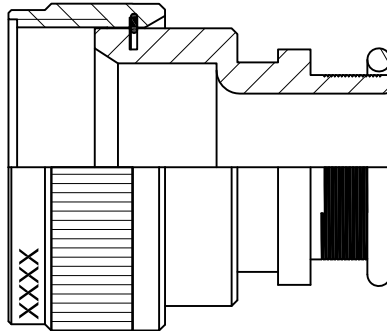


| REVISIONS |                           |         |          |
|-----------|---------------------------|---------|----------|
| LTR       | DESCRIPTION               | DATE    | APPROVED |
| J         | REVISED PER ECD-12-021161 | 04DEC12 | G.WELLS  |
| K         | REVISED PER ECD-14-002312 | 13FEB15 | H.SMITH  |



CODE 54  
STRAIGHT ADAPTER

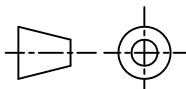
NOTES:

- 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-TXR54AB00-1206). RINGS SHALL BEAR NO MARKING.
- FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
- ADAPTER MATES TO MIL-C-81703, SERIES III, MS3424, MS3446, MS3464, MS3467, MS3468, CLASS E & L.
- ADAPTER MATES TO MIL-C-5015G, MS3400 SERIES, CLASS D, E, K, L, U & W: MS3400, MS3401, MS3404, MS3406, MS3450, MS3451, MS3454, MS3456, MS3470, MS3471, MS3472, MS3474, MS3475, MS3476. MIL-C-83723, SERIES II, CLASS A & L. MIL-C-83723, SERIES I & III, CLASS A, G, K, R & S: M83723/1, /2, /3, /4, /5, /6, /7, /8, /13, /14, /36, /37, /38, /39, /40, /41, /42, /43, /48, /49, /65, /66, /67, /68, /69, /70, /71, /72, /73, /74, /75, /76, /77, /78, /82, /83, /84, /85, /86, /87, /91, /92, /95, /97, /98, (MS3155 CONTROLLED INTERFACE).
- THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED. (MOD. CODE "S")
- THESE DIMENSIONS APPLY IF AN ADAPTER MATERIAL IS STAINLESS STEEL.

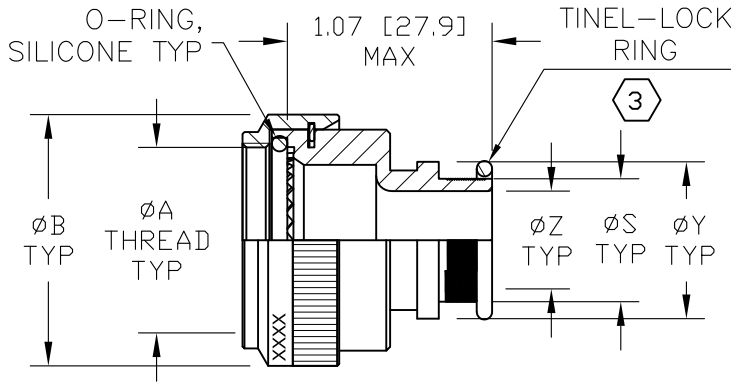
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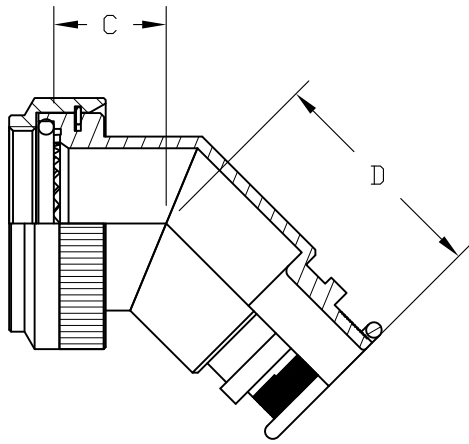
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|                                                                                                                                                                                                                       |                          |                                                                                                                           |                                                                                                      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>METRIC DIMENSIONS ARE<br>IN BRACKETS.<br><br>DECIMALS<br>.XXX ± 0.005 [0.13 mm]<br>.XX ± 0.01 [0.25 mm]<br>.X ± 0.1 [0.50 mm]<br><br>ANGLES<br>.X ± 1 DEG. | DRAWN<br>R. RAMIREZ      | DATE<br>03-18-93                                                                                                          |  TE Connectivity |  |  |
|                                                                                                                                                                                                                       | CHECKED                  | DATE                                                                                                                      | TITLE<br><br>TINEL-LOCK™ ADAPTER                                                                     |  |  |
|                                                                                                                                                                                                                       | APPROVED                 | DATE                                                                                                                      |                                                                                                      |  |  |
|                                                                                                                                                                                                                       | REVISED<br>N. NAGAR      | DATE<br>13-02-15                                                                                                          |                                                                                                      |  |  |
|                                                                                                                                                                                                                       | CAD NAME<br>txr54_1_k_cd | <div>THIRD ANGLE<br/>PROJECTION</div>  |                                                                                                      |  |  |
|                                                                                                                                                                                                                       |                          |                                                                                                                           |                                                                                                      |  |  |
| SIZE<br>A                                                                                                                                                                                                             |                          | CODE IDENT. NO.<br>06090                                                                                                  | DWG. NO.<br>TXR54                                                                                    |  |  |
| DO NOT SCALE THIS DWG                                                                                                                                                                                                 |                          |                                                                                                                           | SHEET 1 OF 3                                                                                         |  |  |

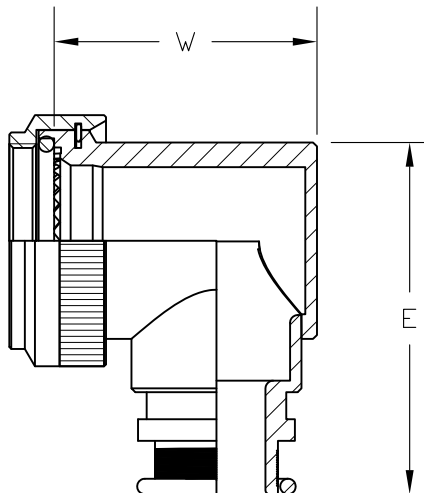
SEE SHEET 1 FOR REVISION



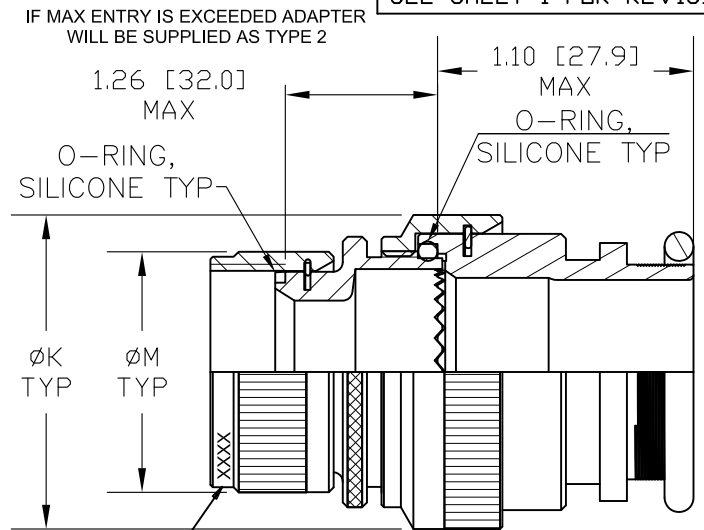
STRAIGHT ADAPTER-TYPE I



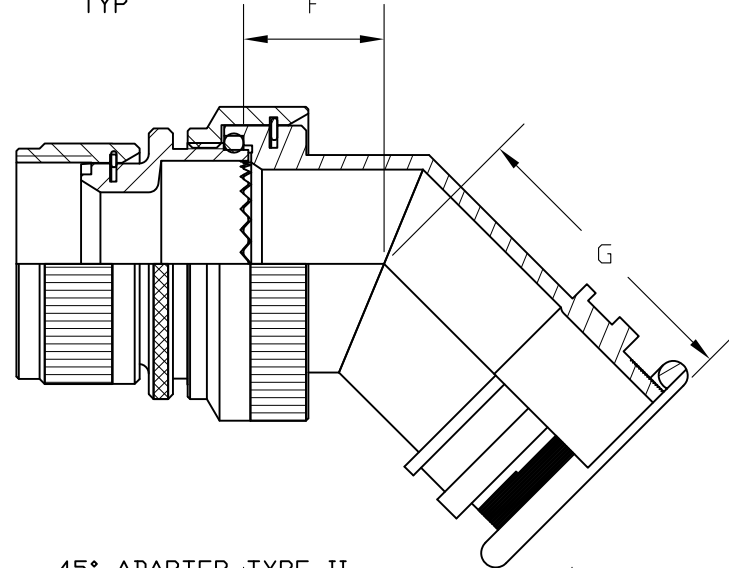
45° ADAPTER-TYPE I



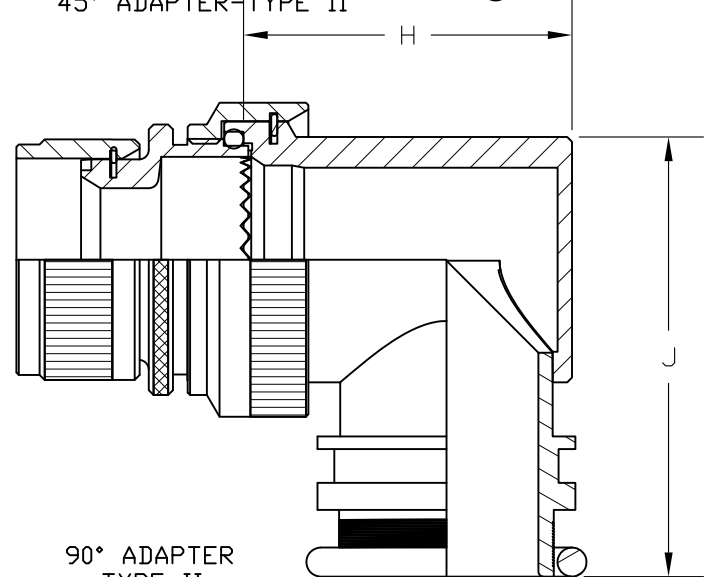
90° ADAPTER  
TYPE I



STRAIGHT ADAPTER-TYPE II



45° ADAPTER-TYPE II



90° ADAPTER  
TYPE II

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| SIZE                  | CODE IDENT. NO. | DWG. NO.     | REV          |
|-----------------------|-----------------|--------------|--------------|
| A                     | 06090           | TXR54        | K            |
| DO NOT SCALE THIS DWG |                 | CAD NAME     | txr54_2_k_cd |
|                       |                 | SHEET 2 OF 3 |              |

TABLE I

| ORDER NO. | SHELL SIZE |                | MAX ENTRY SIZE TYPE I | A<br>THREAD CLASS 2B | B<br>DIA MAX     | B<br>DIA MAX     | C<br>MAX       | D<br>MAX        | E<br>MAX       | M<br>DIA MAX     | W<br>MAX       | W<br>MAX       |
|-----------|------------|----------------|-----------------------|----------------------|------------------|------------------|----------------|-----------------|----------------|------------------|----------------|----------------|
|           | 6          | 7              |                       |                      |                  |                  |                |                 |                |                  |                |                |
| 03        | 3          |                | 04                    | .562-24 UNEF         | .669<br>[17.00]  | .940<br>[23.88]  | .75<br>[19.1]  | 1.083<br>[27.5] | 1.13<br>[28.7] | .695<br>[17.65]  | 1.06<br>[26.9] | 1.05<br>[26.8] |
| 08        |            | 8 & 8S         | 04                    | .500-20 UNF          | .617<br>[15.67]  | .890<br>[22.61]  | .75<br>[19.1]  | 1.075<br>[27.3] | 1.10<br>[27.9] | .630<br>[16.00]  | .98<br>[25.0]  | .90<br>[22.9]  |
| 10        |            | 10, 10S & 10SL | 06                    | .625-24 UNEF         | .734<br>[18.64]  | 1.010<br>[25.65] | .77<br>[19.6]  | 1.102<br>[28.0] | 1.16<br>[29.5] | .757<br>[19.23]  | 1.06<br>[27.0] | 1.00<br>[25.5] |
| 12        | 7          | 12 & 12S       | 08                    | .750-20 UNEF         | .858<br>[21.79]  | 1.140<br>[28.96] | .80<br>[20.3]  | 1.122<br>[28.5] | 1.22<br>[31.0] | .882<br>[22.40]  | 1.16<br>[29.5] | 1.13<br>[28.8] |
| 14        | 12         | 14 & 14S       | 08                    | .875-20 UNEF         | .984<br>[24.99]  | 1.260<br>[32.00] | .82<br>[20.8]  | 1.161<br>[29.5] | 1.28<br>[32.5] | 1.007<br>[25.58] | 1.22<br>[31.0] | 1.21<br>[30.9] |
| 16        | 19         | 16 & 16S       | 10                    | 1.000-20 UNEF        | 1.112<br>[28.24] | 1.390<br>[35.31] | .84<br>[21.3]  | 1.190<br>[30.2] | 1.35<br>[34.3] | 1.132<br>[28.75] | 1.36<br>[34.5] | 1.34<br>[34.0] |
| 18        | 27         | 18             | 12                    | 1.062-18 UNEF        | 1.218<br>[30.94] | 1.510<br>[38.35] | .86<br>[21.8]  | 1.220<br>[31.0] | 1.40<br>[35.6] | 1.218<br>[30.94] | 1.48<br>[37.5] | 1.41<br>[36.0] |
| 20        | 37         | 20             | 14                    | 1.188-18 UNEF        | 1.345<br>[34.16] | 1.640<br>[41.66] | .88<br>[22.4]  | 1.236<br>[31.4] | 1.46<br>[37.1] | 1.345<br>[34.16] | 1.67<br>[42.5] | 1.54<br>[39.3] |
| 22        |            | 22             | 16                    | 1.312-18 UNEF        | 1.468<br>[37.30] | 1.760<br>[44.70] | .91<br>[23.1]  | 1.244<br>[31.6] | 1.53<br>[38.9] | 1.468<br>[37.30] | 1.75<br>[44.5] | 1.67<br>[42.4] |
| 24        |            | 24             | 18                    | 1.438-18 UNEF        | 1.593<br>[40.46] | 1.890<br>[48.00] | .93<br>[23.6]  | 1.283<br>[32.6] | 1.59<br>[40.4] | 1.593<br>[40.46] | 1.80<br>[45.5] | 1.78<br>[45.3] |
| 28        |            | 28             | 22                    | 1.750-18 UNS         | 1.969<br>[50.01] | 2.140<br>[54.36] | .98<br>[24.9]  | 1.300<br>[33.0] | 1.78<br>[45.2] | 1.969<br>[50.01] | 2.15<br>[54.7] | 2.01<br>[51.2] |
| 32        |            | 32             | 24                    | 2.000-18 UNS         | 2.219<br>[56.36] | 2.400<br>[60.96] | 1.03<br>[26.2] | 1.19<br>[30.2]  | 1.90<br>[48.3] | 2.219<br>[56.36] | 2.41<br>[61.4] | 2.38<br>[60.5] |
| 36        |            | 36             | 24                    | 2.250-16 UN          | 2.469<br>[62.71] | 2.640<br>[67.06] | 1.08<br>[27.4] | 1.23<br>[31.2]  | 2.03<br>[51.6] | 2.469<br>[62.71] | 2.67<br>[67.7] | 2.60<br>[66.0] |
| 40        |            | 40             | 24                    | 2.500-16 UN          | 2.719<br>[69.06] | 2.890<br>[73.41] | 1.15<br>[29.1] | 1.28<br>[32.5]  | 2.15<br>[54.6] | --<br>[---]      | 2.90<br>[73.7] | 2.85<br>[72.5] |
| 44        |            | 44             | 24                    | 2.750-16 UN          | 2.969<br>[75.41] | 3.140<br>[79.76] | 1.20<br>[30.6] | 1.355<br>[34.2] | 2.28<br>[57.9] | --<br>[---]      | 3.15<br>[80.0] | 2.99<br>[76.0] |
| 48        |            | 48             | 24                    | 3.000-16 UN          | 3.219<br>[81.76] | 3.390<br>[86.11] | 1.25<br>[31.8] | 1.394<br>[35.4] | 2.40<br>[61.0] | --<br>[---]      | 3.40<br>[86.3] | 3.16<br>[80.3] |
| 61        | 61         |                | 18                    | 1.500-18 UNEF        | 1.653<br>[42.00] | 1.880<br>[47.75] | .94<br>[23.9]  | 1.09<br>[27.7]  | 1.62<br>[41.1] | 1.653<br>[42.00] | 1.90<br>[48.3] | 1.92<br>[48.8] |

TABLE II

| ENTRY SIZE | Z<br>+.010<br>-.020 | S<br>DIA                       | Y<br>±.015<br>[±0.38] | F<br>MAX       | G<br>MAX       | H<br>MAX       | H<br>MAX<br>8  | J<br>MAX       | K<br>MAX       | K<br>MAX<br>8  |
|------------|---------------------|--------------------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 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            | N/A            | N/A            |
| 05         | .312<br>[7.92]      | .438 [11.13]<br>.432 [10.97]   | .612<br>[15.54]       | .77<br>[19.6]  | 1.10<br>[28.0] | 1.19<br>[30.2] | 1.19<br>[30.2] | 1.16<br>[29.5] | .83<br>[21.0]  | .97<br>[24.6]  |
| 06         | .375<br>[9.53]      | .501 [12.73]<br>.495 [12.57]   | .675<br>[17.14]       | .77<br>[19.6]  | 1.10<br>[28.0] | 1.19<br>[30.2] | 1.19<br>[30.2] | 1.16<br>[29.5] | .83<br>[21.0]  | .97<br>[24.6]  |
| 07         | .437<br>[11.09]     | .563 [14.31]<br>.556 [14.12]   | .737<br>[18.71]       | .80<br>[20.3]  | 1.10<br>[28.0] | 1.38<br>[35.1] | 1.38<br>[35.1] | 1.22<br>[31.0] | .92<br>[23.4]  | .97<br>[24.6]  |
| 08         | .500<br>[12.70]     | .626 [15.91]<br>.619 [15.72]   | .800<br>[20.32]       | .80<br>[20.3]  | 1.12<br>[28.5] | 1.38<br>[35.1] | 1.38<br>[35.1] | 1.22<br>[31.0] | .96<br>[24.5]  | 1.11<br>[28.3] |
| 10         | .625<br>[15.87]     | .752 [19.11]<br>.742 [18.84]   | .925<br>[23.49]       | .84<br>[21.3]  | 1.16<br>[29.5] | 1.51<br>[38.4] | 1.51<br>[38.4] | 1.35<br>[34.3] | 1.18<br>[30.0] | 1.28<br>[32.4] |
| 12         | .750<br>[19.05]     | .877 [22.28]<br>.867 [22.02]   | 1.050<br>[26.67]      | .88<br>[22.4]  | 1.19<br>[30.2] | 1.63<br>[41.4] | 1.63<br>[41.4] | 1.40<br>[35.6] | 1.35<br>[34.3] | 1.40<br>[35.6] |
| 14         | .875<br>[22.23]     | 1.002 [25.46]<br>.991 [25.17]  | 1.175<br>[29.84]      | .88<br>[22.4]  | 1.22<br>[31.0] | 1.78<br>[45.2] | 1.78<br>[45.2] | 1.46<br>[37.1] | 1.41<br>[35.8] | 1.51<br>[38.5] |
| 16         | 1.000<br>[25.40]    | 1.127 [28.63]<br>1.116 [28.34] | 1.300<br>[33.02]      | .93<br>[23.6]  | 1.24<br>[31.4] | 1.88<br>[47.8] | 1.88<br>[47.8] | 1.53<br>[38.9] | 1.60<br>[40.6] | 1.64<br>[41.7] |
| 18         | 1.125<br>[28.57]    | 1.252 [31.81]<br>1.241 [31.52] | 1.425<br>[36.19]      | .93<br>[23.6]  | 1.25<br>[31.6] | 2.01<br>[51.1] | 2.01<br>[51.1] | 1.59<br>[40.4] | 1.66<br>[42.2] | 1.73<br>[43.9] |
| 20         | 1.250<br>[31.75]    | 1.377 [34.98]<br>1.366 [34.69] | 1.550<br>[39.37]      | .98<br>[24.9]  | 1.28<br>[32.6] | 2.13<br>[54.1] | 2.13<br>[54.1] | 1.78<br>[45.2] | 2.04<br>[51.8] | 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] | 1.41<br>[35.8] | 2.29<br>[58.2] | 2.29<br>[58.2] | 1.85<br>[47.0] | 2.23<br>[56.6] | 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] | 1.52<br>[38.6] | 2.42<br>[61.5] | 2.42<br>[61.5] | 1.92<br>[48.8] | 2.23<br>[56.6] | 2.23<br>[56.6] |
| 28         | 1.750<br>[44.45]    | 1.873 [47.58]<br>1.867 [47.42] | 2.050<br>[52.00]      | 1.08<br>[27.4] | 1.76<br>[44.9] | 2.60<br>[66.0] | 2.40<br>[60.8] | 2.03<br>[51.6] | 2.30<br>[58.5] | 2.40<br>[61.0] |

Raychem Adapters  
CUSTOMER DRAWING

|                       |                          |                          |              |
|-----------------------|--------------------------|--------------------------|--------------|
| SIZE<br>A             | CODE IDENT. NO.<br>06090 | DWG. NO.<br>TXR54        | REV<br>K     |
| DO NOT SCALE THIS DWG |                          | CAD NAME<br>txr54_3_k_cd | SHEET 3 OF 3 |