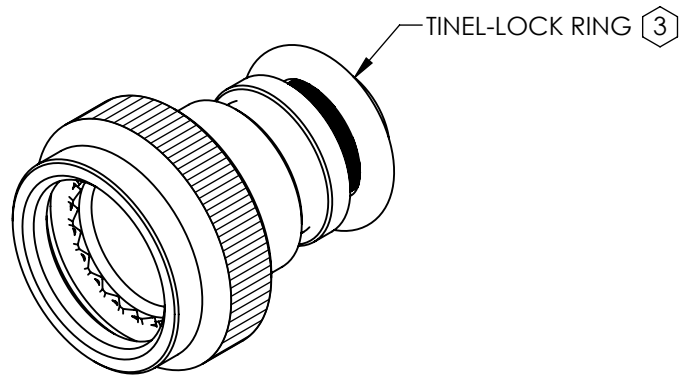


## REVISIONS

| REV | DESCRIPTION | DATE       | DWN | APVD |
|-----|-------------|------------|-----|------|
| AA  | ECR 7492    | 22/01/2020 | N.H | R.S  |
| AB  | ECR 7952    | 14/09/2020 | KKW | R.S  |



TXR41AB00-1608AI-

SERIES \_\_\_\_\_  
 TXR - RING INCLUDED  
 (SEE RING OPTION)  
 TX - RING NOT INCLUDED  
 CONNECTOR INTERFACE \_\_\_\_\_  
 MATERIAL \_\_\_\_\_  
 FINISH \_\_\_\_\_  
 ANGLE \_\_\_\_\_  
 SHELL SIZE (TABLE 1) \_\_\_\_\_  
 ODD NUMBERS - MIL-DTL-38999 SERIES I  
 EVEN NUMBERS - MIL-DTL-38999 SERIES II  
 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

## 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-TXR41AB00-1206). RING SHALL BEAR NO MARKING.

5. FOR LARGER ENTRY SIZES, A 2 PIECE BACKSHELL ASSEMBLY (TYPE 2) IS SUPPLIED.

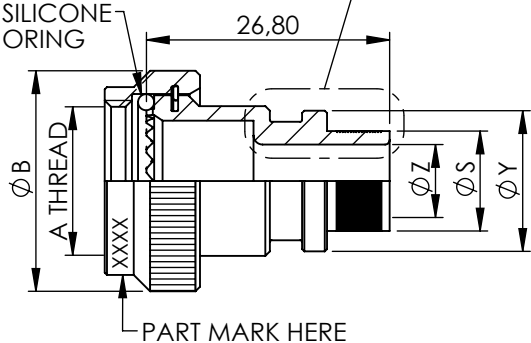
6. BACKSHELL MATES TO MIL-DTL-38999 SERIES I AND II - CLASS E AND T, MS27466, MS27467, MS27468, MS27472, MS27473, MS27474, MS27479, MS27480, MS27481, MS27484, MS27497, MS27652, MS27653, MS27656 CONNECTORS.

|                                                                                                                                                                         |                                                 |                                                                                                      |  |                           |                        |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------|--|---------------------------|------------------------|-----------|
| DIMENSIONS:<br>MILLIMETERS                                                                                                                                              | DWN: N.HAWKINS<br>22/01/2020                    | MATERIAL: SEE P/N BREAKDOWN                                                                          |  | FINISH: SEE P/N BREAKDOWN |                        |           |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>GENERAL TOL<br>LINEAR $\pm 0.25$ MM<br>ANGULAR $\pm 1^\circ$                                                           | CHK: R.STYLES<br>24/01/2020                     |  TE Connectivity |  |                           |                        |           |
|                                                                                                                                                                         | APVD: M.PAUL<br>24/01/2020                      | PART NUMBER: TXR41 SERIES                                                                            |  |                           |                        |           |
|                                                                                                                                                                         | PRODUCT SPEC:<br>MIL-DTL-38999<br>SERIES I & II | NAME: TINEL-LOCK BACKSHELL                                                                           |  |                           |                        |           |
|                                                                                                                                                                         | APPLICATION SPEC:<br>-                          | SIZE<br>A4                                                                                           |  | CAGE CODE<br>U5792        | DRAWING NO<br>C-P31619 |           |
|                                                                                                                                                                         | WEIGHT:                                         |                                                                                                      |  | RESTRICTED TO             |                        |           |
|   | CUSTOMER DRAWING                                |                                                                                                      |  | SCALE<br>1.5:1            | SHEET<br>1 OF 3        | REV<br>AB |

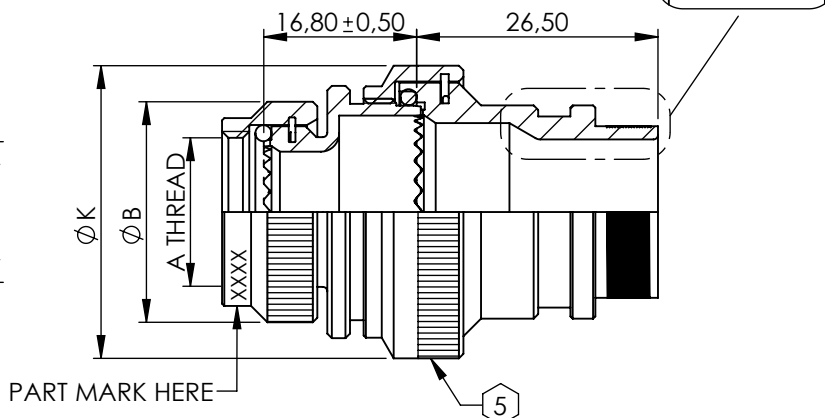
## REVISIONS

ALTERNATIVE PROFILE

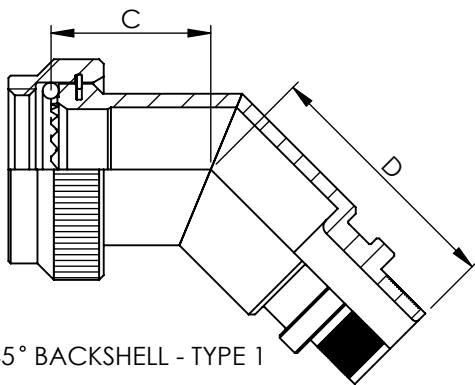
ALTERNATIVE PROFILE

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

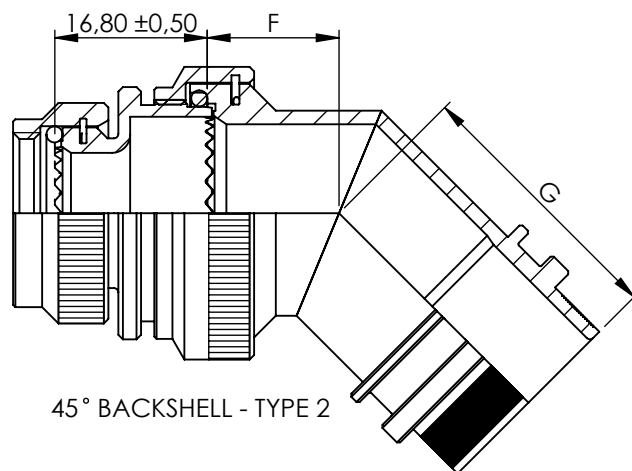
STRAIGHT BACKSHELL - TYPE 1



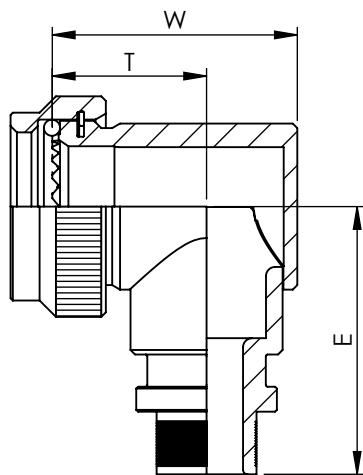
STRAIGHT BACKSHELL - TYPE 2



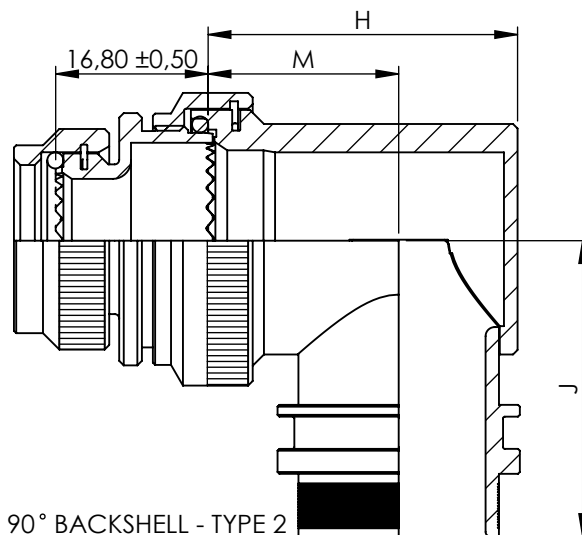
45° BACKSHELL - TYPE 1



45° BACKSHELL - TYPE 2



90° BACKSHELL - TYPE 1



90° BACKSHELL - TYPE 2

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DIMENSIONS:  
MILLIMETERS

DWN: N.HAWKINS

22/01/2020

MATERIAL: SEE P/N BREAKDOWN

FINISH: SEE P/N BREAKDOWN

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

CHK: R.STYLES

24/01/2020



TE Connectivity

APVD: M.PAUL

24/01/2020

PART NUMBER:

TXR41 SERIES

GENERAL TOL  
LINEAR  $\pm 0.04"$   
ANGULAR  $\pm 1^\circ$ PRODUCT SPEC:  
MIL-DTL-38999  
SERIES I & II

NAME:

TINEL-LOCK BACKSHELL

APPLICATION SPEC:

SIZE

CAGE CODE

DRAWING NO

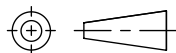
RESTRICTED TO

WEIGHT:

A4

06090

C-P31619



Customer Drawing

SCALE

1.2:1

SHEET

2

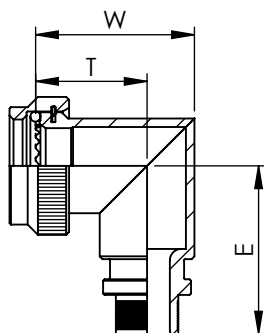
OF

3

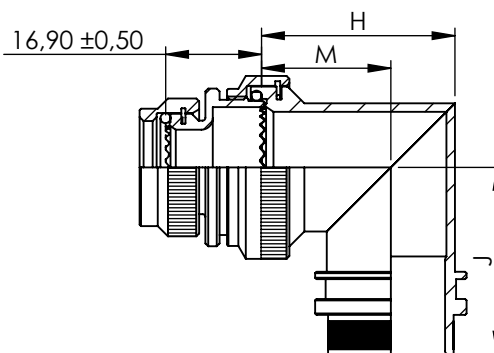
REV

AB

## REVISIONS



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



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

TABLE 1

| SHELL<br>SIZE<br>SERIES II | SHELL<br>SIZE<br>SERIES I | 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 OR<br>NICKEL ALUMINIUM BRONZE |           |           |
|----------------------------|---------------------------|----------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
|                            |                           |                |              |              |           |           |           |           |           | W<br>±0,5                                                                               | T<br>±0,5 | E<br>±0,5 |
| 08                         | 09                        | 7/16-28UNEF    | 18,3         | 04           | 16,4      | 26,8      | 21,0      | 14,0      | 26,20     | 21,3                                                                                    | 16,4      | 26,4      |
| 10                         |                           | 9/16-24UNEF    | 21,5         | 07           | 17,2      | 27,5      | 24,0      | 15,5      | 27,95     | 24,4                                                                                    | 17,3      | 28,2      |
| 12                         | 13                        | 11/16-24UNEF   | 24,5         | 08           | 17,6      | 28,0      | 27,0      | 17,0      | 29,45     | 28,4                                                                                    | 19,5      | 29,7      |
| 14                         |                           | 13/16-20UNEF   | 27,8         | 10           | 18,5      | 29,0      | 31,0      | 19,5      | 31,00     | 31,2                                                                                    | 21,0      | 31,2      |
| 16                         | 17                        | 15/16-20UNEF   | 30,8         | 12           | 19,2      | 29,7      | 34,0      | 21,0      | 32,70     | 34,3                                                                                    | 22,8      | 32,9      |
| 18                         |                           | 1 1/16-18UNEF  | 34,1         | 14           | 19,6      | 30,5      | 35,0      | 20,0      | 34,25     | 38,6                                                                                    | 25,3      | 34,5      |
| 20                         | 21                        | 1 3/16-18UNEF  | 37,3         | 16           | 20,4      | 30,9      | 38,0      | 21,5      | 35,80     | 40,8                                                                                    | 26,1      | 36,1      |
| 22                         |                           | 1 5/16-18UNEF  | 40,5<br>41,0 | 18           | 20,8      | 31,1      | 42,0      | 24,0      | 37,40     | 43,8                                                                                    | 27,6      | 37,6      |
| 24                         | 25                        | 1 7/16 -18UNEF | 43,7         | 20           | 21,7      | 32,1      | 45,0      | 25,5      | 38,90     | 46,5                                                                                    | 29,1      | 39,1      |
|                            |                           |                |              |              |           |           |           |           |           |                                                                                         |           |           |

TABLE 2

| ENTRY<br>SIZE | ØZ<br>MIN | ØS            | ØY<br>Ø0,3 | 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 OR<br>NICKEL ALUMINIUM BRONZE |           |           |
|---------------|-----------|---------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------------------------|-----------|-----------|
|               |           |               |            |           |           |           |           |           |           | H<br>±0,5                                                                               | M<br>±0,5 | J<br>±0,5 |
| 04            | 6,35      | 9,49 +/-0,04  | 14,0       | NA        | NA        | NA        | NA        | NA        | NA        | NA                                                                                      | NA        | NA        |
| 05            | 7,92      | 11,06 +/-0,04 | 15,5       | 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 | 17,1       | 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 | 18,7       | 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 | 20,3       | 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 | 23,5       | 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 | 26,7       | 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 | 29,8       | 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 | 33,0       | 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 | 36,2       | 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 | 39,4       | 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 | 42,5       | 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 | 45,7       | 52,1      | 21,9      | 38,1      | 58,0      | 33,0      | 46,00     | 53,5                                                                                    | 33,0      | 46,0      |

DIMENSIONS:  
MILLIMETERS

DWN: N.HAWKINS

22/01/2020

MATERIAL: SEE P/N BREAKDOWN

FINISH: SEE P/N BREAKDOWN

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

CHK: R.STYLES

24/01/2020

**TE** TE Connectivity

APVD: M.PAUL

24/01/2020

PART NUMBER:

TXR41 SERIES

GENERAL TOL  
LINEAR ±0.04"  
ANGULAR ±1°

PRODUCT SPEC:  
MIL-DTL-38999  
SERIES I & II

NAME:

TINEL-LOCK BACKSHELL

APPLICATION SPEC:

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT:

A4

06090

C-P31619

Customer Drawing

SCALE

1:2:1

SHEET

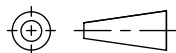
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OF

3

REV

AB



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