



# RAYCHEM AS85049 ADAPTERS AND BAND STRAPS

THE INDUSTRY STANDARD FOR RUGGED, RELIABLE SHIELD  
TERMINATIONS . . . NOW WITH BLACK ZINC NICKEL PLATING

# AS85049 ADAPTERS AND BAND STRAPS

The Industry Standard for Rugged Reliable Shield Termination



## INDUSTRY STANDARD

- Meets AS85049 NAVAIR standards

## RELIABLE

- Self-coupling locking nut provides an improved mechanical protection against loosening under vibration
- Corrosion resistant

## EASY TO USE

- Band straps available flat for side entry or precoiled for end entry
- Side-entry band straps allow easier installation and repair

## VERSATILE

- Three band strap widths
- Cadmium, electroless nickel, or black zinc nickel plating

The AS85049 industry standard is used on most military circular connectors, including M38999. TE Connectivity (TE) offers a wide selection of sizes, materials and platings to meet your application needs.

The band strap termination system provides ease of installation and repair. TE offers the corrosion-resisting steel bands in three styles to help meet our customer's shield termination needs and termination tool of their choice.

## Product Performance

### APPLICATIONS

- Aerospace
- Marine
- Military Ground Vehicles
- Space-Based Systems

### MECHANICAL AND ELECTRIC PERFORMANCE

- **Qualification:** Meets AS85049 performance requirements

### MATERIALS

- **Bands Straps:** Stainless steel
- **Adapters:** Aluminum
- **Plating:** Cadmium, electroless nickel, or black zinc nickel

### STANDARDS AND SPECIFICATIONS

- **Application Specification:** MIP 102
- **Product Specification:** R85049
- **Military Specification:** AS85049/82 through /90 and /128

### APPLICATION TOOLING

- M85049/128-7 & 8      AS81306/1-02
- M85049/128-3 & 4      AS81306/1-01
- M85049/128-1 & 2      AS81306/2-01

## TE Components ... TE Technology ... TE Know-how ...

AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Raychem | Rochester | DEUTSCH

Get your product to market faster with a smarter, better solution.

### BAND STRAP PART NUMBERING

R85049/128 - X

Basic Part  
Number

Configuration

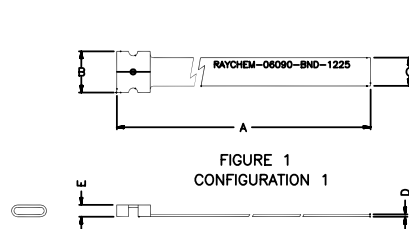


FIGURE 1  
CONFIGURATION 1

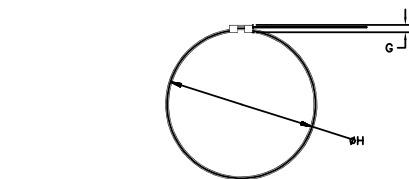


FIGURE 2  
CONFIGURATION 2 - PRE-COILED

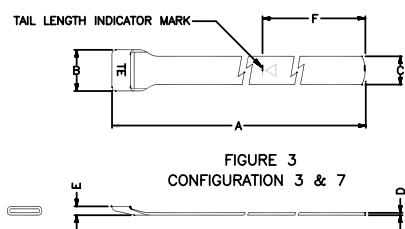


FIGURE 3  
CONFIGURATION 3 & 7

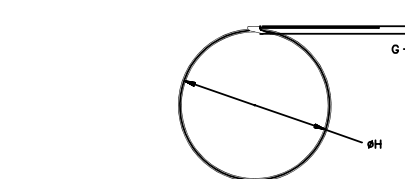


FIGURE 4  
CONFIGURATION 4 & 8 - PRE-COILED

TABLE 1 — FIGURES 1, 2, 3, AND 4 CONFIGURATIONS AND DIMENSIONS

| Config | Figure | A ± .060           | B ± .031       | C ± .010       | D Ref          | E Ref          | F Ref            | G Max          | H Ref            |
|--------|--------|--------------------|----------------|----------------|----------------|----------------|------------------|----------------|------------------|
| 1      | 1      | 14.00<br>(355.60)  | .328<br>(8.33) | .245<br>(6.22) | .019<br>(0.48) | .100<br>(2.54) | —                | —              | —                |
| 2      | 2      | —                  | —              | —              | —              | —              | —                | .140<br>(3.56) | 1.750<br>(44.46) |
| 3      | 3      | 14.256<br>(362.10) | .350<br>(8.89) | .250<br>(6.35) | .020<br>(0.51) | .130<br>(3.30) | 2.031<br>(51.59) | —              | —                |
| 4      | 4      | —                  | —              | —              | —              | —              | —                | .150<br>(3.81) | 1.750<br>(44.45) |
| 7      | 3      | 8.125<br>(206.38)  | .195<br>(4.95) | .120<br>(3.05) | .015<br>(0.38) | .053<br>(1.35) | 2.031<br>(51.59) | —              | —                |
| 8      | 4      | —                  | —              | —              | —              | —              | —                | .073<br>(1.85) | .860<br>(21.8)   |

### ADAPTER PART NUMBERING

R85049/ XX - 15 X 02

Product  
Designator

Specification  
Sheet

Specify /82  
through /90

Configuration:  
\*-\* (Dash) Detented  
Self-Locking

Shell Size

Finish

W = Cadmium

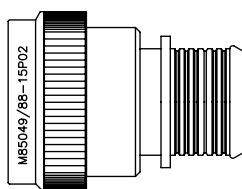
N = Nickel

Z = Black Zinc Nickel

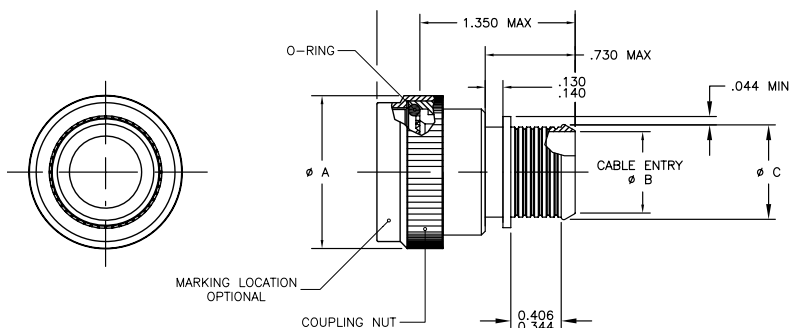
Entry Size

02 = Small

03 = Large



SELF-LOCKING  
SHIELD BAND TERMINATION  
SHRINK BOOT ACCOMMODATION ADAPTER



## For More Information

### TE Technical Support Center

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Consult TE for the latest dimensions and design specifications.