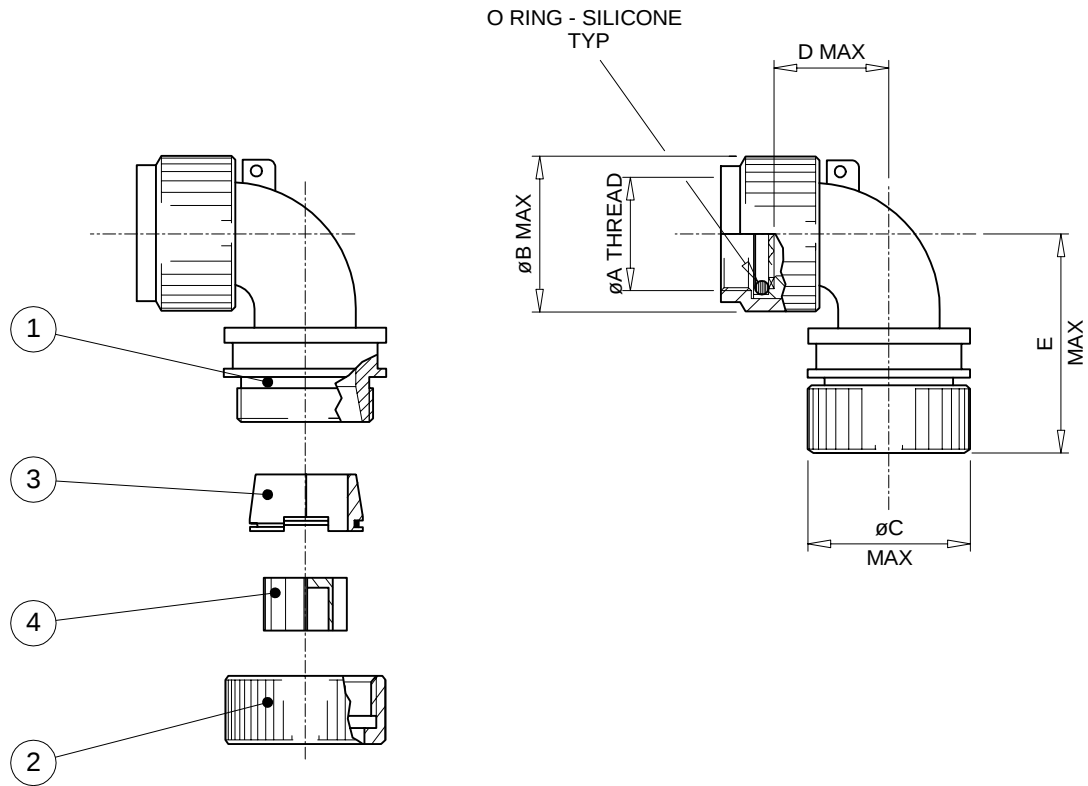


# SPECIFICATION CONTROL DRAWING

REV: B      DATE: Feb 6, 2018  
REV PER ECO 17-018324



## KIT DESCRIPTION

| ITEM | DESCRIPTION               | MATERIAL        |
|------|---------------------------|-----------------|
| 1    | BODY ASSEMBLY - 90° SWEEP | ALUMINIUM ALLOY |
| 2    | CLAMPING NUT - PLAIN      | ALUMINIUM ALLOY |
| 3    | CONIC RING                | ALUMINIUM ALLOY |
| 4    | STAR                      | ALUMINIUM ALLOY |

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|                                                                                                             |                 |                                                                                                                                                                                                                                                                           |  |                                                                                              |                       |
|-------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|-----------------------|
| <b>tyco / Electronics</b><br>Wire and Harnessing Products                                                   |                 | Raychem Wire and Harnessing Products<br>300 Constitution Drive<br>Menlo Park, CA 94025<br>USA                                                                                                                                                                             |  | TITLE:<br><b>HEXASHIELD SWEEP ADAPTOR<br/>FOR CODE 40 CONNECTORS-<br/>PLAIN CLAMPING NUT</b> |                       |
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|                                                                                                             |                 |                                                                                                                                                                                                                                                                           |  | SCALE:<br>NONE                                                                               | SHEET:<br>1 OF 4      |

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# SPECIFICATION CONTROL DRAWING

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## TABLE OF DIMENSIONS

| Order Number | Shell Size |      | ØA Thread Class 6H | ØB Max          | ØC Max          | D Max           | E Max           | Ferrule Quantity |      |
|--------------|------------|------|--------------------|-----------------|-----------------|-----------------|-----------------|------------------|------|
|              | Mil.       | Com. |                    |                 |                 |                 |                 | Std.             | Opt. |
| 09           | A          | 09   | M12 x 1            | 19.0<br>[0.75"] | 17.5<br>[.689]  | 15.0<br>[0.59"] | 32.0<br>[1.26"] | 1                | -    |
| 11           | B          | 11   | M15 x 1            | 22.0<br>[0.87"] | 21.5<br>[.846]  | 16.0<br>[0.63"] | 33.0<br>[1.30"] | 2                | -    |
| 13           | C          | 13   | M18 x 1            | 25.5<br>[1.00"] | 22.5<br>[.886]  | 19.0<br>[0.75"] | 34.0<br>[1.34"] | 3                | -    |
| 15           | D          | 15   | M22 x 1            | 30.5<br>[1.20"] | 28.5<br>[1.122] | 19.0<br>[0.75"] | 34.0<br>[1.34"] | 5                | -    |
| 17           | E          | 17   | M25 x 1            | 33.5<br>[1.32"] | 31.5<br>[1.240] | 21.0<br>[0.83"] | 35.0<br>[1.38"] | 6                | 7    |
| 19           | F          | 19   | M28 x 1            | 37.0<br>[1.46"] | 35.0<br>[1.378] | 23.0<br>[0.91"] | 37.0<br>[1.46"] | 7                | -    |
| 21           | G          | 21   | M31 x 1            | 38.5<br>[1.52"] | 38.0<br>[1.496] | 23.0<br>[0.91"] | 39.0<br>[1.54"] | 9                | 11   |
| 23           | H          | 23   | M34 x 1            | 42.0<br>[1.65"] | 41.0<br>[1.614] | 28.0<br>[1.10"] | 42.0<br>[1.65"] | 10               | 13   |
| 25           | J          | 25   | M37 x 1            | 46.5<br>[1.83"] | 46.0<br>[1.811] | 28.0<br>[1.10"] | 42.0<br>[1.65"] | 12               | 17   |

## PART NUMBERING

HEX40-A B-90S-21-A9-1-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-P416  
C = ELECTROLESS NICKEL TO MIL-C-26074
- BODY STYLE \_\_\_\_\_  
90S = 90° SWEPT
- ORDER NUMBER \_\_\_\_\_
- FERRULE QUANTITY CODE \_\_\_\_\_
- 1 = PLAIN CLAMPING NUT
- 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

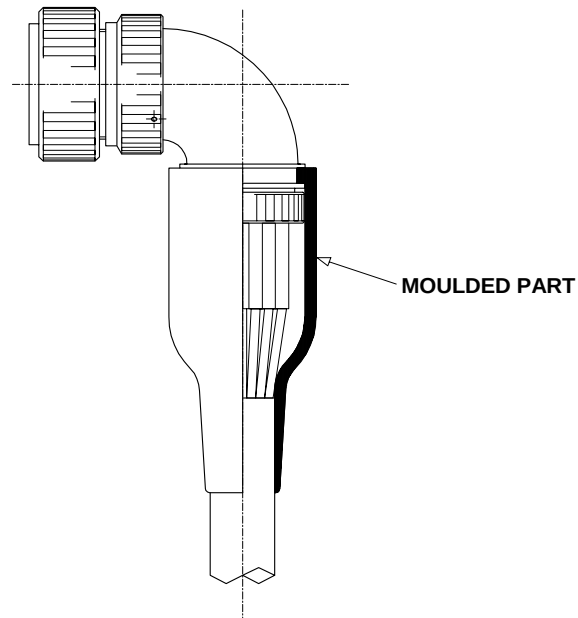
|                                                                                                                            |                        |                                                                                                                                                                                                                                                                                       |  |                                                                                                       |                                  |                       |                         |
|----------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-------------------------|
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- They are qualified to the Raychem specification RB-114, when installed on metallic Mil-Specification circular connectors only.
- They are designed primarily for open wire bundle installation but are also designed to accept Raychem heat shrink moulded parts where strain relief is required – see illustration on sheet 3.



- Use in conjunction with the ferrules HET-A-0XX, which are purchased separately. Refer to HET-A-0XX S.C.D. for relevant selection details.

## INSTALLATION

- See Installation Procedure RPIP-696-04.

## PACKAGING

- All components are supplied in a plastic bag.

|                                                                                                                                   |                         |                                                                                                                                                                                                                                                                                                  |                                                                                                         |                                                            |                                   |                        |                          |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------|------------------------|--------------------------|
| <div><p>Wire and Harnessing Products</p></div> |                         | <p>Raychem Wire and<br/>Harnessing Products<br/>300 Constitution Drive<br/>Menlo Park, CA 94025<br/>USA</p>                                                                                                                                                                                      | <p>TITLE:</p> <p><b>HEXASHIELD SWEPT ADAPTOR<br/>FOR CODE 40 CONNECTORS-<br/>PLAIN CLAMPING NUT</b></p> |                                                            |                                   |                        |                          |
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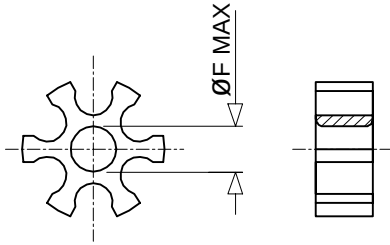
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## NOTES!

- Item 4 - Star - is **not** supplied with Hexashield Order Number 09.
- 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.

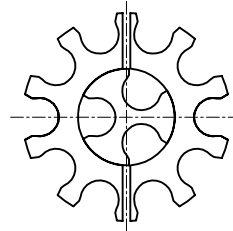


| STAR SIZE | 15             | 17             | 19             | 21              | 23              | 25              |
|-----------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| ØD MAX    | 3.0<br>[0.12"] | 6.0<br>[0.24"] | 9.0<br>[0.35"]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

- 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 sheet 4 for illustration.

EXAMPLE: FERRULE QUANTITY CODE -A13

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



- Assembly is to be permanently marked with Code Identity Number and Part Number.  
(e.g. 06090 HEX40-AB-90S-21-A9-1)

|                                                                                                                            |                 |                                                                                                                                                                                                                                                                                       |  |                                                                                                                                |                       |
|----------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <br><b>Wire and Harnessing Products</b> |                 | Raychem Wire and<br>Harnessing Products<br>300 Constitution Drive<br>Menlo Park, CA 94025<br>USA                                                                                                                                                                                      |  | TITLE:<br><b>HEXASHIELD SWEPT ADAPTOR<br/>                 FOR CODE 40 CONNECTORS-<br/>                 PLAIN CLAMPING NUT</b> |                       |
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**Наши контакты:**

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