

TE CONNECTIVITY (TE) RESERVES THE RIGHT TO CHANGE THIS DRAWING AT ANYTIME. USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.	REVISION			
	LTR	DESCRIPTION	DATE	APPROVED
	R	REVISED PER ECO-15-008666	06/09/2015	I. MYONG
	R1	REVISED PER RTS-1185705	10/27/2015	I. MYONG

SOLID:

201M9 08 - 19 B

PRODUCT DESIGNATOR

ORDER NUMBER

FOR CODE 18 DASH MAY BE REPLACED BY A LETTER (SEE TABLE III OF SCD 218M9XX)

MATERIAL (SEE TABLE I)

FINISH (SEE S-CH00-0157-002)

MODIFICATIONS (OMIT IF NOT REQUIRED)

201M908-19B - 20 M R ET N

OPTION FIELD SEPARATOR

20 - GROUNDING SCREW (SEE FIGURE 1)

M - STRAIN RELIEF HOLES (SEE FIGURE 2)

R - WITHOUT INTERFACE COMPRESSION RING (SEE FIGURE 6)

ET - EARTH TAG (UK USE ONLY) SEE FIGURE 7

OPTIONAL O-RING MATERIAL

(OMIT FOR STANDARD SILICONE, A-A-59588, GRADE 70: S59)

C: NEOPRENE PER SAE-AMS3209

U: FLOUROSILICONE PER SAE-AS7276, CLASS 1

N: NITRILE (BUNA N) PER SAE-AMS3215

V: FLUOROCARBON PER SAE-AS7276, CLASS 1

NOTES:

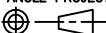
- DELETED-
- FOR ALIGNMENT REQUIREMENTS OF ANGLED BACKSHELLS, REFER TO SHEET 8.

©2015 TE CONNECTIVITY LTD. FAMILY OF COMPANIES. ALL RIGHTS RESERVED

TE CONNECTIVITY AND TE CONNECTIVITY (LOGO) ARE TRADEMARKS.

OTHER LOGOS PRODUCT AND/OR COMPANY NAMES MAY BE TRADEMARKS OF THEIR RESPECTIVE OWNERS.

Raychem Adapters
PRODUCTION SPECIFICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. REFERENCE METRIC DIMENSIONS ARE IN BRACKETS [metric]. DECIMALS TOLERANCES: XXX ± .005 [0.13mm] XX ± .01 [0.25mm] X ± .1 [0.50mm] ANGLES TOLERANCE: ± 1' SCALE: DO NOT SCALE THIS DRAWING	DRAWN: E. GOLDY	DATE: 05/12/1993	TE Connectivity				
	CHECKED: K. YEE	DATE: 05/08/2012	TITLE: GENERAL INFORMATION PACKAGE FOR SOLID, SPIN COUPLING AND SHIELDED ADAPTERS				
	APPROVED: I. MYONG	DATE: 06/11/2015					
	MATERIAL: SEE NOTES	FINISH: SEE NOTES					
	CAD FILE: CH00-0250-004.dwg	THIRD ANGLE PROJECTION: 	SIZE: A	SHEET: 1 OF 8	CAGE CODE: 06090	DRAWING NO: CH00-0250-004	REV. R1

SPIN-COUPLING:**201M1 08 - 19 B**

PRODUCT DESIGNATOR _____
 ORDER NUMBER _____
 FOR CODE 18 DASH MAY BE REPLACED BY
 A LETTER (SEE TABLE III OF SCD 218M9XX) _____
 MATERIAL (SEE TABLE I) _____
 FINISH (SEE S-CH00-0157-002) _____

MODIFICATIONS (OMIT IF NOT REQUIRED)**201M108-19B - D 20 L M ET N**

OPTION FIELD SEPARATOR _____
 D - DRAIN HOLES (SEE FIGURE 3) _____
 20 - GROUNDING SCREW (SEE FIGURE 1) _____
 L - LOCK WIRE HOLES (SEE FIGURE 4) _____
 M - STRAIN RELIEF HOLES (SEE FIGURE 2) _____
 ET - EARTH TAG (UK USE ONLY) SEE FIGURE 7 _____
 OPTIONAL O-RING MATERIAL _____

(OMIT FOR STANDARD SILICONE, A-A-59588, GRADE 70: S59)

C: NEOPRENE PER SAE-AMS3209

U: FLOUROSILICONE PER SAE-AS7276, CLASS 1

N: NITRILE (BUNA N) PER SAE-AMS3215

V: FLUOROCARBON PER SAE-AS7276, CLASS 1

Raychem Adapters
 PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
2 OF 8

DWG. NO.

CH00-0250-004

REV
R1

SHIELDED:**203M0 08 - 19 B 04**

PRODUCT DESIGNATOR _____

ORDER NUMBER _____

FOR CODE 18 DASH MAY BE REPLACED BY _____
A LETTER (SEE TABLE III OF SCD 218M9XX)

MATERIAL (SEE TABLE I) _____

FINISH (SEE S-CH00-0157-002) _____

ENTRY SIZE _____

MODIFICATIONS (OMIT IF NOT REQUIRED)**203M008-19B04 - G 12 DS L KNS N**

OPTION FIELD SEPARATOR _____

NAVSEA DESIGNATOR _____
(PARTS TO BE MARKED WITH NAVSEA NUMBER)
(SHELL SIZEOVER 24 ONLY, CSR REQUIRED)

NON-STANDARD SHIELD LENGTH DESIGNATOR _____
OMIT FOR STANDARD LENGTH, 6 INCHES MINIMUM
EXAMPLE: 12 INDICATES 12 INCH MINIMUM LENGTH

SHIELD MODIFICATION DESIGNATOR
OMIT FOR STANDARD SINGLE LAYERED TIN-PLATED COPPER SHIELD

DS - DOUBLE LAYERED TIN-PLATED COPPER _____

NB - NO SHIELD, GROUND RING SUPPLIED LOOSE

SI - SINGLE LAYER SILVER-PLATED COPPER

EX - BENTLY HARRIS EXPANDO HR (HALAR)

NS - NO SHIELD, RING MAGNEFORMED TO ADAPTER

NI - SINGLE LAYER NICKEL-PLATED COPPER SHIELD

L - LOCK WIRE HOLES (SEE FIGURE 4) MANUFACTURER'S OPTION _____

KNS - MAGNEFORM PROFILE REPLACED BY KNURLED BOOT GROOVE _____
FOR UK USE ONLY (SEE FIGURE 8)

OPTIONAL O-RING MATERIAL _____
(OMIT FOR STANDARD SILICONE, A-A-59588, GRADE 70: S59)
C: NEOPRENE PER SAE-AMS3209
U: FLOUROSILICONE PER SAE-AS7276, CLASS 1
N: NITRILE (BUNA N) PER SAE-AMS3215
V: FLUOROCARBON PER SAE-AS7276, CLASS 1
Y: NO O-RING SUPPLIED

TABLE I: MATERIAL NUMBER CROSS REFERENCE

NUMBER	DESCRIPTION
01	NICKEL ALUMINUM BRONZE PER ASTM B150
19	ALUMINUM ALLOY PER SAE AMS-QQ-A-225
62	STAINLESS STEEL PER SAE AMS-QQ-S-763

Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
3 OF 8

DWG. NO.

CH00-0250-004

REV
R1

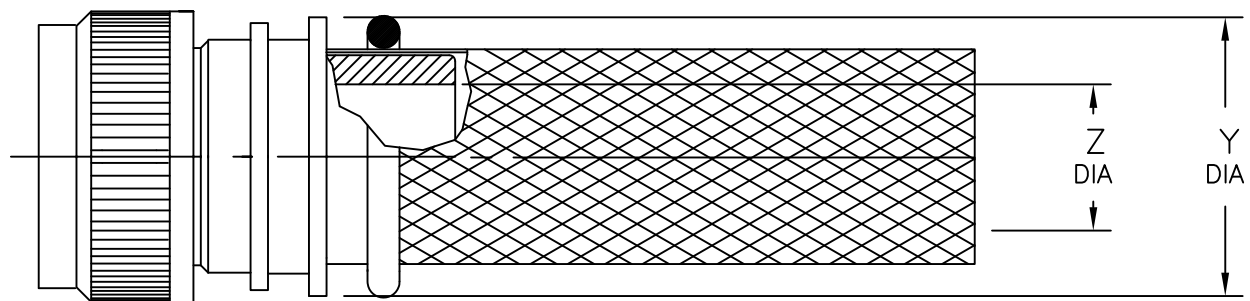
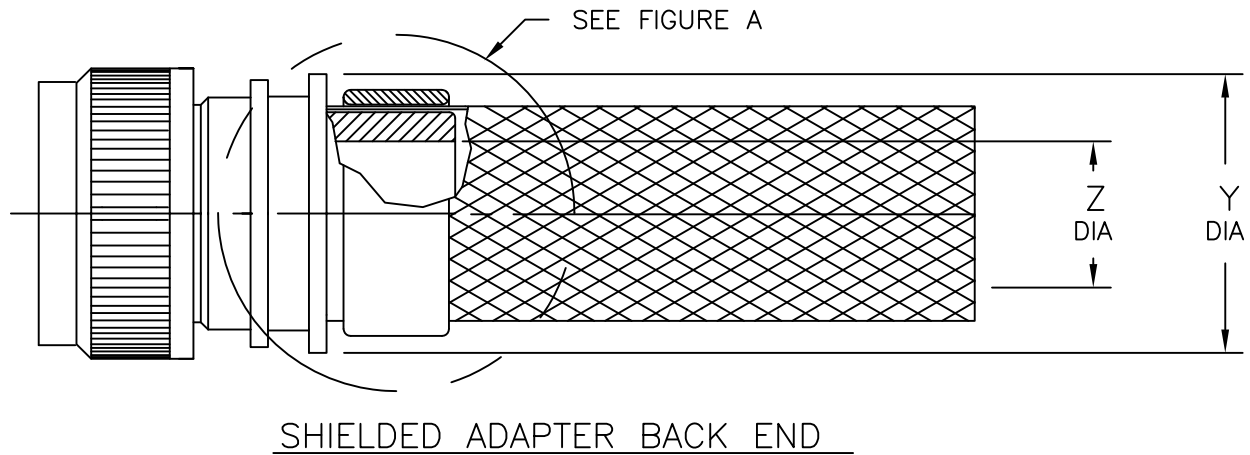


FIGURE A 1

NOTES:

- 1 BRAID TERMINATION RING MAY BE SUPPLIED AS TINEL-LOCK SHAPE MEMORY RING AT MANUFACTURER'S OPTION, REFER TO CH00-0250-008 SHEET 4 OF 8 FOR DETAILS.

ENTRY SIZE	Z ±.020 [±0.51]	Y MIN
03	.187 [4.75]	.393 [9.98]
04	.250 [6.35]	.456 [11.58]
05	.312 [7.92]	.515 [13.08]
06	.375 [9.53]	.581 [14.76]
07	.438 [11.13]	.643 [16.33]
08	.500 [12.70]	.705 [17.91]
09	.562 [14.27]	.705 [17.91]
10	.625 [15.88]	.831 [21.11]
11	.688 [17.48]	.893 [22.68]
12	.750 [19.05]	.953 [24.21]
13	.812 [20.62]	.953 [24.21]
14	.875 [22.23]	1.081 [27.46]
15	.938 [23.83]	1.143 [29.03]
16	1.000 [25.40]	1.205 [30.61]
18	1.125 [28.58]	1.381 [35.08]
20	1.250 [31.75]	1.506 [38.25]
22	1.375 [34.93]	1.631 [41.43]
24	1.500 [38.10]	1.756 [44.60]

Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
4 OF 8

DWG. NO.

CH00-0250-004

REV
R1

FIGURE 1
GROUNDING SCREW
(SOLID AND SPIN
COUPLING ADAPTERS
ONLY)

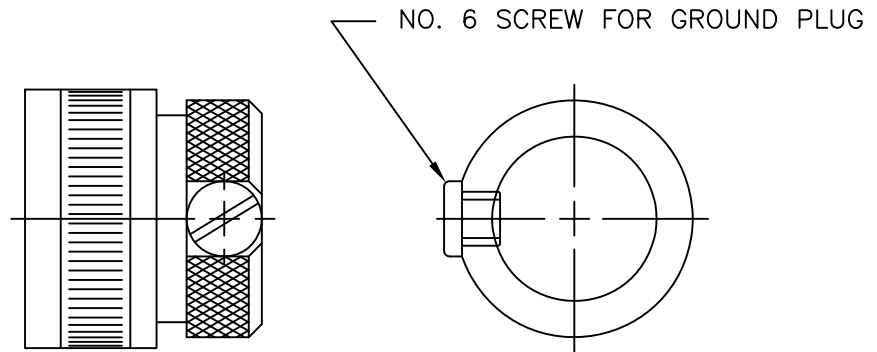


FIGURE 2
STRAIN RELIEF HOLES
(SOLID AND SPIN COUPLING
ADAPTERS ONLY)

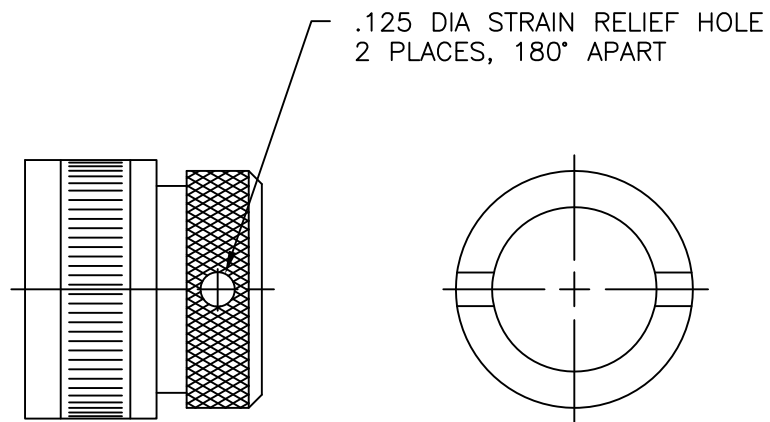
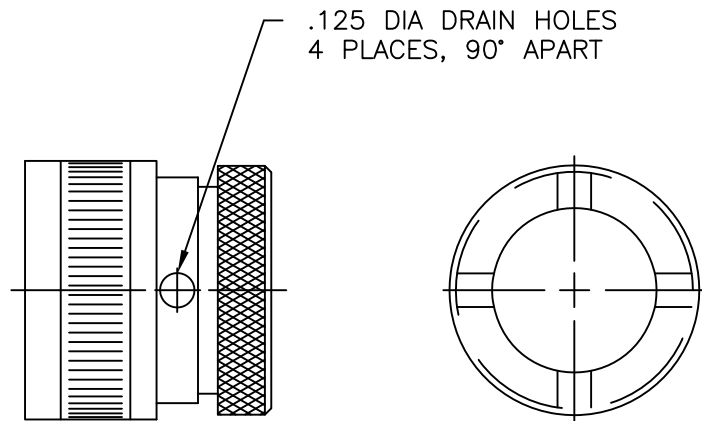


FIGURE 3
DRAIN HOLES
(SPIN COUPLING
ADAPTERS ONLY)



Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
5 OF 8

DWG. NO.

CH00-0250-004

REV
R1

FIGURE 4
LOCK WIRE HOLES
(SPIN COUPLING AND
MAGNEFORM ADAPTERS
ONLY)

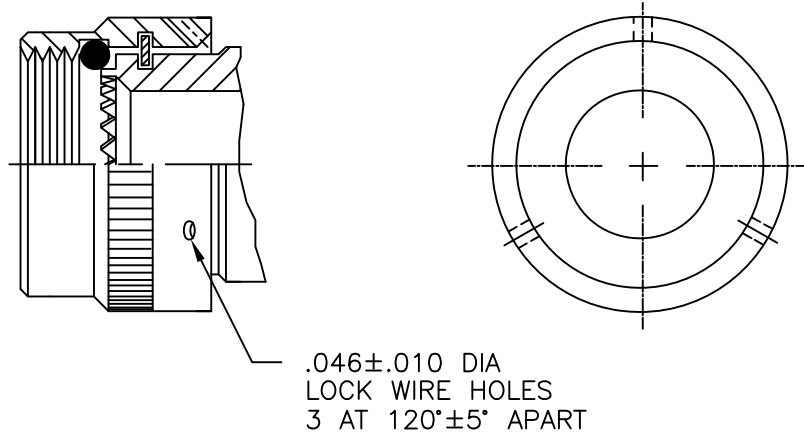
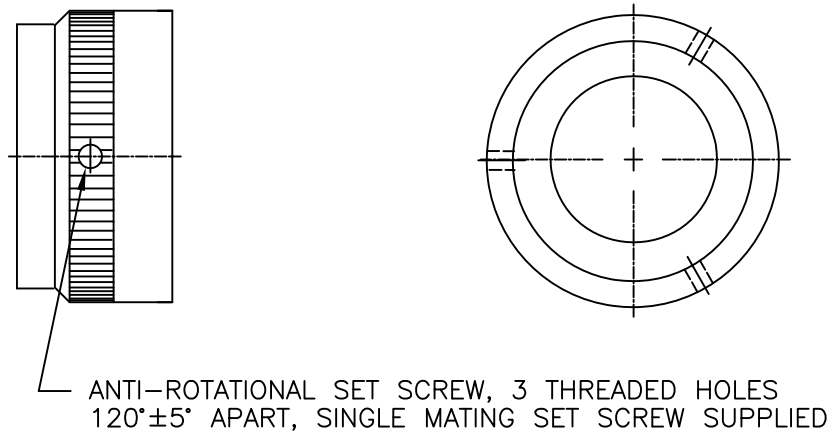


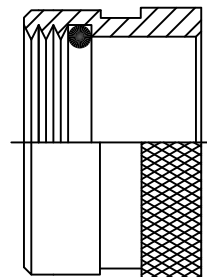
FIGURE 5
SET SCREW
(SPIN COUPLING AND
SHIELDED ADAPTERS
ONLY)



NOTES:

1. REQUIRED FOR CONNECTOR CODES 15, 18, 19, 32, 21, 51, 52.
2. THREE TAPPED HOLES IN COUPLING RING, ONE SET SCREW SUPPLIED.

FIGURE 6
SOLID ADAPTER
(WITHOUT INTERFACE
COMPRESSION RING)



Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
6 OF 8

DWG. NO.

CH00-0250-004

REV
R1

ROSS COURTNEY TAG
NO. 164 $(.075 \pm .005 \text{ } [1,9 \pm 0,13])$

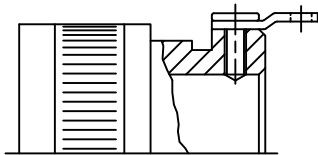
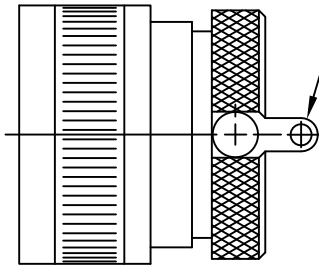


FIGURE 7
"ET" MODIFICATION

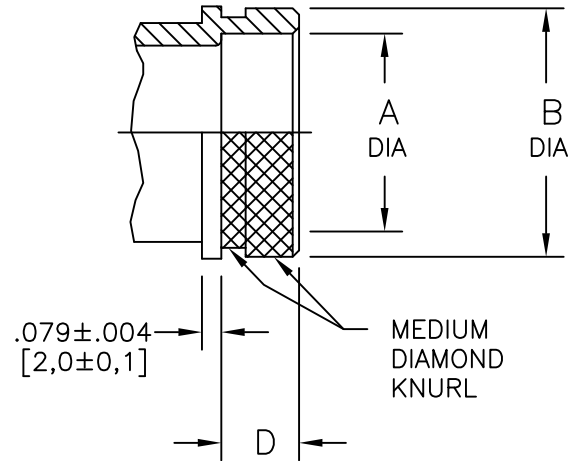


FIGURE 8
"KNS" MODIFICATION

ENTRY SIZE	ϕA $\pm .004$ [$\pm 0,1$]	ϕB MAX	D $\pm .004$ [$\pm 0,1$]
03, 04	.252 [6,4]	.472 [12,0]	.472 [12,00]
05, 06	.374 [9,5]	.610 [15,5]	.472 [12,00]
07, 08, 09	.563 [14,3]	.787 [20,0]	.413 [10,50]
10, 11, 12	.748 [19,0]	.965 [24,5]	.512 [13,00]
13, 14, 15	.937 [23,8]	1.220 [31,0]	.591 [15,00]
16, 18, 20	1.252 [31,8]	1.516 [38,5]	.669 [17,00]
22, 24	1.614 [41,0]	1.909 [48,5]	.807 [20,5]

Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
7 OF 8

DWG. NO.

CH00-0250-004

REV
R1

ALIGNMENT REQUIREMENT

FIGURE 9

APPLIES TO CODES
54, 40 AND 41

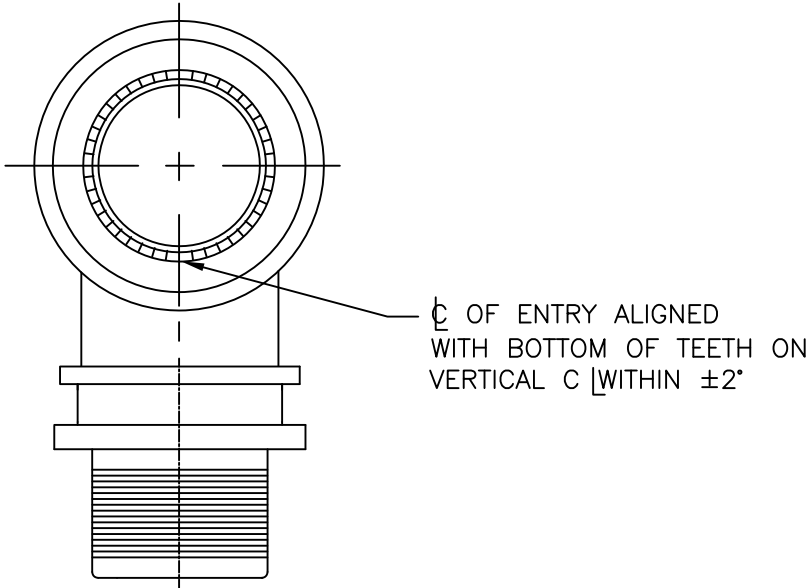
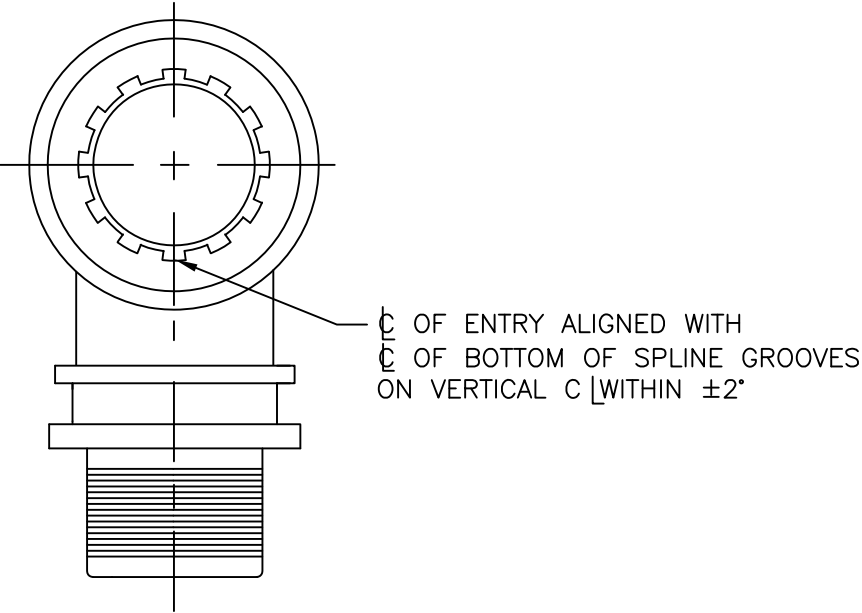


FIGURE 10

APPLIES TO CODES
61 AND 30



NOTES:

1. 90° CONFIGURATION DEPICTED. THIS REQUIREMENT WILL APPLY TO ANY ANGULAR CONFIGURATION.

Raychem Adapters
PRODUCTION SPECIFICATION



DO NOT
SCALE THIS
DRAWING

SIZE
A

CAGE
06090

SHEET
8 OF 8

DWG. NO.

CH00-0250-004

REV

R1