Capabilities, Applications and Service

You can count on Helwig Carbon to be your reliable, long-term supplier. As the leader in brush holder design technology, Helwig Carbon Products, Inc. is the brand industry trusts. Our products are American made since 1928 and manufactured to the highest quality standards for reliable product performance.

Our manufacturing processes are ISO 9001 certified to ensure the highest quality products with the tightest tolerances.

**Capabilities**
- Fast turnaround on custom parts
- Custom designs for your application
- Economical holder refurbishing – fraction of the cost over buying new
- Average lead time 4 weeks or less
- Precision machining to tight tolerances
- Coordination of brush and holder design for maximum performance and long life

**Typical Applications**
- Power Plants
- Steel Mills
- Paper Mills
- Mining
- Hydro Generation
- Wind Turbines
- Elevators

**Service**
- 95% on-time delivery
- Fast friendly service
- Knowledgeable local field service and support

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Custom Designed, High-Performance
Brush Holders and Springs

SUPERIOR QUALITY
FAST, RELIABLE SERVICE

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ISO 9001:2008 Certified
High Quality Brush Holders
Designed Just For You

Fast, reliable service, high quality workmanship, and on-time delivery are our trademarks.

Helwig Carbon Products, Inc. has been designing and manufacturing high quality brush holders for over 35 years. Our groundbreaking research on the effects of spring pressure relating to brush performance, led to a superior brush holder design using “Constant Force Springs.” Constant Force Springs can dramatically improve brush life, resulting in lower maintenance costs.

Some time-saving features include, the easy-to-read “wear indicator” and Helwig’s patented “quick-disconnect” terminals and mounts. We have a wide variety of popular brush holders in stock and can manufacture custom parts quickly.

The Helwig Constant Force Brush Holder Advantage:
- Direct replacement of original OEM holders
- Replaceable Constant Force Springs
- Proper spring force for each application
- Longer brushes for additional brush life and less downtime
- Custom built for your application
- Convenient height adjustability
- Individual, easy to replace components
- Coordinated design of entire carbon brush system

Optional features:
- Wear indicator: Allows at-a-glance checks of brush wear
- Quick-Disconnect: Terminals and mounts for easy replacements
- Low friction: Coatings for harsh environments

Industrial Holders
Solid construction design provides better performance, longer brush life, and lower maintenance costs than the original.
- Over 40 Standard models in stock for GE, Reliance, Westinghouse and others
- Custom designs for any application
- All with Constant Force Springs
- Easy to install

Slip-ring Holders
Custom designed holders to easily retrofit existing equipment and exceed performance of the original part.
- Standard holders in stock for GE and Westinghouse power generation
- Wind Power Holders
- Wound rotor induction motor and synchronous motor holders
- Custom designs with Constant Force Springs to fit your application

Grounding Holders
Simple, easy-to-install, kits for shaft grounding that divert static and induced electric currents from motor shafts away from the bearings to prevent premature wear.
- Provide an easy path to ground for circulating currents and currents from motors with variable frequency drives
- 3 popular sizes in stock
- Bearing Protector comes standard with low resistance, silver-graphite brushes

In Stock and Ready to Ship
Over 40 popular spring designs are in stock and ready for immediate shipment. Custom springs in small quantities are available in just a few days.

Spring Assemblies
Helwig Carbon’s pioneering research on spring pressure in the 1980’s set the standard for industrial applications at 4-6 psi. At the time, most brush holder systems were only providing about 2 psi.

Proper spring force is only effective if it can be sustained throughout the wearable length of the brush. Proper spring tension, combined with efficient clip design, results in improved brush performance. Our springs are designed to apply the proper spring force throughout the life of the brush. The resulting extended brush life leads to significantly lower maintenance costs.

Spring assemblies are easily replaceable on most of our holder designs. We recommend spring replacement every 3-5 years depending on the operating conditions of the unit.

Helwig Carbon’s patented quick-disconnect terminals and mounts are easy to replace. We have a wide variety of popular brush holders in stock and can manufacture custom parts quickly.

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