

BAND (SUPPLIED FLAT) (3)(8)  
(SEE PART NUMBER BREAKDOWN  
FOR OPTIONS)

## CODE 40 - BANDING BACKSHELL

SERIES BNX40AB00-1608 -S  
BNX - BAND STRAP NOT INCLUDED  
BND - BAND STRAP INCLUDED  
(SEE BAND TERMINATION  
CONFIGURATION)  
CONNECTOR INTERFACE \_\_\_\_\_  
MATERIAL \_\_\_\_\_  
REFER TO CH00-0250-016  
FINISH \_\_\_\_\_  
REFER TO CH00-0250-016  
ANGLE \_\_\_\_\_  
ORDER NUMBER (TABLE 1) \_\_\_\_\_  
ENTRY SIZE (TABLE 2) \_\_\_\_\_  
BAND TERMINATION CONFIGURATION (3)(8) \_\_\_\_\_  
V - ONE STEP STANDARD BAND  
W - ONE STEP MICROBAND  
U - TWO STEP STANDARD BAND  
FOR BNX, LEAVE BLANK  
OPTION FIELD SEPARATOR \_\_\_\_\_  
MODIFICATION CODE \_\_\_\_\_  
REFER TO CH00-0250-016 (2)

### NOTES:

1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD BY MEANS OF A BAND STRAP AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.

(2) FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-016.

(3) SEE DRAWING BND-XXXXX FOR MORE INFORMATION.

4. BACKSHELL TO BE PERMANENTLY MARKED WITH CODE IDENTIFICATION NUMBER AND FULL BASIC PART NUMBER (e.g. 06090-BND40AB00-1814). BACKSHELL TO BE MARKED WITH "BND" EVEN IF NO BAND IS ORDERED. THE BAND TERMINATION CONFIGURATION CODE IS FOR ORDERING INFORMATION ONLY AND IS NOT A PART MARKING REQUIREMENT.

(5) ALL ENTRY SIZES ARE SHOWN IN TABLE 2. MAXIMUM ENTRY SIZES ARE SHOWN IN TABLE 1. IF MAX ENTRY IS EXCEEDED, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED. SEE CH00-0250-016 FOR FURTHER DETAILS.

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

(8) V AND U BANDS ARE SUITABLE FOR ENTRY SIZES 03-24, W IS SUITABLE FOR ENTRY SIZES 03-12 ONLY. CONTACT FACTORY FOR BAND OPTIONS ON LARGER ENTRY SIZES.

DRAWN	K.WINCZURA	DATE	15/09/2015
CHECKED		DATE	15/09/2015
APPROVED	K.SHEPPARD	DATE	15/09/2015
APPROVED	H.SMITH	DATE	15/09/2015
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
F	REVISED PER ECO-15-010973	15/09/2015	H.SMITH
G	REVISED PER ECO-15-016545	17/11/2015	H.SMITH



3RD ANGLE  
PROJECTION  
NOT TO  
SCALE

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

TITLE:

BANDING BACKSHELL

ASSY USED ON:

MIL-DTL-38999 SERIES III & IV



Polamco  
TE  
connectivity

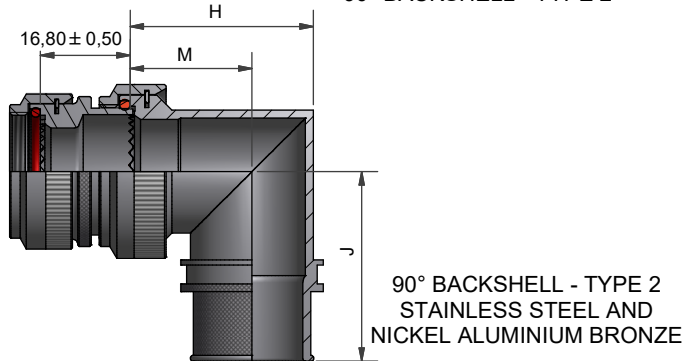
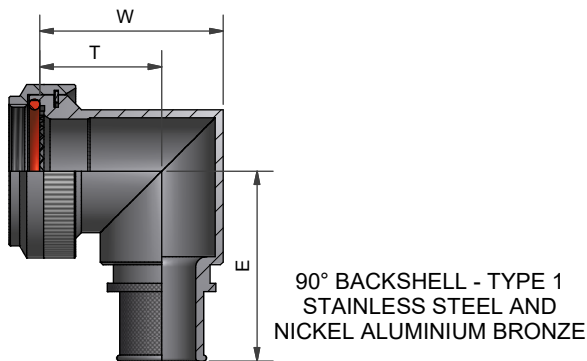
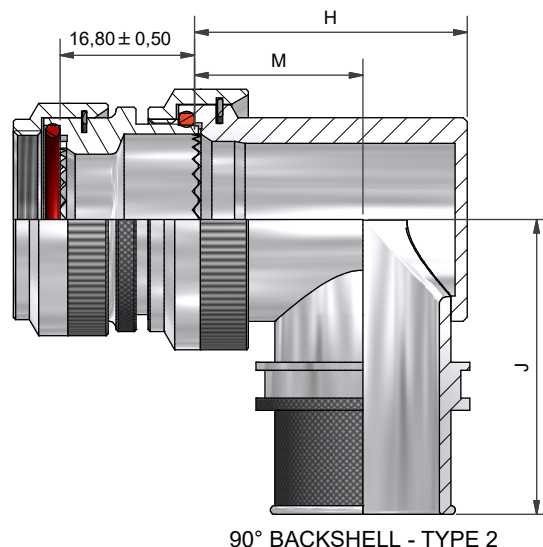
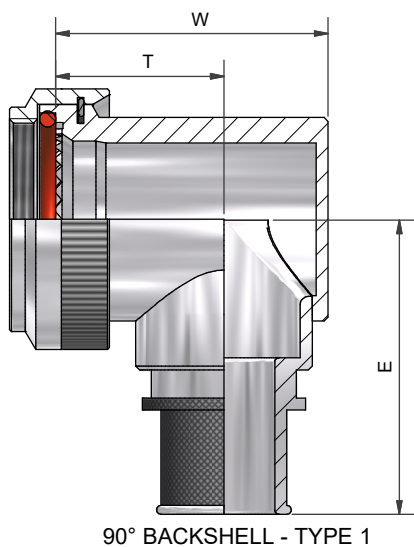
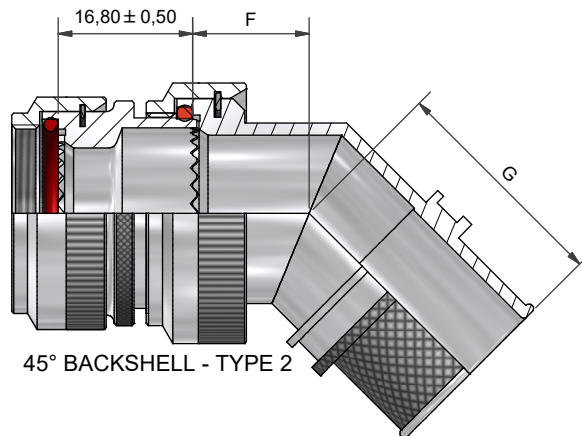
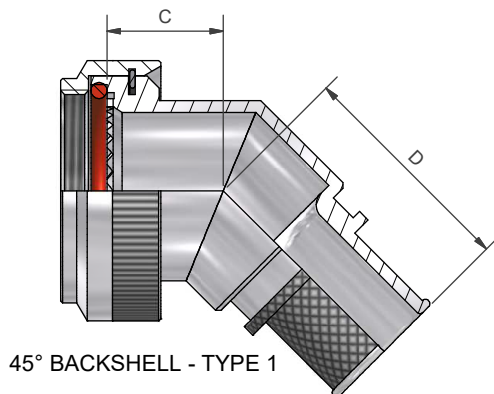
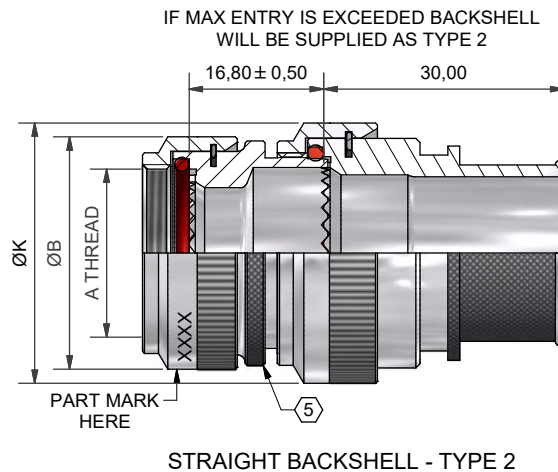
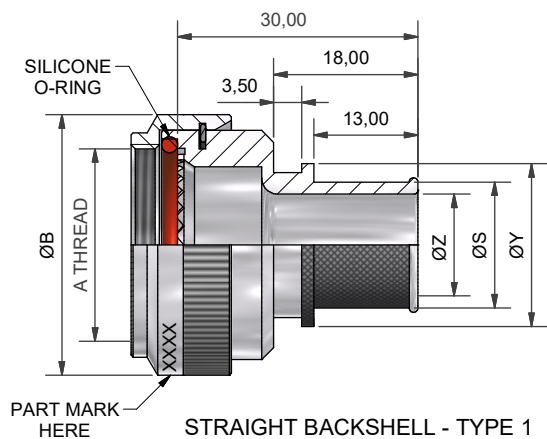
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DRAWING NO:  
BND40A

DRAWING REV:  
G

SHT  
1

TE CAGE CODE: 06090  
POLAMCO/TE CAGE CODE: U5792



DRAWN	K.WINCZURA	DATE	15/09/2015
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F	REVISED PER ECO-15-010973	15/09/2015	H.SMITH
G	REVISED PER ECO-15-016545	17/11/2015	H.SMITH
TE CAGE CODE: 06090 POLAMCO/TE CAGE CODE: U5792			

TITLE:		BANDING BACKSHELL	
ASSY USED ON:		MIL-DTL-38999 SERIES III & IV	
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		BND40A	G
		SHT	2



# MODIFICATION S (SELF-LOCKING COUPLING NUT)

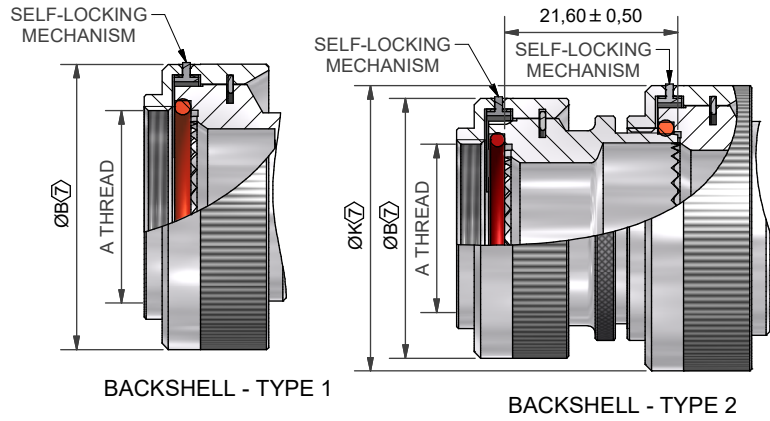


TABLE 1

ORDER NUMBER	SHELL SIZE COM'L / MIL	A THREAD	ØB MAX	ØB MAX $\overline{\text{7}}$	MAX ENTRY	C $\pm 0,5$	D $\pm 0,5$	W $\pm 0,5$	T $\pm 0,5$	E $\pm 0,5$	W $\pm 0,5$	T $\pm 0,5$	E $\pm 0,5$
08	9 / A	M12 $\times$ 1.0	18,0	21,5	04	12,0	25,1	21,0	14,0	30,0	21,2	16,3	29,0
10	11 / B	M15 $\times$ 1.0	21,0	24,6	07	12,5	26,2	24,0	15,5	32,0	24,3	17,2	31,2
12	13 / C	M18 $\times$ 1.0	24,5	28,3	09	13,1	26,6	27,0	17,0	33,5	28,3	19,4	33,0
14	15 / D	M22 $\times$ 1.0	29,0	32,4	10	13,5	27,5	31,0	19,5	35,4	31,1	21,0	34,9
16	17 / E	M25 $\times$ 1.0	32,5	35,6	12	14,5	28,3	34,0	21,0	36,7	34,2	22,8	35,5
18	19 / F	M28 $\times$ 1.0	35,5	38,5	14	15,5	28,8	35,0	20,0	38,3	38,5	25,3	37,2
20	21 / G	M31 $\times$ 1.0	37,0	41,7	16	16,1	29,7	38,0	21,5	40,0	40,7	26,1	38,7
22	23 / H	M34 $\times$ 1.0	40,0	43,9	18	16,5	30,0	42,0	24,0	41,6	43,7	27,6	40,2
24	25 / J	M37 $\times$ 1.0	43,5	47,0	20	17,0	30,9	45,0	25,5	43,0	46,4	29,1	44,9

THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE

TABLE 2

ENTRY SIZE	ØZ MIN	ØS MAX	ØY MAX	ØK MAX	ØK MAX $\overline{\text{7}}$	F $\pm 0,5$	G $\pm 0,5$	H $\pm 0,5$	M $\pm 0,5$	J $\pm 0,5$	H $\pm 0,5$	M $\pm 0,5$	J $\pm 0,5$
03	4,7	7,8	14,0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04	6,3	9,4	14,0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05	7,9	11,0	15,5	21,0	24,6	12,5	26,2	24,0	15,5	32,0	24,3	17,2	31,2
06	9,5	12,5	17,2	21,0	24,6	12,5	26,2	24,0	15,5	32,0	24,3	17,2	31,2
07	11,1	14,1	18,7	21,0	24,6	12,5	26,2	24,0	15,5	32,0	24,3	17,2	31,2
08	12,7	15,7	20,3	24,5	28,3	13,1	26,6	27,0	17,0	33,5	28,3	19,4	33,0
09	14,2	17,3	21,9	24,5	28,3	13,1	26,6	27,0	17,0	33,5	28,3	19,4	33,0
10	15,8	18,8	23,5	29,0	32,4	13,5	27,5	31,0	19,5	35,4	31,1	21,0	34,9
11	17,4	20,5	25,1	32,5	35,6	14,5	28,3	34,0	21,0	36,7	34,2	22,8	35,5
12	19,0	22,0	26,7	32,5	35,6	14,5	28,3	34,0	21,0	36,7	34,2	22,8	35,5
13	20,6	23,6	28,3	35,5	38,5	15,5	28,8	35,0	20,0	38,3	38,5	25,3	37,2
14	22,2	25,2	29,9	35,5	38,5	15,5	28,8	35,0	20,0	38,3	38,5	25,3	37,2
15	23,8	26,8	31,5	37,0	41,7	16,1	29,7	38,0	21,5	40,0	40,7	26,1	38,7
16	25,4	28,4	33,1	37,0	41,7	16,1	29,7	38,0	21,5	40,0	40,7	26,1	38,7
18	28,6	30,0	36,3	40,0	43,9	16,5	30,0	42,0	24,0	41,6	43,7	27,6	40,2
20	31,8	34,8	39,5	43,5	47,0	17,0	30,9	45,0	25,5	43,0	46,4	29,1	44,9
22	35,0	38,0	42,7	48,5	50,0	18,5	31,3	54,5	31,0	45,1	50,0	31,0	45,1
24	38,1	41,1	45,9	52,1	56,0	21,9	32,8	58,0	33,0	51,1	53,5	33,0	51,1
26 $\overline{\text{8}}$	41,3	44,3	49,1	56,6	61,3	25,7	32,8	62,5	35,0	51,1	58,0	35,0	51,1
28 $\overline{\text{8}}$	44,5	47,5	52,3	63,0	64,5	26,9	33,8	65,5	34,5	54,1	61,0	34,5	54,1
30 $\overline{\text{8}}$	47,6	50,7	55,6	75,5	80,2	29,2	34,4	69,0	36,0	57,4	64,5	36,0	57,4
32 $\overline{\text{8}}$	50,8	53,8	58,5	75,5	80,2	29,2	34,4	72,0	37,5	57,4	67,5	37,5	57,4
34 $\overline{\text{8}}$	54,0	57,0	61,8	75,5	80,2	29,2	34,4	75,5	39,0	57,4	71,0	39,0	57,4

THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE

<b>DRAWN</b>	K.WINCZURA	<b>DATE</b>	15/09/2015	<p>3RD ANGLE PROJECTION NOT TO SCALE</p> <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES</p> <p><b>GENERAL TOL</b></p> <p>LINEAR <math>\pm 0,25\text{MM}</math></p> <p>ANGULAR <math>\pm 1^\circ</math></p>	<b>TITLE:</b>	BANDING BACKSHELL			<p>Polamco</p> <p>TE connectivity</p>			
<b>CHECKED</b>		<b>DATE</b>	15/09/2015		<b>ASSY USED ON:</b>					MIL-DTL-38999 SERIES III & IV		
<b>APPROVED</b>	K.SHEPPARD	<b>DATE</b>	15/09/2015									
<b>APPROVED</b>	H.SMITH	<b>DATE</b>	15/09/2015									
<b>REVISIONS</b>												
<b>LTR</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>APPROVED</b>									
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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> BND40A	<b>DRAWING REV:</b> G	<b>SHT</b> 3

# Mouser Electronics

Authorized Distributor

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[BND40AC90-1609A](#)