



## CODE 21 - TINEL-LOCK BACKSHELL

**TXR21AB00-1608AI-**

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-TXR21AB00-1406). 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-26482 SERIES I, MS3110, MS3116, MS3120, MS3126 CLASS E AND F CONNECTORS.
- (7) ANTI-ROTATIONAL SET SCREW, 3 THREADED HOLES  $120^\circ \pm 5^\circ$  APART, SINGLE MATING SET SCREW SUPPLIED.

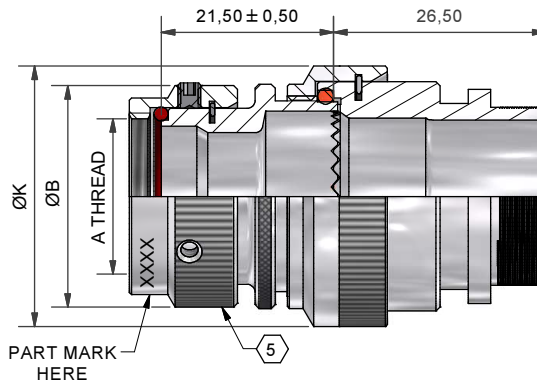
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|                                                    |                           |                    |                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRAWN                                              | K.WINCZURA                | DATE<br>04/12/2014 | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE                                                                                  | TITLE:<br><br>TINEL-LOCK BACKSHELL          | <br>Polamco<br> |
| CHECKED                                            |                           | 04/12/2014         |                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                           |
| APPROVED                                           | K.SHEPPARD                | 08/12/2014         |                                                                                                                                                                                                                    | ASSY USED ON:<br><br>MIL-DTL-26482 SERIES I |                                                                                                                                                                                           |
| APPROVED                                           | H.SMITH                   | 13/07/2015         |                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                           |
| REVISIONS                                          |                           |                    |                                                                                                                                                                                                                    |                                             |                                                                                                                                                                                           |
| LTR                                                | DESCRIPTION               | DATE               | APPROVED                                                                                                                                                                                                           |                                             |                                                                                                                                                                                           |
| H                                                  | REVISED PER ECO-15-002324 | 17/02/2015         | H.SMITH                                                                                                                                                                                                            |                                             |                                                                                                                                                                                           |
| J                                                  | REVISED PER ECO-15-010170 | 13/07/2015         | H.SMITH                                                                                                                                                                                                            |                                             |                                                                                                                                                                                           |
| TE CAGE CODE: 06090<br>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. | DRAWING NO:<br>TXR21                        | DRAWING REV:<br>J                                                                                                                                                                         |
|                                                    |                           |                    |                                                                                                                                                                                                                    |                                             | SHT<br>1                                                                                                                                                                                  |

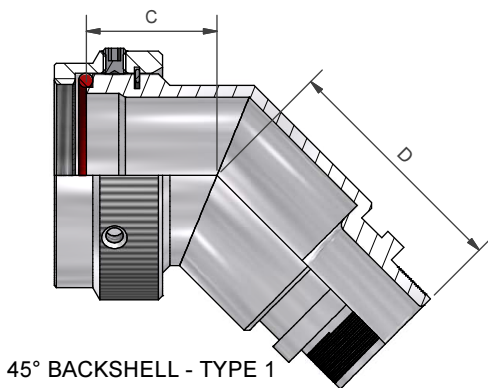
IF MAX ENTRY IS EXCEEDED BACKSHELL  
WILL BE SUPPLIED AS TYPE 2



STRAIGHT BACKSHELL - TYPE 1



STRAIGHT BACKSHELL - TYPE 2



45° BACKSHELL - TYPE 1



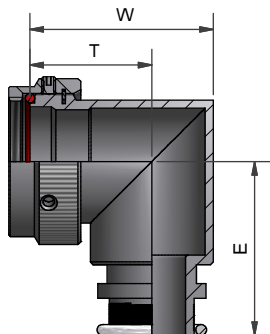
45° BACKSHELL - TYPE 2



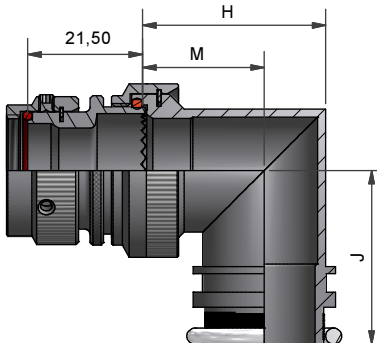
90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



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



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

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|          |            |      |            |                                                                                                                                                                        |
|----------|------------|------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRAWN    | K.WINCZURA | DATE | 04/12/2014 | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE<br><br>UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0,25MM<br>ANGULAR +/- 1° |
| CHECKED  |            | DATE | 04/12/2014 |                                                                                                                                                                        |
| APPROVED | K.SHEPPARD | DATE | 08/12/2014 |                                                                                                                                                                        |
| APPROVED | H.SMITH    | DATE | 13/07/2015 |                                                                                                                                                                        |

REVISIONS

| LTR | DESCRIPTION               | DATE       | APPROVED |
|-----|---------------------------|------------|----------|
| H   | REVISED PER ECO-15-002324 | 17/02/2015 | H.SMITH  |
| J   | REVISED PER ECO-15-010170 | 13/07/2015 | H.SMITH  |

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

TITLE:

TINEL-LOCK BACKSHELL

ASSY USED ON:

MIL-DTL-26482 SERIES I

TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING  
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INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.

DRAWING NO:  
TXR21

DRAWING REV:  
J

SHT  
2



TABLE 1

|                 |               |               |           |              |           |           |           |           |           | THESE DIMENSIONS APPLY IF<br>BACKSHELL IS STAINLESS STEEL<br>OR NICKEL ALUMINIUM BRONZE |           |           |
|-----------------|---------------|---------------|-----------|--------------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
| ORDER<br>NUMBER | SHELL<br>SIZE | A THREAD      | ØB<br>MAX | MAX<br>ENTRY | C<br>±0,5 | D<br>±0,5 | W<br>±0,5 | T<br>±0,5 | E<br>±0,5 | W<br>±0,5                                                                               | T<br>±0,5 | E<br>±0,5 |
| 08              | 08            | 7/16-28UNEF   | 18,05     | 04           | 13,9      | 26,8      | 25,0      | 17,5      | 26,20     | 22,5                                                                                    | 17,5      | 26,4      |
| 10              | 10            | 9/16-24UNEF   | 21,55     | 06           | 14,7      | 27,5      | 28,0      | 18,6      | 27,95     | 25,8                                                                                    | 18,6      | 28,2      |
| 12              | 12            | 11/16-24UNEF  | 24,65     | 08           | 15,1      | 28,0      | 31,5      | 20,5      | 29,45     | 29,5                                                                                    | 20,5      | 29,7      |
| 14              | 14            | 13/16-20UNEF  | 27,65     | 10           | 16,0      | 29,0      | 35,0      | 22,5      | 31,00     | 32,7                                                                                    | 22,5      | 31,2      |
| 16              | 16            | 15/16-20UNEF  | 31,05     | 12           | 16,3      | 29,7      | 38,0      | 24,0      | 32,70     | 35,5                                                                                    | 24,0      | 32,9      |
| 18              | 18            | 1 1/16-18UNEF | 34,35     | 12           | 17,3      | 30,5      | 41,5      | 26,0      | 34,25     | 39,3                                                                                    | 26,0      | 34,5      |
| 20              | 20            | 1 3/16-18UNEF | 37,55     | 14           | 18,1      | 30,9      | 45,0      | 28,0      | 35,80     | 42,7                                                                                    | 28,0      | 36,1      |
| 22              | 22            | 1 5/16-18UNEF | 40,55     | 16           | 18,5      | 31,1      | 48,0      | 29,5      | 37,40     | 45,7                                                                                    | 29,5      | 37,6      |
| 24              | 24            | 1 7/16-18UNEF | 43,55     | 18           | 19,3      | 32,1      | 51,0      | 31,0      | 38,90     | 48,4                                                                                    | 31,0      | 39,1      |

TABLE 2

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

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|------------------------------------------------------------------------------------------------------------------|---------------------------|------|------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| DRAWN                                                                                                            | K.WINCZURA                | DATE | 04/12/2014 | <br>3RD ANGLE<br>PROJECTION<br>NOT TO<br>SCALE | TITLE:<br><br>TINEL-LOCK BACKSHELL                                                                                                                                                                                       |  |  |  | <br>Polamco<br> |                   |          |
| CHECKED                                                                                                          |                           | DATE | 04/12/2014 |                                                                                                                                   |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| APPROVED                                                                                                         | K.SHEPPARD                | DATE | 08/12/2014 |                                                                                                                                   | ASSY USED ON:<br><br>MIL-DTL-26482 SERIES I                                                                                                                                                                              |  |  |  |                                                                                                                                                                                           |                   |          |
| APPROVED                                                                                                         | H.SMITH                   | DATE | 13/07/2015 |                                                                                                                                   |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0,25MM<br>ANGULAR +/- 1° |                           |      |            |                                                                                                                                   |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| REVISIONS                                                                                                        |                           |      |            |                                                                                                                                   |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| LTR                                                                                                              | DESCRIPTION               |      | DATE       | APPROVED                                                                                                                          |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| H                                                                                                                | REVISED PER ECO-15-002324 |      | 17/02/2015 | H.SMITH                                                                                                                           |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| J                                                                                                                | REVISED PER ECO-15-010170 |      | 13/07/2015 | H.SMITH                                                                                                                           |                                                                                                                                                                                                                          |  |  |  |                                                                                                                                                                                           |                   |          |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792                                                               |                           |      |            |                                                                                                                                   | TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING<br>AND THE INFORMATION SET FORTH HEREON AT ANY TIME. USERS SHOULD<br>INDEPENDENTLY EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION. |  |  |  | DRAWING NO:<br>TXR21                                                                                                                                                                      | DRAWING REV:<br>J | SHT<br>3 |

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| <a href="#"><u>TXR21AB00-1004AI</u></a> | <a href="#"><u>TXR21AB00-1608AI</u></a>  | <a href="#"><u>TXR21AB00-1614AI</u></a>  | <a href="#"><u>TXR21AB00-2006AI</u></a>         | <a href="#"><u>TXR21AB00-2014AI</u></a>  |
| <a href="#"><u>TXR21AB90-0805AI</u></a> | <a href="#"><u>TXR21AB90-1004AI</u></a>  | <a href="#"><u>TXR21AB90-1410AI</u></a>  | <a href="#"><u>TXR21AB90-1614AI</u></a>         | <a href="#"><u>TXR21AB90-2212AI</u></a>  |
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| <a href="#"><u>TXR21AB00-2014CI</u></a> | <a href="#"><u>TXR21AB00-1818BI</u></a>  | <a href="#"><u>TXR21AB00-1816AI</u></a>  | <a href="#"><u>TXR21AZ00-0804AI</u></a>         | <a href="#"><u>TXR21AZ90-1007AI</u></a>  |
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