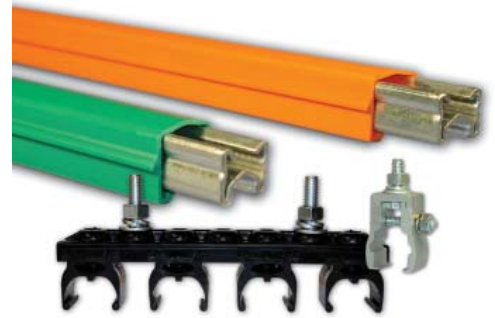


Electrobar[®] FS

Conductor Bar System

Magnetek knows the safety and performance of your overhead material handling system are top priorities. That's why we proudly offer the Electromotive Systems Electrobar FS Conductor Bar System for electrification of cranes, monorails and automated storage and retrieval systems!



Unique Conductor Bar Shape Enhances Performance

- Contoured bar design ensures electrical contact between the collector shoe and conductor bar.
- Wear to the conductor bar cover is minimized.
- Potential loss of electrical contact at the joints is significantly reduced.
- Rigid conductor bar design minimizes deflection between hangers.

Easy to Install and Maintain!

- Modular, snap-in multi-pole conductor bar hangers reduce installation and maintenance time.
- Compression-type anchors eliminate the need for field drilling.
- Expansion line elements come completely pre-assembled.
- Minimal system maintenance required—just periodically replace collector brush assemblies.
- Snap-in collector shoe assembly.

Value-Packed System

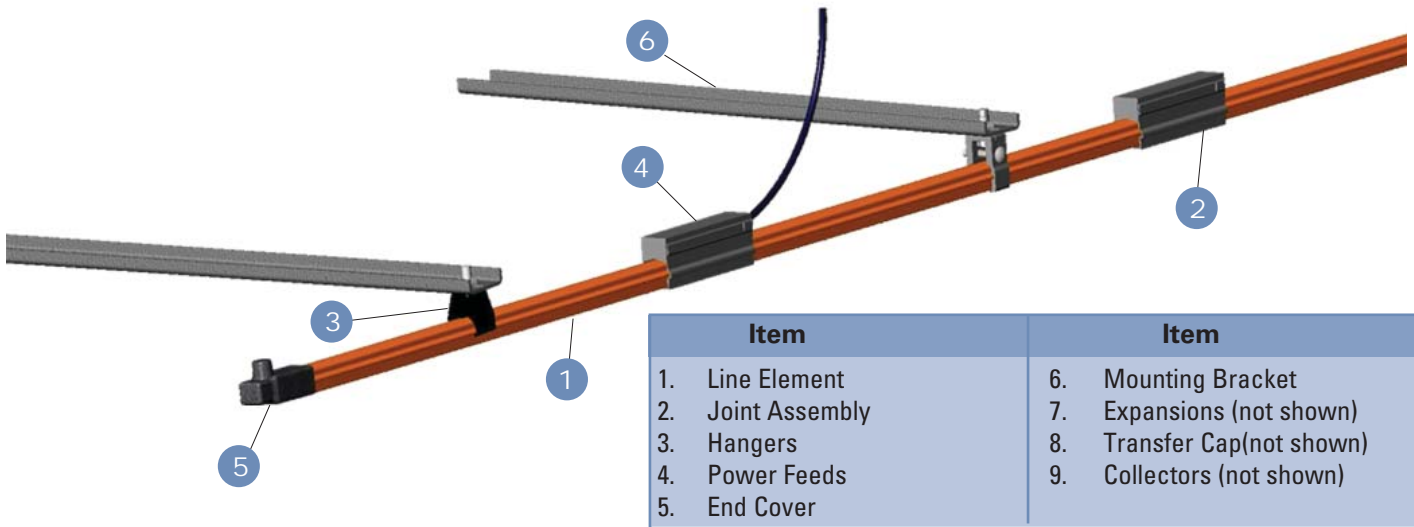
- Systems up to 490 feet in length can be installed without expansion assemblies.
- Standard 15' bar lengths mean fewer joints to purchase. (Custom lengths available by request).
- Common hangers and joint assemblies allow for reduced inventory levels.
- Standard systems designed for indoor or outdoor use—no special parts to purchase for outdoor applications.
- System design reduces installation labor costs.

Designed with Safety in Mind

- Finger safe design minimizes potential for electrical contact.
- Grounding conductor bar available with green cover for ease of identification.

Available in a Variety of Configurations

- Single and double shoe collector assemblies.
- 90, 110, 125, 250 and 400 AMP ratings.
- Snap-in hanger kits available for 2, 3 and 4 pole applications.
- Single hangers also available for special configurations.
- Single-arm or Pantograph style collectors.
- Can be used in horizontal or vertical mounted applications.



Line Elements—Our standard Electrobar FS Conductor Bar comes in 15’ lengths, so there are fewer joints to purchase and installation time is reduced! Systems may be installed up to 490’ without expansion assemblies, and in operating environments up to 160 degrees Fahrenheit. We include a green PVC conductor bar cover to provide electrical protection and easy identification of the grounding conductor. Line Elements are offered as follows:

Galvanized Steel Line Elements

- 90 Amp Phase
- 110 Amp Phase
- 125 Amp Phase
- 90 Amp Ground
- 110 Amp Ground
- 125 Amp Ground

Copper Line Elements

- 250 Amp Phase
- 400 Amp Phase
- 250 Amp Ground
- 400 Amp Ground

Expansion Elements—Our standard Electrobar FS expansion elements come in 15’ lengths and include our PVC conductor bar cover and power feed covers. Expansions are completely pre-assembled, requiring only proper gap setting by the installer (refer to technical bulletin for gap setting data). Expansions may be installed in operating environments up to 160 degrees Fahrenheit.

Hangers—Electrobar FS multi-pole line element hangers have a modular, snap-in design for quick installation and ease of maintenance. Compression anchors are available, eliminating the need for drilling.

A variety of configurations are available:

- Horizontal mount
- Vertical mount
- Modular hanger base for 2, 3 and 4 pole configurations
- Single plastic and steel hangers for special applications

Systems Components—Electrobar FS System Components include:

- Joint Assembly/Joint Covers in 90, 110, 125, 250 and 400 Amp
- Joint Power Feeds in 90, 110, and 125 Amp
- End Power Feed in 125 Amp
- End Cover in 90, 110, 125, 250 and 400 Amp
- Transfer Cap in 90, 110, 125, 250 and 400 Amp

Collector Assemblies—Collector assemblies are designed to travel at speeds up to 900 ft. per minute using standardized components. They provide constant spring force throughout the entire stroke due to the parallelogram effect between the arm and the spring. Electrobar FS collectors feature a snap-in shoe assembly—simply make the electrical connection and snap the shoe into place. Our graphite impregnated copper contact shoes are designed for long life and minimal drag. Standard Electrobar FS collectors have a 100 and 200 Amperes continuous current rating. Single or tandem collector shoe assemblies are available.

