

PRE-SHIELD ADAPTOR



This adaptor is supplied with some length of braid attached. This braid overlaps with the cable braid and effective shielding takes place due to its 360° contact. It is designed to accept heat shrink boot. Ease and less time for cable termination are the prime advantages here.

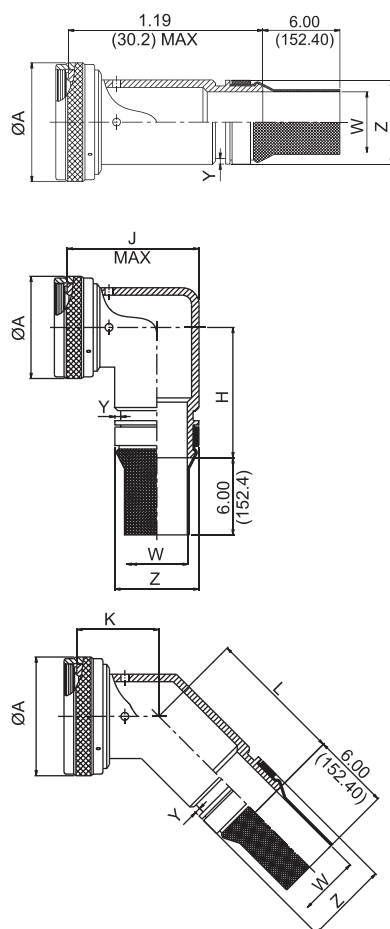
For Connector Group		Page No.
J	→	VIII-1 - VIII-2
K	→	VIII-3 - VIII-4
L	→	VIII-5 - VIII-6
M	→	VIII-7 - VIII-8
N	→	VIII-9 - VIII-10

Note: For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)



Connector Group - J

Straight, 90°, 45°



Amphenol Part Number

BH1 X X J 99 99 9 X X

Series

Angle
S: straight
A: 90deg
B: 45deg

Coupling
R: spin
S: Self-Lock

Connector group

Finish: see Table-2

Shield Finish (Material: Copper)
K: Nickel
T: Tin
(Standard shield
length=6inches)

Length
9 - for standard
Length in table / figure

Entry size
See Table-A&B

Shell size
See Table-A

MIL Part Number

M85049 / 999 S 99 X X 99 -6 D

MIL Series

Slash sheet
109: Straight
111: 90 deg

Coupling
- : Spin
S : Self lock

Shell Size
See Table-A

Drain hole option

Shield Length
(6in min, 18in max;
1in increments)
6: 6in, 7: 7in, so on

Entry size
See Table-A&B

Finish: see Table-2

Shield Finish
(Material: Copper)
K: Nickel
T: Tin

NOTE: * For more cable entry and length options, contact factory

TABLE - A										
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE	A DIA. (MAX)		H (MAX)		J (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE		SIZE	INCH	MM	INCH	MM	INCH	MM
		MIN	MAX							
08	08	-	01	8	0.885	22.48	1.73	43.94	1.12	28.45
10	10	01	03	10	1.01	25.65	1.85	46.99	1.25	31.75
12	12	01	05	7/12	1.135	28.83	1.87	47.50	1.38	35.05
14	14	02	06	12/14	1.26	32.00	1.94	49.28	1.44	36.58
16	16	04	08	19/16	1.385	35.18	2.03	51.56	1.56	39.62
18	18	05	09	27/18	1.51	38.35	2.2	55.88	1.75	44.45
20	20	07	11	37/20	1.635	41.53	2.2	55.88	1.75	44.45
22	22	09	13	22	1.76	44.70	2.31	58.67	2	50.80
24	24	11	14	24	1.885	47.88	2.31	58.67	2	50.80
28	28	14	16	28	2.135	54.23	2.48	62.99	2.25	57.15
32	32	16	17	32	2.395	60.83	2.73	69.34	2.75	69.85
36	36	17	19	36	2.635	66.93	2.73	69.34	3.125	79.38
40	40	19	21	40	2.885	73.28	2.88	73.15	4.125	104.78
44	44	21	23	44	3.135	79.63	3	76.20	4.125	104.78
48	48	23	25	48	3.385	85.98	3.12	79.25	4.125	104.78

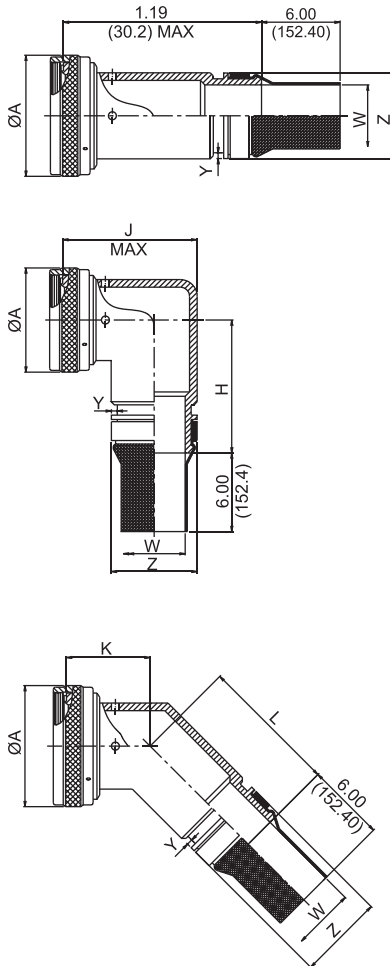
Table Continued

TABLE - A								
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE	L(MAX)		K (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE		SIZE	INCH	MM	INCH	MM
		MIN	MAX		NOT APPLICABLE FOR S.A.E			
08	08	-	01	8	1.61	40.89	1.00	25.40
10	10	01	03	10	1.73	43.94	1.13	28.70
12	12	01	05	7/12	1.75	44.45	1.26	32.00
14	14	02	06	12/14	1.82	46.23	1.32	33.53
16	16	04	08	19/16	1.91	48.51	1.44	36.58
18	18	05	09	27/18	2.08	52.83	1.63	41.40
20	20	07	11	37/20	2.08	52.83	1.63	41.40
22	22	09	13	22	2.19	55.63	1.88	47.75
24	24	11	14	24	2.19	55.63	1.88	47.75
28	28	14	16	28	2.36	59.94	2.13	54.10
32	32	16	17	32	2.61	66.29	2.63	66.80
36	36	17	19	36	2.61	66.29	3.01	76.45
40	40	19	21	40	2.76	70.10	4.01	101.85
44	44	21	23	44	2.88	73.15	4.01	101.85
48	48	23	25	48	3.00	76.20	4.01	101.85

TABLE - B						
ENTRY SIZE	W ±0.020	W ±0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34
15	1.250	31.75	0.069	1.75	1.60	40.64
16	1.375	34.93	0.069	1.75	1.71	43.43
17	1.500	38.10	0.086	2.18	1.84	46.74
18	1.625	41.28	0.086	2.18	2.00	50.80
19	1.750	44.45	0.086	2.18	2.12	53.85
20	1.875	47.63	0.086	2.18	2.27	57.66
22	2.000	50.80	0.086	2.18	2.44	61.98
22	2.125	53.98	0.086	2.18	2.60	66.04
23	2.250	57.15	0.086	2.18	2.75	69.85
24	2.375	60.325	0.086	2.18	2.90	73.66
25	2.500	63.50	0.086	2.18	3.06	77.72

Connector Group - K

Straight, 90°, 45°



Amphenol Part Number

	BH1	X	X	K	99	99	9	X	X	
Series										
Angle										
S: straight										
A: 90deg										
B: 45deg										
Coupling										
R: spin										
S: Self-Lock										
Connector group										
										Finish: see Table-2
										Shield Finish (Material: Copper)
										K: Nickel
										T: Tin
										(Standard shield length=6inches)
										Length
										9 - for standard
										Length in table / figure
										Entry size
										See Table-A&B
										Shell size
										See Table-A

MIL Part Number

	M85049	999	S	99	X	X	99	-6	D	
MIL Series										
Slash sheet										
112: Straight										
114: 90 deg										
Coupling										
- : Spin										
S : Self lock										
Shell Size										
See Table-A										
										Drain hole option
										Shield Length
										(6in min, 18in max;
										1in increments)
										6: 6in, 7: 7in, so on
										Entry size
										See Table-A&B
										Finish: see Table-2
										Shield Finish
										(Material: Copper)
										K: Nickel
										T: Tin

NOTE: * For more cable entry and length options, contact factory

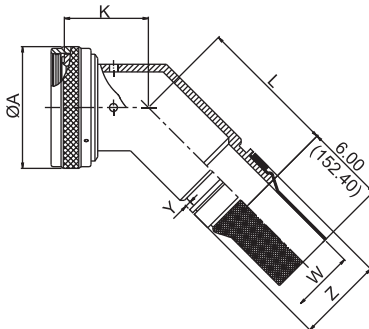
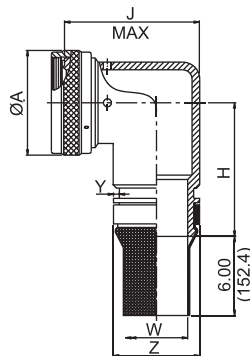
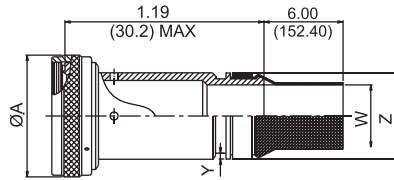
TABLE - A														
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		H (MAX)		J (MAX)		L(MAX)		K (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
		MIN	MAX											
08	08	-	01	8/9	0.86	21.84	1.73	43.94	1.07	27.18	1.61	40.89	1.00	25.40
10	10	01	03	10/11	0.98	24.89	1.85	46.99	1.19	30.23	1.73	43.94	1.13	28.70
12	12	01	05	12/13	1.16	29.46	1.87	47.50	1.32	33.53	1.75	44.45	1.26	32.00
14	14	03	07	14/15	1.28	32.51	1.94	49.28	1.44	36.58	1.82	46.23	1.32	33.53
16	16	05	09	16/17	1.41	35.81	2.03	51.56	1.57	39.88	1.91	48.51	1.44	36.58
18	18	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
20	20	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
22	22	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75
24	24	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75

TABLE - B						
ENTRY SIZE	W ±0.020	W ±0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34



Connector Group - L

Straight, 90°, 45°



Amphenol Part Number

Series: BH1
 Angle: X (S: straight, A: 90deg, B: 45deg)
 Coupling: X (R: spin, S: Self-Lock)
 Connector group: L
 Shell size: 99
 Entry size: 99
 Length: 9 (Length in table / figure)
 Finish: see Table-2
 Shield Finish (Material: Copper)
 K: Nickel
 T: Tin
 (Standard shield length=6inches)

MIL Part Number

MIL Series: M85049 / 999
 Slash sheet: S (115: Straight, 117: 90 deg)
 Coupling: X (Spin, S: Self lock)
 Shell Size: 99
 Entry size: 99
 Shield Length: -6 (6in min, 18in max; 1in increments)
 Drain hole option: D
 Finish: see Table-2
 Shield Finish (Material: Copper)
 K: Nickel
 T: Tin

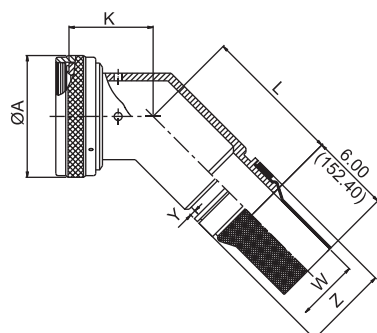
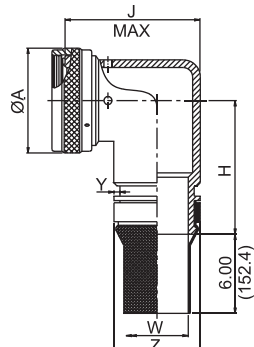
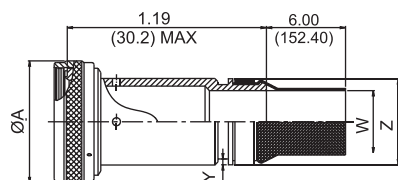
NOTE: * For more cable entry and length options, contact factory

TABLE - A														
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		H (MAX)		J (MAX)		L(MAX)		K (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
		MIN	MAX											
09	08	-	01	8/9	0.86	21.84	1.73	43.94	0.88	22.35	1.61	40.89	1.00	25.40
11	10	01	03	10/11	0.98	24.89	1.85	46.99	1	25.40	1.73	43.94	1.13	28.70
13	12	01	05	12/13	1.16	29.46	1.87	47.50	1.13	28.70	1.75	44.45	1.26	32.00
15	14	03	07	14/15	1.28	32.51	1.94	49.28	1.31	33.27	1.82	46.23	1.32	33.53
17	16	05	09	16/17	1.41	35.81	2.03	51.56	1.5	38.10	1.91	48.51	1.44	36.58
19	18	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
21	20	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
23	22	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75
25	24	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75

TABLE - B						
ENTRY SIZE	W ±0.020	W ±0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34

Connector Group - M

Straight, 90°, 45°



Amphenol Part Number

Series	BH1	X	X	M	99	99	9	X	X	Finish: see Table-2
Angle										Shield Finish (Material: Copper)
										K: Nickel
										T: Tin
										(Standard shield length=6inches)
Coupling										Length
										9 - for standard
										Length in table / figure
										Entry size
										See Table-A&B
Connector group										Shell size
										See Table-A

NOTE: * For more cable entry and length options, contact factory

TABLE - A

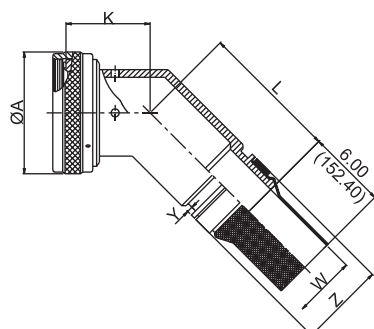
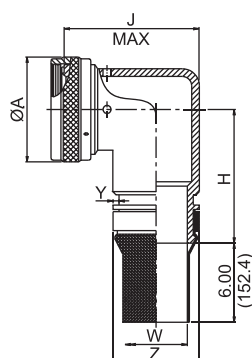
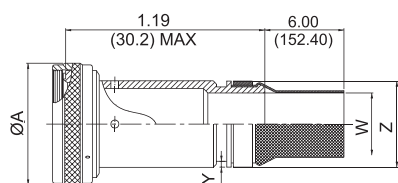
TABLE - A														
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		H (MAX)		J (MAX)		L(MAX)		K (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
		MIN	MAX											
08	08	-	01	8/9	0.86	21.84	1.73	43.94	1.07	27.18	1.61	40.89	1.00	25.40
10	10	01	03	10/11	0.98	24.89	1.85	46.99	1.19	30.23	1.73	43.94	1.13	28.70
12	12	01	05	12/13	1.16	29.46	1.87	47.50	1.32	33.53	1.75	44.45	1.26	32.00
14	14	03	07	14/15	1.28	32.51	1.94	49.28	1.44	36.58	1.82	46.23	1.32	33.53
16	16	05	09	16/17	1.41	35.81	2.03	51.56	1.57	39.88	1.91	48.51	1.44	36.58
18	18	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
20	20	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
22	22	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75
24	24	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75

NOT APPLICABLE FOR S.A.E

TABLE - B						
ENTRY SIZE	W ±0.020	W ±0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34

Connector Group - N

Straight, 90°, 45°



Amphenol Part Number

BH1 X X N 99 99 9 X X

Series

Angle
S: straight
A: 90deg
B: 45deg

Coupling
R: spin
S: Self-Lock

Connector group

Finish: see Table-2

Shield Finish (Material: Copper)
K: Nickel
T: Tin
(Standard shield length=6inches)

Length
9 - for standard
Length in table / figure

Entry size
See Table-A&B

Shell size
See Table-A

NOTE: * For more cable entry and length options, contact factory

TABLE - A

TABLE - A														
PART NUMBER DESIGNATOR				CONNECTOR SHELL SIZE SIZE	A DIA. (MAX)		H (MAX)		J (MAX)		L(MAX)		K (MAX)	
SHELL SIZE - MIL	SHELL SIZE- AMPHENOL	ALLOWABLE ENTRY SIZE			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
		MIN	MAX											
08	08	-	01	8/9	0.86	21.84	1.73	43.94	1.07	27.18	1.61	40.89	1.00	25.40
10	10	01	03	10/11	0.98	24.89	1.85	46.99	1.19	30.23	1.73	43.94	1.13	28.70
12	12	01	05	12/13	1.16	29.46	1.87	47.50	1.32	33.53	1.75	44.45	1.26	32.00
14	14	03	07	14/15	1.28	32.51	1.94	49.28	1.44	36.58	1.82	46.23	1.32	33.53
16	16	05	09	16/17	1.41	35.81	2.03	51.56	1.57	39.88	1.91	48.51	1.44	36.58
18	18	06	10	18/19	1.52	38.61	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
20	20	08	12	20/21	1.64	41.66	2.2	55.88	1.75	44.45	2.08	52.83	1.63	41.40
22	22	09	13	22/23	1.77	44.96	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75
24	24	10	14	24/25	1.89	48.01	2.31	58.67	2	50.80	2.19	55.63	1.88	47.75

TABLE - B						
ENTRY SIZE	W ±0.020	W +0.508	Y +0.008 -0.000 (INCH)	Y +0.200 -0.000 (MM)	Z MAX	Z MAX
	(INCH)	(MM)	(INCH)	(MM)	(INCH)	(MM)
01	0.250	6.35	0.044	1.12	0.56	14.22
02	0.312	7.92	0.044	1.12	0.63	16.00
03	0.375	9.53	0.044	1.12	0.69	17.53
04	0.438	11.13	0.044	1.12	0.75	19.05
05	0.500	12.70	0.044	1.12	0.82	20.83
06	0.562	14.27	0.044	1.12	0.89	22.61
07	0.625	15.88	0.044	1.12	0.95	24.13
08	0.688	17.48	0.044	1.12	1.02	25.91
09	0.750	19.05	0.069	1.75	1.07	27.18
10	0.812	20.62	0.069	1.75	1.13	28.70
11	0.875	22.23	0.069	1.75	1.19	30.23
12	0.938	23.83	0.069	1.75	1.26	32.00
13	1.000	25.40	0.069	1.75	1.32	33.53
14	1.125	28.575	0.069	1.75	1.47	37.34