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## New Stationary or Battery Power DC Gearmotors are Von Weise Drop-In Replacements



Compact permanent magnet, parallel shaft gearmotors available for ei

St. Charles, IL - September 2, 2008 - Whether the rotary motion of an OEM's equipment is run by low voltage, battery power or from a stationary DC power source, the new fractional horsepower parallel shaft [VWDIR83 gearmotors](#) from [Bison Gear & Engineering Corp.](#) represent a versatile, long life, value solution. Designed

as Von Weise Drop-In Replacements, the Bison [VWDIR83 gearmotors](#) are available in 12 standard models; 6 each for 12 volt and 90 volt DC inputs. With gear ratios from 32:1 to 430:1, fixed output speeds range from 6 to 93 RPM, with output torques from 50 to 13 in-lbs. These Bison drop-in replacements for VW83 gearmotors feature 1/30 hp permanent magnet DC motors with replaceable brushes, grease lubrication for long life and all-position face mounting with a 50 lb. overhung load rating. Bison is also introducing a similar line of dual voltage, dual frequency AC gearmotors, powered by 1/20 hp induction motors.

"This is a low profile, excellent value gearmotor design that fits perfectly into such applications as peristaltic pumps, commercial floor care appliances, door operators, lamination, binding and other types of office and document handling equipment," said Andy Szpak, Bison Gear Regional Sales Director. "The permanent magnet DC motor offers high starting torque capability and we can even mount a Bison 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 [VWDIR83 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 [VWDIR83 PMDC gearmotors](#) are part of the expanding Bison Gear line of Von Weise Drop-In Replacement gearmotors, which encompasses over 75 standard models.

### **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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