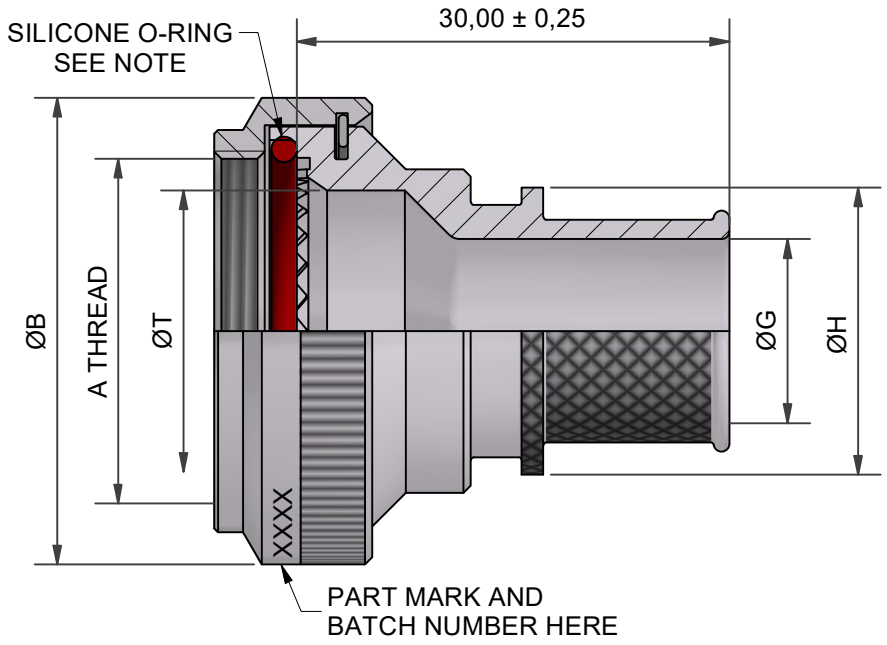
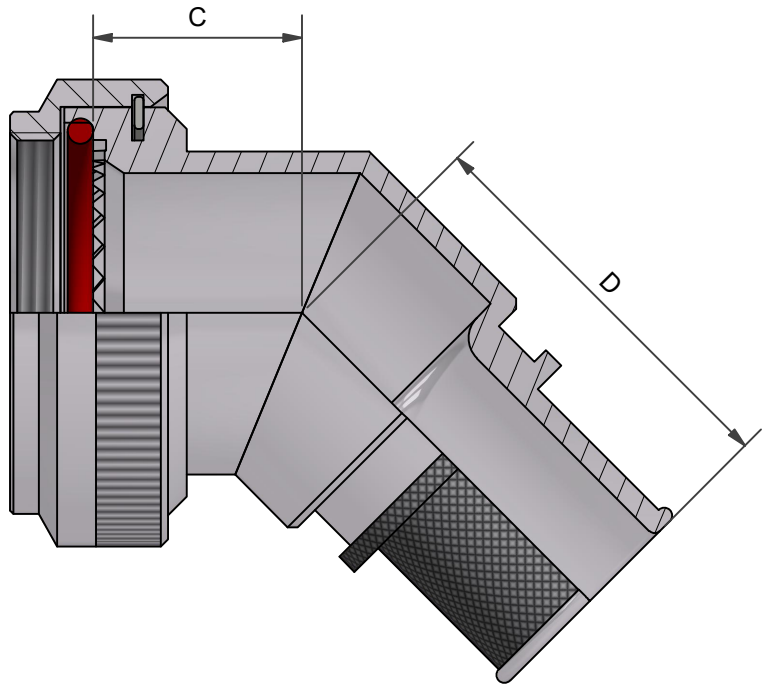
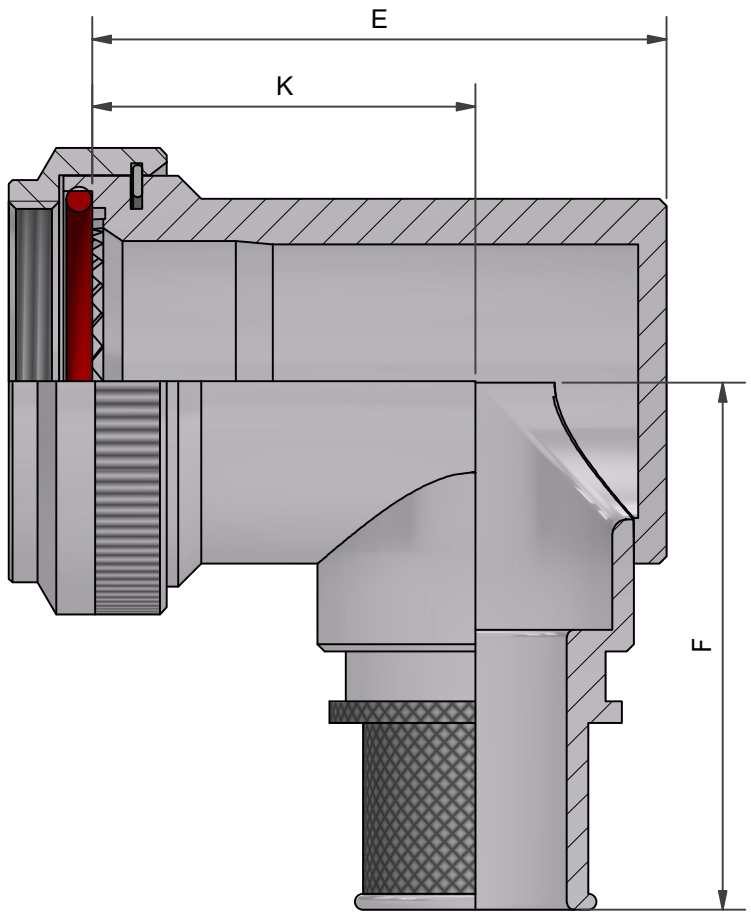
| ISS / REV | DESCRIPTION | CHANGED BY | DATE |
|---|---|---|---|
| 5 | DCR 6180 | C.WALLACE | 04/03/16 |
| 6 | DCR 6624 | K.K-W | 27/09/17 |
| AA | CRN 26424 | N.HAWKINS | 13/03/24 |



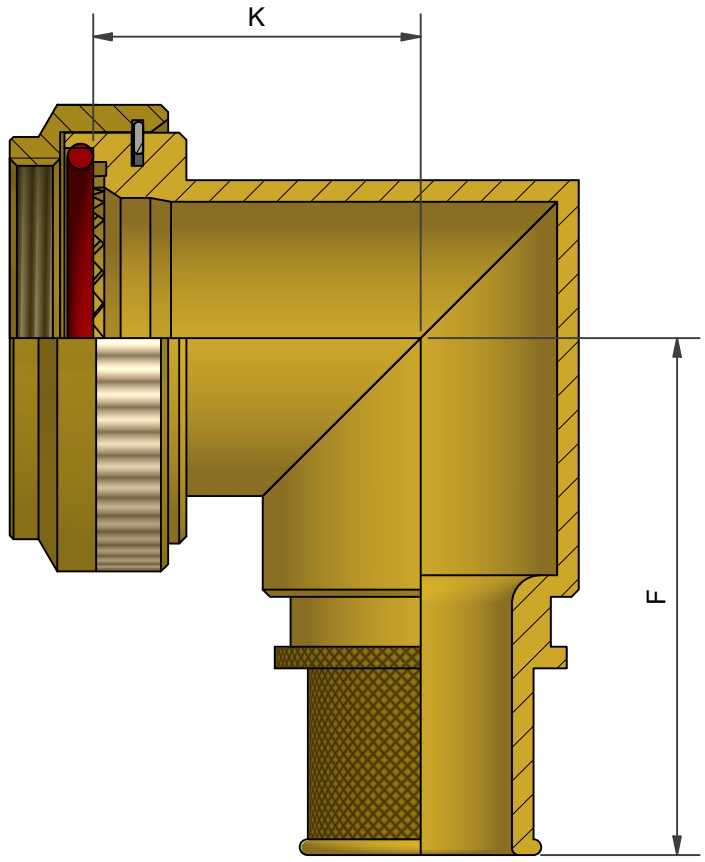

ANGLE 1



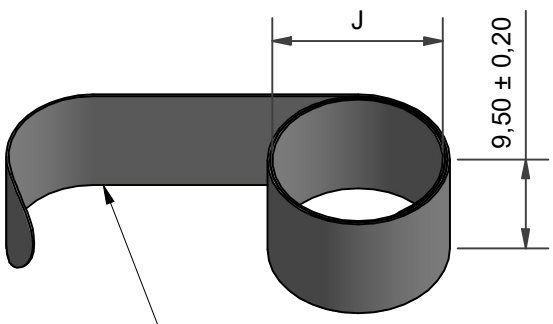

ANGLE 2




ANGLE 3
90° BACKSHELL
ALUMINIUM ALLOY




ANGLE 3
90° BACKSHELL
STAINLESS STEEL
NICKEL ALUMINIUM BRONZE




| | | | | |
|---|---|---|---|---|
| DRAWN | K.K-W | DATE 19/09/2017 | 3RD ANGLE PROJECTION NOT TO SCALE | PART NUMBER: 91H SERIES |
| SALES APPR | M.PAUL | 19/09/2017 | | |
| DESIGN APPR | K.SHEPPARD | 19/09/2017 | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1° | TITLE: SPRING TERMINATION BACKSHELL |
| PROD APPR | K.SMITH | 19/09/2017 | | |
| QUAL APPR | P.REES | 19/09/2017 | MATERIAL SEE PART NUMBER BREAKDOWN | ASSY USED ON: MIL-DTL-38999 SERIES III & IV |
| ISSUE/REV AA | CRN 26424 | | FINISH SEE PART NUMBER BREAKDOWN | |
| NCAGE CODE U5792 | WEIGHT | | | |

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POLAMCO LTD, WESTON LOCK,
LOWER BRISTOL ROAD
BATH BA2 1EP

SHT 1

DRAWING NO: P10743

TE connectivity

POLAMCO

TABLE 1

| SHELL SIZE | A THREAD | ØB MAX | ØT MIN | C MAX | D MAX | E MAX | F MAX | K ±0,5 | THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE: F MAX | THESE DIMENSIONS APPLY IF BACKSHELL IS STAINLESS STEEL OR NICKEL ALUMINIUM BRONZE: K ±1,0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 09 | M12 x 1.0 | 18,0 | 6,7 | 13,1 | 25,7 | 25,7 | 30,5 | 17,5 | 32,9 | 15,9 |
| 11 | M15 x 1.0 | 21,0 | 10,2 | 13,9 | 26,9 | 26,7 | 32,2 | 17,5 | 34,1 | 17,3 |
| 13 | M18 x 1.0 | 24,5 | 13,5 | 14,5 | 27,3 | 31,2 | 33,7 | 20,0 | 35,3 | 19,1 |
| 15 | M22 x 1.0 | 29,0 | 16,2 | 15,5 | 28,2 | 37,2 | 35,2 | 24,5 | 37,1 | 21,2 |
| 17 | M25 x 1.0 | 32,5 | 19,4 | 16,1 | 29,0 | 40,2 | 36,9 | 26,7 | 39,0 | 22,8 |
| 19 | M28 x 1.0 | 35,5 | 21,8 | 16,8 | 29,3 | 44,7 | 38,5 | 27,0 | 40,8 | 24,9 |
| 21 | M31 x 1.0 | 37,0 | 25,1 | 17,1 | 30,1 | 49,2 | 40,1 | 30,5 | 42,5 | 25,6 |
| 23 | M34 x 1.0 | 40,0 | 28,2 | 17,7 | 30,5 | 51,7 | 41,6 | 31,5 | 43,9 | 27,1 |
| 25 | M37 x 1.0 | 43,5 | 31,4 | 18,4 | 31,4 | 53,2 | 43,1 | 28,5 | 45,3 | 28,6 |

TABLE 2

| ENTRY SIZE | ØG MIN | ØH MAX | SPRING REF |
|---|---|---|---|
| 03 | 4,7 | 13,9 | HE050 |
| 04 | 6,3 | 13,9 | HE050 |
| 05 | 7,9 | 15,5 | HE100 |
| 06 | 9,5 | 17,2 | HE100 |
| 07 | 11,1 | 18,7 | HE100 |
| 08 | 12,7 | 20,3 | HE200 |
| 09 | 14,2 | 21,9 | HE200 |
| 10 | 15,8 | 23,5 | HE200 |
| 11 | 17,4 | 25,1 | HE200 |
| 12 | 19,0 | 26,7 | HE300 |
| 13 | 20,6 | 28,3 | HE300 |
| 14 | 22,2 | 29,9 | HE300 |
| 15 | 23,8 | 31,5 | HE300 |
| 16 | 25,4 | 33,1 | HE300 |
| 17 | 27,0 | 34,7 | HE400 |
| 18 | 28,6 | 36,3 | HE400 |
| 19 | 30,2 | 37,9 | HE400 |
| 20 | 31,8 | 39,5 | HE400 |
| 21 | 33,3 | 41,1 | HE400 |
| 22 | 35,0 | 42,7 | HE400 |
| 23 | 36,5 | 44,3 | HE400 |
| 24 | 38,1 | 45,9 | HE400 |

TABLE 3

| SPRING REF | J MAX (UNCONSTRAINED) |
|---|---|
| HE 050 | 7,5 |
| HE 100 | 9,1 |
| HE 200 | 12,8 |
| HE 300 | 17,9 |
| HE 400 | 21,8 |

TABLE 4

| CODE | MATERIAL / FINISH |
|---|---|
| 1-C | ALUMINIUM / ELECTROLESS NICKEL |
| 1-B | ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL |
| 1-ZB | ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL |
| 1-ZK | ALUMINIUM / ZINC COBALT BLACK OVER ELECTROLESS NICKEL |
| 1-ZN | ALUMINIUM / ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL |
| 4-J | STAINLESS STEEL 300 SERIES / PASSIVATE |
| 46-J | STAINLESS STEEL 316 / PASSIVATE |
| 2-Z | NICKEL ALUMINIUM BRONZE / SHOT BLAST |

SEE SS0076 FOR FULL RANGE OF FINISH OPTIONS
NOTE: VITON O-RING SUPPLIED WITH STAINLESS BACKSHELL

91H1-17-08-1-C-HE200

SERIES
CONNECTOR INTERFACE
ANGLE
SHELL SIZE (TABLE 1)
ENTRY SIZE (TABLE 2)
MATERIAL AND FINISH (TABLE 4)
SPRING REF (TABLE 3)
OMIT IF NO SPRING REQUIRED
SPRING REFERENCE NOT INCLUDED IN PART MARKING
e.g 91H1-17-08-1-C [BATCH NUMBER]

| | | | | |
|---|---|---|---|---|
| DRAWN | K.K-W | DATE 19/09/2017 | 3RD ANGLE PROJECTION NOT TO SCALE | PART NUMBER: 91H SERIES |
| SALES APPR | M.PAUL | 19/09/2017 | | |
| DESIGN APPR | K.SHEPPARD | 19/09/2017 | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1° | TITLE: SPRING TERMINATION BACKSHELL |
| PROD APPR | K.SMITH | 19/09/2017 | | POLAMCO |
| QUAL APPR | P.REES | 19/09/2017 | MATERIAL SEE PART NUMBER BREAKDOWN | ASSY USED ON: |
| ISSUE/REV AA | CRN 26424 | | FINISH SEE PART NUMBER BREAKDOWN | |
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