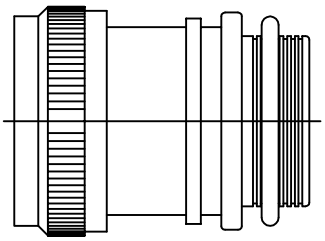
DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)

| REVISIONS | | | |
|---|---|---|---|
| LTR | DESCRIPTION | DATE | APPROVED |
| H2 | REVISED PER ECO-12-013906 | 7/29/12 | K. YEE |
| J | REVISED PER ECO-12-021161 | 12.04.12 | G.WELLS |



# CODE 40 TINEL-LOCK ADAPTER

NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.

2. SEE CH00-0250-008 FOR ORDERING INFORMATION, MODIFICATIONS AND ADDITIONAL DIMENSIONS.

(3) 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.

4. ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENT. NO. AND PART NO. LESS RING DESIGNATOR (E.G.: 06090-TXR40AB00-1206). RINGS SHALL BEAR NO MARKING.

(5) FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.

(6) ADAPTER MATES TO MIL-C-38999, SERIES III AND IV, CLASS C, F, K, AND W, D38999/20, /24, /26, /40, /46, /47 CONNECTORS, AND WHEN SO MATED SHALL PROVIDE A WATER-TIGHT SEAL MEETING THE REQUIREMENTS OF MIL-C-85049, PAR. 3.5.7.

(7) THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED. (MOD. CODE "S").

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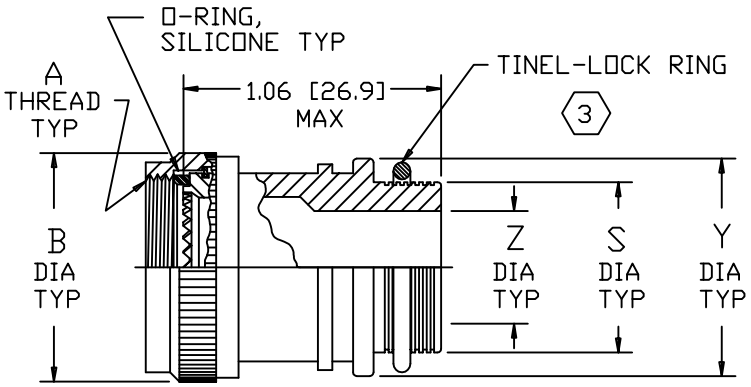
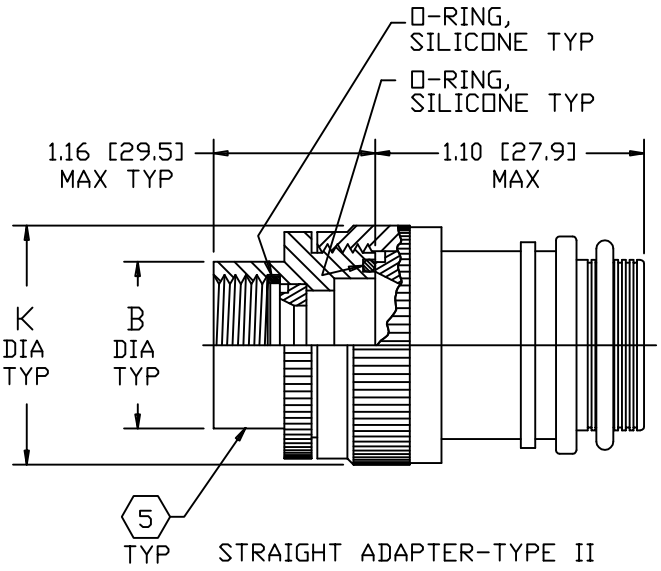
Raychem Adapters
CUSTOMER DRAWING

| | | | |
|---|---|---|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. | DRAWN R. RAMIREZ | DATE 03-18-93 | TE Connectivity |
| | CHECKED | DATE | |
| TYCO ELECTRONICS RESERVES THE RIGHT TO AMEND THIS DRAWING AT ANY TIME. USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THIER APPLICATION | APPROVED W. C. GAY | DATE 05-19-93 | TITLE TINEL-LOCK™ ADAPTER |
| | APPROVED G. WELLS | DATE 11-15-12 | |
| DECIMAL TOLERANCES .XXX ± 0.005 [0.13 mm] .XX ± 0.01 [0.25 mm] .X ± 0.1 [0.50 mm] ANGLE TOLERANCE .X ± 1 DEG. | THIRD ANGLE PROJECTION | | SIZE A / CODE IDENT. NO. 06090 / DWG. NO. TXR40 / REV J |
| | | | DO NOT SCALE THIS DWG / SHEET 1 OF 3 |

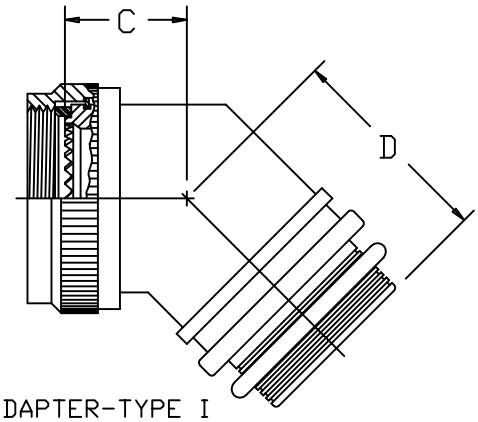
SEE SHEET 1 FOR REVISION



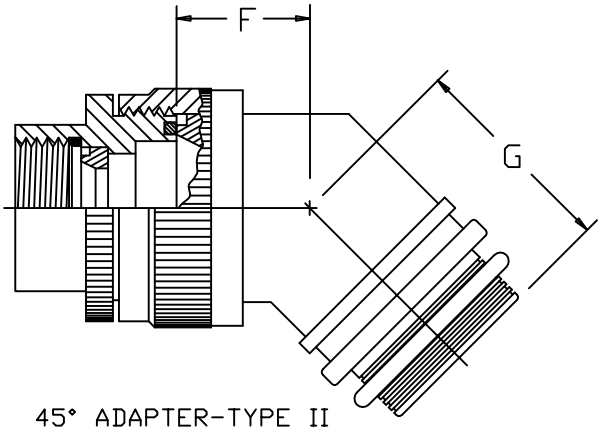

STRAIGHT ADAPTER-TYPE I



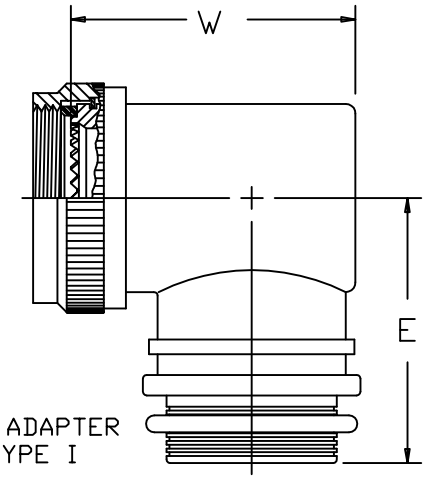

STRAIGHT ADAPTER-TYPE II



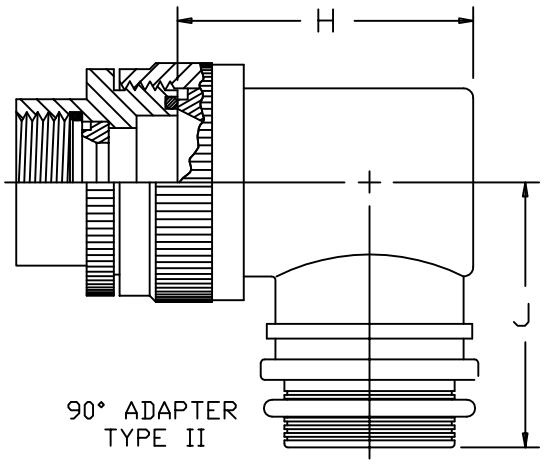

45° ADAPTER-TYPE I




45° ADAPTER-TYPE II




90° ADAPTER
TYPE I




90° ADAPTER
TYPE II

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| SIZE | CODE IDENT. NO. | DWG. NO. | REV |
|---|---|---|---|
| A | 06090 | TXR40 | J |
| DO NOT SCALE THIS DWG | | CAD NAME txr40_2_j_cd | SHEET 2 OF 3 |

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TABLE I

| ORDER NO. | SHELL SIZE (6) COM'L | SHELL SIZE (6) MIL | MAX ENTRY SIZE (5) TYPE I | A METRIC THD CLASS 6H | B DIA MAX | B DIA MAX (7) | C MAX | D MAX | E MAX | W MAX |
|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 9 | A | 04 | M12 X 1.0 | .750 [19.1] | .969 [24.6] | .82 [20.8] | .89 [22.6] | 1.10 [27.9] | .85 [21.6] |
| 10 | 11 | B | 07 | M15 X 1.0 | .850 [21.6] | 1.063 [27.0] | .84 [21.3] | .92 [23.4] | 1.20 [30.5] | .97 [24.6] |
| 12 | 13 | C | 08 | M18 X 1.0 | 1.000 [25.4] | 1.219 [31.0] | .87 [22.1] | .95 [24.1] | 1.26 [32.0] | 1.10 [27.9] |
| 14 | 15 | D | 10 | M22 X 1.0 | 1.150 [29.2] | 1.406 [35.7] | .89 [22.6] | .95 [24.1] | 1.34 [34.0] | 1.22 [31.0] |
| 16 | 17 | E | 12 | M25 X 1.0 | 1.250 [31.8] | 1.469 [37.3] | .92 [23.4] | .98 [24.9] | 1.40 [35.6] | 1.35 [34.3] |
| 18 | 19 | F | 14 | M28 X 1.0 | 1.400 [35.6] | 1.594 [40.5] | .95 [24.1] | 1.01 [25.7] | 1.45 [36.8] | 1.41 [35.8] |
| 20 | 21 | G | 16 | M31 X 1.0 | 1.500 [38.1] | 1.750 [44.5] | .97 [24.6] | 1.04 [26.4] | 1.51 [38.4] | 1.53 [38.9] |
| 22 | 23 | H | 18 | M34 X 1.0 | 1.650 [41.9] | 1.844 [46.8] | 1.00 [25.4] | 1.07 [27.2] | 1.57 [39.9] | 1.66 [42.2] |
| 24 | 25 | J | 20 | M37 X 1.0 | 1.750 [44.5] | 2.031 [51.6] | 1.02 [25.9] | 1.07 [27.2] | 1.67 [42.4] | 1.78 [45.2] |

TABLE II

| ENTRY SIZE | Z +.010 −.020 | S DIA | Y ±.015 [±0.38] | F MAX | G MAX | H MAX | J MAX | K MAX |
|---|---|---|---|---|---|---|---|---|
| 04 | .250 [6.35] | .376 [9.56] .370 [9.39] | .550 [13.97] | N/A | N/A | N/A | N/A | N/A |
| 05 | .312 [7.92] | .438 [11.13] .432 [10.97] | .612 [15.54] | .77 [19.6] | .93 [23.6] | 1.19 [30.2] | 1.16 [29.5] | .80 [20.3] |
| 06 | .375 [9.52] | .501 [12.73] .495 [12.57] | .675 [17.14] | .77 [19.6] | .93 [23.6] | 1.19 [30.2] | 1.16 [29.5] | .80 [20.3] |
| 07 | .437 [11.09] | .563 [14.31] .556 [14.12] | .737 [18.71] | .80 [20.3] | .95 [24.1] | 1.38 [35.1] | 1.22 [31.0] | .92 [23.4] |
| 08 | .500 [12.70] | .626 [15.91] .619 [15.72] | .800 [20.32] | .80 [20.3] | .95 [24.1] | 1.38 [35.1] | 1.22 [31.0] | .92 [23.4] |
| 10 | .625 [15.87] | .752 [19.11] .742 [18.84] | .925 [23.49] | .84 [21.3] | 1.00 [25.4] | 1.51 [38.4] | 1.35 [34.3] | 1.18 [30.0] |
| 12 | .750 [19.05] | .877 [22.28] .867 [22.02] | 1.050 [26.67] | .88 [22.4] | 1.01 [25.7] | 1.63 [41.4] | 1.40 [35.6] | 1.35 [34.3] |
| 14 | .875 [22.23] | 1.002 [25.46] .991 [25.17] | 1.175 [29.84] | .88 [22.4] | 1.04 [26.4] | 1.78 [45.2] | 1.46 [37.1] | 1.41 [35.8] |
| 16 | 1.000 [25.40] | 1.127 [28.63] 1.116 [28.34] | 1.300 [33.02] | .93 [23.6] | 1.06 [26.9] | 1.88 [47.8] | 1.53 [38.9] | 1.60 [40.6] |
| 18 | 1.125 [28.57] | 1.252 [31.81] 1.241 [31.52] | 1.425 [36.19] | .93 [23.6] | 1.09 [27.7] | 2.01 [51.1] | 1.59 [40.4] | 1.66 [42.2] |
| 20 | 1.250 [31.75] | 1.377 [34.98] 1.366 [34.69] | 1.550 [39.37] | .98 [24.9] | 1.13 [28.7] | 2.13 [54.1] | 1.78 [45.2] | 2.04 [51.8] |
| 22 | 1.375 [34.93] | 1.502 [38.15] 1.488 [37.79] | 1.675 [42.55] | 1.03 [26.2] | 1.38 [35.1] | 2.29 [58.2] | 1.85 [47.0] | 2.23 [56.6] |
| 24 | 1.500 [38.10] | 1.627 [41.33] 1.613 [40.97] | 1.800 [45.72] | 1.08 [27.2] | 1.44 [36.6] | 2.42 [61.5] | 1.92 [48.8] | 2.23 [56.6] |

Raychem Adapters
CUSTOMER DRAWING

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| SIZE | CODE IDENT. NO. | DWG. NO. | REV |
|---|---|---|---|
| A | 06090 | TXR40 | J |
| DO NOT SCALE THIS DWG | CAD NAME txr40_3_j_cd_J | SHEET 3 OF 3 | |

LifeElectronics
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