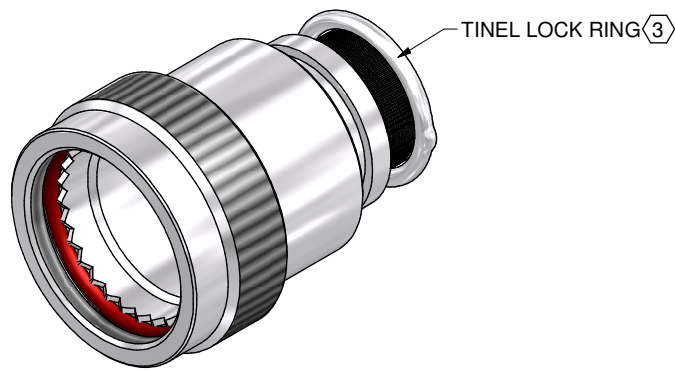




## CODE 76 - TINEL-LOCK BACKSHELL

**TXR76AB00-1608AI**

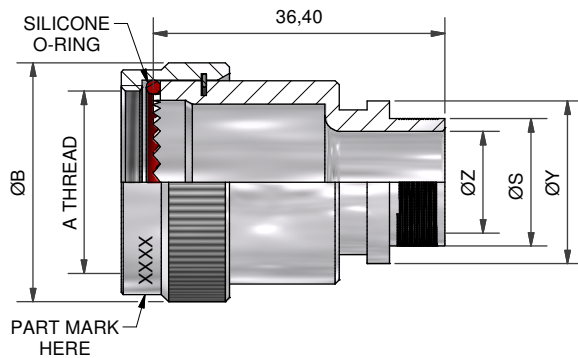
SERIES \_\_\_\_\_  
 TXR: RING INCLUDED  
 (SEE RING OPTION)  
 TX: RING NOT INCLUDED  
 CONNECTOR INTERFACE \_\_\_\_\_  
 MATERIAL \_\_\_\_\_  
 REFER TO CH00-0250-008  
 FINISH \_\_\_\_\_  
 REFER TO CH00-0250-008  
 ANGLE \_\_\_\_\_  
 ORDER NUMBER (TABLE 1) \_\_\_\_\_  
 ENTRY SIZE (TABLE 2) \_\_\_\_\_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

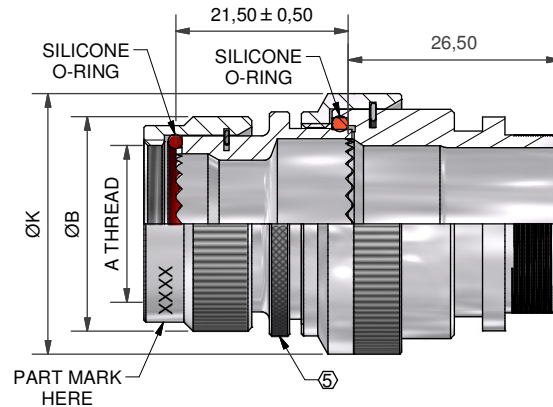
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
- (2) FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
- (3) SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, 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

|                                                     |                           |      |            |                                                                                                                                              |                                                                                                                                                                                                                          |  |                                                                                                  |                                                                                       |          |
|-----------------------------------------------------|---------------------------|------|------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|
| DRAWN                                               | K.WINCZURA                | DATE | 05/12/2014 |  <div>3RD ANGLE<br/>PROJECTION<br/>NOT TO<br/>SCALE</div> | TITLE:<br><br>TINEL LOCK BACKSHELL                                                                                                                                                                                       |  | <br>Polamco |                                                                                       |          |
| CHECKED                                             |                           | DATE | 05/12/2014 |                                                                                                                                              |                                                                                                                                                                                                                          |  |                                                                                                  | ASSY USED ON:<br><br>BS9522 PATT 105 / PATT 603                                       |          |
| APPROVED                                            | K.SHEPPARD                | DATE | 15/12/2014 |                                                                                                                                              | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br><b>GENERAL TOL</b><br>LINEAR +/-0.25MM<br>ANGULAR +/- 1°                                                                                                  |  |                                                                                                  |                                                                                       |          |
| APPROVED                                            | H.SMITH                   | DATE | 01/10/2015 |                                                                                                                                              |                                                                                                                                                                                                                          |  |                                                                                                  |                                                                                       |          |
| 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<br>POLAMCO/TE CAGE CODE: U15792 |                           |      |            |                                                                                                                                              | 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>TXB76                                                                             | DRAWING REV:<br>F                                                                     | SHT<br>1 |

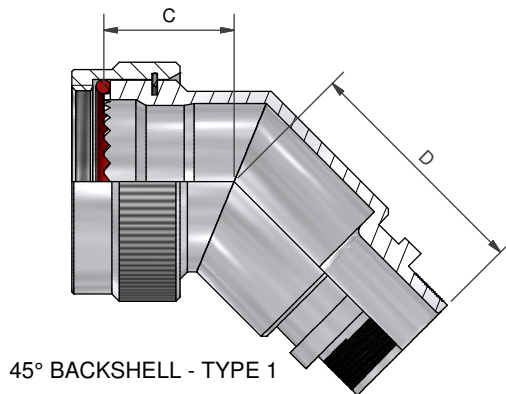
IF MAX ENTRY IS EXCEEDED BACKSHELL  
WILL BE SUPPLIED AS TYPE 2



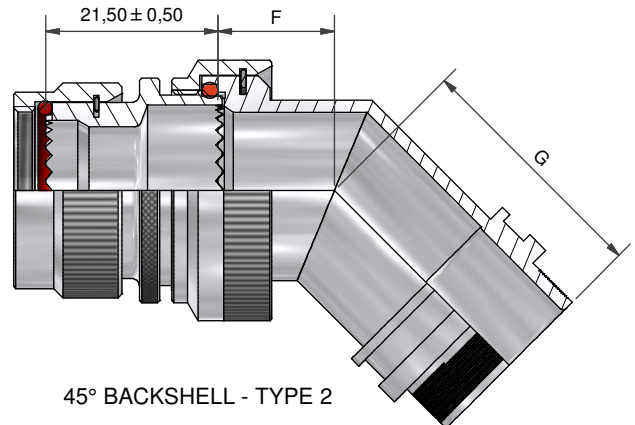
STRAIGHT BACKSHELL - TYPE 1



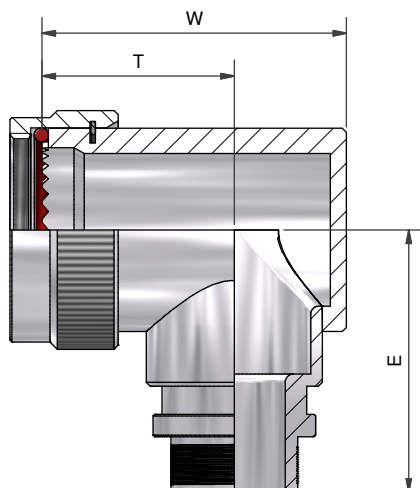
STRAIGHT BACKSHELL - TYPE 2



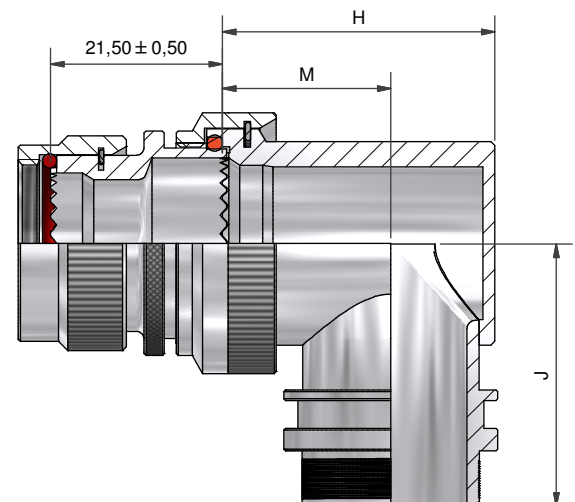
45° BACKSHELL - TYPE 1



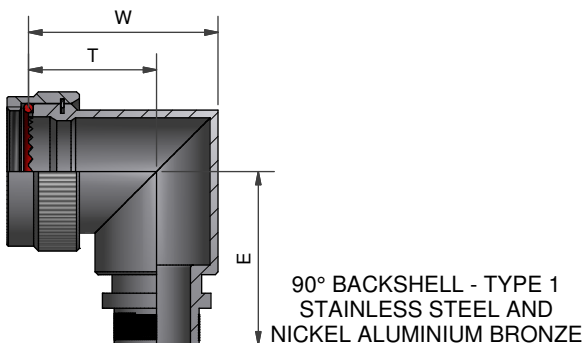
45° BACKSHELL - TYPE 2



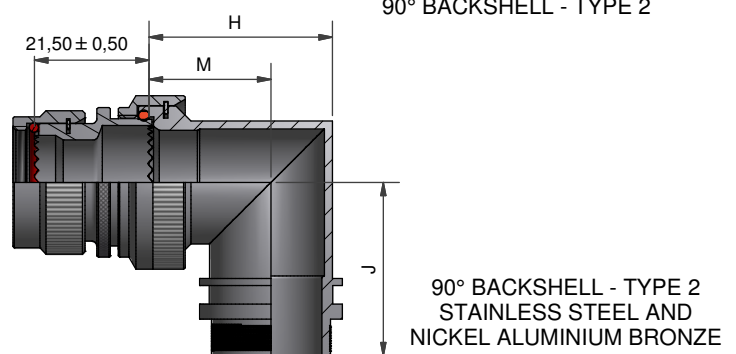
90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2



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



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

|                                                    |                           |            |            |
|----------------------------------------------------|---------------------------|------------|------------|
| DRAWN                                              | K.WINCZURA                | DATE       | 05/12/2014 |
| CHECKED                                            |                           | DATE       | 05/12/2014 |
| APPROVED                                           | K.SHEPPARD                | DATE       | 15/12/2014 |
| APPROVED                                           | H.SMITH                   | DATE       | 01/10/2015 |
| 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<br>POLAMCO/TE CAGE CODE: U5792 |                           |            |            |



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:

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.

DRAWING NO:  
**TXR76**

DRAWING REV:  
**F**

SHT  
**2**



TABLE 1

| ORDER<br>NUMBER | SHELL SIZE<br>(6) | 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 | THESE DIMENSIONS APPLY IF<br>BACKSHELL IS STAINLESS STEEL<br>OR NICKEL ALUMINIUM BRONZE |           |           |
|-----------------|-------------------|---------------|-----------|--------------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
|                 |                   |               |           |              |           |           |           |           |           | W<br>±0,5                                                                               | T<br>±0,5 | E<br>±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      |

TABLE 2

| 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 | THESE DIMENSIONS APPLY IF<br>BACKSHELL IS STAINLESS STEEL<br>OR NICKEL ALUMINIUM BRONZE |           |           |
|---------------|-----------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
|               |           |               |             |           |           |           |           |           |           | 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      |

|                                                    |                           |             |                 |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                           |                          |                 |
|----------------------------------------------------|---------------------------|-------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------|
| <b>DRAWN</b>                                       | K.WINCZURA                | <b>DATE</b> | 05/12/2014      | <br>3RD ANGLE PROJECTION 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><br><br>TINEL LOCK BACKSHELL                                                                                                                                                                          |  |  |  | <br>Polamco<br> |                          |                 |
| <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      |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                    |  |  |  |                                                                                                                                                                                           |                          |                 |
| <b>REVISIONS</b>                                   |                           |             |                 |                                                                                                                                                                                                                                                         | <b>ASSY USED ON:</b><br><br>BS9522 PATT 105 / PATT 603                                                                                                                                                             |  |  |  |                                                                                                                                                                                           |                          |                 |
| <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>TXR76                                                                                                                                                               | <b>DRAWING REV:</b><br>F | <b>SHT</b><br>3 |

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