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## New Right Angle DC Gearmotors Offer Versatile Backward Compatibility

Permanent magnet, worm geared motors feature all-position mounting, multiple output shaft configurations and optional integral speed control.

St. Charles, IL - September 15, 2008 - To meet the needs of a growing number of OEMs seeking alternate gearmotor suppliers for not only new, but also legacy, equipment designs [Bison Gear & Engineering Corp.](#) introduces a new series of fractional horsepower DC gearmotors featuring right angle worm gearing. Designed to also function as Von Weise Drop-In Replacements, the [Bison Gear VWDIR23 gearmotors](#) are available in 6 standard 90 volt DC input models. With gear ratios from 37:1 to 525:1, corresponding fixed output speeds range from 90 to 3 RPM, and output torques from 34 to 250 in-lbs (3.8 to 28.3 N-m). These Bison drop-in



replacements for VW23 and VW33 gearmotors feature 1/10 or 1/20 hp (75 or 150 watt) permanent magnet DC motors with replaceable brushes, grease lubrication for long life and all-position mounting, with left, right or dual output shafts with a 100 lb. (45.4 kg.) overhung load rating.

"This is a compact, extremely versatile gearmotor design that meets the requirements of many industrial and commercial applications such as in machine tools, recreational and agricultural equipment, and conveyors" said Bunnyray Larmond, Bison Gear Regional Sales Manager. "The permanent magnet DC motor offers much higher starting torque capability than comparable AC motors and we can even mount a new Bison integral speed control directly to these gearmotors for even more versatility, as well as energy savings."

Manufactured in Bison Gear's St. Charles, Illinois facilities to the highest quality standards to ensure dependable, long-life operation, Bison's new [VWDIR23 right angle DC gearmotors](#) are available with U.L. and CSA recognition and are supported by Bison's Innopreneurial(TM) application and design engineering capabilities to customize standard models to meet specific OEM needs.

The [VWDIR23 PMDC gearmotors](#) are part of the rapidly expanding Bison Gear line of Von Weise Drop-In Replacement gearmotors, which now encompasses over 80 standard models of AC and DC right angle and parallel shaft gearmotors.

### **About Bison Gear & Engineering Corp.**

Founded in 1960, Bison Gear & Engineering Corp. designs and manufactures fractional horsepower electric motors, gearmotors and gear reducers used in industrial and commercial OEM applications worldwide. Bison's strong engineering tradition, based on Robusticity (TM) principles, offers products with up to twice as much torque in the same package size as competitors. Bison employs over 270 associates in its St. Charles, Illinois facility which produces gearmotors and reducers in parallel shaft and right angle configurations, as well as AC and DC motors, for applications where dependability and long lifetimes are important. [www.bisongear.com](http://www.bisongear.com).

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