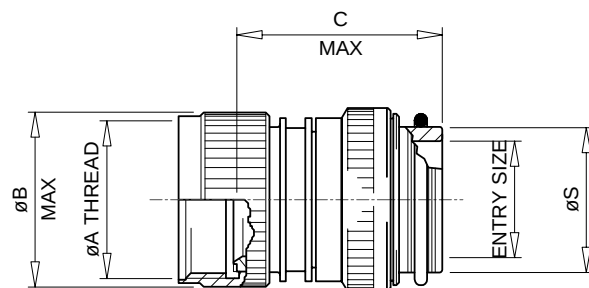
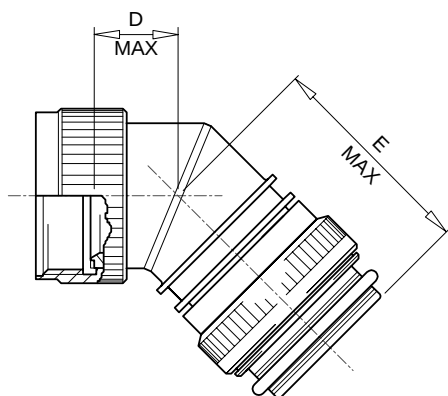
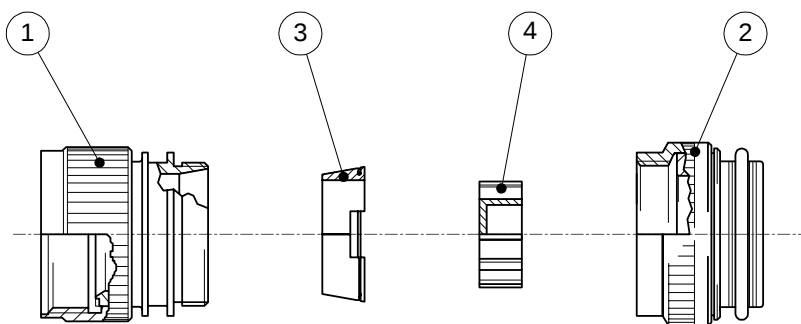


SPECIFICATION CONTROL DRAWING

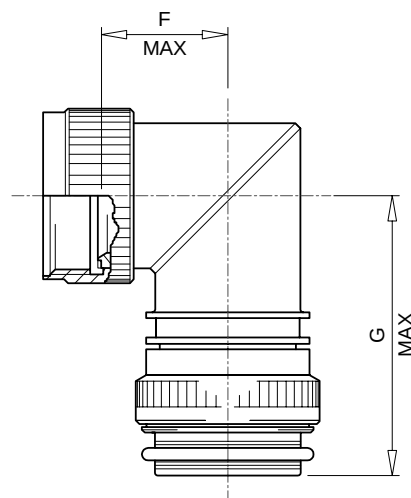
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STRAIGHT ADAPTOR
- 00



45° ADAPTOR
- 45



90° ADAPTOR
- 90

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tyco Electronics		Product Brand: Raychem 300 Constitution Drive Menlo Park, CA 94025, USA	TITLE: HEXASHIELD ADAPTOR FOR CODE 54 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. HEX54-AY-YY-YY-AYY-2-YY
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		SHEET: 1 OF 4		

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SPECIFICATION CONTROL DRAWING

REV: A	DCR # D060255	DATE: AUG 17, 2006
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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 (see overleaf)		Tinel Entry Size	ØA Thread UNF/UNEF-2B	ØB Max	ØC Max	D Max	E Max	F Max	G Max	Ferrule Quantity	
	Type A	Type B									Std.	Opt.
09	08	N/A	05	0.5000"-20	16.0 [0.63"]	38.5 [1.52"]	12.5 [0.49"]	38.5 [1.52"]	16.0 [0.63"]	42.0 [1.65"]	1	-
11	10	N/A	08	0.6250"-24	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	12	07	10	0.7500"-20	25.0 [0.98"]	38.5 [1.52"]	14.0 [0.55"]	39.5 [1.56"]	19.0 [0.75"]	45.0 [1.77"]	3	-
15	14	12	12	0.8750"-20	30.0 [1.18"]	38.5 [1.52"]	14.5 [0.57"]	40.5 [1.60"]	20.5 [0.81"]	46.5 [1.83"]	5	-
17	16	19	14	1.0000"-20	33.0 [1.30"]	38.5 [1.52"]	15.0 [0.59"]	41.0 [1.61"]	22.0 [0.87"]	48.0 [1.89"]	6	7
19	18	27	16	1.0625"-18	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	20	37	18	1.1875"-18	38.0 [1.50"]	38.5 [1.52"]	16.5 [0.65"]	42.5 [1.67"]	25.5 [1.00"]	51.5 [2.03"]	9	11
23	22	N/A	20	1.3125"-18	41.0 [1.61"]	38.5 [1.52"]	17.0 [0.67"]	43.0 [1.69"]	27.0 [1.06"]	53.0 [2.09"]	10	13
25	24	N/A	20	1.4375"-18	46.0 [1.81"]	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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SPECIFICATION CONTROL DRAWING

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PART NUMBERING

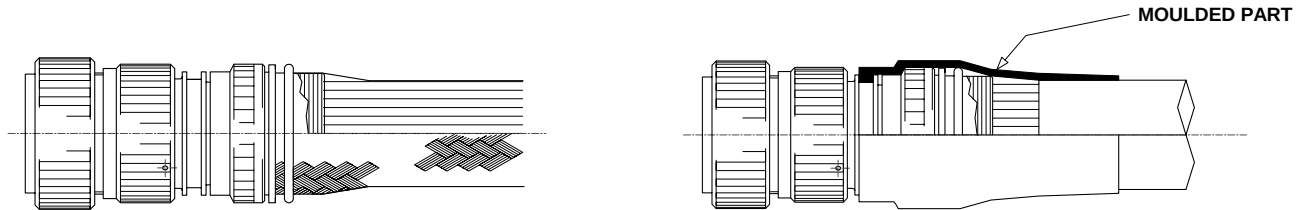
	HEX54	- A	B	- 00	- 21	- A9	- 2	- DS
- CONNECTOR CODE NUMBER	HEX54 = SEE APPLICATIONS							
- MATERIAL CODE:	A = ALUMINIUM ALLOY							
- PLATING CODE:	B = CADMIUM OLIVE DRAB TO QQ-P416 C = ELECTROLESS NICKEL TO MIL-C-26074							
- BODY STYLE	00 = STRAIGHT 45 = 45° 90 = 90°							
- ORDER NUMBER								
- 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-26482 Series II	)	
MIL-C-83723 Series I and III	)	Shell Size Type A
MIL-C-5015	)	
HE312	)	
MIL-C-81703 Series III	)	
HE312	)	Shell Size Type B
DBAD	)	

- 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 is required – see illustrations.



- 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.
- * Refer to TR S.C.D. for further information on Tinel-Lock™ rings.

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SPECIFICATION CONTROL DRAWING

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INSTALLATION

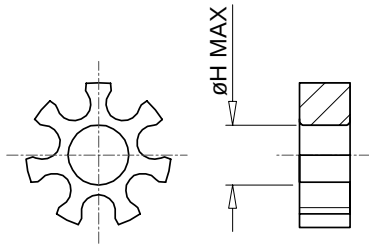
- See Installation Procedure RPIP-696-04.

PACKAGING

- All components are supplied in a plastic bag.

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.

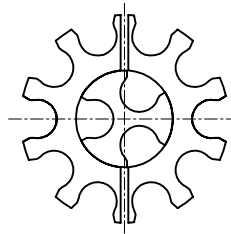


STAR SIZE	15	17	19	21	23	25
ØH MAX	3.0 [0.12"]	6.0 [0.24"]	9.0 [0.35"]	12.0 [0.47"]	15.0 [0.59"]	18.0 [0.71"]

- 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.

- Assembly is to be permanently marked with Code Identity Number and Part Number.
(e.g. 06090 HEX54-AB-00-21-A9-2)

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DRAWN: IRT	DATE: FEB 03			FILE: D060255	SCALE: NONE