

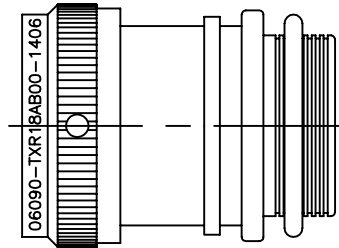
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## REVISIONS

| LTR | DESCRIPTION               | DATE      | APPROVED |
|-----|---------------------------|-----------|----------|
| G   | REVISED PER ECO-13-003640 | 03/1/2013 | -        |



### CODE 18 STRAIGHT ADAPTER

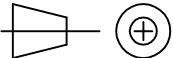
## NOTES:

- 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 DETAIL 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-TXR18AB00-1406). RINGS SHALL BEAR NO MARKING.
- FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
- ADAPTER MATES TO MIL-C-5015D, CLASS A, E & R, MS3100, MS3101 & MS3106. RESILIENT INSERT, SOLDER TYPE & BENDIX 10-214, CANNON CA-RX COMMERCIAL CRIMP TYPE.
- ADDITIONAL PIECE(S) SUPPLIED WHEN CONNECTOR MANUFACTURER IS UNKNOWN ("D" IN TABLE III) AND ENTRY SIZE DOES NOT EXCEED VALUE IN TABLE I. SEE FIGURE A PAGE 2 OF 4.
- ALL THREAD SIZES FOR ORDER NO. APPLY.
- ANTI-ROTATIONAL SET SCREW, 3 THREADED HOLES  $120^{\circ} \pm 5^{\circ}$  APART, SINGLE MATING SET SCREW SUPPLIED: AN565DC4H2. NOT REQUIRED FOR TYPE II ADAPTERS.

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Raychem Adapters  
CUSTOMER DRAWING

|                                                                                                                                 |                                                                                                            |            |          |                                                                                                     |                          |                   |          |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------|----------|-----------------------------------------------------------------------------------------------------|--------------------------|-------------------|----------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>.XXX ± 0.005<br>.XX ± 0.01<br>.X ± 0.1<br><br>ANGLES<br>.X ± 0.5 DEG | DRAWN                                                                                                      | R. RAMIREZ | 04-19-93 |  TE Connectivity |                          |                   |          |
|                                                                                                                                 | CHECKED                                                                                                    | ---        | ---      |                                                                                                     |                          |                   |          |
|                                                                                                                                 | APPROVED                                                                                                   | W.C.GAY    | 04-19-93 | TITLE<br><br>TINEL—LOCK ADAPTER                                                                     |                          |                   |          |
|                                                                                                                                 | THIRD ANGLE PROJECTION  |            |          |                                                                                                     |                          |                   |          |
| MATERIAL<br>—                                                                                                                   | CAD NAME: TXR18_CD                                                                                         |            |          | SIZE<br>A                                                                                           | CODE IDENT. NO.<br>06090 | DWG. NO.<br>TXR18 | REV<br>G |
| FINISH<br>—                                                                                                                     | RPN:<br>—                                                                                                  |            |          | DO NOT SCALE THIS DRAWING                                                                           |                          |                   |          |
|                                                                                                                                 |                                                                                                            |            |          | SHEET 1 OF 4                                                                                        |                          |                   |          |

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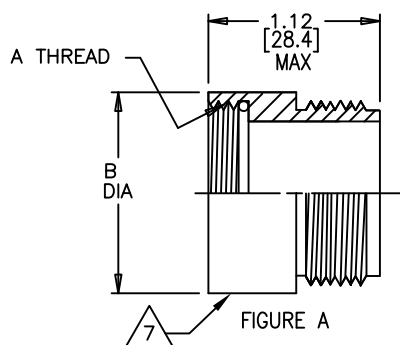
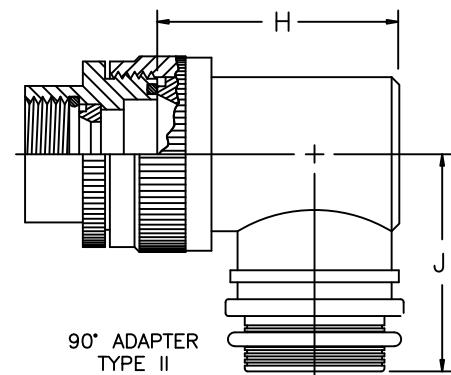
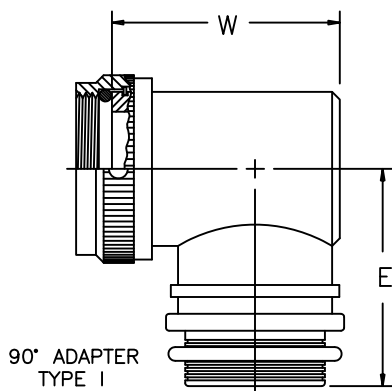
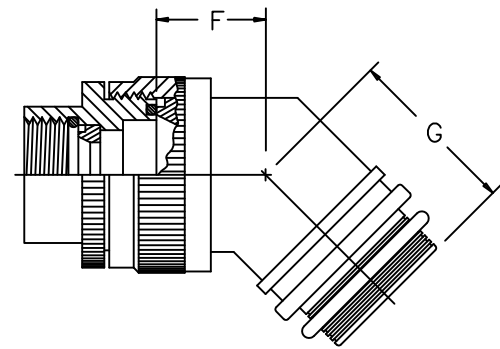
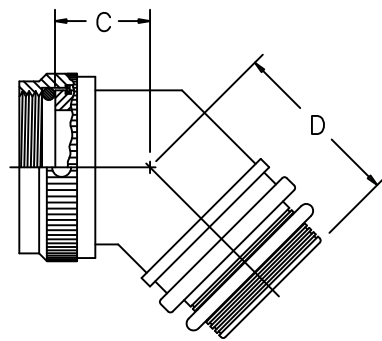
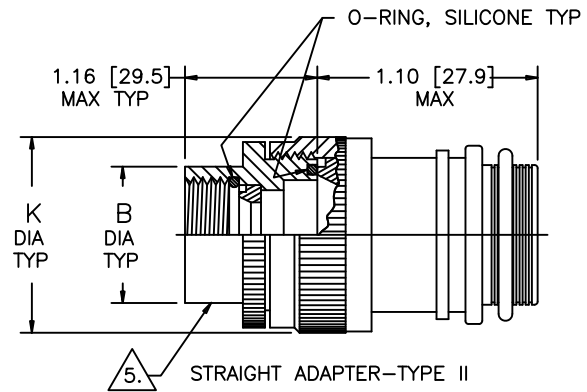
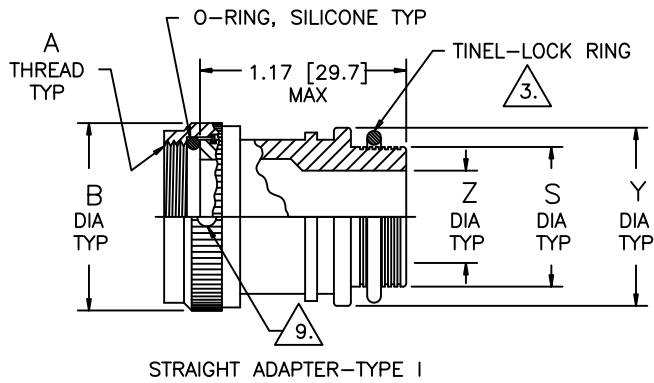
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SEE SHEET 1 FOR REVISIONS



# Raychem Adapters CUSTOMER DRAWING

| SIZE                      | CODE IDENT. NO. | DWG. NO.          | REV          |
|---------------------------|-----------------|-------------------|--------------|
| A                         | 06090           | TXR18             | G            |
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TABLE I

| ORDER NO. | SHELL SIZE<br>△ | MFR CODE TABLE III | MAX ENTRY SIZE TYPE I<br>△ | A<br>THREAD CLASS 2B | B<br>DIA MAX | C<br>MAX    | D<br>MAX    | E<br>MAX    | W<br>MAX    |
|-----------|-----------------|--------------------|----------------------------|----------------------|--------------|-------------|-------------|-------------|-------------|
| 08        | 8S              | B                  | 04                         | .375-32 UNEF         | .73 [18.5]   | .80 [20.3]  | .92 [23.4]  | 1.23 [31.2] | .931 [23.6] |
|           |                 | C                  |                            | .438-28 UNEF         |              |             |             |             | .994 [25.2] |
|           |                 | A,R                |                            | .438-27 UNS          |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
| 10        | 10S             | —                  | 06                         | .500-28 UNEF         | .79 [20.1]   | .83 [21.1]  | .95 [24.1]  | 1.23 [31.2] | 1.06 [26.8] |
| 11        | 10SL            | C                  | 07                         | .562-24 UNEF         | .85 [21.6]   | .83 [21.1]  | .95 [24.1]  | 1.23 [31.2] | 1.12 [28.4] |
|           |                 | A,B,R              |                            | .625-24 UNEF         | .92 [23.4]   |             |             |             | 1.18 [30.0] |
|           |                 | D △                |                            | △                    | .92 [23.4]   |             |             |             | 1.12 [28.4] |
|           |                 | B,C                |                            | .625-24 UNEF         | .92 [23.4]   | .83 [21.1]  | .95 [24.1]  | 1.23 [31.2] | 1.18 [30.0] |
| 12        | 12 & 12S        | A,R                | 08                         | .688-24 UNEF         | .98 [24.9]   | .86 [21.8]  | .98 [24.9]  | 1.30 [33.0] | 1.24 [31.6] |
|           |                 | D △                |                            | △                    | .98 [24.9]   | .86 [21.8]  | .98 [24.9]  | 1.30 [33.0] | 1.18 [30.0] |
|           |                 | —                  |                            | .750-20 UNEF         | 1.04 [26.4]  | .86 [21.8]  | .98 [24.9]  | 1.30 [33.0] | 1.31 [33.2] |
|           |                 | —                  |                            | .875-20 UNEF         | 1.23 [31.2]  | .89 [22.6]  | 1.02 [25.9] | 1.42 [36.1] | 1.43 [36.3] |
| 14        | 14 & 14S        | —                  | 10                         | .750-20 UNEF         | 1.04 [26.4]  | .86 [21.8]  | .98 [24.9]  | 1.30 [33.0] | 1.31 [33.2] |
| 16        | 16 & 16S        | —                  | 12                         | .875-20 UNEF         | 1.23 [31.2]  | .89 [22.6]  | 1.02 [25.9] | 1.42 [36.1] | 1.43 [36.3] |
| 18        | 18              | —                  | 12                         | 1.000-20 UNEF        | 1.35 [34.3]  | .92 [23.4]  | 1.05 [26.7] | 1.48 [37.6] | 1.49 [37.9] |
| 20        | 20              | A,B,C              | 16                         | 1.125-18 UNEF        | 1.48 [37.6]  | .95 [24.1]  | 1.08 [27.4] | 1.55 [39.4] | 1.68 [42.7] |
|           |                 | R                  |                            | 1.125-24 UNS         |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
|           |                 | —                  |                            | 1.250-18 UNEF        | 1.60 [40.6]  | .98 [24.9]  | 1.11 [28.2] | 1.61 [40.9] | 1.81 [45.9] |
| 22        | 22              | —                  | 18                         | 1.375-18 UNEF        | 1.73 [43.9]  | .98 [24.9]  | 1.11 [28.2] | 1.67 [42.4] | 1.93 [49.0] |
| 24        | 24              | —                  | 20                         | 1.625-18 UNEF        | 2.10 [53.3]  | 1.08 [27.4] | 1.17 [29.7] | 1.86 [47.2] | 2.06 [52.2] |
| 32        | 32              | B,C                | 24                         | 1.875-16 UN          | 2.23 [56.6]  | 1.11 [28.2] | 1.23 [31.2] | 1.92 [48.8] | 2.31 [58.6] |
|           |                 | A,R                |                            | 1.906-18 UN          |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
|           |                 | —                  |                            | 2.062-16 UNS         |              |             |             |             |             |
| 36        | 36              | R                  | 24                         | 2.062-20 UNS         | 2.48 [63.0]  | 1.23 [31.2] | 1.27 [32.3] | 2.05 [52.1] | 2.56 [64.9] |
|           |                 | C                  |                            | 2.125-16 UN          |              |             |             |             |             |
|           |                 | A                  |                            | 2.125-18 UNS         |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
| 40        | 40              | B                  | 24                         | 2.312-16 UNS         | 2.73 [69.3]  | 1.27 [32.3] | 1.30 [33.0] | 2.17 [55.1] | 2.81 [71.3] |
|           |                 | A,C,R              |                            | 2.375-16 UN          |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
|           |                 | —                  |                            | 2.625-16 UN          | 3.23 [82.0]  | 1.34 [34.0] | 1.36 [34.5] | 2.42 [61.5] | 3.06 [77.6] |
| 44        | 44              | C                  | 24                         | 2.812-18 UNS         | 3.23 [82.0]  | 1.34 [34.0] | 1.36 [34.5] | 2.42 [61.5] | 3.31 [84.0] |
|           |                 | A,R                |                            | 2.875-16 UN          |              |             |             |             |             |
|           |                 | D △                |                            | △                    |              |             |             |             |             |
|           |                 | —                  |                            |                      |              |             |             |             |             |

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|---------------------------|-----------------|-------------------|--------------|
| A                         | 06090           | TXR18             | G            |
| DO NOT SCALE THIS DRAWING |                 | CAD NAME:TXR18_CD | SHEET 3 OF 4 |

TABLE II

| ENTRY<br>SIZE | Z<br>+.010<br>-.020 | S<br>DIA                       | Y<br>$\pm .015$<br>[ $\pm 0.38$ ] | F<br>MAX       | G<br>MAX       | J<br>MAX       | H<br>MAX       | K<br>MAX       |
|---------------|---------------------|--------------------------------|-----------------------------------|----------------|----------------|----------------|----------------|----------------|
| 04            | .250<br>[6.35]      | .376 [ 9.56]<br>.370 [ 9.39]   | .550<br>[13.97]                   | 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]                   | .77<br>[19.6]  | .93<br>[23.6]  | 1.16<br>[29.5] | 1.19<br>[30.2] | .80<br>[20.3]  |
| 06            | .375<br>[9.52]      | .501 [12.73]<br>.495 [12.57]   | .675<br>[17.14]                   | .77<br>[19.6]  | .93<br>[23.6]  | 1.16<br>[29.5] | 1.19<br>[30.2] | .80<br>[20.3]  |
| 07            | .437<br>[11.09]     | .563 [14.31]<br>.556 [14.12]   | .737<br>[18.71]                   | .80<br>[20.3]  | .95<br>[24.1]  | 1.22<br>[31.0] | 1.38<br>[35.1] | .92<br>[23.4]  |
| 08            | .500<br>[12.70]     | .626 [15.91]<br>.619 [15.72]   | .800<br>[20.32]                   | .80<br>[20.3]  | .95<br>[24.1]  | 1.22<br>[31.0] | 1.38<br>[35.1] | .92<br>[23.4]  |
| 10            | .625<br>[15.87]     | .752 [19.11]<br>.742 [18.84]   | .925<br>[23.49]                   | .84<br>[21.3]  | 1.00<br>[25.4] | 1.35<br>[34.3] | 1.51<br>[38.4] | 1.18<br>[30.0] |
| 12            | .750<br>[19.05]     | .877 [22.28]<br>.867 [22.02]   | 1.050<br>[26.67]                  | .86<br>[21.8]  | 1.01<br>[25.7] | 1.40<br>[35.6] | 1.63<br>[41.4] | 1.35<br>[34.3] |
| 14            | .875<br>[22.23]     | 1.002 [25.46]<br>.991 [25.17]  | 1.175<br>[29.84]                  | .88<br>[22.4]  | 1.04<br>[26.4] | 1.46<br>[37.1] | 1.78<br>[45.2] | 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]                  | .91<br>[23.1]  | 1.06<br>[26.9] | 1.53<br>[38.9] | 1.88<br>[47.8] | 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]                  | .93<br>[23.6]  | 1.09<br>[27.7] | 1.59<br>[40.4] | 2.01<br>[51.1] | 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]                  | .98<br>[24.9]  | 1.13<br>[28.7] | 1.78<br>[45.2] | 2.13<br>[54.1] | 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]                  | 1.03<br>[26.2] | 1.38<br>[35.1] | 1.85<br>[47.0] | 2.29<br>[58.2] | 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]                  | 1.08<br>[27.4] | 1.44<br>[36.6] | 1.92<br>[48.8] | 2.42<br>[61.5] | 2.23<br>[56.6] |

TABLE III

| MFR<br>CODE | CONNECTOR MANUFACTURER<br>(MS 3100, MS 3101 & MS 3106) |
|-------------|--------------------------------------------------------|
| A           | AMPHENOL—CLASS A                                       |
| B           | BENDIX—CLASS A, E & R                                  |
| C           | CANNON—CLASS A, E & R                                  |
| D           | MFR UNKNOWN, CLASS A, E & R                            |
| R           | AMPHENOL—CLASS R                                       |
| —           | MFR CODE NOT REQUIRED                                  |

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|---------------------------|-----------------|-------------------|--------------|
| A                         | 06090           | TXR18             | G            |
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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

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