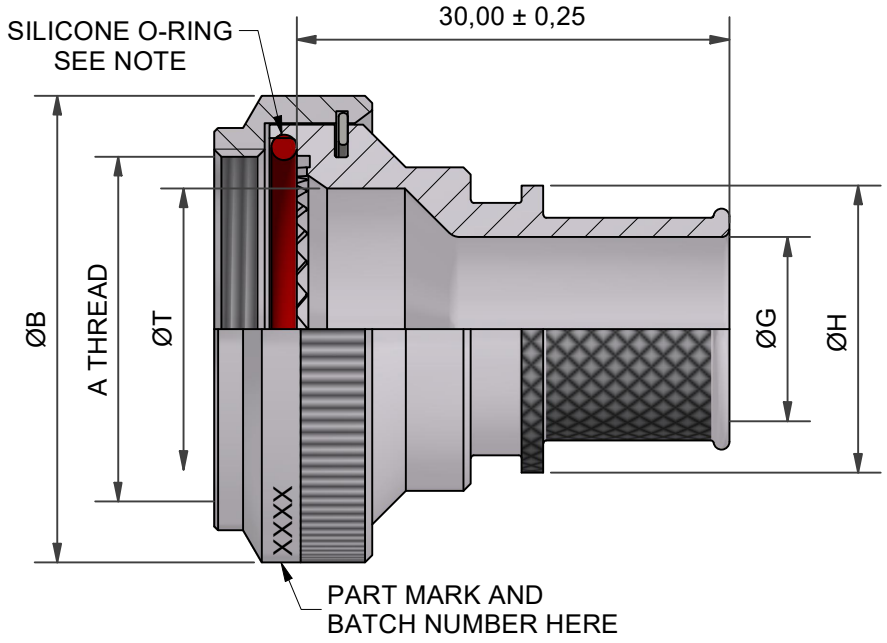
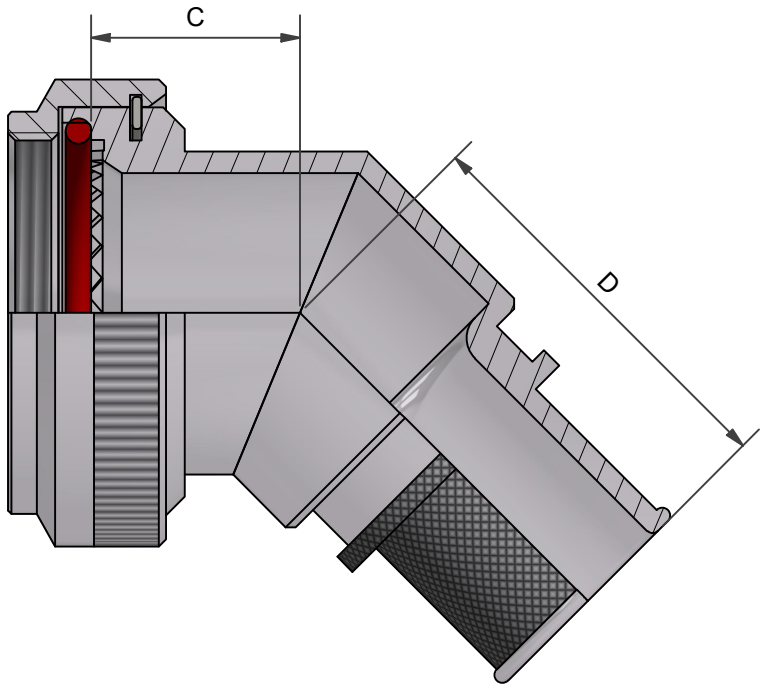
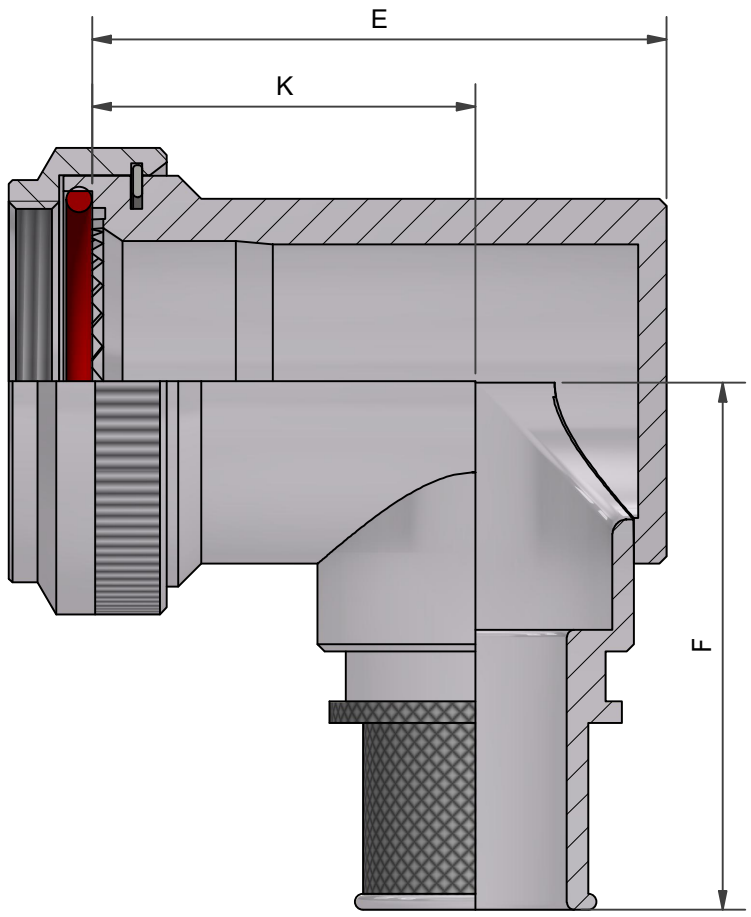
ISS / REV	DESCRIPTION	CHANGED BY	DATE
5	DCR 6180	C.WALLACE	04/03/16
6	DCR 6624	K.K-W	27/09/17
AA	CRN 26424	N.HAWKINS	13/03/24



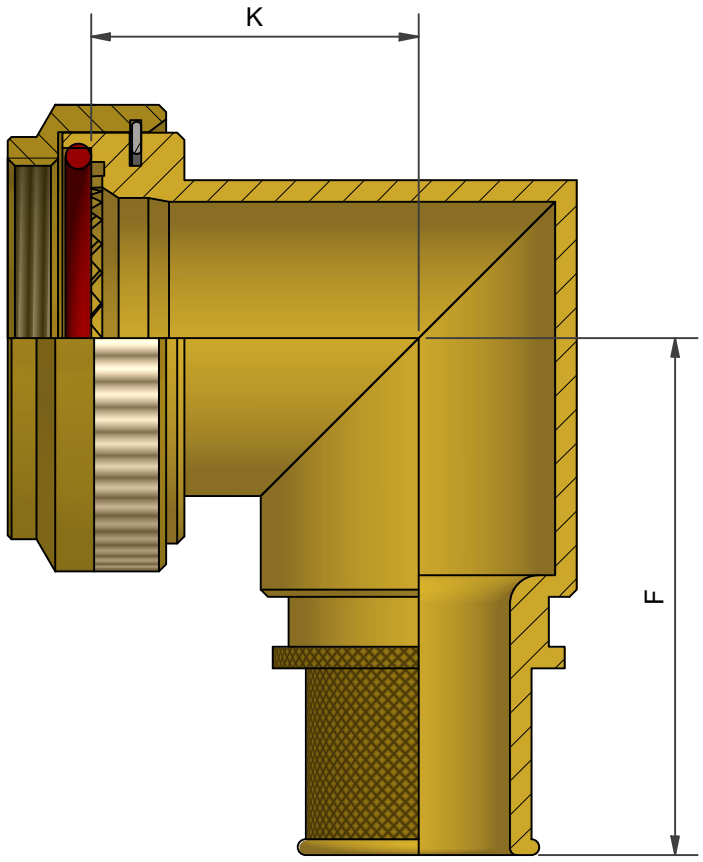
ANGLE 1



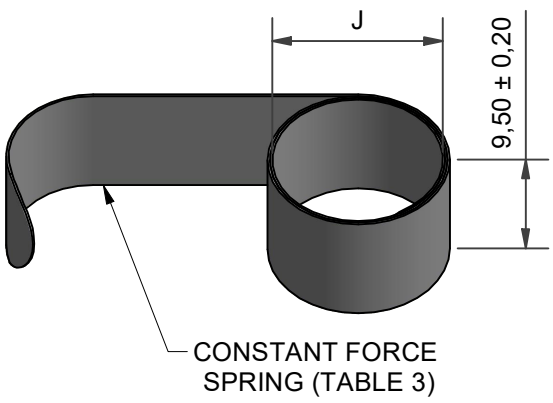
ANGLE 2



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

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		
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	
NCAGE CODE U5792	WEIGHT			

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DRAWING NO: P10743