



ELECTRIC MOTORS, GEARMOTORS AND DRIVES

ALUMINUM GEAR REDUCERS CATALOG 7050

Effective: 8/01/04
Supersedes: Catalog 5050
Catalog 7050;
dated Feb, 2003



Bravo[®] and LeCENTRIC[™] aluminum reducers offer thousands of stock power transmission solutions



As the first full line (1/4 through 7-1/2 HP) of industrial aluminum inline gear reducers, LeCENTRIC[™] offers unsurpassed advantages in terms of weight, efficiency and interchangeability. LeCENTRIC[™] reducers are loaded with long life features industrial equipment users have come to expect. Standard features include hardened and ground gearing (AGMA Class 10 or better) for enhanced efficiency and noise reduction; heavy duty output shaft for superior torque and overhung load capacities; oversized bearings on input and output shafts, synthetic oil and premium Viton oil seals and more!

Perhaps LeCENTRIC[™]'s most intriguing feature is its modular construction, which allows for the in-field addition of a specific base or flange needed to make LeCENTRIC[™] a bolt-in replacement for dozens of popular reducer brands. LeCENTRIC[™] is the smart choice for bolt-in replacement of popular reducers such as SEW, Nord, David Brown, Dodge, Brook Hansen and more!



LEESON continues to offer the Bravo[®] reducers through a partnership with Hydromec of Italy. Hydromec, with over 40 years of industrial drive manufacturing experience, is a major producer of adjustable speed drives, in addition to worm and coaxial gear reducers for Europe and other international markets. Components of the Bravo[®] reducers are jointly produced in Italy and LEESON's gear manufacturing facilities.

Designers and manufacturers of commercial and industrial machinery targeting compact and lightweight products welcome the Bravo[®] worm reducers as an alternative to traditional cast iron units. Bravo[®] reducers weigh up to two-thirds less and are one-third smaller than comparable cast iron designs. With hollow output shafts as standard, extremely compact and cost effective drive solutions are easy to achieve.

Using a unique modular construction, a variety of accessory mountings are possible without disassembling the reducer including foot kits, reaction arms, output flanges and shaft kits. Bravo[®] reducers are now available with IEC motorized inputs and metric outputs, which makes them an excellent replacement of popular reducers such as Bonfiglioli, Motovario, STM, SITI and more!

NEW PRODUCTS:

◆ 70-102:1 BRAVO[®] SINGLE STAGE RATIOS

See rating tables pages 69-82

◆ METRIC BRAVO[®] SELECTIONS

See dimension pages 84-97

◆ BRAVO[®] WORM-WORM DOUBLE REDUCTION

See page 98

◆ BRAVO[®] HELICAL-WORM DOUBLE REDUCTION

See page 120

◆ BRAVO[®] SERIES 512 30 MM CENTER DISTANCE

See page 70

By combining a LeCENTRIC[™] or Bravo[®] reducer with any of our hundreds of in-stock c-face motors, a performance-matched GEAR+MOTOR[™] is created instantly with single source responsibility. AC or DC, single phase or three phase, even hard-to-find configurations such as explosion proof and Washguard[™] GEAR+MOTORS[™]they're all available off the shelf from LEESON.



LEESON is a subsidiary of REGAL-BELOIT CORPORATION, a worldwide manufacturer of mechanical and electrical motion control products. LEESON sales offices and warehouses are located throughout North America.



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Fax: 570/325-3870

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Fax: 405/348-0600

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570/325-3684
Fax: 570/325-3870

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District Mgr., Craig Brisbane
570/325-3684
Fax: 570/325-3870

■ **TEXAS, Dallas**

District Mgr., Homer Rodden
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Fax: 972/245-2328

■ **TEXAS, Houston**

District Mgr., Homer
Rodden
972/245-2017
Fax: 972/245-2328

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Fax: 425/712-7098

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District Mgr., Tom Bares
414/352-3580
Fax: 414/352-3207

■ **INTERNATIONAL**

Motors International
Inside Sales Manager,
Jill Bertolino
WISCONSIN, Grafton
(+1) 262/377-8810
Fax: (+1) 262/377-6116

□ **ASIA**

CHINA, Shanghai
(+86) 21-625-317-00
Fax: (+86) 21-625-587-07

■ **CENTRAL AMERICA, SOUTH AMERICA & CARIBBEAN**

FLORIDA, Miami
Contact: Manny Garcia, Jr.
(+1) 305/220-4423
Fax: (+1) 305/220-5945

■ **EUROPE**

ITALY, Bologna
(+39) 051-731-487
Fax: (+39) 051-734-943

LEESON CANADA

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Branch Mgr., Marie Flaman
780/437-3380
Fax: 780/434-3448

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Fax: 604/941-0659

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Fax: 506/383-8887

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National Sales Mgr.,
Frank Pesce
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Fax: 905/670-4378

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Richard Haines
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Fax: 514/337-0773



IRONMAN™ Reducers Ideal For Heavy-Duty Use

Heavy-duty IRONMAN™ BY OHIO GEAR™ gear reducers are the perfect complement to Bravo® and LeCentric™ aluminum gear reducers. IRONMAN™ BY OHIO GEAR™ reducers are built tough and feature cast iron construction for extended life in industrial applications. Full details are provided in Catalog 8050, which is available upon request.

Bravo®, LeCentric™ and IRONMAN™ BY OHIO GEAR™ reducers match easily with LEESON motors, which

are offered off-the-shelf in nearly 4,000 different sizes and styles. With LEESON, you're sure to find the motor, gearmotor or drive you need—when you need it. Full information is available in Stock Catalog 1050. For your free copy, give us a call or visit our web site at www.leeson.com.



FOR MORE INFORMATION CONTACT:

LEESON ELECTRIC

GRAFTON, WISCONSIN 53024-0241 U.S.A.
TEL (262)377-8810 FAX (262)377-9025 www.leeson.com

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