



## CODE 41 - TINEL-LOCK BACKSHELL

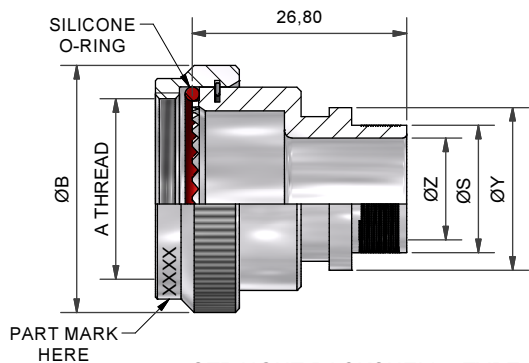
TXR41AB00-1608AI-S

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

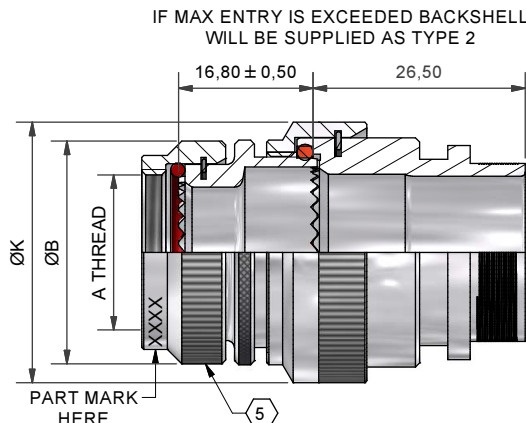
### NOTES:

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.
7. THESE DIMENSIONS APPLY IF A SELF-LOCKING COUPLING NUT IS USED.

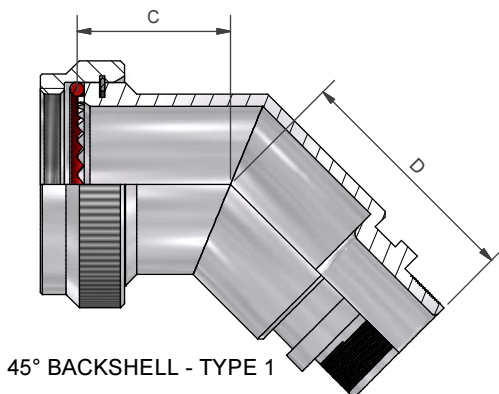
|                                                    |                           |      |            |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           |          |
|----------------------------------------------------|---------------------------|------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| DRAWN                                              | K.WINCZURA                | DATE | 04/12/2014 |  3RD ANGLE PROJECTION<br>NOT TO SCALE                                                                                                 | TITLE:                      |  | <br>Polamco<br> |          |
| CHECKED                                            |                           | DATE | 04/12/2014 |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           |          |
| APPROVED                                           | K.SHEPPARD                | DATE | 04/12/2014 |                                                                                                                                                                                                                          | ASSY USED ON:               |  |                                                                                                                                                                                           |          |
| APPROVED                                           | H.SMITH                   | DATE | 16/02/2015 |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           |          |
| REVISIONS                                          |                           |      |            | UNLESS OTHERWISE SPECIFIED<br>ALL DIMENSIONS IN MILLIMETRES<br>GENERAL TOL<br>LINEAR +/-0.25MM<br>ANGULAR +/- 1°                                                                                                         | MIL-DTL-38999 SERIES I & II |  |                                                                                                                                                                                           |          |
| LTR                                                | DESCRIPTION               |      | DATE       |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           | APPROVED |
| H                                                  | REVISED PER ECO-12-021161 |      | 04.12.12   |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           | G.WELLS  |
| J                                                  | REVISED PER ECO-15-002319 |      | 16.02.15   |                                                                                                                                                                                                                          |                             |  |                                                                                                                                                                                           | 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>TXR41                                                                                                                                                                                                     |                             |  |                                                                                                                                                                                           |          |
|                                                    |                           |      |            | DRAWING REV:<br>J                                                                                                                                                                                                        |                             |  |                                                                                                                                                                                           |          |
|                                                    |                           |      |            | SHT<br>1                                                                                                                                                                                                                 |                             |  |                                                                                                                                                                                           |          |



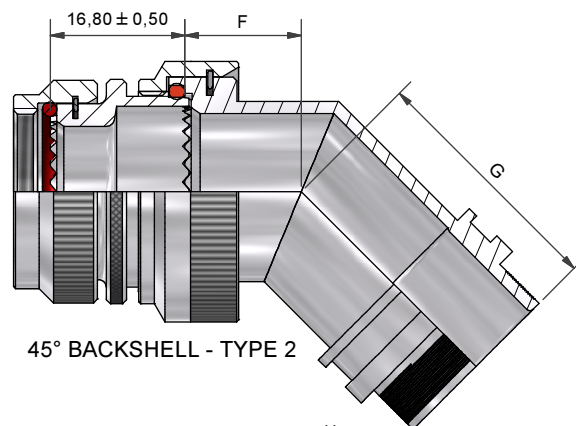
STRAIGHT BACKSHELL - TYPE 1



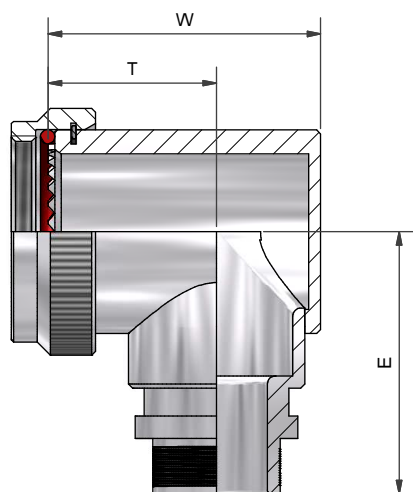
STRAIGHT BACKSHELL - TYPE 2



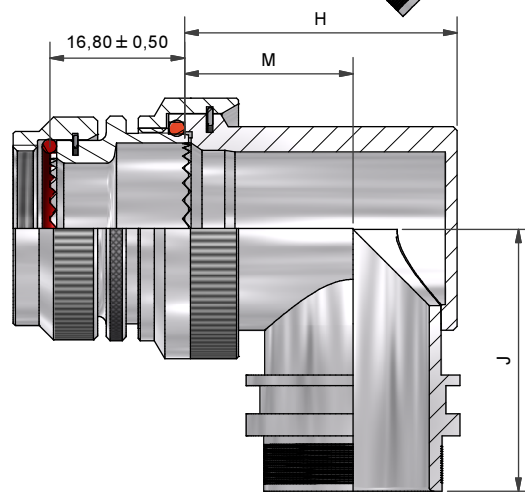
45° BACKSHELL - TYPE 1



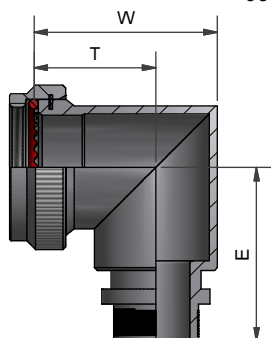
45° BACKSHELL - TYPE 2



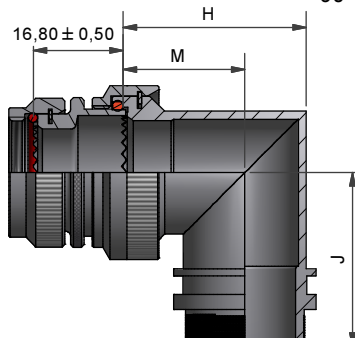
90° BACKSHELL - TYPE 1



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     | 04/12/2014 |
| CHECKED                                            |                           | DATE     | 04/12/2014 |
| APPROVED                                           | K.SHEPPARD                | DATE     | 04/12/2014 |
| APPROVED                                           | H.SMITH                   | DATE     | 16/02/2015 |
| REVISIONS                                          |                           |          |            |
| LTR                                                | DESCRIPTION               | DATE     | APPROVED   |
| H                                                  | REVISED PER ECO-12-021161 | 04.12.12 | G.WELLS    |
| J                                                  | REVISED PER ECO-15-002319 | 16.02.15 | 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 I & II

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:  
TXR41

DRAWING REV:  
J

SHT  
2



SELF-LOCKING MECHANISM

SELF-LOCKING MECHANISM

SELF-LOCKING MECHANISM

21,60 ± 0,50

ØB (7)

A THREAD

ØK (7)

ØB (7)

A THREAD

BACKSHELL - TYPE 1

BACKSHELL - TYPE 2

| ORDER NO. | SHELL SIZE SER I/ SER II | A THREAD      | ØB MAX | ØB MAX<br>(7) | MAX 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        | 9 / 8                    | 7/16-28UNEF   | 18,3   | 18,0          | 04        | 16,4      | 26,8      | 21,0      | 14,0      | 26,20     | 21,3      | 16,4      | 26,4      |
| 10        | 11 / 10                  | 9/16-24UNEF   | 21,5   | 21,0          | 07        | 17,2      | 27,5      | 24,0      | 15,5      | 27,95     | 24,4      | 17,3      | 28,2      |
| 12        | 13 / 12                  | 11/16-24UNEF  | 24,5   | 25,0          | 08        | 17,6      | 28,0      | 27,0      | 17,0      | 29,45     | 28,4      | 19,5      | 29,7      |
| 14        | 15 / 14                  | 13/16-20UNEF  | 27,8   | 28,0          | 10        | 18,5      | 29,0      | 31,0      | 19,5      | 31,00     | 31,2      | 21,0      | 31,2      |
| 16        | 17 / 16                  | 15/16-20UNEF  | 30,8   | 31,0          | 12        | 19,2      | 29,7      | 34,0      | 21,0      | 32,70     | 34,3      | 22,8      | 32,9      |
| 18        | 19 / 18                  | 1 1/16-18UNEF | 34,1   | 34,0          | 14        | 19,6      | 30,5      | 35,0      | 20,0      | 34,25     | 38,6      | 25,3      | 34,5      |
| 20        | 21 / 20                  | 1 3/16-18UNEF | 37,3   | 37,0          | 16        | 20,4      | 30,9      | 38,0      | 21,5      | 35,80     | 40,8      | 26,1      | 36,1      |
| 22        | 23 / 22                  | 1 5/16-18UNEF | 40,5   | 40,0          | 18        | 20,8      | 31,1      | 42,0      | 24,0      | 37,40     | 43,8      | 27,6      | 37,6      |
| 24        | 25 / 24                  | 1 7/16-18UNEF | 43,7   | 43,5          | 20        | 21,7      | 32,1      | 45,0      | 25,5      | 38,90     | 46,5      | 29,1      | 39,1      |

| ENTRY<br>SIZE | ØZ<br>MIN | ØS            | ØY<br>± 0,3 | ØK<br>MAX | ØK MAX<br>(7) | 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        | NA        |
| 05            | 7,92      | 11,06 +/-0,04 | 15,50       | 21,0      | 24,6          | 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      | 24,6          | 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      | 24,6          | 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      | 28,3          | 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      | 32,4          | 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      | 35,6          | 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      | 38,5          | 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      | 41,7          | 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      | 43,9          | 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      | 47,0          | 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      | 50,0          | 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      | 56,0          | 21,9      | 38,1      | 58,0      | 33,0      | 46,00     | 53,5      | 33,0      | 46,0      |

|       |            |                    |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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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><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b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