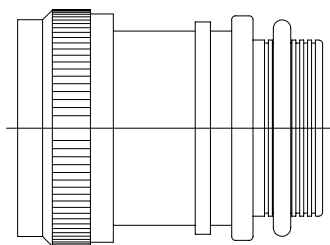


| REVISIONS |                         |      |          |
|-----------|-------------------------|------|----------|
| LTR       | DESCRIPTION             | DATE | APPROVED |
| D         | REVISED PER ECN AD93073 |      |          |



## CODE 61 TINEL-LOCK ADAPTER

### NOTES:

- THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
- SEE CH00-0250-008 FOR ORDERING INFORMATION, MODIFICATIONS AND ADDITIONAL DIMENSIONS.
- SEE DRAWING "TR" FOR DETAILS ON TINEL-LOCK RING. RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY. ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOR WHEN INSTALLATION TEMPERATURE IS REACHED.
- ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENT. NO. AND PART NO. LESS RING DESIGNATOR (E.G.: 06090-TXR61AB00-1206). RINGS SHALL BEAR NO MARKING.
- FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
- ADAPTER MATES TO MIL-C-81511, SERIES 1, 2, 3 AND 4, CLASS A, C, E, F, P AND T. M81511/1, /5, /6, /21, /23, /25, /26, /31, /32, /33, /34, /35, /36, /37, /38, /44, /45, /46, /49, /51, /53, /55 AND /56 CONNECTORS.
- THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED. (MOD. CODE "S").

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Check for the latest revision.

## SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
METRIC DIMENSIONS ARE  
IN BRACKETS.

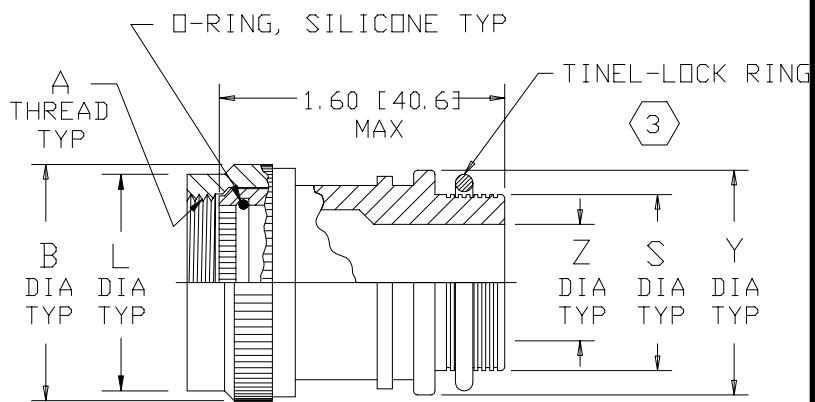
### DECIMALS

.XXX ± — [ mm]  
.XX ± — [ mm]  
.X ± — [ mm]

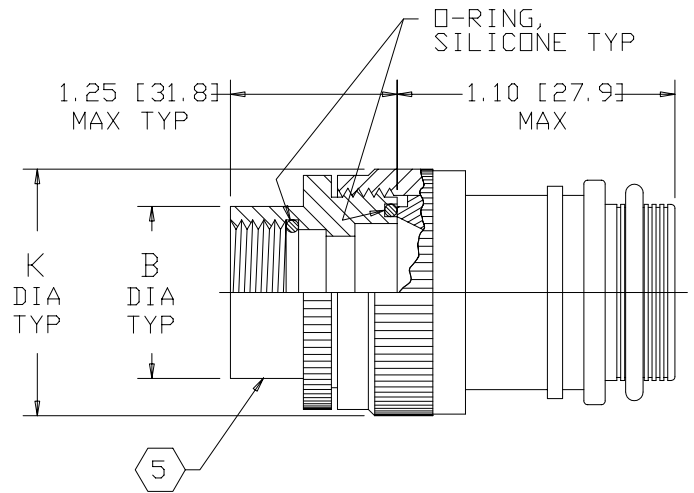
### ANGLES

.X ± —

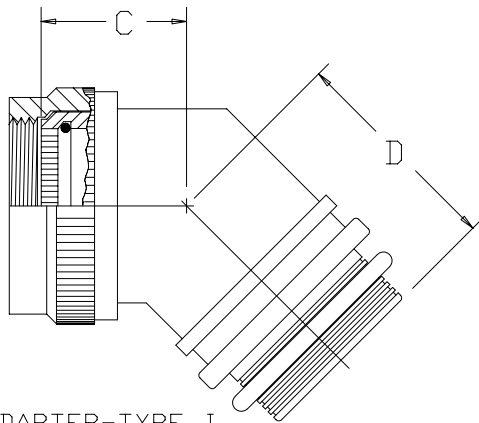
|                        |                  |                                   |                                                                                        |                   |                |
|------------------------|------------------|-----------------------------------|----------------------------------------------------------------------------------------|-------------------|----------------|
| DRAWN<br>E. GOLDY      | DATE<br>07-23-93 | <b>tyco</b><br><b>Electronics</b> | Tyco Electronics Corporation<br>300 Constitution Drive<br>Menlo Park, CA. 94025 U.S.A. |                   | <b>Raychem</b> |
| CHECKED                | DATE             |                                   |                                                                                        |                   |                |
| APPROVED               | DATE             | TITLE<br><br>TINEL-LOCK™ ADAPTER  |                                                                                        |                   |                |
| APPROVED               | DATE             |                                   |                                                                                        |                   |                |
| CAD NAME \ACAD12\TXR61 |                  |                                   |                                                                                        |                   |                |
| THIRD ANGLE PROJECTION |                  | SIZE<br>A                         | CODE IDENT. NO.<br>06090                                                               | DWG. NO.<br>TXR61 | REV<br>D       |
|                        |                  | DO NOT SCALE THIS DWG             |                                                                                        | SHEET 1 OF 3      |                |



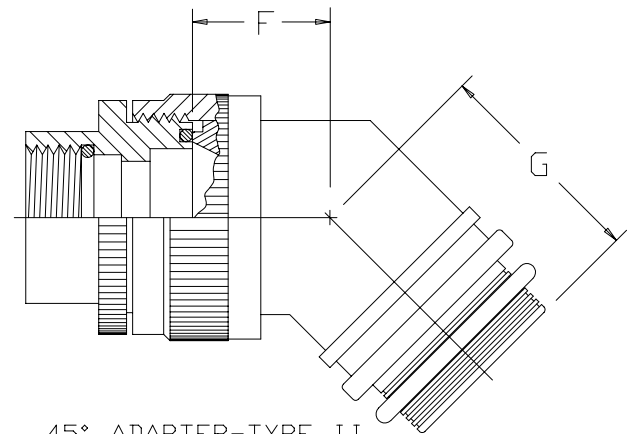
STRAIGHT ADAPTER-TYPE I



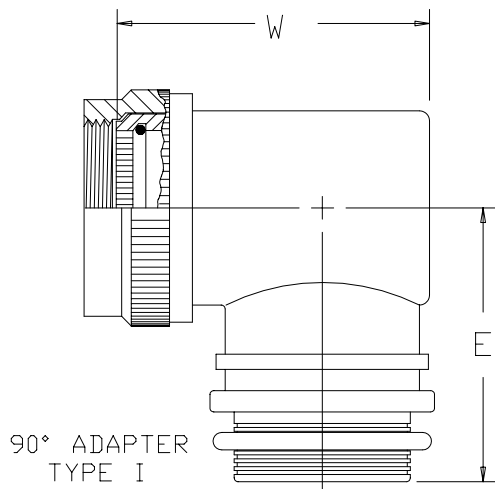
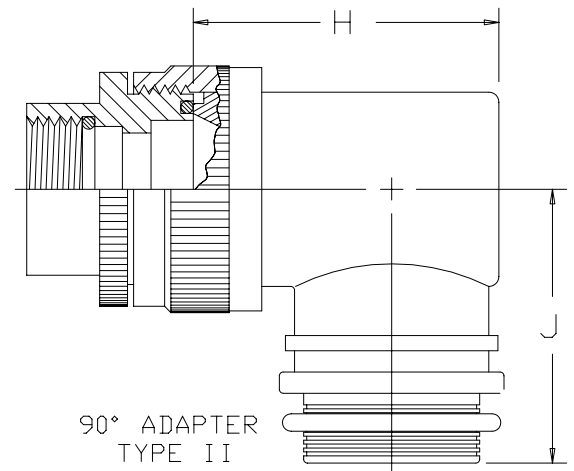
STRAIGHT ADAPTER-TYPE II



45° ADAPTER-TYPE I



45° ADAPTER-TYPE II

90° ADAPTER  
TYPE I90° ADAPTER  
TYPE II

| TABLE I   |                                                                                              |     |                                                                                                         |                           |                |                                                                                                |                |                |                |                |
|-----------|----------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------|---------------------------|----------------|------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|
| ORDER NO. | SHELL SIZE  |     | MAX ENTRY SIZE TYPE I  | A<br>UNIFIED THD CLASS 2B | B<br>DIA MAX   | B <br>DIA MAX | C<br>MAX       | D<br>MAX       | E<br>MAX       | L<br>MAX       |
|           | COML                                                                                         | MIL |                                                                                                         |                           |                |                                                                                                |                |                |                |                |
| 08        | 8                                                                                            | A   | 06                                                                                                      | .500-28 UNEF              | .86<br>[21.8]  | 1.05<br>[26.7]                                                                                 | 1.10<br>[27.9] | .93<br>[23.6]  | 1.18<br>[30.0] | .57<br>[14.5]  |
| 10        | 10                                                                                           | B   | 08                                                                                                      | .625-28 UN                | .98<br>[24.9]  | 1.17<br>[29.7]                                                                                 | 1.12<br>[28.4] | .96<br>[24.4]  | 1.25<br>[31.8] | .70<br>[17.8]  |
| 14        | 14                                                                                           | D   | 12                                                                                                      | .875-28 UN                | 1.23<br>[31.2] | 1.42<br>[36.1]                                                                                 | 1.18<br>[30.0] | 1.00<br>[25.4] | 1.37<br>[34.8] | .95<br>[24.1]  |
| 16        | 16                                                                                           | E   | 14                                                                                                      | 1.000-28 UN               | 1.36<br>[34.5] | 1.55<br>[39.4]                                                                                 | 1.20<br>[30.5] | 1.02<br>[25.9] | 1.44<br>[36.6] | 1.07<br>[27.2] |
| 18        | 18                                                                                           | F   | 16                                                                                                      | 1.125-28 UN               | 1.48<br>[37.6] | 1.67<br>[42.4]                                                                                 | 1.23<br>[31.2] | 1.05<br>[26.7] | 1.50<br>[38.1] | 1.20<br>[30.5] |
| 20        | 20                                                                                           | G   | 18                                                                                                      | 1.250-28 UN               | 1.63<br>[41.4] | 1.82<br>[46.2]                                                                                 | 1.25<br>[31.8] | 1.08<br>[27.4] | 1.57<br>[39.9] | 1.32<br>[33.5] |
| 22        | 22                                                                                           | H   | 20                                                                                                      | 1.375-28 UN               | 1.73<br>[43.9] | 1.92<br>[48.8]                                                                                 | 1.28<br>[32.5] | 1.10<br>[27.9] | 1.62<br>[41.1] | 1.45<br>[36.8] |
| 24        | 24                                                                                           | J   | 22                                                                                                      | 1.500-28 UN               | 1.86<br>[47.2] | 2.05<br>[52.0]                                                                                 | 1.30<br>[33.0] | 1.14<br>[29.0] | 1.68<br>[42.7] | 1.57<br>[39.9] |

| TABLE II   |                     |                                |                       |                |                |                |                |                |                |
|------------|---------------------|--------------------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| ENTRY SIZE | Z<br>+.010<br>-.020 | S<br>DIA                       | Y<br>±.015<br>[±0.38] | W<br>MAX       | F<br>MAX       | G<br>MAX       | H<br>MAX       | J<br>MAX       | K<br>MAX       |
| 04         | .250<br>[6.35]      | .376 [9.56]<br>.370 [9.39]     | .550<br>[13.97]       | 1.39<br>[35.3] | N/A            | N/A            | N/A            | N/A            | N/A            |
| 05         | .312<br>[7.92]      | .438 [11.13]<br>.432 [10.97]   | .612<br>[15.54]       | 1.46<br>[37.1] | N/A            | N/A            | N/A            | N/A            | N/A            |
| 06         | .375<br>[9.52]      | .501 [12.73]<br>.495 [12.57]   | .675<br>[17.14]       | 1.52<br>[38.6] | N/A            | N/A            | N/A            | N/A            | N/A            |
| 07         | .437<br>[11.09]     | .563 [14.31]<br>.556 [14.12]   | .737<br>[18.71]       | 1.58<br>[40.1] | .80<br>[20.3]  | .95<br>[24.1]  | 1.38<br>[35.1] | 1.22<br>[31.0] | .92<br>[23.4]  |
| 08         | .500<br>[12.70]     | .626 [15.91]<br>.619 [15.72]   | .800<br>[20.32]       | 1.64<br>[41.7] | .80<br>[20.3]  | .95<br>[24.1]  | 1.38<br>[35.1] | 1.22<br>[31.0] | .92<br>[23.4]  |
| 10         | .625<br>[15.87]     | .752 [19.11]<br>.742 [18.84]   | .925<br>[23.49]       | 1.77<br>[45.0] | .84<br>[21.3]  | 1.00<br>[25.4] | 1.51<br>[38.4] | 1.35<br>[34.3] | 1.18<br>[30.0] |
| 12         | .750<br>[19.05]     | .877 [22.28]<br>.867 [22.02]   | 1.050<br>[26.67]      | 1.89<br>[48.0] | .86<br>[21.8]  | 1.01<br>[25.7] | 1.63<br>[41.4] | 1.40<br>[35.6] | 1.35<br>[34.3] |
| 14         | .875<br>[22.23]     | 1.002 [25.46]<br>.991 [25.17]  | 1.175<br>[29.84]      | 2.02<br>[51.3] | .88<br>[22.4]  | 1.04<br>[26.4] | 1.78<br>[45.2] | 1.46<br>[37.1] | 1.41<br>[35.8] |
| 16         | 1.000<br>[25.40]    | 1.127 [28.63]<br>1.116 [28.34] | 1.300<br>[33.02]      | 2.14<br>[54.4] | .91<br>[23.1]  | 1.06<br>[26.9] | 1.88<br>[47.8] | 1.53<br>[38.9] | 1.60<br>[40.6] |
| 18         | 1.125<br>[28.57]    | 1.252 [31.81]<br>1.241 [31.52] | 1.425<br>[36.19]      | 2.27<br>[57.7] | .93<br>[23.6]  | 1.09<br>[27.7] | 2.01<br>[51.1] | 1.59<br>[40.4] | 1.66<br>[42.2] |
| 20         | 1.250<br>[31.75]    | 1.377 [34.98]<br>1.366 [34.69] | 1.550<br>[39.37]      | 2.39<br>[60.7] | .98<br>[24.9]  | 1.13<br>[28.7] | 2.13<br>[54.1] | 1.78<br>[45.2] | 2.04<br>[51.8] |
| 22         | 1.375<br>[34.93]    | 1.502 [38.15]<br>1.488 [37.79] | 1.675<br>[42.55]      | 2.62<br>[66.5] | 1.03<br>[26.2] | 1.38<br>[35.1] | 2.29<br>[58.2] | 1.85<br>[47.0] | 2.23<br>[56.6] |
| 24         | 1.500<br>[38.10]    | 1.627 [41.33]<br>1.613 [40.97] | 1.800<br>[45.72]      | N/A            | 1.08<br>[27.4] | 1.44<br>[36.6] | 2.42<br>[61.5] | 1.92<br>[48.8] | 2.23<br>[56.6] |

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