



CODE 41 - TINEL-LOCK BACKSHELL

TXR41AB00-1608AI-S

SERIES _____
 TXR: RING INCLUDED
 (SEE RING OPTION)
 TX: RING NOT INCLUDED
 CONNECTOR INTERFACE _____
 MATERIAL _____
 REFER TO CH00-0250-008
 FINISH _____
 REFER TO CH00-0250-008
 ANGLE _____
 DASH NUMBER (TABLE 1) _____
 ENTRY SIZE (TABLE 2) _____
 RING OPTION _____
 AI - TO SUIT SINGLE BRAID
 BI - TO SUIT DOUBLE BRAID
 FOR TX, LEAVE BLANK
 MODIFICATION CODE _____
 REFER TO CH00-0250-008

NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
2. FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
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. BACKSHELL TO BE PERMANENTLY MARKED/BAGGED AND LABELLED WITH CODE IDENTIFICATION NUMBER AND PART NUMBER LESS RING DESIGNATOR. (e.g. 06090-TXR41AB00-1206). RING SHALL BEAR NO MARKING.
5. FOR LARGER ENTRY SIZES, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED.
6. BACKSHELL MATES TO MIL-DTL-38999, SERIES I AND II, CLASS E AND T, MS27466, MS27467, MS27468, MS27472, MS27473, MS27474, MS27479, MS27480, MS27481, MS27484, MS27497, MS27652, MS27653, MS27656 CONNECTORS.
7. THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

DRAWN	K.WINCZURA	DATE	04/12/2014	 3RD ANGLE PROJECTION NOT TO SCALE	TITLE: TINEL-LOCK BACKSHELL	 Polanco 		
CHECKED		04/12/2014						
APPROVED	K.SHEPPARD	04/12/2014	<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0.25MM ANGULAR +/- 1°</small>					
APPROVED	H.SMITH	16/02/2015						
REVISIONS					ASSY USED ON: MIL-DTL-38999 SERIES I & II			
LTR	DESCRIPTION	DATE	APPROVED					
H	REVISED PER ECO-12-021161	04.12.12	G.WELLS					
J	REVISED PER ECO-15-002319	16.02.15	H.SMITH					
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792					<small>TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.</small>	DRAWING NO: TXR41	DRAWING REV: J	SHT 1



STRAIGHT BACKSHELL - TYPE 1



STRAIGHT BACKSHELL - TYPE 2



45° BACKSHELL - TYPE 1



45° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1
STAINLESS STEEL AND
NICKEL ALUMINIUM BRONZE



90° BACKSHELL - TYPE 2
STAINLESS STEEL AND
NICKEL ALUMINIUM BRONZE

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

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APPROVED	H.SMITH	DATE	16/02/2015

3RD ANGLE
PROJECTION
NOT TO
SCALE

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN MILLIMETRES
GENERAL TOL
LINEAR +/-0.25MM
ANGULAR +/- 1°

TITLE:
TINEL-LOCK BACKSHELL

ASSY USED ON:
MIL-DTL-38999 SERIES I & II



REVISIONS			
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MODIFICATION S (SELF-LOCKING COUPLING NUT)



BACKSHELL - TYPE 1



BACKSHELL - TYPE 2

TABLE 1

ORDER NO.	SHELL SIZE SER I / SER II	A THREAD	ØB MAX	ØB MAX (7)	MAX ENTRY	C ±0,5	D ±0,5	W ±0,5	T ±0,5	E ±0,5	THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE		
											W ±0,5	T ±0,5	E ±0,5
08	9 / 8	7/16-28UNEF	18,3	18,0	04	16,4	26,8	21,0	14,0	26,20	21,3	16,4	26,4
10	11 / 10	9/16-24UNEF	21,5	21,0	07	17,2	27,5	24,0	15,5	27,95	24,4	17,3	28,2
12	13 / 12	11/16-24UNEF	24,5	25,0	08	17,6	28,0	27,0	17,0	29,45	28,4	19,5	29,7
14	15 / 14	13/16-20UNEF	27,8	28,0	10	18,5	29,0	31,0	19,5	31,00	31,2	21,0	31,2
16	17 / 16	15/16-20UNEF	30,8	31,0	12	19,2	29,7	34,0	21,0	32,70	34,3	22,8	32,9
18	19 / 18	1 1/16-18UNEF	34,1	34,0	14	19,6	30,5	35,0	20,0	34,25	38,6	25,3	34,5
20	21 / 20	1 3/16-18UNEF	37,3	37,0	16	20,4	30,9	38,0	21,5	35,80	40,8	26,1	36,1
22	23 / 22	1 5/16-18UNEF	40,5	40,0	18	20,8	31,1	42,0	24,0	37,40	43,8	27,6	37,6
24	25 / 24	1 7/16-18UNEF	43,7	43,5	20	21,7	32,1	45,0	25,5	38,90	46,5	29,1	39,1

TABLE 2

ENTRY SIZE	ØZ MIN	ØS	ØY ± 0,3	ØK MAX	ØK MAX (7)	F ±0,5	G ±0,5	H ±0,5	M ±0,5	J ±0,5	THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE			
											H ±0,5	M ±0,5	J ±0,5	
04	6,35	9,49 +/-0,04	14,00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05	7,92	11,06 +/-0,04	15,50	21,0	24,6	12,5	27,5	24,0	15,5	27,95	24,3	17,2	28,2	28,2
06	9,53	12,66 +/-0,04	17,10	21,0	24,6	12,5	27,5	24,0	15,5	27,95	24,3	17,2	28,2	28,2
07	11,10	14,21 +/-0,07	18,70	21,0	24,6	12,5	27,5	24,0	15,5	27,95	24,3	17,2	28,2	28,2
08	12,70	15,81 +/-0,07	20,30	24,5	28,3	13,1	28,0	27,0	17,0	29,45	28,3	19,4	29,7	29,7
10	15,88	18,96 +/-0,08	23,50	29,0	32,4	13,5	29,0	31,0	19,5	31,00	31,1	21,0	31,2	31,2
12	19,05	22,14 +/-0,08	26,70	32,5	35,6	14,5	29,7	34,0	21,0	32,70	34,2	22,8	32,9	32,9
14	22,23	25,30 +/-0,08	29,80	35,5	38,5	15,5	30,5	35,0	20,0	34,25	38,5	25,3	34,5	34,5
16	25,40	28,48 +/-0,08	33,00	37,0	41,7	16,1	30,9	38,0	21,5	35,80	40,7	26,1	36,1	36,1
18	28,58	31,65 +/-0,08	36,20	40,0	43,9	16,5	31,1	42,0	24,0	37,40	43,7	27,6	37,6	37,6
20	31,75	34,83 +/-0,08	39,40	43,5	47,0	17,0	32,1	45,0	25,5	38,90	46,4	29,1	39,1	39,1
22	34,93	37,98 +/-0,08	42,50	48,5	50,0	18,5	35,3	54,5	31,0	42,00	50,0	31,0	42,0	42,0
24	38,10	41,15 +/-0,08	45,70	52,1	56,0	21,9	38,1	58,0	33,0	46,00	53,5	33,0	46,0	46,0

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DRAWING NO:		DRAWING REV:		SHT
TXR41		J		3



