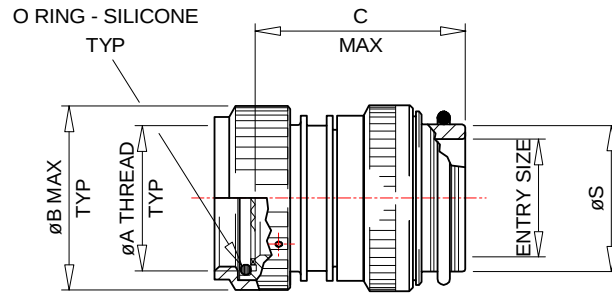
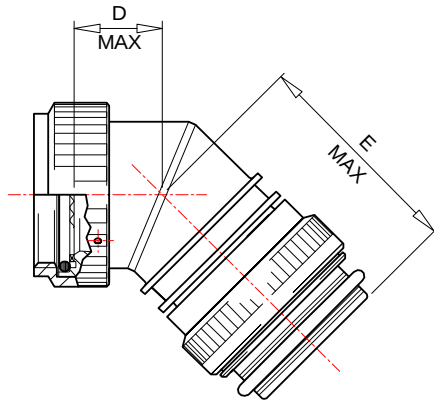
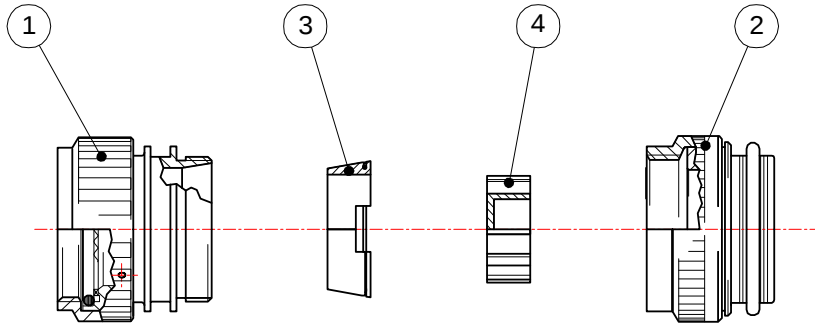


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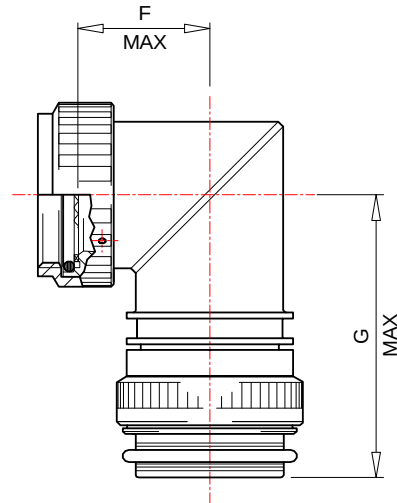
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**STRAIGHT ADAPTOR**  
- 00



**45° ADAPTOR**  
- 45



**90° ADAPTOR**  
- 90

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|                                                                                                                                                                     |                            |                                                                                                    |                           |
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| <p>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN<br/>MILLIMETERS.<br/>INCH DIMENSIONS ARE SHOWN IN<br/>BRACKETS</p>                                              |                            | <p>DOCUMENT NO.</p> <p><b>HEX40-AY-YY-YY-AYY-2-YY</b></p>                                          |                           |
| <p>DRAWN:</p> <p>IRT</p>                                                                                                                                            | <p>DATE:</p> <p>FEB 03</p> | <p>FILE:</p> <p>T31747</p>                                                                         | <p>SCALE:</p> <p>NONE</p> |
|                                                                                                                                                                     |                            | <p>SHEET:</p> <p>1 OF 4</p>                                                                        |                           |

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## KIT DESCRIPTION

| ITEM | DESCRIPTION                     | MATERIAL        |
|------|---------------------------------|-----------------|
| 1    | BODY ASSEMBLY                   | ALUMINIUM ALLOY |
| 2    | TINEL CLAMPING ADAPTOR ASSEMBLY | ALUMINIUM ALLOY |
|      | TINEL-LOCK™ RING                | TINEL-X™        |
| 3    | CONIC RING                      | ALUMINIUM ALLOY |
| 4    | STAR                            | ALUMINIUM ALLOY |

## TABLE OF DIMENSIONS

| Order Number | Shell Size |      | Tinel Entry Size | ØA Thread Class 6H | ØB Max          | ØC Max          | D Max           | E Max           | F Max           | G Max           | Ferrule Quantity |      |
|--------------|------------|------|------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------|
|              | Mil.       | Com. |                  |                    |                 |                 |                 |                 |                 |                 | Std.             | Opt. |
| 09           | A          | 09   | 05               | M12 x 1            | 19.0<br>[0.75"] | 38.5<br>[1.52"] | 14.4<br>[.57"]  | 38.5<br>[1.52"] | 17.9<br>[.70"]  | 42.0<br>[1.65"] | 1                | -    |
| 11           | B          | 11   | 08               | M15 x 1            | 22.0<br>[0.87"] | 38.5<br>[1.52"] | 14.9<br>[.59"]  | 39.0<br>[1.54"] | 19.4<br>[.76"]  | 43.5<br>[1.71"] | 2                | -    |
| 13           | C          | 13   | 10               | M18 x 1            | 25.5<br>[1.00"] | 38.5<br>[1.52"] | 15.9<br>[.63"]  | 39.5<br>[1.56"] | 20.9<br>[.82"]  | 45.0<br>[1.77"] | 3                | -    |
| 15           | D          | 15   | 12               | M22 x 1            | 30.5<br>[1.20"] | 38.5<br>[1.52"] | 16.4<br>[.65"]  | 40.5<br>[1.60"] | 22.4<br>[.88"]  | 46.5<br>[1.83"] | 5                | -    |
| 17           | E          | 17   | 14               | M25 x 1            | 33.5<br>[1.32"] | 38.5<br>[1.52"] | 16.9<br>[.67"]  | 41.0<br>[1.61"] | 23.9<br>[.94"]  | 48.0<br>[1.89"] | 6                | 7    |
| 19           | F          | 19   | 16               | M28 x 1            | 37.0<br>[1.46"] | 38.5<br>[1.52"] | 17.4<br>[.69"]  | 41.5<br>[1.63"] | 25.4<br>[1.00"] | 49.5<br>[1.95"] | 7                | 8    |
| 21           | G          | 21   | 18               | M31 x 1            | 38.5<br>[1.52"] | 38.5<br>[1.52"] | 18.4<br>[.72"]  | 42.5<br>[1.67"] | 27.4<br>[1.08"] | 51.5<br>[2.03"] | 9                | 11   |
| 23           | H          | 23   | 20               | M34 x 1            | 42.0<br>[1.65"] | 38.5<br>[1.52"] | 18.9<br>[.745"] | 43.0<br>[1.69"] | 28.9<br>[1.14"] | 53.0<br>[2.09"] | 10               | 13   |
| 25           | J          | 25   | 20               | M37 x 1            | 46.5<br>[1.83"] | 46.0<br>[1.81"] | 19.9<br>[.785"] | 51.5<br>[2.03"] | 30.4<br>[1.20"] | 62.0<br>[2.44"] | 12               | 18   |

| Tinel Entry Size | ØS                            |
|------------------|-------------------------------|
| 05               | 10.97/11.13<br>[0.432/0.438"] |
| 08               | 15.72/15.91<br>[0.619/0.626"] |
| 10               | 18.84/19.11<br>[0.742/0.752"] |
| 12               | 22.02/22.28<br>[0.867/0.877"] |

| Tinel Entry Size | ØS                            |
|------------------|-------------------------------|
| 14               | 25.17/25.46<br>[0.991/1.002"] |
| 16               | 28.34/28.63<br>[1.116/1.127"] |
| 18               | 31.52/31.81<br>[1.241/1.252"] |
| 20               | 34.69/34.98<br>[1.366/1.377"] |

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|                                                                                                                                                                         |                 |                                                                                             |                |                  |
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| <div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN<br/>MILLIMETERS.<br/>INCH DIMENSIONS ARE SHOWN IN<br/>BRACKETS</div>                                              |                 | DOCUMENT NO.<br><br><b>HEX40-AY-YY-YY-AYY-2-YY</b>                                          |                |                  |
| DRAWN:<br>IRT                                                                                                                                                           | DATE:<br>FEB 03 | FILE:<br>T31747                                                                             | SCALE:<br>NONE | SHEET:<br>2 OF 4 |

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## PART NUMBERING

HEX40 - A B - 00 - 21 - A9 - 2 - DS

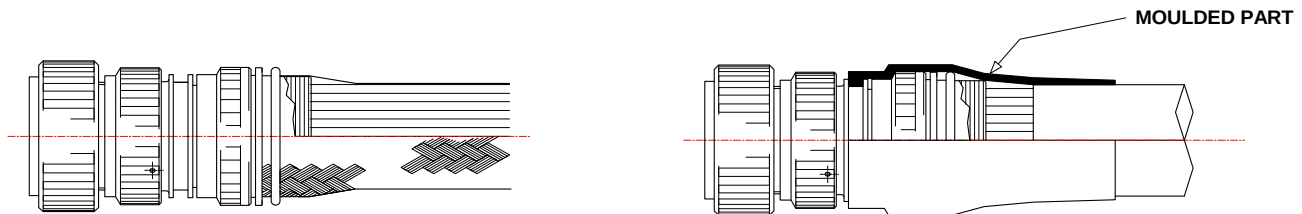
- CONNECTOR CODE NUMBER: \_\_\_\_\_  
HEX40 = MIL-C-38999 SERIES III AND IV
- MATERIAL CODE: \_\_\_\_\_  
A = ALUMINIUM ALLOY
- PLATING CODE: \_\_\_\_\_  
B = CADMIUM OLIVE DRAB TO QQ-P-416  
C = ELECTROLESS NICKEL TO MIL-C-26074
- BODY STYLE \_\_\_\_\_  
00 = STRAIGHT  
45 = 45°  
90 = 90°
- ORDER NUMBER \_\_\_\_\_
- FERRULE QUANTITY CODE \_\_\_\_\_
- 2 = TINEL CLAMPING ADAPTOR ASSEMBLY \_\_\_\_\_
- DS = DRILLED STAR - OPTIONAL - SEE NOTE 2 \_\_\_\_\_

## APPLICATION

- These adaptors are designed to be mounted on the following connectors:

MIL-C-38999 Series III and IV

- They are qualified to the Raychem specification RB-114, when installed on metallic Mil-Specification circular connectors only.
- They are designed for wire bundle installations having an overall braid terminated by means of a Tinel-Lock™ ring\*.
- They are also designed to accept Raychem heat shrink moulded parts where strain relief and sealing is required – see illustrations.



- Use in conjunction with the ferrules HET-A-\*\*\*, which are purchased separately. Refer to HET-A-\*\*\* S.C.D. for relevant selection details.
- \* Refer to TR S.C.D. for further information on Tinel-Lock™ rings.

## INSTALLATION

- See Installation Procedure RPIP-696-04.

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| <p>DRAWN:</p> <p>IRT</p>                                                                                                                                            | <p>DATE:</p> <p>FEB 03</p> | <p>FILE:</p> <p>T31747</p>                                                                         | <p>SCALE:</p> <p>NONE</p> |
|                                                                                                                                                                     |                            | <p>SHEET:</p> <p>3 OF 4</p>                                                                        |                           |

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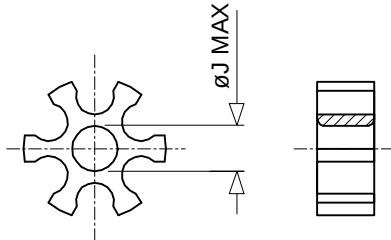
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## PACKAGING

- All components are supplied in a plastic bag.

## NOTES:

1. Item 4 - Star - is **not** supplied with Hexashield Order Number 09.
2. The DS option, illustrated below, is for a Drilled Star that is available on sizes 15 to 25 only. This option is to allow unshielded wires to pass through the assembly.

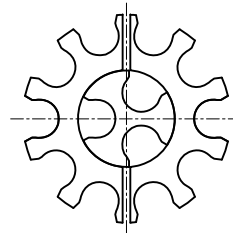


| STAR SIZE | 15             | 17             | 19             | 21              | 23              | 25              |
|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| ØJ MAX    | 3.0<br>[0.12"] | 6.0<br>[0.24"] | 9.0<br>[0.35"] | 12.0<br>[0.47"] | 15.0<br>[0.59"] | 18.0<br>[0.71"] |

3. Where the ferrule quantities required are standard, the item 4 - Star - is also standard.  
If the optional quantity is selected then 2 items 4 will be supplied - one "split" and the other one standard\*,  
See below for illustration.

EXAMPLE: FERRULE QUANTITY CODE -A13

-A13 = -A10 SPLIT STAR + -A3 STANDARD STAR



\* On Order Number 19 only, the Optional Ferrule quantity of 8 uses a "standard" star also.

4. Assembly is to be permanently marked with Code Identity Number and Part Number.  
(e.g. 06090 HEX40-AB-00-21-A9-2)

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| <p>DRAWN:</p> <p>IRT</p>                                                                                                                                            | <p>DATE:</p> <p>FEB 03</p> | <p>FILE:</p> <p>T31747</p>                                                                         | <p>SCALE:</p> <p>NONE</p> |
|                                                                                                                                                                     |                            | <p>SHEET:</p> <p>4 OF 4</p>                                                                        |                           |

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