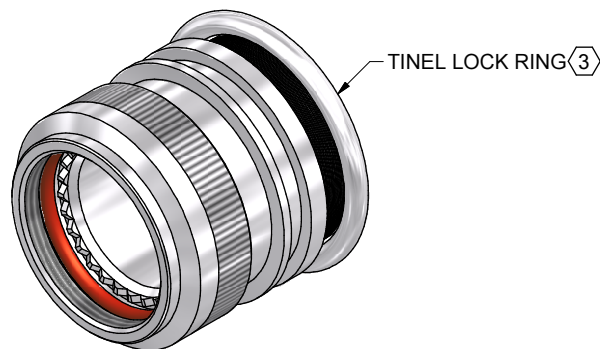




## CODE 40 - TINEL-LOCK BACKSHELL

**STXR40AB00-1616AI-S**

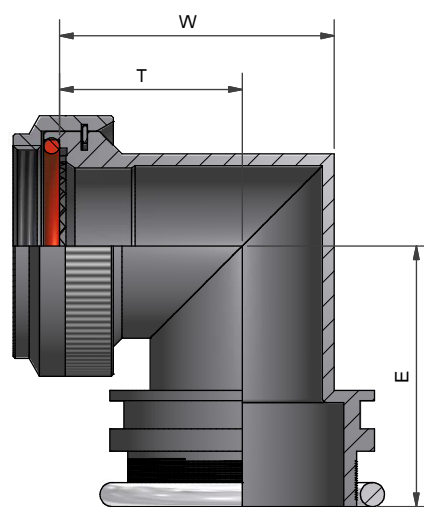
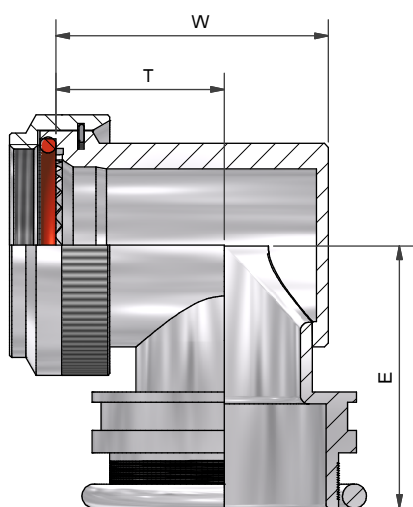
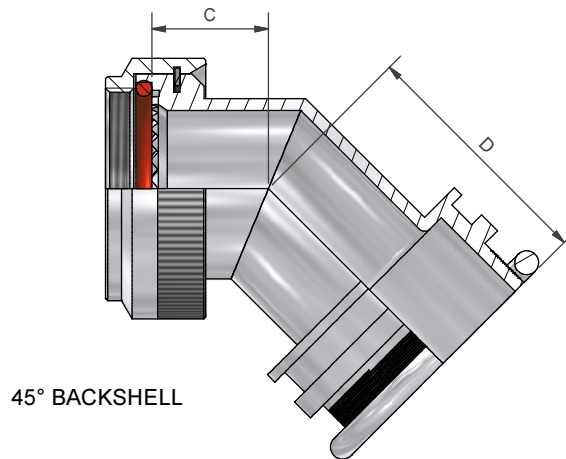
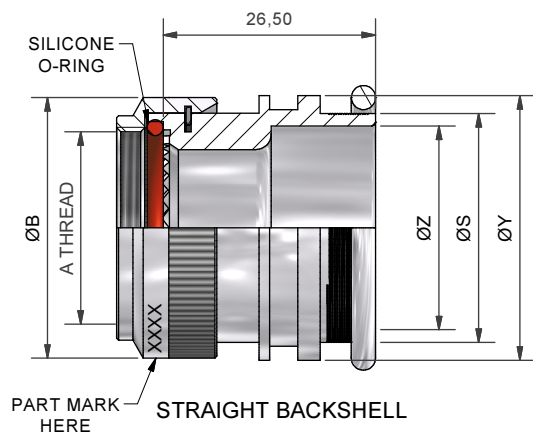
SERIES \_\_\_\_\_  
STXR: RING INCLUDED  
(SEE RING OPTION)  
STX: RING NOT INCLUDED  
CONNECTOR INTERFACE \_\_\_\_\_  
MATERIAL \_\_\_\_\_  
REFER TO CH00-0250-008  
FINISH \_\_\_\_\_  
REFER TO CH00-0250-008  
ANGLE \_\_\_\_\_  
ORDER NUMBER (TABLE 1) \_\_\_\_\_  
ENTRY SIZE (TABLE 2) \_\_\_\_\_  
RING OPTION \_\_\_\_\_  
AI - TO SUIT SINGLE BRAID  
BI - TO SUIT DOUBLE BRAID  
FOR STX, LEAVE BLANK  
MODIFICATION CODE \_\_\_\_\_  
REFER TO CH00-0250-008 (2)

### NOTES:

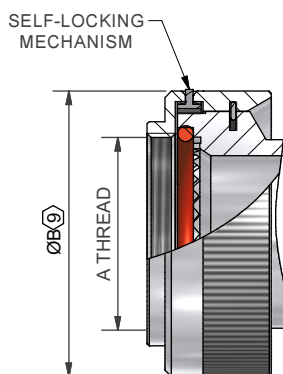
1. THIS PRODUCT IS DESIGNED TO TERMINATE A BRAIDED CABLE SHIELD AND A HEAT SHRINKABLE LIPPED BOOT TO A CONNECTOR.
- (2) FOR ADDITIONAL DIMENSIONS, ORDERING INFORMATION AND MODIFICATIONS, SEE CH00-0250-008.
- (3) SEE DRAWING TR FOR DETAIL ON TINEL-LOCK RING, RINGS ARE DESIGNED TO BE HEATED ELECTRICALLY, 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-STXR40AB00-2018). RING SHALL BEAR NO MARKING.
- (5) TINEL-LOCK RING ENTRY SIZE AND BRAID DESIGNATOR IS TO BE SPECIFIED IN PART NUMBER WHEN ORDERING.
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) PREFIX 'S' DENOTES THAT THE ADAPTER HAS A LARGER ENTRY THAN THE STANDARD TXR BUT IS STILL OF THE TYPE 1 DESIGN.
- (8) SEE SHEET 3 FOR TABLE OF ENTRY SIZE APPLICABLE TO THE STXR RANGE. FOR ENTRY SIZE LARGER THAN MAX INDICATED, CONTACT TE. MAX ENTRY ONLY APPLIES TO ANGLES 45 & 90.
- (9) THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

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|                                                    |                           |            |                                                                                                                  |                                                                                     |                                                                                                                                                                                                                    |                                                                                                                         |
|----------------------------------------------------|---------------------------|------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| DRAWN                                              | K.WINCZURA                | DATE       | 20/01/2015                                                                                                       |  | TITLE:<br><br><b>TINEL-LOCK BACKSHELL</b>                                                                                                                                                                          | <br><b>Polamco</b><br>connectivity |
| CHECKED                                            |                           | 20/01/2015 |                                                                                                                  |                                                                                     |                                                                                                                                                                                                                    |                                                                                                                         |
| APPROVED                                           | K.SHEPPARD                | 29/01/2015 | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0.25MM<br>ANGULAR +/- 1° |                                                                                     |                                                                                                                                                                                                                    |                                                                                                                         |
| APPROVED                                           | H.SMITH                   | 10/08/2015 |                                                                                                                  |                                                                                     |                                                                                                                                                                                                                    |                                                                                                                         |
| REVISIONS                                          |                           |            |                                                                                                                  |                                                                                     | ASSY USED ON:                                                                                                                                                                                                      |                                                                                                                         |
| LTR                                                | DESCRIPTION               | DATE       | APPROVED                                                                                                         |                                                                                     | <b>MIL-DTL-38999 SERIES III &amp; IV</b>                                                                                                                                                                           |                                                                                                                         |
| D                                                  | REVISED PER ECO-15-002339 | 18/02/2015 | H.SMITH                                                                                                          |                                                                                     |                                                                                                                                                                                                                    |                                                                                                                         |
| E                                                  | REVISED PER ECO-15-010970 | 10/08/2015 | 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><b>STXR40</b>                                                                                            |
|                                                    |                           |            |                                                                                                                  |                                                                                     | DRAWING REV:<br><b>E</b>                                                                                                                                                                                           | SHT<br><b>1</b>                                                                                                         |



## MODIFICATION S



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|                                                    |                           |            |            |
|----------------------------------------------------|---------------------------|------------|------------|
| DRAWN                                              | K.WINCZURA                | DATE       | 20/01/2015 |
| CHECKED                                            |                           | DATE       | 20/01/2015 |
| APPROVED                                           | K.SHEPPARD                | DATE       | 29/01/2015 |
| APPROVED                                           | H.SMITH                   | DATE       | 10/08/2015 |
| REVISIONS                                          |                           |            |            |
| LTR                                                | DESCRIPTION               | DATE       | APPROVED   |
| D                                                  | REVISED PER ECO-15-002339 | 18/02/2015 | H.SMITH    |
| E                                                  | REVISED PER ECO-15-010970 | 10/08/2015 | 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  $\pm 0.25\text{MM}$   
ANGULAR  $\pm 1^\circ$

TITLE:

TINEL-LOCK BACKSHELL

ASSY USED ON:

MIL-DTL-38999 SERIES III & IV

TE CONNECTIVITY - POLAMCO LTD RESERVES THE RIGHT TO AMEND THIS DRAWING  
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DRAWING NO:  
**STXR40**

DRAWING REV:  
**E**

SHT  
**2**



| TABLE 1         |                         |           |           |              |            |        |           |           |           |           |           | THESE DIMENSIONS APPLY IF<br>BACKSHELL IS STAINLESS STEEL<br>OR NICKEL ALUMINIUM BRONZE |           |           |
|-----------------|-------------------------|-----------|-----------|--------------|------------|--------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
| ORDER<br>NUMBER | SHELL SIZE<br>COM / MIL | A THREAD  | ØB<br>MAX | ØB(9)<br>MAX | ENTRY SIZE |        | 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 |
|                 |                         |           |           |              | MIN        | MAX(8) |           |           |           |           |           |                                                                                         |           |           |
| 08              | 9 / A                   | M12 × 1.0 | 18,0      | 21,5         | 05         | 06     | 12,0      | 26,8      | 21,0      | 14,0      | 26,20     | 21,2                                                                                    | 16,3      | 26,4      |
| 10              | 11 / B                  | M15 × 1.0 | 21,0      | 24,6         | 08         | 10     | 12,5      | 27,5      | 24,0      | 15,5      | 27,95     | 24,3                                                                                    | 17,2      | 28,2      |
| 12              | 13 / C                  | M18 × 1.0 | 24,5      | 28,3         | 10         | 12     | 13,1      | 28,0      | 27,0      | 17,0      | 29,45     | 28,3                                                                                    | 19,4      | 29,7      |
| 14              | 15 / D                  | M22 × 1.0 | 29,0      | 32,4         | 12         | 16     | 13,5      | 29,0      | 31,0      | 19,5      | 31,00     | 31,1                                                                                    | 21,0      | 31,2      |
| 16              | 17 / E                  | M25 × 1.0 | 32,5      | 35,6         | 14         | 18     | 14,5      | 29,7      | 34,0      | 21,0      | 32,70     | 34,2                                                                                    | 22,8      | 32,9      |
| 18              | 19 / F                  | M28 × 1.0 | 35,5      | 38,5         | 16         | 20     | 15,5      | 30,5      | 35,0      | 20,0      | 34,25     | 38,5                                                                                    | 25,3      | 34,5      |
| 20              | 21 / G                  | M31 × 1.0 | 37,0      | 41,7         | 18         | 22     | 16,1      | 30,9      | 38,0      | 21,5      | 35,80     | 40,7                                                                                    | 26,1      | 36,1      |
| 22              | 23 / H                  | M34 × 1.0 | 40,0      | 43,9         | 20         | 24     | 16,5      | 31,1      | 42,0      | 24,0      | 37,40     | 43,7                                                                                    | 27,6      | 37,6      |
| 24              | 25 / J                  | M37 × 1.0 | 43,5      | 47,0         | 22         | 24     | 17,0      | 32,1      | 45,0      | 25,5      | 38,90     | 46,4                                                                                    | 29,1      | 39,1      |

| TABLE 2    |        |               |        |
|------------|--------|---------------|--------|
| ENTRY SIZE | ØZ MIN | ØS            | ØY ±03 |
| 05         | 7,92   | 11,06 +/-0,04 | 15,50  |
| 06         | 9,53   | 12,66 +/-0,04 | 17,10  |
| 07         | 11,10  | 14,21 +/-0,07 | 18,70  |
| 08         | 12,70  | 15,81 +/-0,07 | 20,30  |
| 10         | 15,88  | 18,96 +/-0,08 | 23,50  |
| 12         | 19,05  | 22,14 +/-0,08 | 26,70  |
| 14         | 22,23  | 25,30 +/-0,08 | 29,80  |
| 16         | 25,40  | 28,48 +/-0,08 | 33,00  |
| 18         | 28,58  | 31,65 +/-0,08 | 36,20  |
| 20         | 31,75  | 34,83 +/-0,08 | 39,40  |
| 22         | 34,93  | 37,98 +/-0,08 | 42,50  |
| 24         | 38,10  | 41,15 +/-0,08 | 45,70  |

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|                                                    |                           |            |            |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRAWN                                              | K.WINCZURA                | DATE       | 20/01/2015 |  3RD ANGLE PROJECTION NOT TO SCALE<br><br>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0,25MM<br>ANGULAR +/- 1° | TITLE:<br><br><div>TINEL-LOCK BACKSHELL</div>                                                                                                                                                                      |                              |  |                     | <br>Polamco<br> |
| CHECKED                                            |                           | 20/01/2015 |            |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |
| APPROVED                                           | K.SHEPPARD                | 29/01/2015 |            |                                                                                                                                                                                                                                            | ASSY USED ON:<br><br><div>MIL-DTL-38999 SERIES III &amp; IV</div>                                                                                                                                                  |                              |  |                     |                                                                                                                                                                                           |
| APPROVED                                           | H.SMITH                   | 10/08/2015 |            |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |
| REVISIONS                                          |                           |            |            |                                                                                                                                                                                                                                            | 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. |                              |  |                     |                                                                                                                                                                                           |
| LTR                                                | DESCRIPTION               | DATE       | APPROVED   |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |
| D                                                  | REVISED PER ECO-15-002339 | 18/02/2015 | H.SMITH    |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |
| E                                                  | REVISED PER ECO-15-010970 | 10/08/2015 | H.SMITH    | DRAWING NO:<br><div>STXR40</div>                                                                                                                                                                                                           |                                                                                                                                                                                                                    | DRAWING REV:<br><div>E</div> |  | SHT<br><div>3</div> |                                                                                                                                                                                           |
| TE CAGE CODE: 06090<br>POLAMCO/TE CAGE CODE: U5792 |                           |            |            |                                                                                                                                                                                                                                            |                                                                                                                                                                                                                    |                              |  |                     |                                                                                                                                                                                           |

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