



## CODE 40 - TINEL-LOCK BACKSHELL

**TXR40AB00-1608AI-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 (2)

### 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-TXR40AB00-1206). 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 III AND IV, CLASS C, F, K, AND W, D38999/20, /24, /26, /40, /46 AND /47 CONNECTORS, AND WHEN SO MATED SHALL PROVIDE A WATER-TIGHT SEAL MEETING THE REQUIREMENTS OF MIL-C-85049, PARA. 3. 5. 7.
- (7) THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

<b>DRAWN</b>	K.WINCZURA	DATE	04/12/2014	 3RD ANGLE PROJECTION NOT TO SCALE  UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES <b>GENERAL TOL</b> LINEAR +/-0.25MM ANGULAR +/- 1°	<b>TITLE:</b>	TINEL-LOCK BACKSHELL	 Polamco 	
<b>CHECKED</b>		DATE	04/12/2014		<b>ASSY USED ON:</b>			MIL-DTL-38999 SERIES III & IV
<b>APPROVED</b>	K.SHEPPARD	DATE	04/12/2014					
<b>APPROVED</b>	H.SMITH	DATE	15/06/2015					
<b>REVISIONS</b>								
<b>LTR</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROVED</b>					
K	REVISED PER ECO-15-002200	11.02.15	H.SMITH					
L	REVISED PER ECO-17-009011	21.06.17	D.JONES					
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792					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.	<b>DRAWING NO:</b> TXR40	<b>DRAWING REV:</b> L	<b>SHT</b> 1



STRAIGHT BACKSHELL - TYPE 1



STRAIGHT BACKSHELL - TYPE 2

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



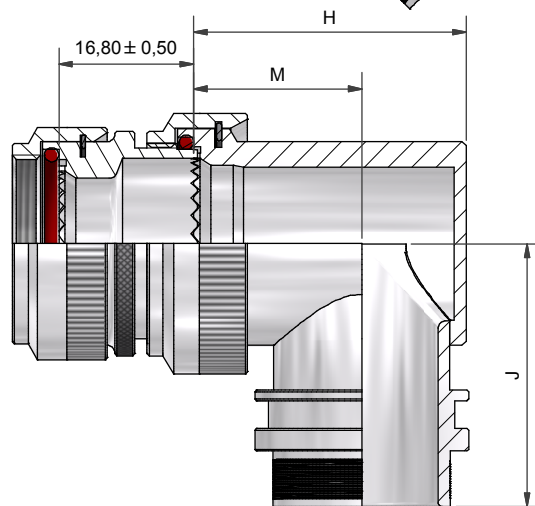
45° BACKSHELL - TYPE 1



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

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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 III & IV



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DRAWING NO:	DRAWING REV:	SHT
TXR40	L	2

# MODIFICATION S (SELF-LOCKING COUPLING NUT)



BACKSHELL - TYPE 1



BACKSHELL - TYPE 2

TABLE 1

ORDER NO.	SHELL SIZE COM'L / MIL	A THREAD	ØB MAX	ØB MAX $\langle 7 \rangle$	MAX ENTRY	C	D	W	T	E	THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE		
											W	T	E
08	9 / A	M12 × 1.0	18,0	21,5	04	12,0	26,8	21,0	14,0	26,20	±0,5	±0,5	±0,5
10	11 / B	M15 × 1.0	21,0	24,6	07	12,5	27,5	24,0	15,5	27,95	±0,5	±0,5	±0,5
12	13 / C	M18 × 1.0	24,5	28,3	08	13,1	28,0	27,0	17,0	29,45	±0,5	±0,5	±0,5
14	15 / D	M22 × 1.0	29,0	32,4	10	13,5	29,0	31,0	19,5	31,00	±0,5	±0,5	±0,5
16	17 / E	M25 × 1.0	32,5	35,6	12	14,5	29,7	34,0	21,0	32,70	±0,5	±0,5	±0,5
18	19 / F	M28 × 1.0	35,5	38,5	14	15,5	30,5	35,0	20,0	34,25	±0,5	±0,5	±0,5
20	21 / G	M31 × 1.0	37,0	41,7	16	16,1	30,9	38,0	21,5	35,80	±0,5	±0,5	±0,5
22	23 / H	M34 × 1.0	40,0	43,9	18	16,5	31,1	42,0	24,0	37,40	±0,5	±0,5	±0,5
24	25 / J	M37 × 1.0	43,5	47,0	20	17,0	32,1	45,0	25,5	38,90	±0,5	±0,5	±0,5

TABLE 2

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

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<b>ASSY USED ON:</b>		<b>MIL-DTL-38999 SERIES III &amp; IV</b>	



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DRAWING NO:	DRAWING REV:	SHT
<b>TXR40</b>	<b>L</b>	<b>3</b>