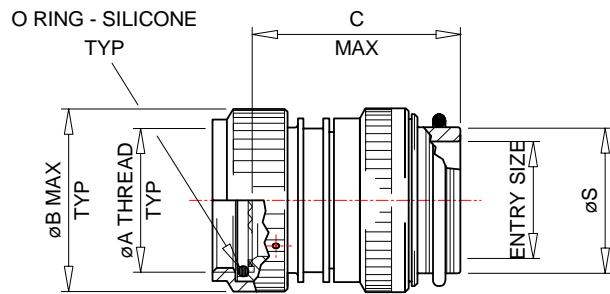


# CUSTOMER DRAWING

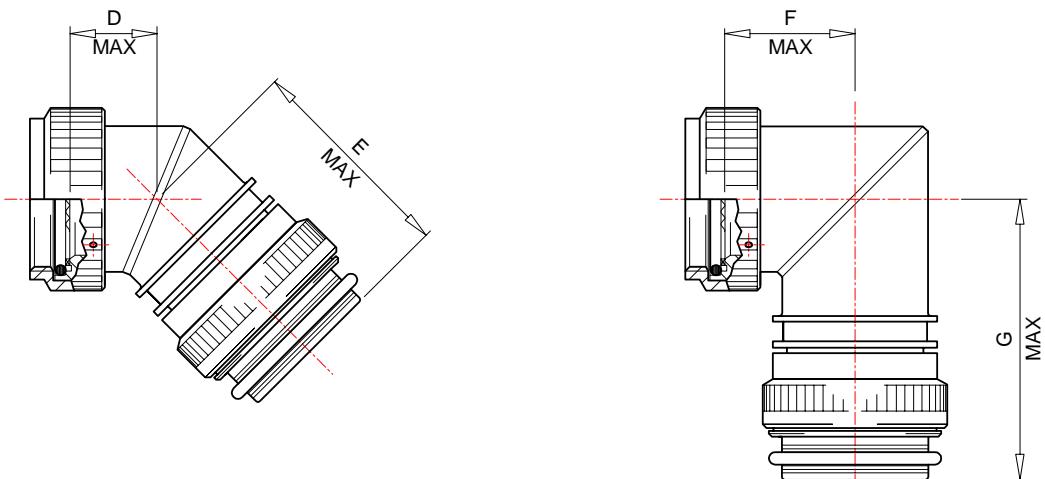
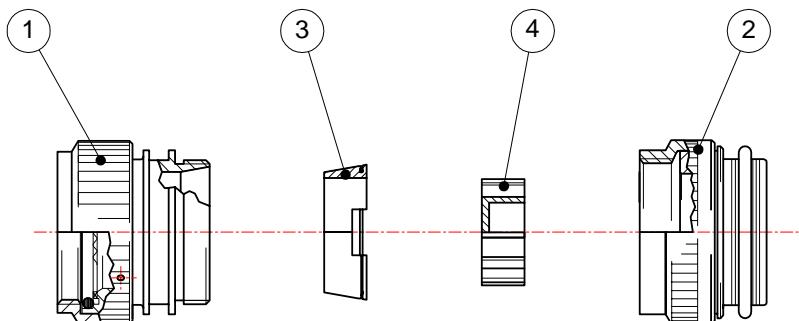
REV:  
A1

ECO #:  
09-012043

DATE:  
18 MAY 09



STRAIGHT ADAPTOR  
- 00



45° ADAPTOR  
- 45

90° ADAPTOR  
- 90

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Product Brand:  
**Raychem Adapters**

305 Constitution Drive  
Menlo Park, CA 94025, USA

TITLE:  
**HEXASHIELD ADAPTOR FOR  
CODE 40 CONNECTORS  
TINEL CLAMPING NUT**

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MILLIMETERS.  
INCH DIMENSIONS ARE SHOWN IN  
BRACKETS.

Tyco Electronics reserves the right to amend this  
drawing at any time. Users should evaluate the  
suitability of the product for their application.

DOCUMENT NO.

**HEX40-KC-YY-YY-AYY-2-YY**

DRAWN:  
A. BUI

DATE:  
13 MAY 09

APPROVED:  
M. PIOZET

DATE:  
13 MAY 09

CODE IDENT. NO:  
06090

SCALE:  
NONE

SHEET:  
1 OF 4

# CUSTOMER DRAWING

REV: A1 ECO #: 09-012043 DATE: 18 MAY 09

## KIT DESCRIPTION

ITEM	DESCRIPTION	MATERIAL
1	BODY ASSEMBLY	STAINLESS STEEL
2	TINEL CLAMPING ADAPTOR ASSEMBLY	STAINLESS STEEL
	TINEL-LOCK™ RING	TINEL-X™
3	CONIC RING	STAINLESS STEEL
4	STAR	STAINLESS STEEL

## 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 [0.75"]	38.5 [1.52"]	12.5 [0.49"]	38.5 [1.52"]	16.0 [0.63"]	42.0 [1.65"]	1	-
11	B	11	08	M15 x 1	22.0 [0.87"]	38.5 [1.52"]	13.0 [0.51"]	39.0 [1.54"]	17.5 [0.69"]	43.5 [1.71"]	2	-
13	C	13	10	M18 x 1	25.5 [1.00"]	38.5 [1.52"]	14.0 [0.55"]	39.5 [1.56"]	19.0 [0.75"]	45.0 [1.77"]	3	-
15	D	15	12	M22 x 1	30.5 [1.20"]	38.5 [1.52"]	14.5 [0.57"]	40.5 [1.60"]	20.5 [0.81"]	46.5 [1.83"]	5	-
17	E	17	14	M25 x 1	33.5 [1.32"]	38.5 [1.52"]	15.0 [0.59"]	41.0 [1.61"]	22.0 [0.87"]	48.0 [1.89"]	6	7
19	F	19	16	M28 x 1	37.0 [1.46"]	38.5 [1.52"]	15.5 [0.61"]	41.5 [1.63"]	23.5 [0.93"]	49.5 [1.95"]	7	8
21	G	21	18	M31 x 1	38.5 [1.52"]	38.5 [1.52"]	16.5 [0.65"]	42.5 [1.67"]	25.5 [1.00"]	51.5 [2.03"]	9	11
23	H	23	20	M34 x 1	42.0 [1.65"]	38.5 [1.52"]	17.0 [0.67"]	43.0 [1.69"]	27.0 [1.06"]	53.0 [2.09"]	10	13
25	J	25	20	M37 x 1	46.5 [1.83"]	46.0 [1.81"]	18.0 [0.71"]	51.5 [2.03"]	28.5 [1.12"]	62.0 [2.44"]	12	18

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

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

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 <b>Tyco Electronics</b>		Product Brand: <b>Raychem Adapters</b> 305 Constitution Drive Menlo Park, CA 94025, USA			TITLE: <b>HEXASHIELD ADAPTOR FOR CODE 40 CONNECTORS TINEL CLAMPING NUT</b>		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCH DIMENSIONS ARE SHOWN IN BRACKETS.		Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.			DOCUMENT NO.  <b>HEX40-KC-YY-YY-AYY-2-YY</b>		
DRAWN: A. BUI	DATE: 13 MAY 09	APPROVED: M. PIOZET	DATE: 13 MAY 09	CODE IDENT. NO: 06090	SCALE: NONE	SHEET: 2 OF 4	

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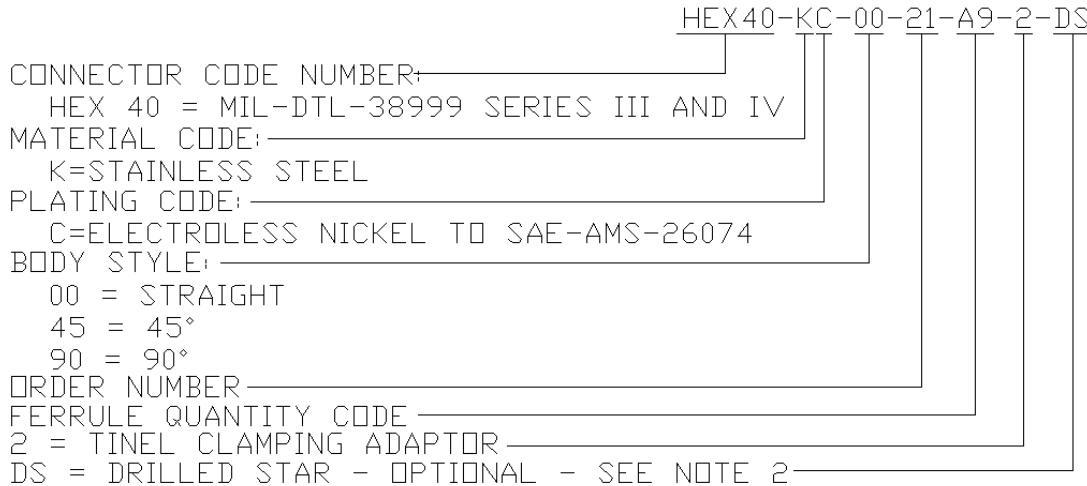
# CUSTOMER DRAWING

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18 MAY 09

## PART NUMBERING

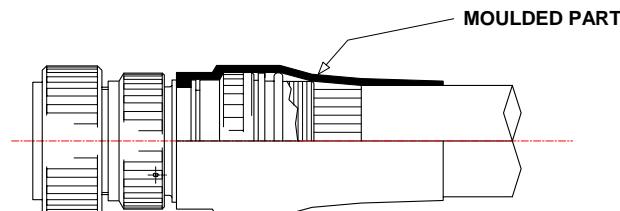
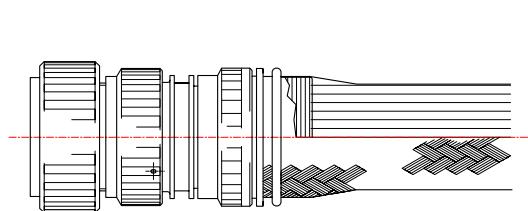


## APPLICATION

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

MIL-DTL-38999 Series III and IV

- They are qualified to the Tyco Electronics specification RB-114, when installed on metallic Mil-Specification circular connectors only.
- They are designed for wire bundle installations having a single 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-0XX, which are purchased separately. Refer to HET-A-0XX Customer Drawing for relevant selection details.
- \* Refer to TR Customer Drawing for further information on Tinel-Lock™ rings.

## INSTALLATION

- See Installation Procedure RPIP-696-04.

## PACKAGING

- All components are supplied in a plastic bag.

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DRAWN: A. BUI	DATE: 13 MAY 09	APPROVED: M. PIOZET		
DATE: 13 MAY 09	DATE: 13 MAY 09	CODE IDENT. NO.: 06090	SCALE: NONE	SHEET: 3 OF 4

# CUSTOMER DRAWING

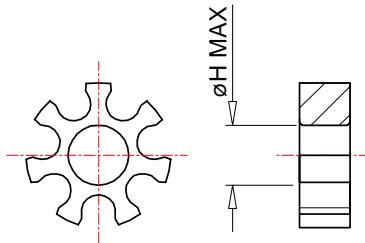
REV:  
A1

ECO #  
09-012043

DATE:  
18 MAY 09

## 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.



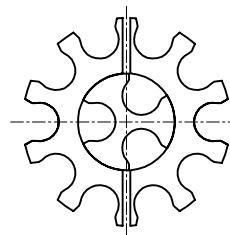
STAR SIZE	15	17	19	21	23	25
ØH MAX	3.0 [0.12"]	6.0 [0.24"]	9.0 [0.35"]	12.0 [0.47"]	15.0 [0.59"]	18.0 [0.71"]

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-KC-00-21-A9-2)

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DRAWN: A. BUI	DATE: 13 MAY 09	APPROVED: M. PIOZET	DATE: 13 MAY 09	CODE IDENT. NO: 06090	SCALE: NONE	SHEET: 4 OF 4

# Mouser Electronics

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