The Leaders In Power Transfer Technology

TransTech is a subsidiary of Fandstan Electric, a global group of companies focusing on energy transfer systems with installations in over 100 countries. Working synergistically with our European sister companies such as Brecknell-Willis, Stemmann and AKAPP, we are able to leverage a broad product portfolio and a wealth of technical expertise. Our goal is to better serve our power transfer markets by continuing to provide solutions that improve product life, performance, and reliability.
**Configuration is Easy**

Configuring a REDI-BAR system is very easy and can be completed with only basic information regarding the input power requirements and conductor bar length.

**STEP ONE: REDI-BAR System Selection**

1. Select the appropriate chart below based on the power requirements of your crane, 480VAC or 250VDC (for other power systems, please contact TransTech for assistance).
2. On the vertical axis of the chart, plot your maximum current load.
3. On the horizontal axis, plot your system length in meters (1 meter = 3.3 feet). If longer than 200 meters, please contact TransTech.
4. Note the colored region where these two plots intersect; this determines which REDI-BAR series is required.

**STEP TWO: Determine Required Components**

1. Once the REDI-BAR series is determined, select a 4m Starter Kit.
   - A. For 64 or 100 series REDI-BAR systems:
     - If an end power feed is required, select the End Feed Starter Kit.
     - If the feed point is located elsewhere, select the Line Feed Starter Kit.
   - B. For 160 to 480 series REDI-BAR systems, select the Line Feed Starter Kit (which can also be used as an end feed)

2. Determine the number of Add-on Kits required based on length; the total of all Add-on Kits should be 4 meters less than the desired system length since the Starter Kit is 4 meters long.
   - A. For example, for a 23 meter long system, 19 meters of Add-On Kits are required.
   - B. For example, for a 23 meter long system, 19 meters of Add-On Kits are required.

3. Determine the number of trolley collectors required to carry the current load by dividing the required current load by the collector current capacity from the chart and rounding up.
   - A. For example, a 90A current load using 100 series REDI-BAR, three 40A trolleys are required.
   - B. For example, a 90A current load using 100 series REDI-BAR, three 40A trolleys are required.

**Specifications**

- **64 Series**
  - RBS4064 (40A)
  - RBS4100 (100A)
  - RBS4160 (160A)
  - RBS4240 (240A)
  - RBS4320 (320A)
  - RBS4480 (480A)

- **100 Series**
  - RBA4064 (40A)
  - RBA4100 (100A)
  - RBA4160 (160A)
  - RBA4240 (240A)
  - RBA4320 (320A)
  - RBA4480 (480A)

- **160 Series**
  - RBA4064 (40A)
  - RBA4100 (100A)
  - RBA4160 (160A)
  - RBA4240 (240A)
  - RBA4320 (320A)
  - RBA4480 (480A)

- **240 Series**
  - RBA4064 (40A)
  - RBA4100 (100A)
  - RBA4160 (160A)
  - RBA4240 (240A)

- **320 Series**
  - RBA4064 (40A)
  - RBA4100 (100A)
  - RBA4160 (160A)

- **480 Series**
  - RBA4064 (40A)
  - RBA4100 (100A)
  - RBA4160 (160A)

**Pre-Assembled, Ready-to Install Enclosed Conductor Bar System**

REDI-BAR is a factory-assembled, ready-to-install conductor bar system designed to simplify crane conductor installations and replacements from 64 amps up to 480 amps. With an installation that can be completed in just a few hours, REDI-BAR can be installed quickly and easily with minimal downtime. Standard 4-pole conductor bar assemblies are available off-the-shelf, while custom conductor bar assemblies are manufactured to order for unique applications.

**Features**

- Ready-to-install enclosed copper conductor bar system with pre-assembled rail, hangers, splices and feeders.
- Allows up to 7 conductors within a safe, compact enclosure.
- Trollie–style current collector integrates all conductors into a single low-maintenance unit.
- Fast and simple field installation: a ready-to-install enclosed copper grates all conductors into a single low-maintenance unit.
- Isolation/maintenance sections available (IP24 rating) to reduce dust and moisture intrusion.
- Optional sealing strip available to reduce dust and moisture intrusion.
- Curved sections can be produced with a radius as small as 800mm in both the vertical and horizontal axes.
- Flexible feeder design can be located anywhere on the system.
- Custom conductor configurations possible.
- Temperature range: -22°F to 158°F continuous (IP24 rating).

**Shipping Bay Crane**

**Trolley Capacity**

- 40A Trolley Capacity: 90A
- 40A Trolley Capacity: 100A
- 40A Trolley Capacity: 120A
- 40A Trolley Capacity: 140A
- 40A Trolley Capacity: 160A
- 40A Trolley Capacity: 180A
- 40A Trolley Capacity: 200A
- 40A Trolley Capacity: 220A
- 40A Trolley Capacity: 240A
- 40A Trolley Capacity: 250A
- 40A Trolley Capacity: 270A
- 40A Trolley Capacity: 290A
- 40A Trolley Capacity: 300A
- 40A Trolley Capacity: 320A
- 40A Trolley Capacity: 340A
- 40A Trolley Capacity: 360A
- 40A Trolley Capacity: 380A
- 40A Trolley Capacity: 400A
- 40A Trolley Capacity: 420A
- 40A Trolley Capacity: 440A
- 40A Trolley Capacity: 460A
- 40A Trolley Capacity: 480A

**Dimensions**

- Length: 2.36m
- Width: 3.54m