



## CODE 76 - TINEL-LOCK BACKSHELL

**TXR76AB00-1608AI**

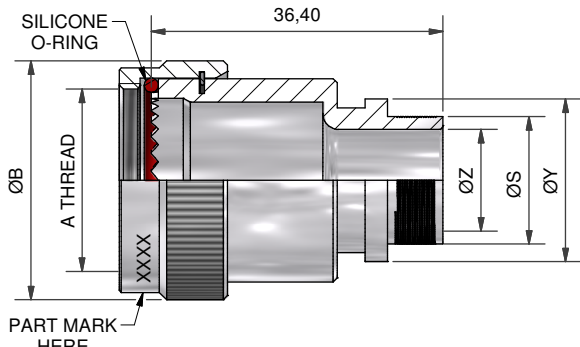
SERIES \_\_\_\_\_  
 TXR: RING INCLUDED  
 (SEE RING OPTION)  
 TX: RING NOT INCLUDED  
 CONNECTOR INTERFACE \_\_\_\_\_  
 MATERIAL \_\_\_\_\_  
 REFER TO CH00-0250-008  
 FINISH \_\_\_\_\_  
 REFER TO CH00-0250-008  
 ANGLE \_\_\_\_\_  
 ORDER NUMBER (TABLE 1) \_\_\_\_\_  
 ENTRY SIZE (TABLE 2) \_\_\_\_\_  
 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:

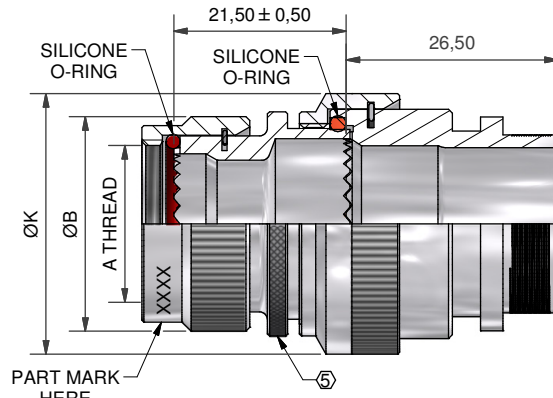
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
- (2) FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
- (3) SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, 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-TXR76AB00-1206). RING SHALL BEAR NO MARKING.
- (5) FOR LARGER ENTRY SIZES, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED.
- (6) BACKSHELL MATES WITH BS 9522. N0001 PATT 603, BSS 9522, F0017 PATT 105

|  |                           |             |                 |  |  |                               |  |                                    |  |                                     |
|--|---------------------------|-------------|-----------------|--|--|-------------------------------|--|------------------------------------|--|-------------------------------------|
| <b>DRAWN</b>                                       | K.WINCZURA                | DATE        | 05/12/2014      | <br>3RD ANGLE PROJECTION<br>NOT TO SCALE<br><br>UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br><b>GENERAL TOL</b><br>LINEAR +/-0.25MM<br>ANGULAR +/- 1° | <b>TITLE:</b>  | <h1>TINEL LOCK BACKSHELL</h1> |  |                                    | <br><b>Polamco</b><br> |                                     |
| <b>CHECKED</b>                                     |                           | DATE        | 05/12/2014      |  | <b>ASSY USED ON:</b>   |                               |  |                                    |  | <h2>BS9522 PATT 105 / PATT 603</h2> |
| <b>APPROVED</b>                                    | K.SHEPPARD                | DATE        | 15/12/2014      |  |  |                               |  |                                    |  |                                     |
| <b>APPROVED</b>                                    | H.SMITH                   | DATE        | 01/10/2015      |  |  |                               |  |                                    |  |                                     |
| <b>REVISIONS</b>                                   |                           |             |                 |  |  |                               |  |                                    |  |                                     |
| <b>LTR</b>   | <b>DESCRIPTION</b>        | <b>DATE</b> | <b>APPROVED</b> |  |  |                               |  |                                    |  |                                     |
| <b>E</b>   | REVISED PER ECO-15-002399 | 18/02/2015  |                 |  |  |                               |  |                                    |  |                                     |
| <b>F</b>   | REVISED PER ECO-15-013980 | 01/10/2015  | 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. |                               |  | <b>DRAWING NO:</b><br><b>TXR76</b> | <b>DRAWING REV:</b><br><b>F</b>  | <b>SHT</b><br><b>1</b>              |

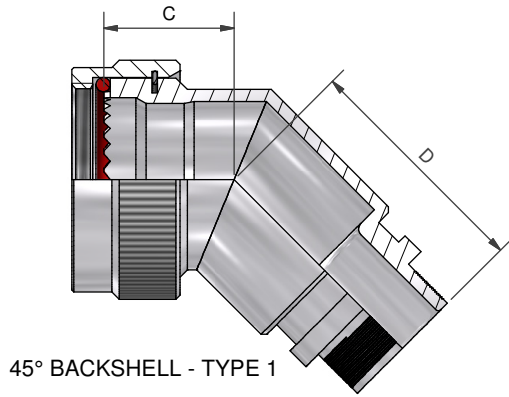
IF MAX ENTRY IS EXCEEDED BACKSHELL WILL BE SUPPLIED AS TYPE 2



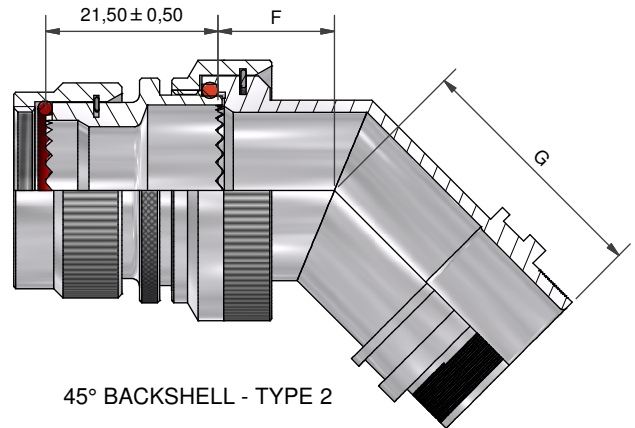
STRAIGHT BACKSHELL - TYPE 1



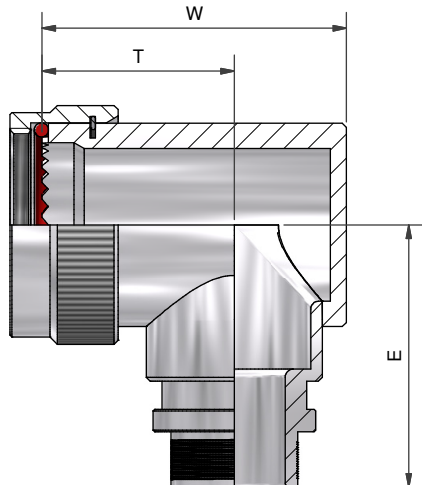
STRAIGHT BACKSHELL - TYPE 2



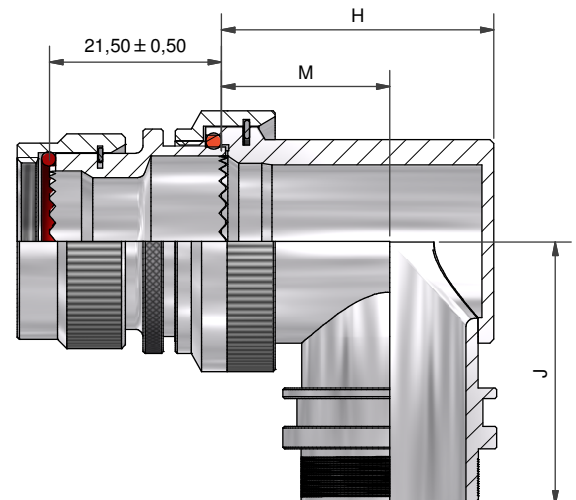
45° BACKSHELL - TYPE 1



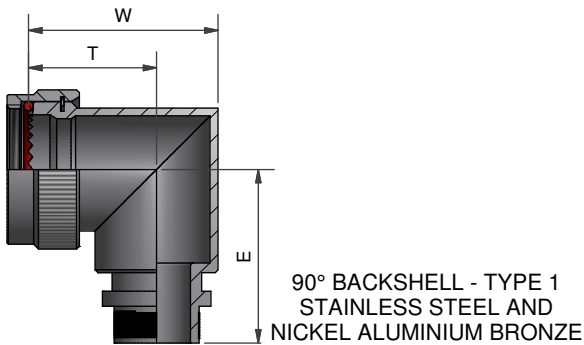
45° BACKSHELL - TYPE 2



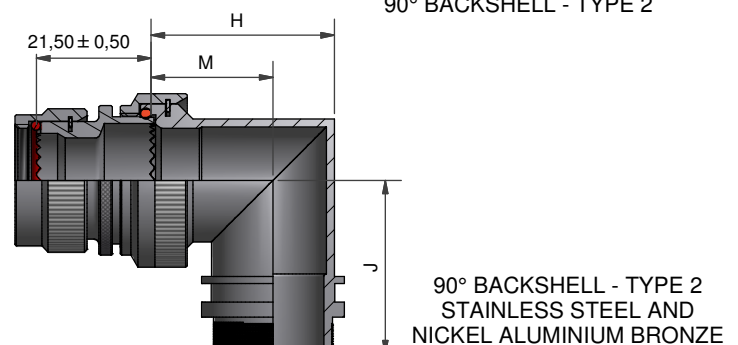
90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



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



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

|                 |            |             |            |
|-----------------|------------|-------------|------------|
| <b>DRAWN</b>    | K.WINCZURA | <b>DATE</b> | 05/12/2014 |
| <b>CHECKED</b>  |            | <b>DATE</b> | 05/12/2014 |
| <b>APPROVED</b> | K.SHEPPARD | <b>DATE</b> | 15/12/2014 |
| <b>APPROVED</b> | H.SMITH    | <b>DATE</b> | 01/10/2015 |

3RD ANGLE PROJECTION  
NOT TO SCALE

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

| REVISIONS |                           |            |          |
|-----------|---------------------------|------------|----------|
| LTR       | DESCRIPTION               | DATE       | APPROVED |
| E         | REVISED PER ECO-15-002399 | 18/02/2015 |          |
| F         | REVISED PER ECO-15-013980 | 01/10/2015 | H.SMITH  |

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

**TITLE:**  
**TINEL LOCK BACKSHELL**

**ASSY USED ON:**  
**BS9522 PATT 105 / PATT 603**



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><br><b>TXR76</b> | <b>DRAWING REV:</b><br><b>F</b> | <b>SHT</b><br><b>2</b> |
|------------------------------------|---------------------------------|------------------------|

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

TABLE 1

| ORDER NUMBER | SHELL SIZE (6) | A THREAD      | ØB MAX | MAX ENTRY | C ±0,5 | D ±0,5 | W ±0,5 | T ±0,5 | E ±0,5 | W ±0,5 | T ±0,5 | E ±0,5 |
|--------------|----------------|---------------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| 08           | 8              | 7/16-28UNEF   | 17,3   | 04        | 13,90  | 26,8   | 25,0   | 17,5   | 26,20  | 22,4   | 17,5   | 26,4   |
| 10           | 10             | 9/16-24UNEF   | 20,3   | 06        | 14,40  | 27,5   | 28,0   | 18,6   | 27,95  | 24,8   | 18,6   | 28,2   |
| 12           | 12             | 11/16-24UNEF  | 23,8   | 08        | 15,20  | 28,0   | 31,5   | 20,5   | 29,45  | 29,5   | 20,5   | 29,7   |
| 14           | 14             | 13/16-20UNEF  | 26,8   | 10        | 16,04  | 29,0   | 35,0   | 22,5   | 31,00  | 32,6   | 22,5   | 31,2   |
| 16           | 16             | 15/16-20UNEF  | 29,8   | 12        | 16,29  | 29,7   | 38,0   | 24,0   | 32,70  | 35,4   | 24,0   | 32,9   |
| 18           | 18             | 1 1/16-18UNEF | 33,3   | 14        | 17,34  | 30,5   | 41,5   | 26,0   | 34,25  | 39,2   | 26,0   | 34,5   |
| 20           | 20             | 1 3/16-18UNEF | 36,3   | 16        | 17,68  | 30,9   | 45,0   | 28,0   | 35,80  | 42,6   | 28,0   | 36,1   |
| 22           | 22             | 1 5/16-18UNEF | 39,8   | 18        | 18,02  | 31,1   | 48,0   | 29,5   | 37,40  | 45,8   | 29,5   | 37,6   |
| 24           | 24             | 1 7/16-18UNEF | 42,8   | 18        | 19,17  | 32,1   | 51,0   | 31,0   | 38,90  | 48,3   | 31,0   | 39,1   |

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

TABLE 2

| ENTRY SIZE | ØZ MIN | ØS            | ØY ± 0,3 | ØK MAX | F ±0,5 | G ±0,5 | H ±0,5 | M ±0,5 | J ±0,5 | 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     |
| 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   |

|                  |                           |             |                 |  |
|------------------|---------------------------|-------------|-----------------|--|
| <b>DRAWN</b>     | K.WINCZURA                | DATE        | 05/12/2014      | <br>3RD ANGLE PROJECTION NOT TO SCALE |
| <b>CHECKED</b>   |                           | DATE        | 05/12/2014      |  |
| <b>APPROVED</b>  | K.SHEPPARD                | DATE        | 15/12/2014      |  |
| <b>APPROVED</b>  | H.SMITH                   | DATE        | 01/10/2015      |  |
| <b>REVISIONS</b> |                           |             |                 |  |
| <b>LTR</b>       | <b>DESCRIPTION</b>        | <b>DATE</b> | <b>APPROVED</b> |  |
| <b>E</b>         | REVISED PER ECO-15-002399 | 18/02/2015  |                 |  |
| <b>F</b>         | REVISED PER ECO-15-013980 | 01/10/2015  | H.SMITH         |  |

UNLESS OTHERWISE SPECIFIED  
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**GENERAL TOL**  
LINEAR +/-0,25MM  
ANGULAR +/- 1°

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**ASSY USED ON:**

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|                    |                     |            |
|--------------------|---------------------|------------|
| <b>DRAWING NO:</b> | <b>DRAWING REV:</b> | <b>SHT</b> |
| <b>TXR76</b>       | <b>F</b>            | <b>3</b>   |