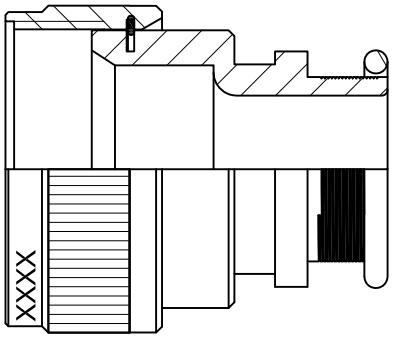
DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)

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



CODE 54
STRAIGHT 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 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.
4. 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.
5. FOR LARGER ENTRY SIZES, A 2 PIECE ADAPTER (TYPE II) IS SUPPLIED.
6. ADAPTER MATES TO MIL-C-81703, SERIES III, MS3424, MS3446, MS3464, MS3467, MS3468, CLASS E & L.
7. 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).
8. THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED. (MOD. CODE "S")
9. THESE DIMENSIONS APPLY IF AN ADAPTER MATERIAL IS STAINLESS STEEL.

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Raychem Adapters
CUSTOMER DRAWING

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

DECIMALS
.XXX ± 0.005 [0.13 mm]
.XX ± 0.01 [0.25 mm]
.X ± 0.1 [0.50 mm]

ANGLES
.X ± 1 DEG.

DRAWN	R. RAMIREZ	DATE	03-18-93
CHECKED		DATE	
APPROVED		DATE	
REVISED	N. NAGAR	DATE	13-02-15
CAD NAME	txr54_1_k_cd		

THIRD ANGLE PROJECTION

TE Connectivity

TITLE
TINEL-LOCK™ ADAPTER

SIZE	CODE IDENT. NO.	DWG. NO.
A	06090	TXR54

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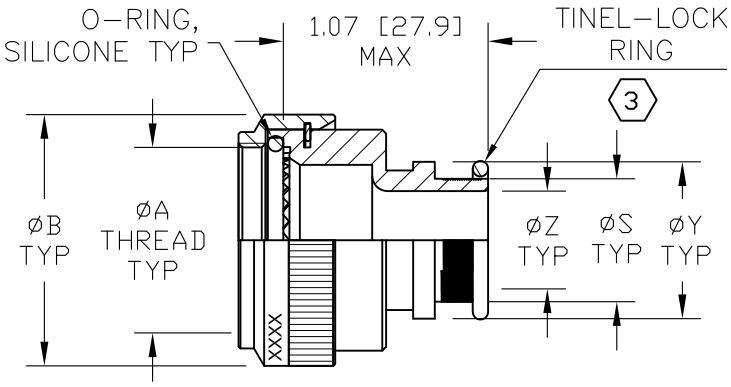
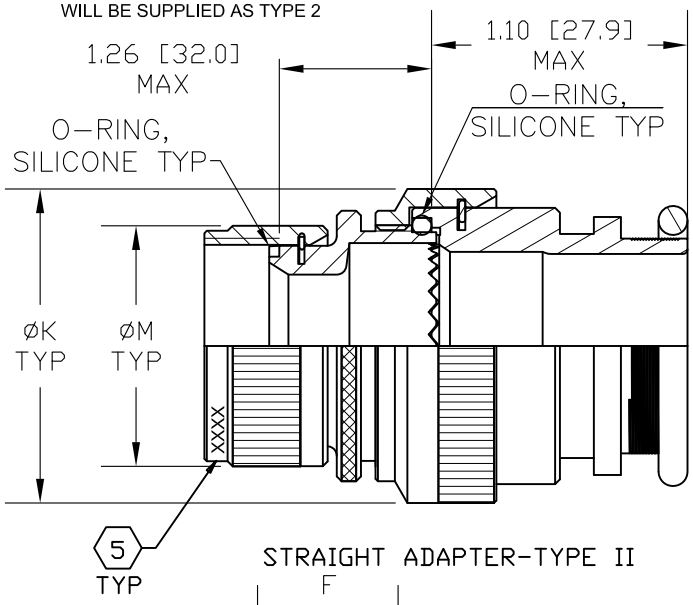
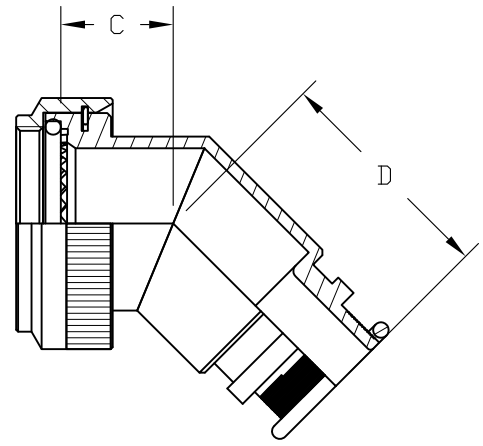


STRAIGHT ADAPTER-TYPE I

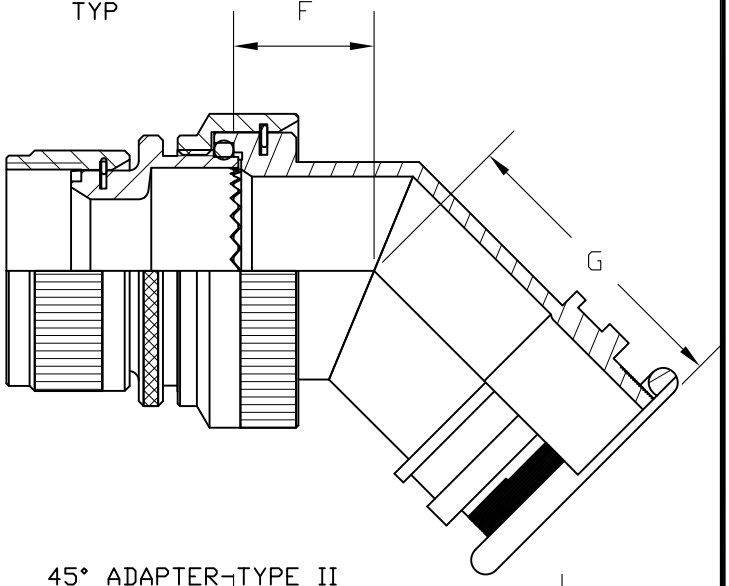
IF MAX ENTRY IS EXCEEDED ADAPTER WILL BE SUPPLIED AS TYPE 2



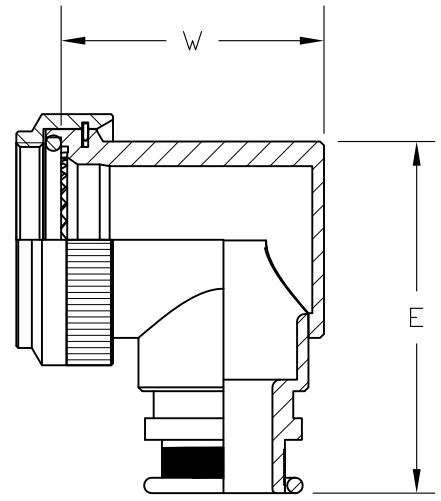
STRAIGHT ADAPTER-TYPE II



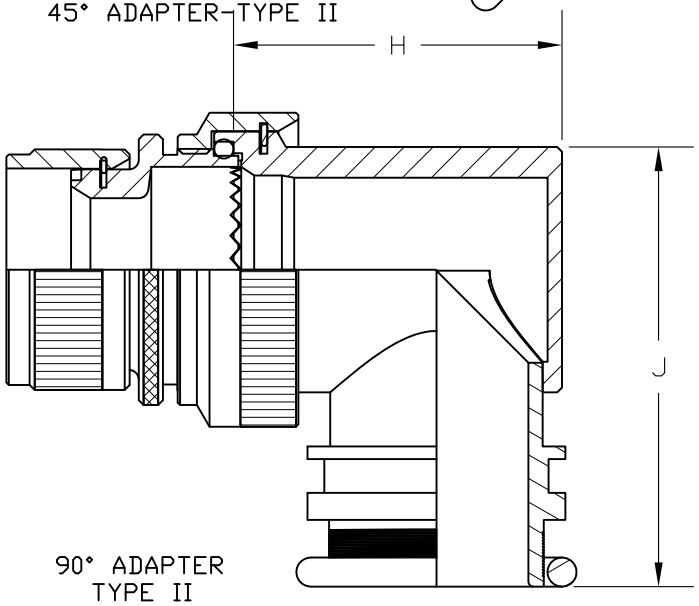
45° ADAPTER-TYPE I



45° ADAPTER-TYPE II



90° ADAPTER
TYPE I



90° ADAPTER
TYPE II

Raychem Adapters
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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

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TABLE I

ORDER NO.	SHELL SIZE (6)	SHELL SIZE (7)	MAX ENTRY SIZE TYPE I (5)	A THREAD CLASS 2B	B DIA MAX	B DIA MAX (8)	C MAX	D MAX	E MAX	M DIA MAX	W MAX	W MAX (9)
03	3		04	.562-24 UNEF	.669 [17.00]	.940 [23.88]	.75 [19.1]	1.083 [27.5]	1.13 [28.7]	.695 [17.65]	1.06 [26.9]	1.05 [26.8]
08		8 & 8S	04	.500-20 UNF	.617 [15.67]	.890 [22.61]	.75 [19.1]	1.075 [27.3]	1.10 [27.9]	.630 [16.00]	.98 [25.0]	.90 [22.9]
10		10, 10S & 10SL	06	.625-24 UNEF	.734 [18.64]	1.010 [25.65]	.77 [19.6]	1.102 [28.0]	1.16 [29.5]	.757 [19.23]	1.06 [27.0]	1.00 [25.5]
12	7	12 & 12S	08	.750-20 UNEF	.858 [21.79]	1.140 [28.96]	.80 [20.3]	1.122 [28.5]	1.22 [31.0]	.882 [22.40]	1.16 [29.5]	1.13 [28.8]
14	12	14 & 14S	08	.875-20 UNEF	.984 [24.99]	1.260 [32.00]	.82 [20.8]	1.161 [29.5]	1.28 [32.5]	1.007 [25.58]	1.22 [31.0]	1.21 [30.9]
16	19	16 & 16S	10	1.000-20 UNEF	1.112 [28.24]	1.390 [35.31]	.84 [21.3]	1.190 [30.2]	1.35 [34.3]	1.132 [28.75]	1.36 [34.5]	1.34 [34.0]
18	27	18	12	1.062-18 UNEF	1.218 [30.94]	1.510 [38.35]	.86 [21.8]	1.220 [31.0]	1.40 [35.6]	1.218 [30.94]	1.48 [37.5]	1.41 [36.0]
20	37	20	14	1.188-18 UNEF	1.345 [34.16]	1.640 [41.66]	.88 [22.4]	1.236 [31.4]	1.46 [37.1]	1.345 [34.16]	1.67 [42.5]	1.54 [39.3]
22		22	16	1.312-18 UNEF	1.468 [37.30]	1.760 [44.70]	.91 [23.1]	1.244 [31.6]	1.53 [38.9]	1.468 [37.30]	1.75 [44.5]	1.67 [42.4]
24		24	18	1.438-18 UNEF	1.593 [40.46]	1.890 [48.00]	.93 [23.6]	1.283 [32.6]	1.59 [40.4]	1.593 [40.46]	1.80 [45.5]	1.78 [45.3]
28		28	22	1.750-18 UNS	1.969 [50.01]	2.140 [54.36]	.98 [24.9]	1.300 [33.0]	1.78 [45.2]	1.969 [50.01]	2.15 [54.7]	2.01 [51.2]
32		32	24	2.000-18 UNS	2.219 [56.36]	2.400 [60.96]	1.03 [26.2]	1.19 [30.2]	1.90 [48.3]	2.219 [56.36]	2.41 [61.4]	2.38 [60.5]
36		36	24	2.250-16 UN	2.469 [62.71]	2.640 [67.06]	1.08 [27.4]	1.23 [31.2]	2.03 [51.6]	2.469 [62.71]	2.67 [67.7]	2.60 [66.0]
40		40	24	2.500-16 UN	2.719 [69.06]	2.890 [73.41]	1.15 [29.1]	1.28 [32.5]	2.15 [54.6]	-- [--]	2.90 [73.7]	2.85 [72.5]
44		44	24	2.750-16 UN	2.969 [75.41]	3.140 [79.76]	1.20 [30.6]	1.355 [34.2]	2.28 [57.9]	-- [--]	3.15 [80.0]	2.99 [76.0]
48		48	24	3.000-16 UN	3.219 [81.76]	3.390 [86.11]	1.25 [31.8]	1.394 [35.4]	2.40 [61.0]	-- [--]	3.40 [86.3]	3.16 [80.3]
61	61		18	1.500-18 UNEF	1.653 [42.00]	1.880 [47.75]	.94 [23.9]	1.09 [27.7]	1.62 [41.1]	1.653 [42.00]	1.90 [48.3]	1.92 [48.8]

TABLE II

ENTRY SIZE	Z +.010 -.020	S DIA	Y ±.015 [±0.38]	F MAX	G MAX	H MAX	H MAX (8)	J MAX	K MAX	K MAX (8)
04	.250 [6.35]	.376 [9.56] .370 [9.39]	.550 [13.97]	N/A	N/A	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]	1.10 [28.0]	1.19 [30.2]	1.19 [30.2]	1.16 [29.5]	.83 [21.0]	.97 [24.6]
06	.375 [9.53]	.501 [12.73] .495 [12.57]	.675 [17.14]	.77 [19.6]	1.10 [28.0]	1.19 [30.2]	1.19 [30.2]	1.16 [29.5]	.83 [21.0]	.97 [24.6]
07	.437 [11.09]	.563 [14.31] .556 [14.12]	.737 [18.71]	.80 [20.3]	1.10 [28.0]	1.38 [35.1]	1.38 [35.1]	1.22 [31.0]	.92 [23.4]	.97 [24.6]
08	.500 [12.70]	.626 [15.91] .619 [15.72]	.800 [20.32]	.80 [20.3]	1.12 [28.5]	1.38 [35.1]	1.38 [35.1]	1.22 [31.0]	.96 [24.5]	1.11 [28.3]
10	.625 [15.87]	.752 [19.11] .742 [18.84]	.925 [23.49]	.84 [21.3]	1.16 [29.5]	1.51 [38.4]	1.51 [38.4]	1.35 [34.3]	1.18 [30.0]	1.28 [32.4]
12	.750 [19.05]	.877 [22.28] .867 [22.02]	1.050 [26.67]	.88 [22.4]	1.19 [30.2]	1.63 [41.4]	1.63 [41.4]	1.40 [35.6]	1.35 [34.3]	1.40 [35.6]
14	.875 [22.23]	1.002 [25.46] .991 [25.17]	1.175 [29.84]	.88 [22.4]	1.22 [31.0]	1.78 [45.2]	1.78 [45.2]	1.46 [37.1]	1.41 [35.8]	1.51 [38.5]
16	1.000 [25.40]	1.127 [28.63] 1.116 [28.34]	1.300 [33.02]	.93 [23.6]	1.24 [31.4]	1.88 [47.8]	1.88 [47.8]	1.53 [38.9]	1.60 [40.6]	1.64 [41.7]
18	1.125 [28.57]	1.252 [31.81] 1.241 [31.52]	1.425 [36.19]	.93 [23.6]	1.25 [31.6]	2.01 [51.1]	2.01 [51.1]	1.59 [40.4]	1.66 [42.2]	1.73 [43.9]
20	1.250 [31.75]	1.377 [34.98] 1.366 [34.69]	1.550 [39.37]	.98 [24.9]	1.28 [32.6]	2.13 [54.1]	2.13 [54.1]	1.78 [45.2]	2.04 [51.8]	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]	1.41 [35.8]	2.29 [58.2]	2.29 [58.2]	1.85 [47.0]	2.23 [56.6]	2.23 [56.6]
24	1.500 [38.10]	1.627 [41.33] 1.613 [40.97]	1.800 [45.72]	1.08 [27.4]	1.52 [38.6]	2.42 [61.5]	2.42 [61.5]	1.92 [48.8]	2.23 [56.6]	2.23 [56.6]
28	1.750 [44.45]	1.873 [47.58] 1.867 [47.42]	2.050 [52.00]	1.08 [27.4]	1.76 [44.9]	2.60 [66.0]	2.40 [60.8]	2.03 [51.6]	2.30 [58.5]	2.40 [61.0]

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A	06090	TXR54	K
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