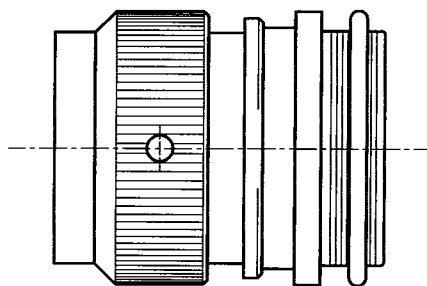


REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
N/C	INITIAL ISSUE	JAN 03	KJW



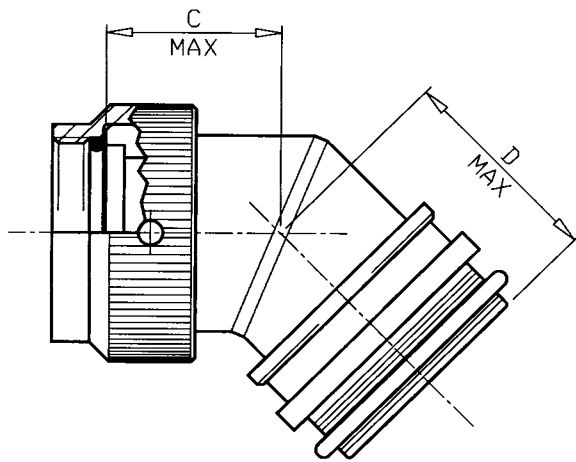
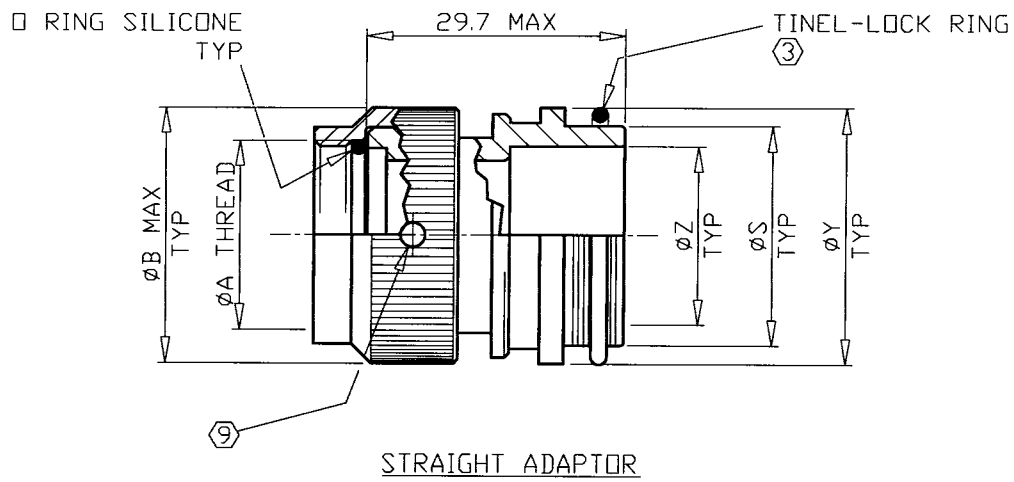
CODE 18 STXR TINEL-LOCK ADAPTOR

NOTES

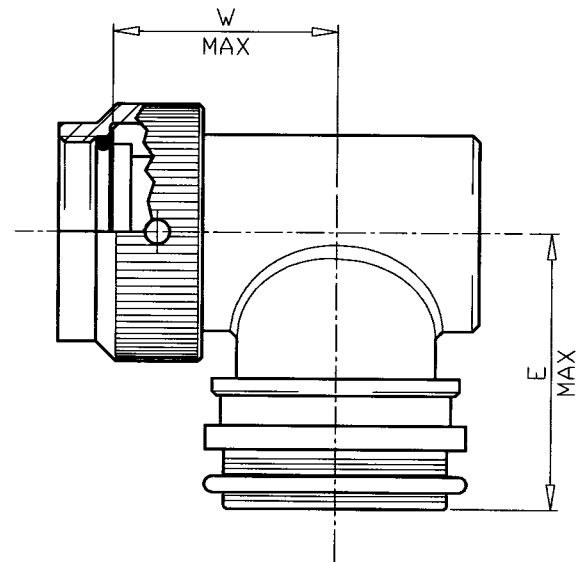
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR - SEE NOTE 6.
2. SEE SHEETS 2, 3 AND 4 FOR DIMENSIONS, AND SHEET 5 FOR PART NUMBERING SYSTEM AND ORDERING INFORMATION.
- ③ SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING. RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY. ALL RINGS ARE MARKED WITH THERMOCHROMIC PAINT WHICH CHANGES COLOUR WHEN INSTALLATION TEMPERATURE IS REACHED.
4. ADAPTER TO BE PERMANENTLY MARKED WITH CODE IDENTIFICATION NUMBER AND FULL PART NUMBER. (e.g. 06090-STXR18AB00-1616).
5. TINEL-LOCK RING IS TO BE SPECIFIED IN PART NUMBER WHEN ORDERING.
- ⑥ ADAPTOR MATES TO: MIL-DTL-5015 (LATEST REV.), CLASS A, E, F AND R, MS3100, MS3101 AND MS3106, RESILIENT INSERT, SOLDER TYPE CONNECTORS, AND AMPHENOL/BENDIX AND ITT-CANNON CONNECTORS AS LISTED ON SHEET 4.
- ⑦ ADDITIONAL PIECE(S) SUPPLIED WHEN CONNECTOR MANUFACTURER IS UNKNOWN ("D" IN TABLE III). SEE FIGURE A ON SHEET 2.
- ⑧ ALL THREAD SIZES FOR ORDER NUMBERS APPLY.
- ⑨ ANTI-ROTATIONAL SET SCREW, 3 THREADED HOLES $120^\circ \pm 5^\circ$ APART, SINGLE SINGLE MATING SET SCREW SUPPLIED: AN565DC4H2.
10. FOR ALTERNATIVE MATERIALS AND PLATING FINISHES CONTACT TYCO/RAYCHEM.

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .X ± --- [mm] .XX ± --- [mm] .XXX ± --- [mm] ANGLES .X ± ---	DRAWN IRT	DATE JAN 03	tyco/Electronics Raychem		
	CHECKED KJW	DATE JAN 03			
	APPROVED KJW	DATE JAN 03	TITLE TINEL-LOCK TM ADAPTOR		
	APPROVED KJW	DATE JAN 03			
	CAD NAME 85017				
THIRD ANGLE PROJECTION		SIZE A4	CODE IDENT. NO. 06090	DWG. NO. STXR18	REV N/C
		DO NOT SCALE THIS DWG		SHEET 1 OF 5	



45° ADAPTOR



90° ADAPTOR

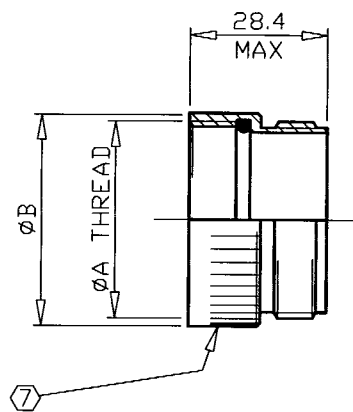


FIGURE A

SIZE	CODE IDENT. NO.	DWG. NO.	REV
A4	06090	STXR18	N/C
DO NOT SCALE THIS DWG			SHEET 2 OF 5

TABLE I									
ORDER NUMBER	SHELL SIZE ⑥	MFR CODE TABLE III	ENTRY SIZE		ØA UNIFIED THD CLASS 2B	ØB MAX	C MAX	D MAX	E MAX
			MIN	MAX					
08	8S	B	05	24	0.3750-32 UNEF	18.5	20.3	23.4	31.2
		C			0.4388-28 UNEF				
		A/R			0.4388-27 UNS				
		D ⑦			⑧				
10	10S	-	07	24	0.5000-28 UNEF	20.1	21.1	24.1	31.2
11	10SL	C	08	24	0.5625-24 UNEF	21.6	21.1	24.1	31.2
		A/B/R			0.6250-24 UNEF	23.4			
		D ⑦			⑧				
12	12/12S	B/C	10	24	0.6250-24 UNEF	23.4	21.1	24.1	31.2
		A/R			0.6875-24 UNEF	24.9	21.8	24.9	33.0
		D ⑦			⑧				
14	14/14S	-	12	24	0.7500-20 UNEF	26.4	21.8	24.9	33.0
16	16/16S	-	14	24	0.8750-20 UNEF	31.2	22.6	25.9	36.1
18	18	-	14	24	1.0000-20 UNEF	34.3	23.4	26.7	37.6
20	20	A/B/C	18	24	1.1250-18 UNEF	37.6	24.1	27.4	39.4
		R			1.1250-24 UNS				
		D ⑦			⑧				
22	22	-	20	24	1.2500-18 UNEF	40.6	24.9	28.2	40.9
24	24	-	22	24	1.3750-18 UNEF	43.9	24.9	28.2	42.4

SIZE	CODE IDENT. NO.	DWG. NO.	REV
A4	06090	STXR18	N/C
DO NOT SCALE THIS DWG			SHEET 3 OF 5

TABLE II				
ENTRY SIZE	Z DIA +0.25 -0.50	S DIAMETER	Y DIA ±0.38	W MAX
05	7.92	11.13/10.97	15.54	34.3
06	9.52	12.73/12.57	17.14	35.8
07	11.09	14.31/14.12	18.71	37.3
08	12.70	15.91/15.72	20.32	39.1
10	15.87	19.11/18.84	23.49	41.4
12	19.05	22.28/22.02	26.67	45.5
14	22.23	25.46/25.17	29.84	48.8
16	25.40	28.63/28.34	33.02	51.8
18	28.57	31.81/31.52	36.19	54.9
20	31.75	34.98/34.69	39.37	58.2
22	34.93	38.15/37.79	42.55	66.8
24	38.10	41.33/40.97	45.72	70.1

TABLE III	
MFR CODE	CONNECTOR MANUFACTURER * (MS 3100, MS 3101 AND MS 3106)
A	AMPHENOL - CLASS A
B	AMPHENOL (BENDIX) - CLASS A, E, F AND R
C	ITT-CANNON - CLASS A, E, F AND R
D	MANUFACTURER UNKNOWN - CLASS A, E, F AND R
R	AMPHENOL (BENDIX) - CLASS R
-	MANUFACTURER CODE NOT REQUIRED

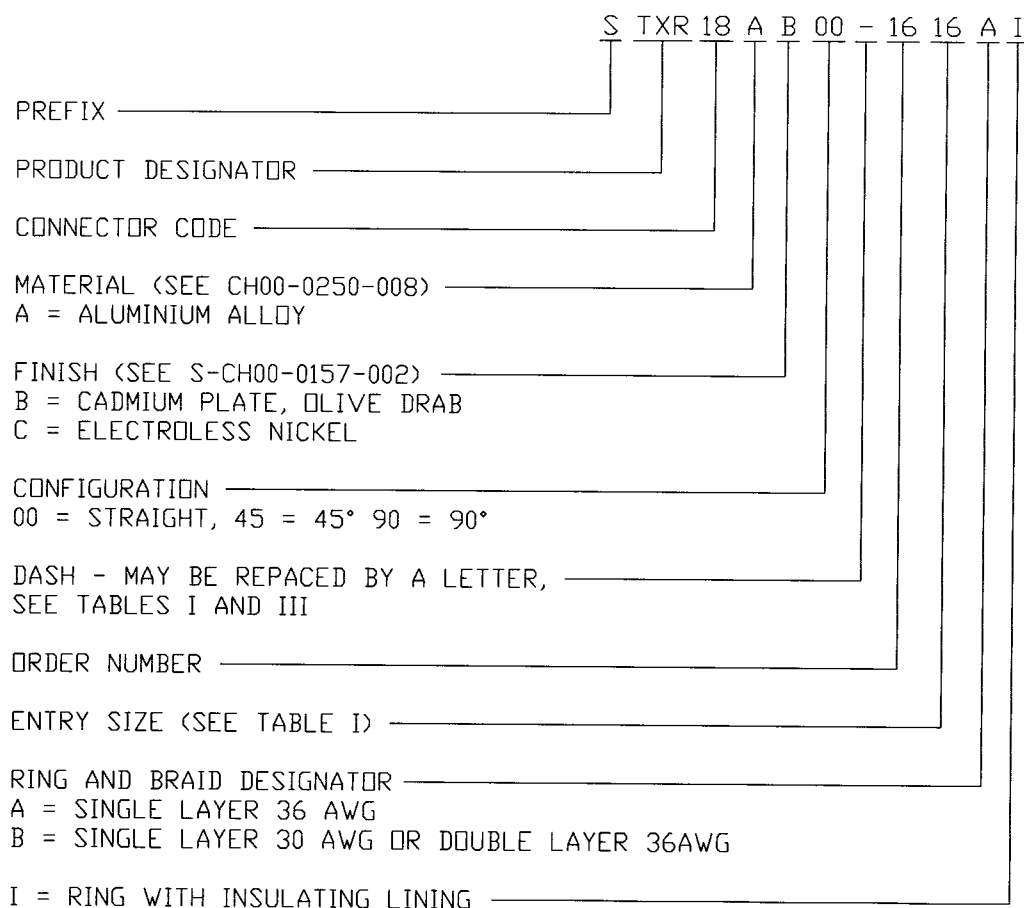
* CONNECTOR MANUFACTURERS PART NUMBERS THAT ARE COVERED IN TABLE III ARE AS FOLLOWS:

AMPHENOL (BENDIX) : 10-214, 10-72*, 71, SB, SC, SF, SG, SM AND GT

AMPHENOL : 69, 97 AND 246

ITT-CANNON : MS31** AND CA31** (NON-SEALED VERSIONS)

SIZE	CODE IDENT. NO.	DWG. NO.	REV
A4	06090	STXR18	N/C
DO NOT SCALE THIS DWG			SHEET 4 OF 5

PART NUMBERING SYSTEM

SIZE	CODE IDENT. NO.	DWG. NO.	REV
A4	06090	STXR18	N/C
DO NOT SCALE THIS DWG		SHEET 5 OF 5	