

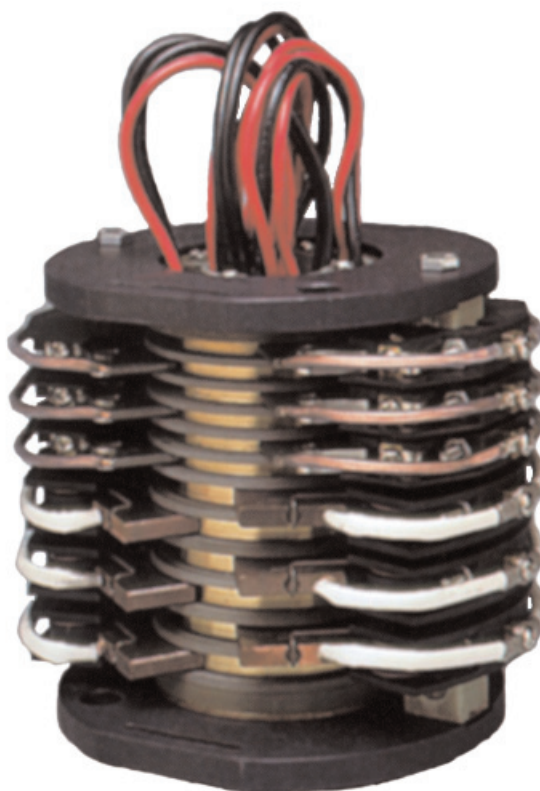
# Insul-8 Mobile Electrification

Cable Reels ♦ Conductor Bar ♦ Festoon ♦ Pendants ♦ Drives ♦ Slip Rings

*Solutions From A Single Source*

## R- Series Slip Rings

**Power and Control for Rotating Machinery**



**For the Electrification of:**

- Crane and Material Handling
- Packaging Machines
- Logging Machinery
- Environmental and Agricultural Equipment

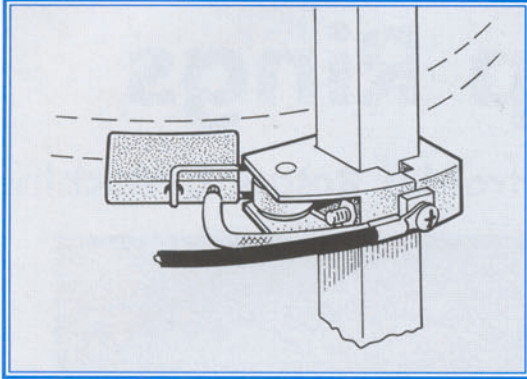


[www.insul-8.com](http://www.insul-8.com)

# Redesigned Standard Features

## Square Brush Posts

1

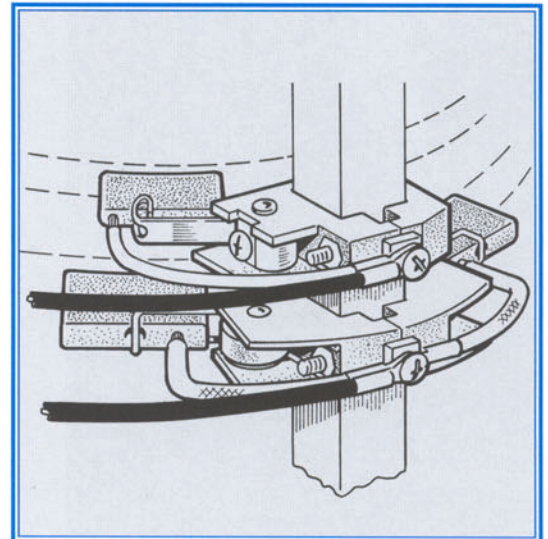


- Electrically insulated and moisture resistant.
- Securely fastened to end bearings to prevent twisting.
- Strong and rigid design; resists bowing and cracking.
- Mounting area for optional accessories such as terminal strips.

2

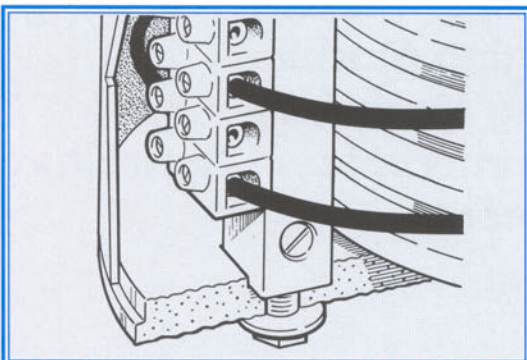
## Brush Holders

- Tough, high strength engineered plastic construction.
- No periodic adjustment or fine tuning required.
- Brushes snap out for easy replacement.
- Each holder can be removed without disruption of other components.
- Available in 15 amp/250 volt through 600 amp/600 volt capacities. Fits 1.5" through 10" bore rings.
- High amperage double fabricated brass brush holder assemblies also available (2 1/2" bore & greater).



## Bearings

3

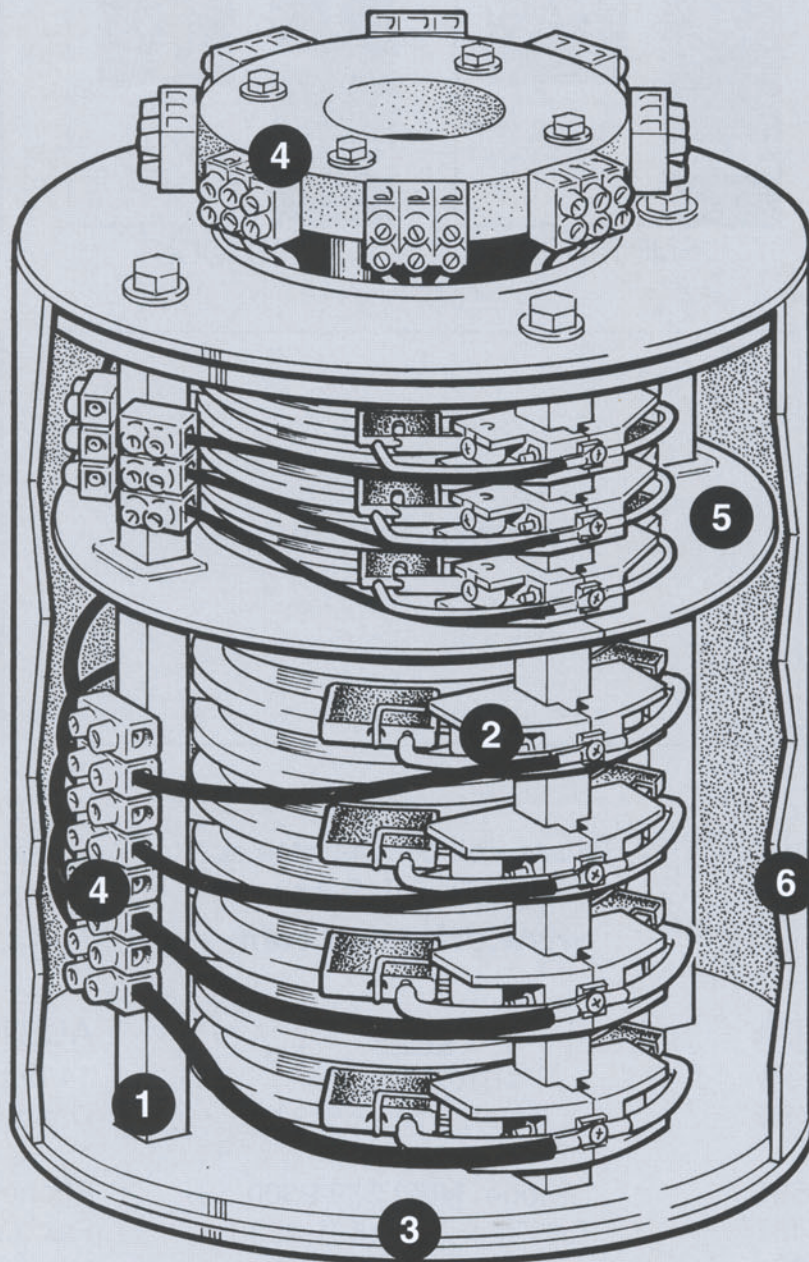


- Strong, insulating material.
- Resistant to environmental changes.
- Optional ball bearings available.



# R-Series Slip Rings

Industrial Electric Reels proudly introduces a major upgrade to our popular industrial slip ring line. Employing the latest in material and design technologies, we have developed a slip ring that uses self-adjusting, reliable, and easy-to-maintain modular components. The result is a cost effective, flexible, slip ring assembly that fits within roughly the same size envelope as our previous ring design. The wide number of amperage choices, bore sizes, configurations, and options make the IER "R-Series" slip ring a versatile component for all your slip ring needs. All assemblies are designed to meet UL class C requirements.



*The Leader In The Design And Manufacture of Custom Slip Rings.*

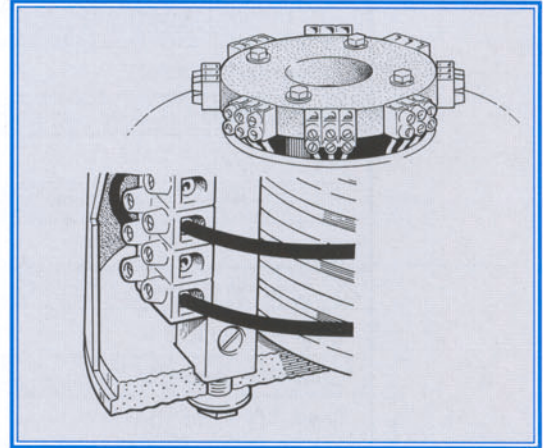


# More Optional Features

4

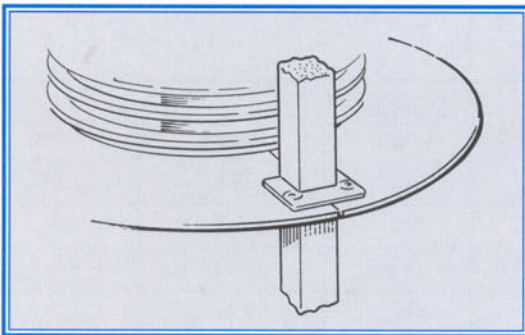
## Terminal Blocks

- Core lead terminal blocks for up to 36 conductors make connecting core wires easy.
- Brush lead terminal strips centralize all leads to one side of the ring.



## Cross Talk Shield

5

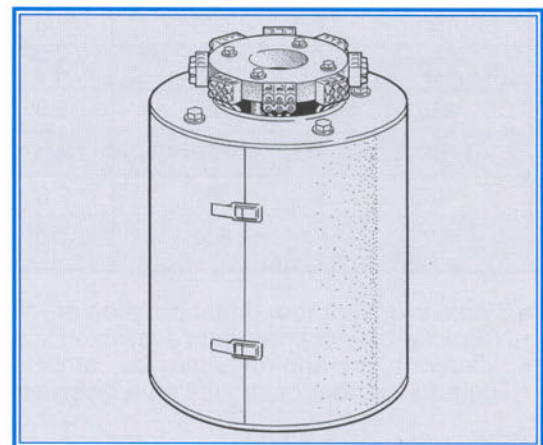


- Groundable barrier between signal and power sections helps prevent induced noise into signal rings.

6

## Protective Cover

- Stainless steel wrap-around cover.
- Unlatches and pulls away for easy access to ring.
- Meets NEMA 1 specifications.
- Other covers available for water tight, dust tight and explosion proof applications.



***Contact IER for Assistance in Selecting the Right Slip Ring for Your Application.***

***The Leader In The Design And Manufacture of Custom Slip Rings.***

# "R-SERIES" SLIP RING SPECIFICATIONS

All brushes and holders are preassembled to the brush carriage!

## BORE SIZES

| Through Bore<br>ID (-.000, + .005") | Approximate Dim (in.) |           |
|-------------------------------------|-----------------------|-----------|
|                                     | Swing O.D.            | Base Lgth |
| <b>Standard Bores:</b>              |                       |           |
| 1.5"                                | 8 1/4                 | 1 3/4     |
| 2.5"                                | 13                    | 2 5/8     |
| 4"                                  | 17 1/4                | 2 5/8     |
| 8"                                  | 20                    | 2 5/8     |
| <b>Custom Bores:</b>                |                       |           |
| Over 2.5" up to 3.5"                | 13                    | 2 5/8     |
| Over 4.0" up to 6.5"                | 17 1/4                | 2 5/8     |
| Over 8.0" up to 10.0"               | 20                    | 2 5/8     |

For bores sizes smaller than 1.5", or greater than 10", please contact IER

## PER CIRCUIT CAPACITIES

| Maximum Continuous: |               | Bore Range   | Approx. Per<br>Circuit Lgth (in.) | Materials: |       |      |
|---------------------|---------------|--------------|-----------------------------------|------------|-------|------|
| Amperage            | Voltage       |              |                                   | Holder     | Brush | Ring |
| Signal to 10        | Signal to 250 | 1.5" - 2.5"  | 0.29                              | Std.       | SG    | SP   |
| Signal to 10        | Signal to 600 | 4.0" - 10.0" | 0.63                              | Std.       | SG    | SP   |
| 15                  | 250           | 1.5" - 2.5"  | 0.29                              | Std.       | CG    | CA   |
| 35                  | 250           | 1.5" only    | 0.42                              | Std.       | CG    | CA   |
| 35                  | 600           | 1.5" - 10.0" | 0.63                              | Std.       | CG    | CA   |
| 75                  | 600           | 1.5" - 10.0" | 0.88                              | Std.       | CG    | CA   |
| 110                 | 600           | 1.5" - 10.0" | 1.51                              | Std.       | CG    | CA   |
| 150                 | 600           | 1.5" - 10.0" | 1.76                              | Std.       | CG    | CA   |
| 200                 | 600           | 2.5" - 10.0" | 1.76                              | DF         | CG    | C    |
| 220                 | 600           | 2.5" - 10.0" | 2.63                              | Std.       | CG    | CA   |
| 300                 | 600           | 2.5" - 10.0" | 3.51                              | Std.       | CG    | CA   |
| 400                 | 600           | 2.5" - 10.0" | 3.51                              | DF         | CG    | C    |
| 600                 | 600           | 2.5" - 10.0" | 5.26                              | DF         | CG    | C    |

- Single brush, or redundant brushes are available for all circuits.
- Narrow profile copper rings available for some circuits - contact IER.
- Different amperage rings may be combined on the same ring assembly.
- The total number of circuits on a given assembly may be limited - contact IER.

**KEY:** Std = Eng. plastic      SP = Silver Plated      DF = Dbl. Fabricated Brass      CA = Copper Alloy  
SG = Silver Graphite      C = Copper      CG = Copper Graphite

To estimate ring length use formula below:

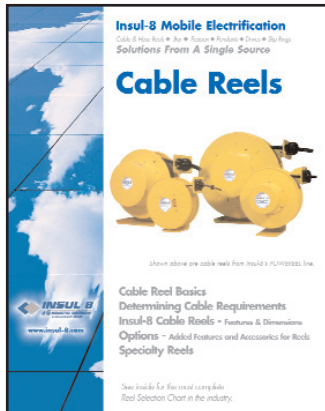
Base Length + (Circuit Length x # of Circuits) For rings 18" long or over, add 7/8" for center support.

*Let us help you specify an ideal ring for your application!*



# Solutions from a Single Source

ISO 9001 Certified



SPRING DRIVEN  
REELS



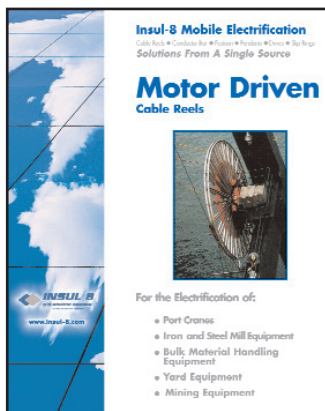
PUSH-BUTTON  
PENDANTS



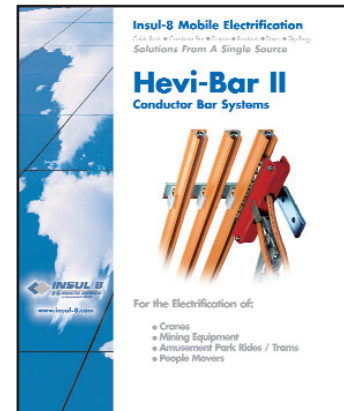
FESTOON



CONDUCTOR BAR



MOTOR DRIVEN  
REELS



CONDUCTOR BAR

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