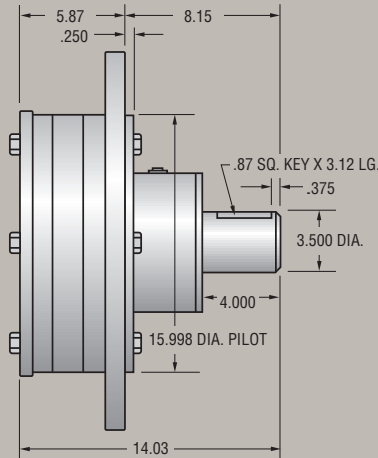
Flange Mount



Foot Mount



Flange or Foot Mount w/SAE or NEMA Input



NEMA Electric Motor Direct Mount

"C" face direct couple of motor to speed reducer. No need for coupling or special motor mounts.

SAE Hydraulic Motor Direct Mount

2 bolt or 4 bolt direct couple of hydraulic motor to speed reducer. No need for coupling or special motor mounts.



Byrne
**Gear Corporation
of America**

- Planetary speed reducers
- High-speed increasers
- Custom design geared products

"The Problem Solver"

Model 120

Single Reduction Planetary Gear Reducer

Planetary Assembly	Ratios	OUTPUT HORSE POWER RATINGS (Adjusted for Thermal Efficiencies)						
		INPUT R.P.M.						
		100	580	720	870	1170	1430	1750
E	3.00	20.81	71.22	82.86	94.60	116.40	133.96	154.30
A	3.50	23.09	79.03	91.95	104.97	129.16	148.64	171.21
B	4.00	20.67	70.75	82.31	93.97	115.63	133.07	153.27
C	4.33	14.50	49.64	57.75	65.93	81.13	93.36	107.54
D	6.00	11.10	37.98	44.19	50.44	62.07	71.43	82.27

Ratings based upon uniform steady and moderate shock loading. See load factor chart for details.

OUTPUT SHAFT RADIAL (overhung) LOAD CAPACITIES (at output r.p.m.)								
R.P.M.	10	20	30	50	100	200	300	500
Radial Capacities (lbs.)	17,000	13,600	11,900	10,200	8,500	8,075	6,800	5,525

OUTPUT SHAFT THRUST LOAD CAPACITIES (at output r.p.m.)								
R.P.M.	10	20	30	50	100	200	300	500
Thrust Capacities (lbs.)	26,025	20,842	18,724	16,060	13,049	10,602	9,386	8,050

OUTPUT SHAFT MAXIMUM CONTINUOUS TORQUE CAPACITY: 50,390 lb./inches

OUTPUT SHAFT INTERMITTENT TORQUE CAPACITY: 100,480 lb./inches

WEIGHT: 300 lbs.

RATING SYSTEM: All Ratings Based Upon American Gear Manufacturers Association Standards

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Join the thousands of satisfied customers
that choose the "Problem Solver".**

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3M Company
U.S. Coast Guard
Tennessee Valley Authority
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Tritan Corporation
Armco Steel
Kuwati Oil Company
Exxon

NASA
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Fuller Company
Sikorsky
Bendix
Canadian Bearings Co.
Caterpillar Tractor Co.
Container Corp. Of America
Grotnes Metalforming
Ingersoll Rand Corp.
R.R. Donnelley & Sons
The Budd Company
Ohio State University
Mead Paper

Martin Marietta
Rockwell International
Bethlehem Steel
Ashland Petroleum
Republic Steel
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Byrne

GEAR CORPORATION OF AMERICA

301 Byrne Gear Drive
P. O. Box 1789
Mansfield, Ohio 44901
Telephone: (419) 522-GEAR(4327)
Fax: (419) 525-2386

E-mail: byrne@byrnegroup.com

Visit our web site at: www.byrnegroup.com

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