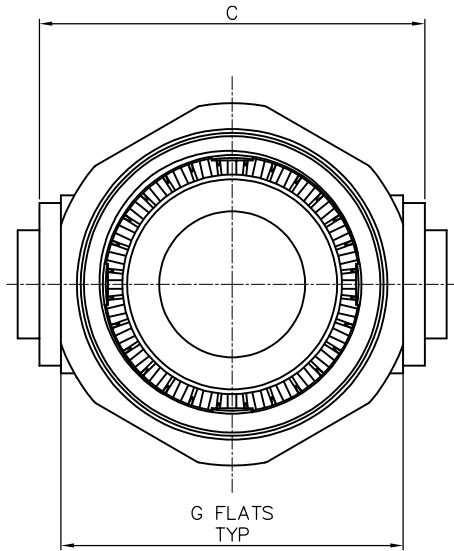
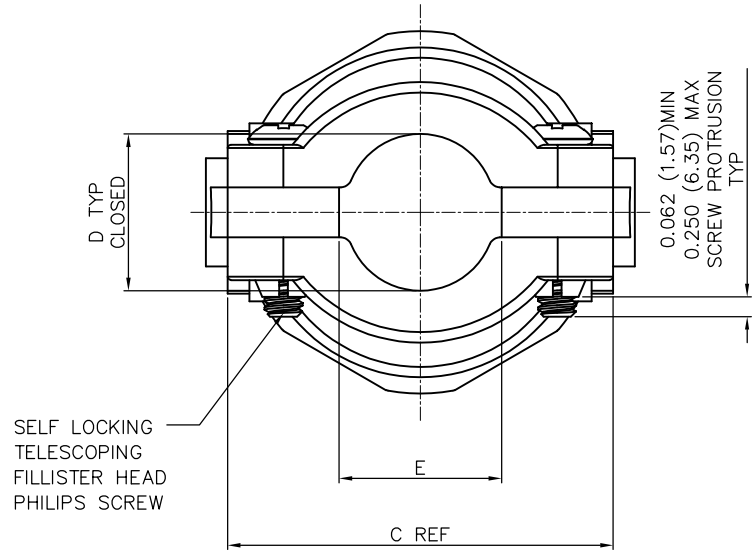


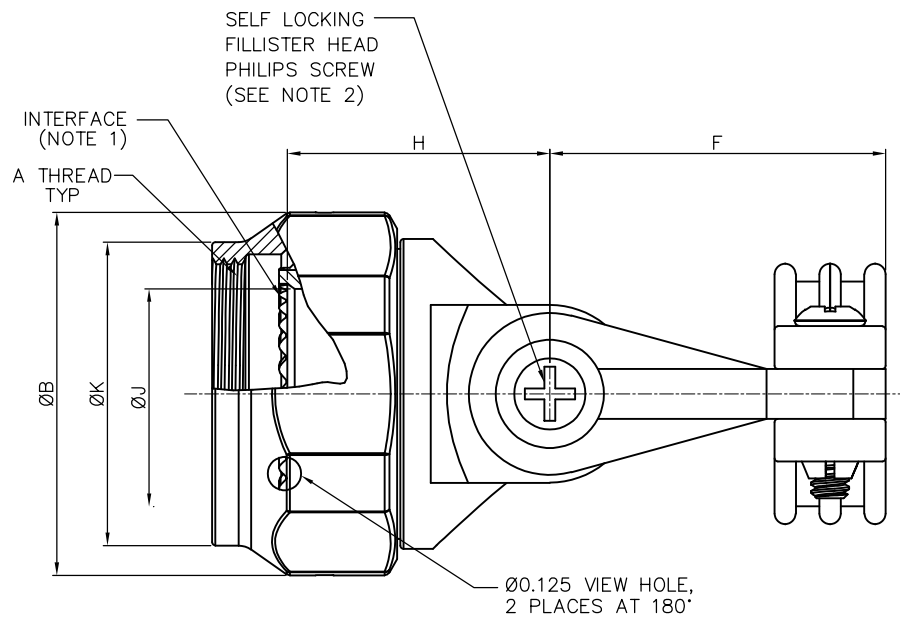
Issue No.	Eng. Ref. No.	REVISIONS	Date	App. By
01	--	ORIGINAL	25.01.22	SPK
02	B471	NOTE 3 ADDED	21.11.24	SPK



BACKSHELL FRONT VIEW



BACKSHELL REAR VIEW

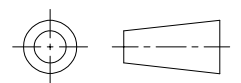


BACKSHELL SIDE VIEW

Amphenol
AIPL

TITLE

STRAIN RELIEF
COMPOSITE, ADJUSTABLE ARM, L-FAMILY



All Dimensions are in
INCHES/MM

	Name	Date
Drawn by	MADHU	25.01.22
Checked by	KSC	21.11.24
App.by	SPK	21.11.24

Dwg.
Size
A4

Dwg.No.

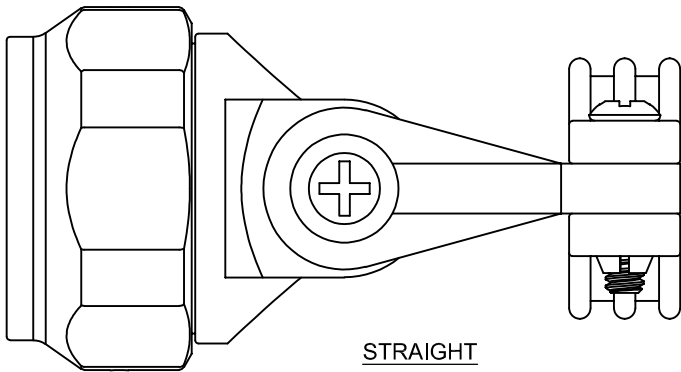
PSTDBS929

Doc. No.: QF-DEV-76
REV. NO. : 02

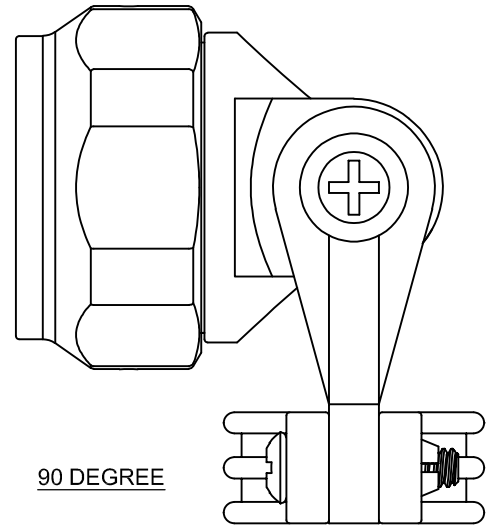
Sheet 1 OF 3

STANDARD

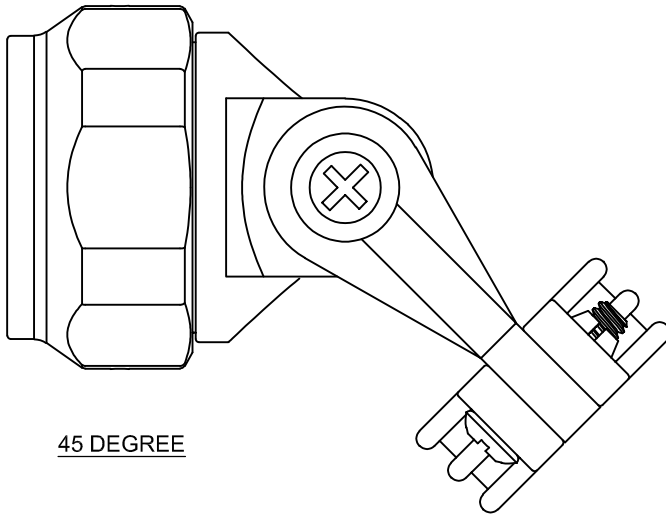
Issue No.	Eng. Ref. No.	REVISIONS	Date	App. By
01	--	ORIGINAL	25.01.22	SPK
02	B471	NOTE 3 ADDED	21.11.24	SPK



STRAIGHT



90 DEGREE



45 DEGREE

TOLERANCES:

.XXX ±0.015 (0.38)

.XX ±0.03 (0.76)

ANGULAR +1'. UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES AND (MILLIMETERS)
UNLESS OTHERWISE NOTED

TABLE I BACKSHELL DIMENSIONS

SHELL SIZE	A COUPLING RING THREAD ISO METRIC	ØB MAX		C MAX		D REF CLOSED		E MIN		F MAX	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
9	M12X1-6H	0.812	20.62	0.98	24.89	0.265	6.73	0.22	5.59	1.08	27.43
11	M15X1-6H	0.938	23.83	1.05	26.67	0.310	7.87	0.27	6.86	1.09	27.69
13	M18X1-6H	1.125	28.58	1.20	30.48	0.390	9.91	0.35	8.89	1.20	30.48
15	M22X1-6H	1.250	31.75	1.30	33.02	0.506	12.85	0.47	11.94	1.24	31.50
17	M25X1-6H	1.375	34.93	1.44	36.58	0.591	15.01	0.55	13.97	1.32	33.53
19	M28X1-6H	1.500	38.10	1.56	39.62	0.661	16.79	0.62	15.75	1.39	35.31
21	M31X1-6H	1.625	41.28	1.69	42.93	0.744	18.90	0.70	17.78	1.49	37.85
23	M34X1-6H	1.750	44.45	1.77	44.96	0.826	20.98	0.78	19.81	1.55	39.37
25	M37X1-6H	1.875	47.63	1.89	48.01	0.896	22.76	0.85	21.59	1.61	40.89

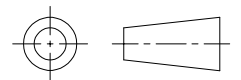
[Amphenol](#)

AIPL

TITLE

STRAIN RELIEF

COMPOSITE, ADJUSTABLE ARM, L-FAMILY



All Dimensions are in
INCHES/MM

STANDARD

Name

Date

Dwg.
Size

A4

Dwg.No.

PSTDBS929

Doc. No.: QF-DEV-76
REV. NO. : 02

Sheet 2 OF 3

Drawn by

MADHU

25.01.22

Checked by

KSC

21.11.24

App.by

SPK

21.11.24

Issue No.	Eng. Ref. No.	REVISIONS	Date	App. By
01	--	ORIGINAL	25.01.22	SPK
02	B471	NOTE 3 ADDED	21.11.24	SPK

TABLE I BACKSHELL DIMENSIONS (CONTINUED)

SHELL SIZE	G DISTANCE ACROSS FLATS				H ±0.06		J MIN		ØK MAX	
	MIN		MAX							
	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
9	0.736	18.69	0.750	19.05	0.88	22.35	0.264	6.71	0.600	15.24
11	0.860	21.84	0.875	22.23	0.91	23.11	0.390	9.91	0.717	18.21
13	0.980	24.89	1.000	25.4	0.95	24.13	0.504	12.80	0.834	21.18
15	1.100	27.94	1.125	28.58	1.01	25.65	0.630	16.00	0.990	25.15
17	1.224	31.09	1.250	31.75	1.05	26.67	0.756	19.20	1.107	28.12
19	1.348	34.24	1.375	34.93	1.08	27.43	0.843	21.41	1.224	31.09
21	1.469	37.31	1.500	38.1	1.12	28.45	0.969	24.61	1.341	34.06
23	1.581	40.16	1.625	41.28	1.16	29.46	1.091	27.71	1.453	36.91
25	1.690	42.93	1.750	44.45	1.20	30.48	1.217	30.91	1.570	39.88

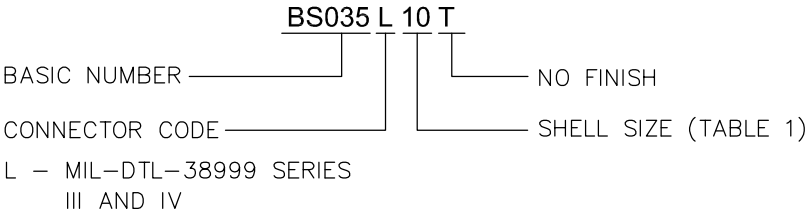
NOTE

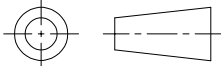
1. INTERFACE RING DIMENSIONS TO BE ACCORDANCE WITH AS85049 FIGURE 3, FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS
2. THE END OF THE SCREW SHALL NOT PROTRUDE INTO INSIDE OF BACKSHELL WHEN TIGHTENED
3. OPERATING TEMPERATURE RANGE : -65 TO +175°C

MATERIAL / FINISH

- CLAMP BODY,
COUPLING NUT,
SADDLES
- PEI, POLYETHERIMIDE, ULTEM, PER ASTM D 5205, NON CONDUCTIVE, NO FINISH
- SCREWS AND
FASTENING
HARDWARE
- 300 SERIES STAINLESS STEEL/PASSIVATED, THREADS MAY BE SILVER PLATED TO REDUCE GALLING

PART NUMBER DEVELOPMENT



Amphenol AIPL			TITLE STRAIN RELIEF COMPOSITE, ADJUSTABLE ARM, L-FAMILY				
						All Dimensions are in INCHES/MM	
	Name	Date	Dwg. Size A4	Dwg.No. PSTDBS929		STANDARD	
Drawn by	MADHU	25.01.22		Doc. No.: QF-DEV-76 REV. NO. : 02			
Checked by	KSC	21.11.24					
App.by	SPK	21.11.24					