



8D Series

D38999 Bronze Series

Connector part numbers

Basic Series	JVS	16	A	11	35	P	N
Shell style:							
00: Square flange receptacle							
07: Jam nut receptacle							
16: Plug with RFI shielding							
Material:							
A: Bronze housing material							
Shell size:							
09, 11, 13, 15, 17, 19, 21, 23, 25							
Contact layout:							
See pages 13 to 19							
Contact type:							
P: Pin A: Connector supplied less pin contact or with specific contacts (connector marking: A + orientation)							
S: Socket B: Connector supplied less socket contact or with specific contacts (connector marking: B + orientation)							
Orientation:							
N, A, B, C, D, E (see page 73)							
Specification:							
251: Connector provides with power contacts (layouts with contacts #8)							
CI: Printed board mounting contacts							
LI: Receptacle with long PC tail (pin or socket #22D)							
L: For P or S contact type only, connectors delivered without contacts, connectors marking P or S plus orientation							

CECC part numbers

Basic Series	C 752 002	B	B	98	M	C	N	A	0	1	G
Shell style:											
A: Plug											
B: Square flange receptacle											
C: Jam nut receptacle											
Shell size:											
09=A, 11=B, 13=C, 15=D, 17=E, 19=F, 21=G, 23=H, 25=J											
Contact layout:											
See pages 13 to 19											
Contact type:											
M: Pin											
F: Socket											
Type of contact termination:											
C: Crimp contact											
Orientation:											
N, A, B, C, D, E (see page 73)											
Shell material:											
A: Aluminum bronze											
Supply code:											
0: Connectors supplied with contacts											
1: Connectors supplied without contacts											
Assessment level:											
1: Level 1											
Performance level:											
G: Level G											

Note: C 752 002 refers to the abbreviated form of the CECC 75 201-002 type designation.

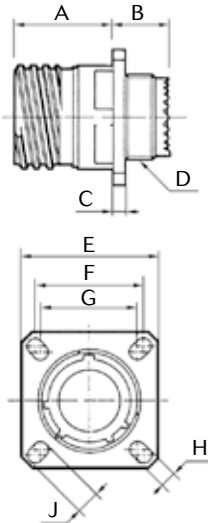
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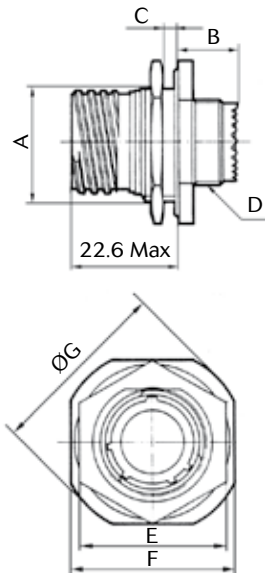
Dimensions

Receptacle type 00 (JVS) or type B (CECC)



Shell size	A Max	B Max	C Max	D Thread	E ^{±0.3}	F	G	H ^{±0.2}	J ^{±0.2}
09 (A)	20.2	11.4	2.5	M12 x 1-6g	23.8	18.26	15.09	3.25	5.49
11 (B)				M15 x 1-6g	26.2	20.62	18.26		4.93
13 (C)				M18 x 1-6g	28.6	23.01	20.62		4.93
15 (D)				M22 x 1-6g	31	24.61	23.01		
17 (E)				M25 x 1-6g	33.3	26.97	24.61		
19 (F)				19.8	11.8	3.2	M28 x 1-6g		36.5
21 (G)	M31 x 1-6g	39.7	31.75		29.36				
23 (H)	M34 x 1-6g	42.9	34.93		31.75				
25 (J)		11.4		M37 x 1-6g	46	38.1	34.93		

Receptacle type 07 (JVS) or type C (CECC)



Shell size	A ^{±0.15}	B Max	C Max	D Thread	E Max	F ^{±0.4}	ØG Max	
09 (A)	16.53	9.9	3.2	M12 x 1-6g	23	27	30.5	
11 (B)	19.07			M15 x 1-6g	26	31.8	35.2	
13 (C)	23.82			M18 x 1-6g	31	34.9	38.4	
15 (D)	26.97			M22 x 1-6g	34	38.1	41.6	
17 (E)	30.15			M25 x 1-6g	37	41.3	44.8	
19 (F)	33.32			M28 x 1-6g	41	46	49.5	
21 (G)	36.50			M31 x 1-6g	46	49.2	52.7	
23 (H)	39.67				55.9	47	52.4	55.9
25 (J)	42.85				59	51.23	55.6	59

Recommended coupling torque on panel for jam nut receptacle (type 7)

Shell	09 (A)	11 (B)	13 (C)	15 (D)	17 (E)	19 (F)	21 (G)	23 (H)	25 (J)
Coupling torque (±0.5 N.m)	4	5	7	8	9	10	12	13	14

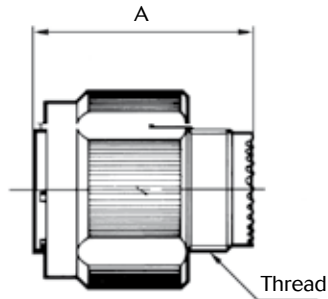
Note: All dimensions are in millimeters (mm)



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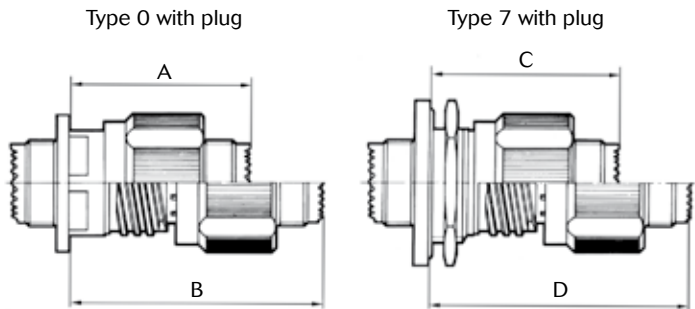
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Plug type 16 (JVS) or type A (CECC)



Shell size	A Max	Thread	ØB Max
09 (A)	31.00	M12 x 1-6g	21.10
11 (B)		M15 x 1-6g	23.80
13 (C)		M18 x 1-6g	28.20
15 (D)		M22 x 1-6g	31.40
17 (E)		M25 x 1-6g	36.50
19 (F)		M28 x 1-6g	39.30
21 (G)		M31 x 1-6g	42.50
23 (H)		M34 x 1-6g	45.30
25 (J)		M37 x 1-6g	48.40

Mated connectors dimensions



Shell size	A Max	B Max	C Max	D Max
09 (A)	37.00	52.30	38.30	53.60
11 (B)				
13 (C)				
15 (D)				
17 (E)				
19 (F)				
21 (G)	36.00	51.30		
23 (H)				
25 (J)				

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Receptacle with straight PC tail contacts (CI & TI specification)



	Shell size			09 (A)	11 (B)	13 (C)	15 (C)	17 (E)	19 (F)	21 (G)	23 (H)	25 (J)	
	Contact size	Contact type	PC tail type										
A		#22D	M & F	L	0.70								
		#22D	M & F	C	0.50								
		#20	M & F	C	0.70								
		#16	M & F	C	1.12 ^{±0.03}								
L1	Min	#22D	M	L	10.52						10.34		
	Max	#22D	M	L	11.46						11.28		
	Min	#22D	F	L	10.19						10.01		
	Max	#22D	F	L	11.46						11.28		
	Min	#22D	M	C	10.19						10.01		
	Max	#22D	M	C	11.46						11.28		
	Min	#22D	F	C	10.69						10.51		
	Max	#22D	F	C	11.63						11.45		
	Min	#20	M	C	10.36						10.18		
	Max	#20	M	C	11.63						11.45		
	Min	#20	F	C	10.69						10.51		
	Max	#20	F	C	11.63						11.45		
	Min	#16	M	C	10.69						10.51		
	Max	#16	M	C	11.63						11.45		
L2		#22D	M & F	L	8.50								
		#22D	M & F	C	5.10								
		#20	M & F	C	5.10								
		#16	M & F	C	5 ^{±0.1}								
L3	Min	#22D	M	L	9.48					9.59			
	Max	#22D	M	L	10.58					10.69			
	Min	#22D	F	L	9.15					9.26			
	Max	#22D	F	L	10.58					10.69			
	Min	#22D	M	C	9.65					9.76			
	Max	#22D	M	C	10.75					10.86			
	Min	#22D	F	C	9.15					9.26			
	Max	#22D	F	C	10.75					10.86			
	Min	#20	M	C	9.65					9.76			
	Max	#20	M	C	10.75					10.86			
	Min	#20	F	C	9.65					9.76			
	Max	#20	F	C	10.75					10.86			
	Min	#16	M	C	9.64					9.75			
	Max	#16	M	C	10.75					10.86			
Min	#16	F	C	9.64					9.75				
Max	#16	F	C	10.75					10.86				

M: Male contact F: Female contact L: Long PC tail C: Short PC tail

Dimensions in millimeters

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Backshell part numbers

Basic Series	JVS	A	11	E	00	C	CC
Accessory style A : Rear accessory (backshell)							
Shell size: 09, 11, 13, 15, 17, 19, 21, 23, 25							
Accessory type: A: Screened adaptor for use with compression spring or band strap B: Adaptor with strain relief cable clamp E: Screened adaptor with braid trap G: Environmental cone clamp screened adaptor P: Adaptor for heat shrink boot X: Cone clamp screened adaptor							
Cable entry codification (see table below): For B type: 00: Standard, by default choice For other types: 00: Standard, by default choice 03 to 32: Depending on backshell type, please refer to corresponding table							
Angle: A: Straight backshell (orientation by default) B: 45° backshell (except for «B Type» accessory) C: 90° right angle backshell							
Variant: For all types: None: Supplied without any other accessory For E and X type: CC: Cable clamp variant							

How to built a backshell reference for types A, E or G

Backshell type	Shell size	Standard correspondance		Specific
		Entry codification	Entry size backshell	Other entry cofication
Type A & E	09	00	04	03
	11	00	06	05 to 03
	13	00	08	07 to 04
	15	00	10	09 to 06
	17	00	12	11 to 08
	19	00	13	12 to 09
	21	00	16	15 to 12
	23	00	18	17 to 14
	25	00	20	19 to 16

Backshell type	Shell size	Standard correspondance		Specific
		Entry codification	Entry size backshell	Other entry cofication
Type G	09	00		
	11	00	04	
	13	00	06	04
	15	00	10	08 to 04
	17	00	12	11 to 04
	19	00	12	10 to 04
	21	00	16	12 to 04
	23	00	16	12 to 04
	25	00	16	12 to 04

Examples:

To order a right angle backshell type "A" size 15 with entry size 10 → placed your order with: JVS A 15 G 00 C

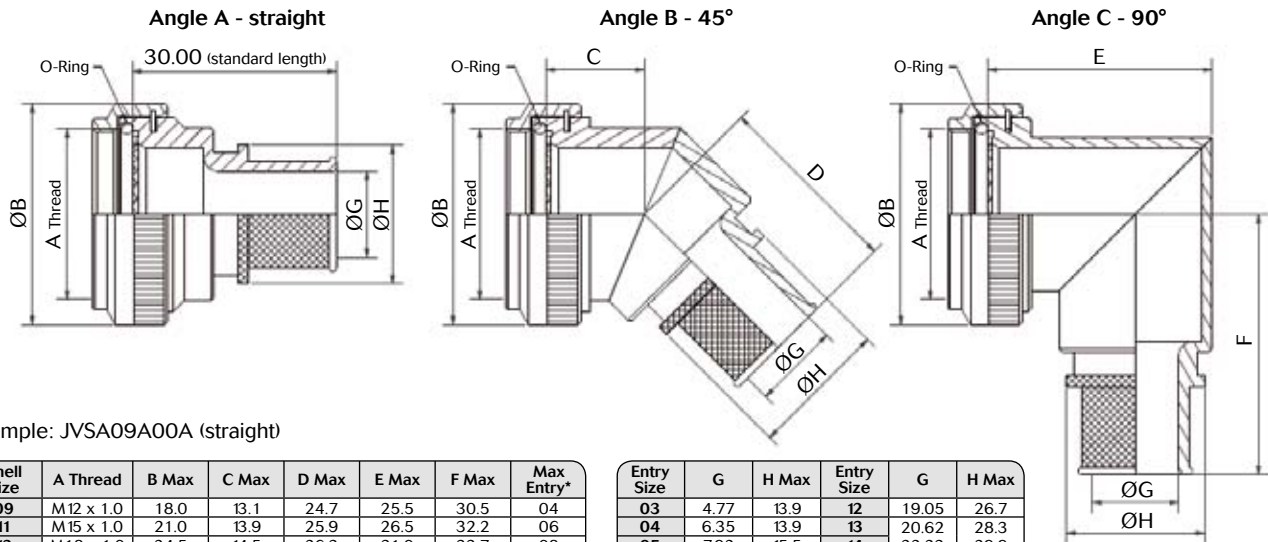
To order a right angle backshell type "A" size 15 with entry size 06 → placed your order with: JVS A 15 G 06 C

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Type A - Screened adaptor for use with compression spring or band strap



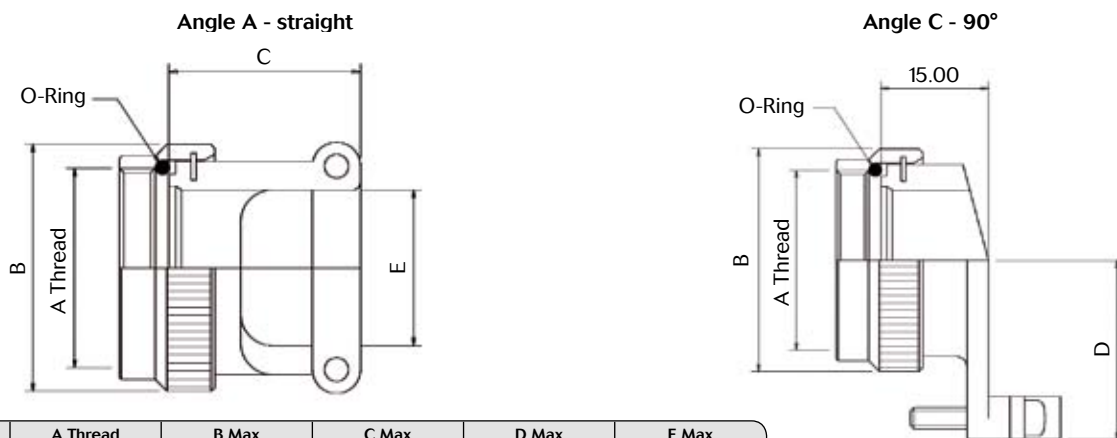
Example: JVSA09A00A (straight)

Shell Size	A Thread	B Max	C Max	D Max	E Max	F Max	Max Entry*
09	M12 x 1.0	18.0	13.1	24.7	25.5	30.5	04
11	M15 x 1.0	21.0	13.9	25.9	26.5	32.2	06
13	M18 x 1.0	24.5	14.5	26.3	31.0	33.7	08
15	M22 x 1.0	29.0	15.5	27.2	37.0	35.2	10
17	M25 x 1.0	32.5	16.1	28.0	40.0	36.9	12
19	M28 x 1.0	35.5	16.8	28.3	44.5	38.5	13
21	M31 x 1.0	37.0	17.1	29.1	49.0	40.1	16
23	M34 x 1.0	40.0	17.7	29.5	51.5	41.6	18
25	M37 x 1.0	43.5	18.4	30.4	53.0	43.1	20

Entry Size	G	H Max	Entry Size	G	H Max
03	4.77	13.9	12	19.05	26.7
04	6.35	13.9	13	20.62	28.3
05	7.92	15.5	14	22.23	29.9
06	9.52	17.2	15	23.82	31.5
07	11.10	18.7	16	25.40	33.1
08	12.70	20.3	17	27.00	34.7
09	14.27	21.9	18	28.60	36.3
10	15.88	23.5	19	30.20	37.9
11	17.47	25.1	20	31.80	39.5

* Recommendation only, please consult us for outside entry size

Type B - Adaptor with strain relief cable clamp



Shell Size	A Thread	B Max	C Max	D Max	E Max
09	M12 x 1.0	18.0	21.5	20.0	7.0
11	M15 x 1.0	21.0	21.5	21.0	10.5
13	M18 x 1.0	24.5	23.5	22.0	13.4
15	M22 x 1.0	29	23.5	23.0	16.5
17	M25 x 1.0	32.5	24.5	25.0	19.7
19	M28 x 1.0	35.5	27.5	27.5	22.2
21	M31 x 1.0	37.0	34.5	30.0	25.6
23	M34 x 1.0	40.0	37.5	31.5	28.5
25	M37 x 1.0	43.5	37.5	34.5	31.7

Example: JVSA09B00A (straight)

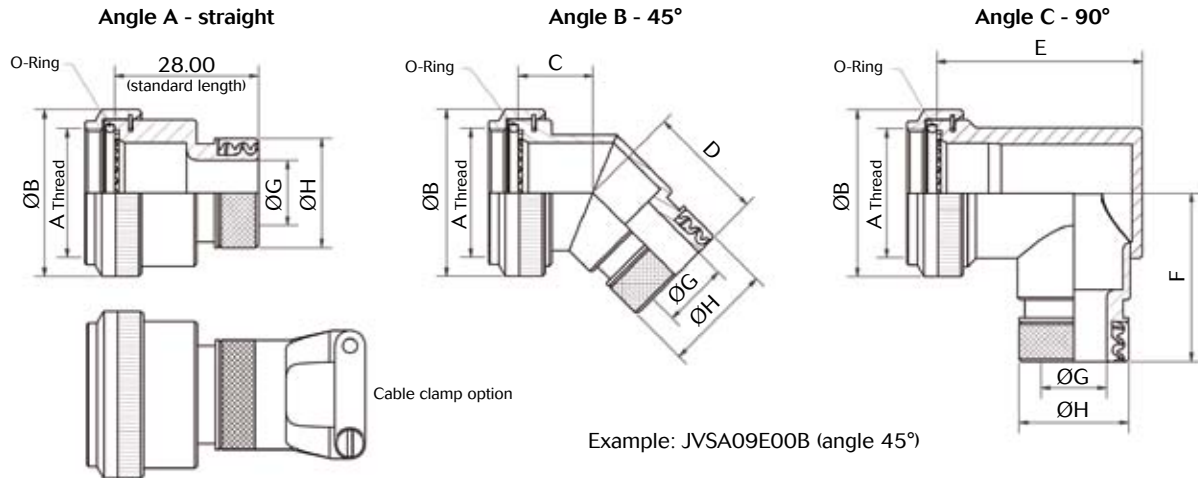
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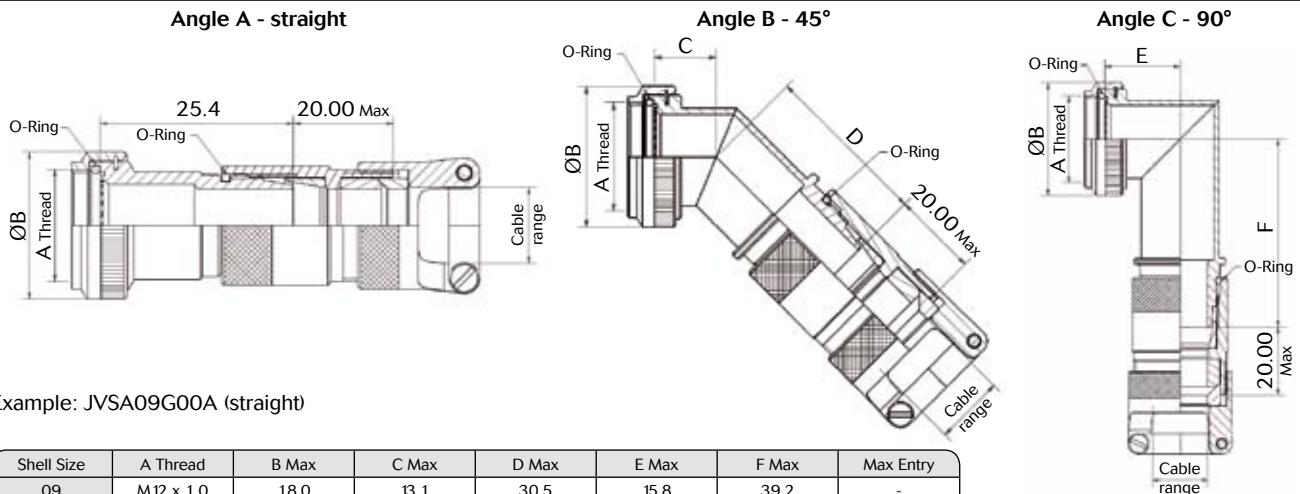
Type E - Screened adaptor with braid trap



Shell Size	A Thread	B Max	C Max	D Max	E Max	F Max	Max Entry
09	M12 x 1.0	18.0	13.1	23.6	25.7	30.5	04
11	M15 x 1.0	21.0	13.9	24.4	26.7	32.2	06
13	M18 x 1.0	24.5	14.5	24.8	31.2	33.7	08
15	M22 x 1.0	29.0	15.5	25.6	37.2	35.2	10
17	M25 x 1.0	32.5	16.1	26.4	40.2	36.9	12
19	M28 x 1.0	35.5	16.8	26.8	44.7	38.5	13
21	M31 x 1.0	37.0	17.1	27.6	49.2	40.1	16
23	M34 x 1.0	40.0	17.7	28.0	51.7	41.6	18
25	M37 x 1.0	43.5	18.4	29.0	53.2	43.1	20

Entry Size	G	H Max	Entry Size	G	H Max
03	4.77	15.0	12	19.05	27.7
04	6.35	15.0	13	20.62	29.3
05	7.92	16.6	14	22.23	30.9
06	9.52	18.2	15	23.82	32.5
07	11.10	19.8	16	25.40	34.1
08	12.70	21.4	17	27.00	35.7
09	14.27	23.0	18	28.60	37.3
10	15.88	24.6	19	30.20	39.1
11	17.47	26.2	20	31.80	40.4

Type G - Environmental cone clamp screened adaptor



Shell Size	A Thread	B Max	C Max	D Max	E Max	F Max	Max Entry
09	M12 x 1.0	18.0	13.1	30.5	15.8	39.2	-
11	M15 x 1.0	21.0	13.9	30.5	17.6	42.3	04
13	M18 x 1.0	24.5	14.5	32.5	19.0	42.8	06
15	M22 x 1.0	29.0	15.5	40.3	21.5	50.5	10
17	M25 x 1.0	32.5	16.1	43.1	23.1	52.8	12
19	M28 x 1.0	35.5	16.8	47.9	24.5	57.1	12
21	M31 x 1.0	37.0	17.1	47.9	25.3	57.1	16
23	M34 x 1.0	40.0	17.7	56.5	27.5	64.7	16
25	M37 x 1.0	43.5	18.4	56.5	28.3	64.7	16

Entry Size	Cable Range
04	3.2 - 7.9
06	6.4 - 11.1
08	9.8 - 14.3
10	8.9 - 15.9
12	12.7 - 19.1
16	15.9 - 23.8

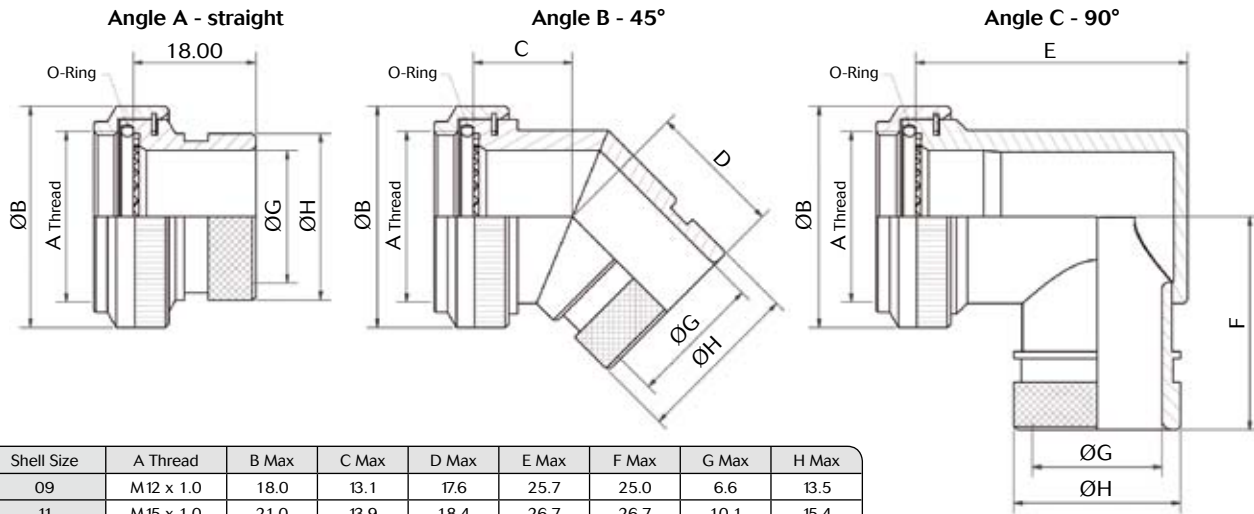
Note: All dimensions are in millimeters (mm)

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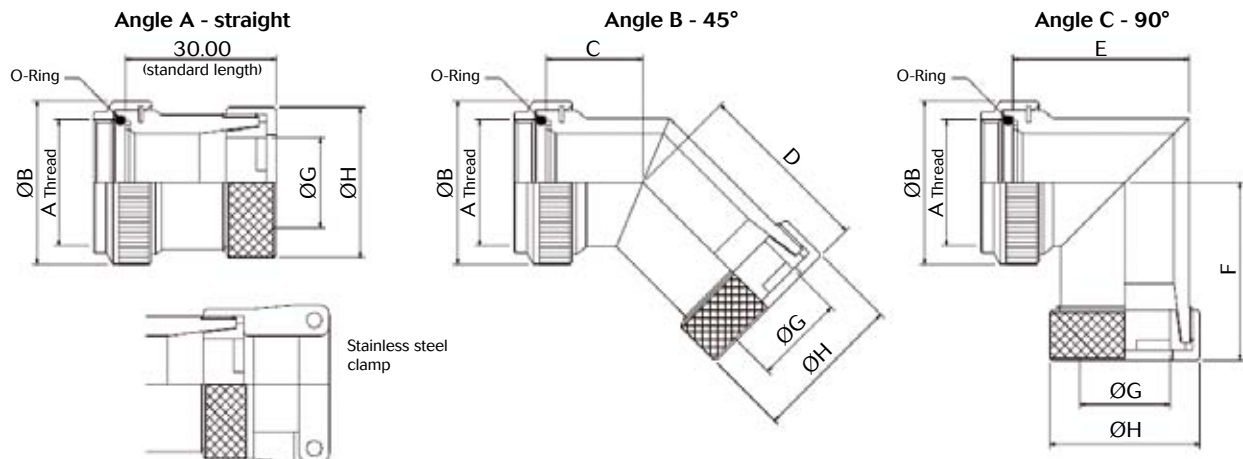
Type P - Adaptor for heat shrink boot



Shell Size	A Thread	B Max	C Max	D Max	E Max	F Max	G Max	H Max
09	M12 x 1.0	18.0	13.1	17.6	25.7	25.0	6.6	13.5
11	M15 x 1.0	21.0	13.9	18.4	26.7	26.7	10.1	15.4
13	M18 x 1.0	24.5	14.5	19.3	31.2	28.2	13.4	19.7
15	M22 x 1.0	29	15.5	19.6	37.2	29.7	16.1	21.3
17	M25 x 1.0	32.5	16.1	20.4	40.2	31.4	19.3	24.5
19	M28 x 1.0	35.5	16.8	20.8	44.7	33.0	21.7	26.5
21	M31 x 1.0	37.0	17.1	21.6	49.2	34.6	25	31.0
23	M34 x 1.0	40.0	17.7	22.5	51.7	36.1	28.1	34.4
25	M37 x 1.0	43.5	18.4	22.9	53.2	37.6	31.3	36.6

Example: JVSA09P00C (angle 90°)

Type X - Cone clamp screened adaptor



Shell Size	A Thread	B Max	C Max	D Max	E Max	F Max	G	H Max
09	M12 x 1.0	18.0	13.1	24.6	22.7	26.5	6.8	16.0
11	M15 x 1.0	21.0	13.9	25.4	26.2	28.2	9.5	19.0
13	M18 x 1.0	24.5	14.5	26.3	29.2	29.7	12.8	22.0
15	M22 x 1.0	27.5	15.5	26.7	32.2	31.2	14.8	25.4
17	M25 x 1.0	31.0	16.1	27.5	35.7	32.9	17.9	28.5
19	M28 x 1.0	34.0	16.8	27.8	39.7	34.5	20.0	32.0
21	M31 x 1.0	37.0	17.1	28.6	42.2	36.1	23.0	35.0
23	M34 x 1.0	40.0	17.7	29.5	45.2	37.6	26.4	38.0
25	M37 x 1.0	43.5	18.4	29.9	48.2	39.1	29.3	41.0

Example: JVSA09X00B (angle 45°)

Note: All dimensions are in millimeters (mm)

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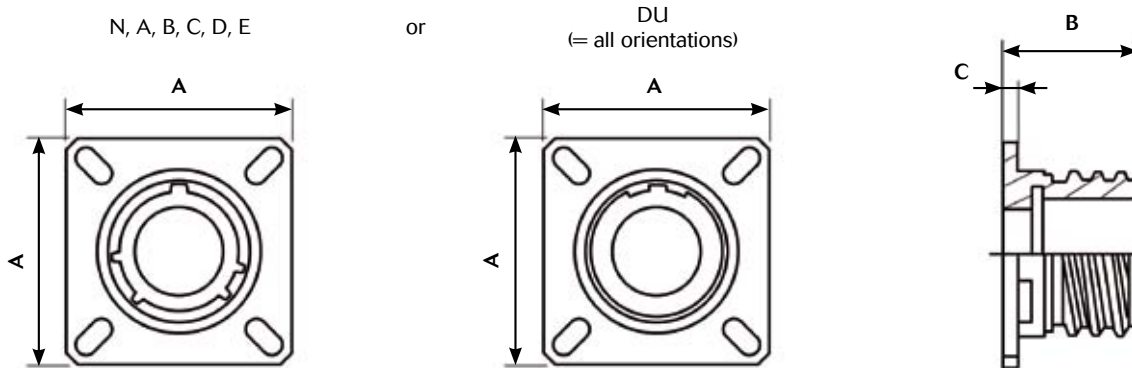
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Dummy receptacle

Orientations & dimensions

Orientations:

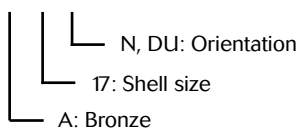


Shell size	9	11	13	15	17	19	21	23	25
A ^{+0.3} _{-0.3}	23.8	26.2	28.6	31	33.3	36.5	39.7	42.9	46
B maxi	24.2	24.2	24.2	24.2	24.2	24.2	24.1	24.1	24.1
C maxi	2.5	2.5	2.5	2.5	2.5	2.5	3.2	3.2	3.2

Examples of Part Number:

. JVS BN 02 A 17 N

. JVS BN 02 A 17 DU



Equivalent to CECC blind hole. For information only: CECC75201002AxA00A (x = shell size A, B, C, D, ...)

CECC75201002EA00A (blind hole) = JVSBN02A17DU (through hole)

(no correspondance CECC with N, A, B, C, D, E orientations)

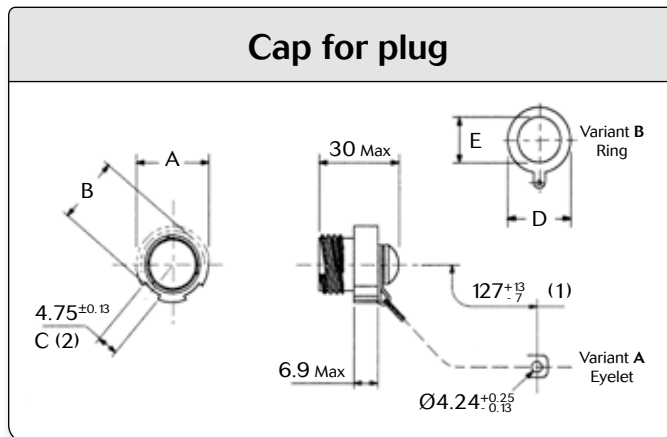
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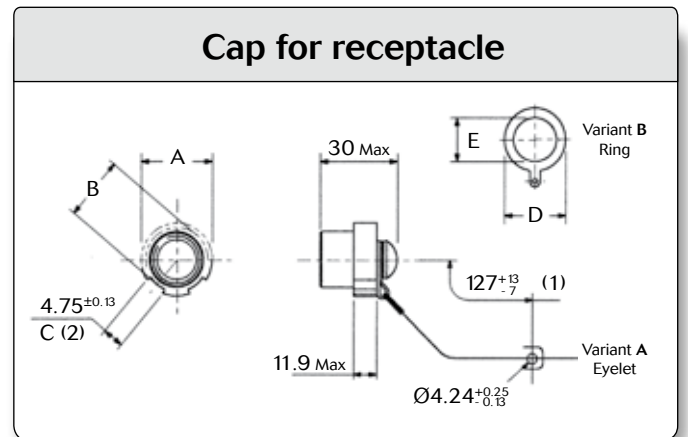


Caps

Basic Series	JVS	B	09	B	00	A
Accessory style:	B: Protective cap					
Shell size:	09, 11, 13, 15, 17, 19, 21, 23, 25					
Variant:	A: Cap for plug with eyelet (see drawing below) B: Cap for plug with ring (see drawing below) C: Cap for receptacle with eyelet (see drawing below) D: Cap for receptacle with ring (see drawing below)					
Sub variant:	Not applicable					
Material:	A: Bronze					



(1) Flexible metal link - (2) Number of notch on A diameter



(1) Flexible metal link - (2) Number of notch on A diameter

Shell size	A Max	B Max	C	Cap for Plug		Cap for Receptacle	
				D Max	E Min	D Max	E Min
09 (A)	21.1	19.20	8	24.20	13.50	26.80	18.40
11 (B)	23.8	21.80		26.80	18.40	31.60	23.00
13 (C)	28.2	26.10	10	30.50	19.80	36.90	26.20
15 (D)	31.4	29.30		31.60	23.00	40.10	29.40
17 (E)	36.5	34.40	12	36.90	26.20	43.20	32.50
19 (F)	39.3	37.20		40.10	29.40	46.40	35.70
21 (G)	42.5	40.50	16	43.20	32.50	49.20	39.10
23 (H)	45.3	43.10		46.40	35.70	52.80	42.10
25 (J)	48.4	46.10		49.20	39.10	55.50	45.30

Equivalent to CECC, for information CECC75201002Bxy00A (x = shell size, y = variant)

Example: CECC75201002BAC00A = JVSB09C00A

Note: All dimensions are in millimeters (mm)