

CAC406C(BC6C)	mm	青銅一般標準材	丸棒・丸管
比重(Specific gravity) $\rho=8.95$	ミリサイズ	Standard Sizes in bronze	Solid round & Hollow bars



主成分 Major elements	Cu 85 Pb5 Sn5 Zn5	相等材 Nearest applicable
機械的性質 Mechanical properties	Ts 245N/mm ² min. E 15%min.	C83600, RG5 LG2, CC491K

鑄放長尺品・切断品販売 As castings

Long stocking sizes and cut-products are available

標準在庫サイズ(L=3070(+30/-20)mm)

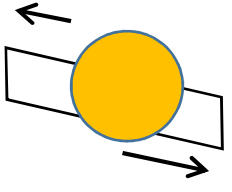
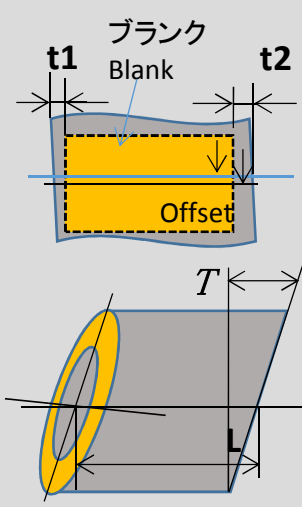
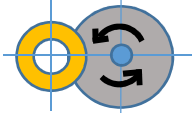
呼称外径 Nominal O.D sizes	内外径公差 Tolerance of I.D and O.D	曲がり Straightness
$\phi 20 \sim \phi 75\text{mm}$	$\pm 0.3\text{mm}$	2mm/1000mm
$\phi 80 \sim \phi 130\text{mm}$	$\pm 0.4\text{mm}$	
$\phi 140 \sim \phi 300\text{mm}$	$\pm 1.0\text{mm}$	

code	呼称	納入	単重(Unit weight) ¹⁾	
	Nominal 外径 ϕ O.D	Delivery	Kgs/m	Kgs/ 3070mm
0200	20	21.0	3.10	9.51
:	25	26.0	4.75	14.58
:	30	31.0	6.75	20.73
:	35	36.0	9.11	27.95
:	40	41.0	11.81	36.26
:	45	46.2	15.00	46.04
:	50	51.5	18.42	56.54
:	55	56.5	22.43	68.85
:	60	61.5	26.57	81.58
:	65	66.5	31.07	95.38
:	70	71.5	35.92	110.27
:	75	76.5	41.12	126.23
:	80	81.7	46.90	143.97
:	85	87.0	52.81	162.13
:	90	91.7	59.08	181.37
:	95	97.0	66.11	202.94
:	100	102.0	73.10	224.40
:	105	107.0	80.44	246.94
:	110	112.0	88.13	270.56
:	115	117.0	96.18	295.26
:	120	122.0	104.57	321.03
:	125	127.5	114.21	350.63
:	130	132.5	123.35	378.67
:	140	143.0	143.67	441.07
:	150	153.0	164.47	504.92
:	160	163.0	186.76	573.08
:	180	183.0	235.29	722.34
:	200	203.0	289.52	888.83
:	250	253.5	451.49	1386.07
:	300	303.5	647.2	1986.78

code	呼称(Nominal)		納入(Delivery)		単重(Unit weight) ¹⁾	
	外径 ϕ O.	内径 ϕ I.D	外径 ϕ O.	内径 ϕ I.D	Kgs/m	Kgs/ 3070mm
0210	30 x	15	31.0 x	13.6	5.45	16.74
:	x	20	31.0 x	18.6	4.32	13.27
:	35 x	15	36.0 x	13.6	7.81	23.96
:	x	20	36.0 x	18.6	6.67	20.49
:	x	25	36.0 x	23.6	5.19	15.94
:	40 x	20	41.0 x	18.6	9.38	28.80
:	x	25	41.0 x	23.6	7.90	24.24
:	x	30	41.0 x	28.6	6.06	18.61
:	45 x	20	46.2 x	18.6	12.57	38.58
:	x	25	46.2 x	23.6	11.08	34.02
:	x	30	46.2 x	28.6	9.25	28.40
:	x	35	46.2 x	33.6	7.06	21.69
:	50 x	20	51.5 x	18.6	15.99	49.08
:	x	25	51.5 x	23.6	14.50	44.53
:	x	30	51.5 x	28.6	12.67	38.90
:	x	35	51.5 x	33.6	10.49	32.19
:	x	40	51.5 x	38.6	7.95	24.40
:	55 x	25	56.5 x	23.6	18.51	56.84
:	x	30	56.5 x	28.6	16.68	51.21
:	x	35	56.5 x	33.6	14.50	44.50
:	x	40	56.5 x	38.6	11.96	36.72
:	60 x	30	61.5 x	28.6	20.83	63.94
:	x	35	61.5 x	33.6	18.64	57.23
:	x	40	61.5 x	38.6	16.11	49.44
:	x	45	61.5 x	43.2	13.46	41.33
:	x	50	61.5 x	48.2	10.25	31.47
:	65 x	30	66.5 x	28.6	25.32	77.74
:	x	35	66.5 x	33.6	23.14	71.03
:	x	40	66.5 x	38.6	20.60	63.24
:	x	45	66.5 x	43.2	17.96	55.13
:	x	50	66.5 x	48.2	14.75	45.27

¹⁾ 単重 = 平均単重です。Unit weight is based on average one

斜切り許容限度(T)及び必要な余長(t1+t2)をご確認願います。 Diagonal cut limit(T) and Additional stock allowances(t1+t2)

切断条件 Cutting terms	呼称外径 Nominal O.D	余長 t1+t2	公差 Allowances	T 斜切り許容限度 (mm) Diagonal cut limits (mm)	
				L 切断長さ(Cutting length)	
バンドソー Band saw					
	φ 20~φ 50	+2.0	±1.0	$L \leq 1000\text{mm}$ $T = \phi \text{ O.D} \times 1.5\%$ $L > 1000\text{mm}$ $T = \phi \text{ O.D} \times 2.5\%$	
	~φ 80	+3.0			
	~φ 130	+4.0			
	~φ 180	+5.0			
	~φ 200	+5.5			
	~φ 250	+6.0			
~φ 300	+7.5				
高速カッター Segment saw					
	φ 20~φ 50	+1.0	±0.3	スライス切断のみ Slicing work only $T = \phi \text{ O.D} \times 0.7\%$	
	~φ 80	+1.3			
	~φ 90	+1.6			
	~φ 125	+2.0			

code	呼称(Nominal)		納入(Delivery)		単重(Unit weight) ¹⁾	
	外径 φ O.D	内径 φ I.D	外径 φ O.D	内径 φ I.D	Kgs/m	Kgs/ 3070mm
0210	65 x	55	66.5 x	53.2	11.19	34.35
:	70 x	35	71.5 x	33.6	27.99	85.93
:	x	40	71.5 x	38.6	25.45	78.13
:	x	45	71.5 x	43.2	22.81	70.03
:	x	50	71.5 x	48.2	19.59	60.14
:	x	55	71.5 x	53.2	16.03	49.21
:	75 x	35	76.5 x	33.6	33.18	101.86
:	x	40	76.5 x	38.6	30.65	94.10
:	x	45	76.5 x	43.2	28.00	85.96
:	x	50	76.5 x	48.2	24.79	76.11
:	x	55	76.5 x	53.2	21.23	65.18
:	80 x	40	81.7 x	38.6	36.43	111.84
:	x	45	81.7 x	43.2	33.78	103.70
:	x	50	81.7 x	48.2	30.57	93.85
:	x	55	81.7 x	53.2	27.01	82.92
:	x	60	81.7 x	58.2	23.10	70.92
:	85 x	40	86.7 x	38.6	42.34	129.98
:	x	50	86.7 x	48.2	36.49	112.02
:	x	55	86.7 x	53.2	32.93	101.10
:	90 x	40	91.7 x	38.6	48.61	149.23
:	x	50	91.7 x	48.2	42.76	131.27
:	x	60	91.7 x	58.2	35.28	108.31
:	x	70	91.7 x	68.2	26.40	81.05
:	95 x	45	97.0 x	43.2	52.99	162.68
:	x	65	97.0 x	63.2	38.04	116.78
:	100 x	40	102.0 x	38.6	62.63	192.27
:	x	50	102.0 x	48.2	56.77	174.28
:	x	60	102.0 x	58.2	49.30	151.35
:	x	70	102.0 x	68.2	40.42	124.09
:	x	75	102.0 x	73.0	35.66	109.48
:	105 x	65	107.0 x	63.2	52.38	160.81

code	呼称(Nominal)		納入(Delivery)		単重(Unit weight) ¹⁾	
	外径 φ O.D	内径 φ I.D	外径 φ O.D	内径 φ I.D	Kgs/m	Kgs/ 3070mm
0210	105 x	70	107.0 x	68.2	47.76	146.62
:	110 x	60	112.0 x	58.2	64.33	197.49
:	x	70	112.0 x	68.2	55.45	170.23
:	x	85	112.0 x	82.6	40.20	123.41
:	x	90	112.0 x	87.6	34.22	105.06
:	115 x	65	117.0 x	63.2	68.11	209.10
:	120 x	60	122.0 x	58.2	80.77	247.96
:	x	80	122.0 x	78.0	61.83	189.82
:	x	90	122.0 x	87.6	50.66	155.53
:	x	100	122.0 x	97.6	37.65	115.59
:	125 x	65	127.5 x	63.2	86.15	264.48
:	130 x	80	132.5 x	78.0	80.60	247.44
:	x	100	132.5 x	97.6	56.42	173.21
:	140 x	70	143.0 x	67.5	111.66	342.80
:	x	90	143.0 x	87.2	90.25	277.19
:	x	110	143.0 x	107.2	62.93	193.20
:	150 x	80	153.0 x	77.5	122.27	375.37
:	x	100	153.0 x	97.2	98.09	301.14
:	x	120	153.0 x	117.0	68.29	209.65
:	160 x	100	163.0 x	97.2	120.29	369.29
:	x	120	163.0 x	117.0	90.49	277.80
:	x	130	163.0 x	127.0	73.35	225.18
:	170 x	140	173.0 x	137.0	78.41	240.72
:	180 x	140	183.0 x	137.0	103.42	317.50
:	x	160	183.0 x	157.0	62.11	190.68
:	200 x	100	203.0 x	97.2	223.15	685.07
:	x	160	203.0 x	157.0	116.35	357.19
:	250 x	150	253.5 x	146.5	300.70	923.15
:	300 x	180	303.5 x	176.5	428.29	1314.85

¹⁾ 単重 = 平均単重です。Unit weight is based on average one

CAC702C (A2BC2C)
CAC703C (A2BC3C)
アルミニウム青銅一般標準材
丸棒・丸管
比重(Specific gravity) $\rho=7.65$

Standard Sizes in Aluminium bronze

Solid round &
Hollow bars
鋳放長尺品・切断品販売 (標準在庫サイズL=3070(+30/-20)mm)

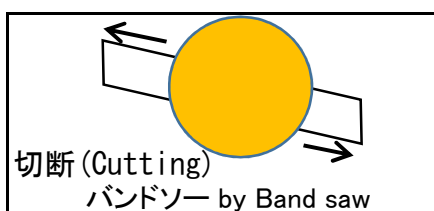
Long stocking sizes and cut-products are available

As castings	702C(A2BC2C)	703C(A2BC3C)
主成分 Major elements	Cu 84 Al9 Ni2 Fe4 Mn 1	Cu 80 Al9 Ni5 Fe5 Mn1
機械的性質 Mechanical property	Ts 540N/mm ² min HB 120min,E 15%min	Ts 610N/mm ² min HB 160min,E 12%min
相等材 Nearest applicable	C95400 CuAl9Ni(CC332G)	C95800,AB2 CuAl10Ni(CC333G)
曲がり Straightness	3mm/1000mm	

CAC702C (A2BC2C)
CAC703C (A2BC3C)

code	呼称 Nominal size		納入 (Delivery)		単重 ¹⁾ Kgs/m
	ϕ O. D	ϕ I. D	外径 ϕ O. D	内径 x ϕ I. D	
0620	25	x -	27.5 ± 0.3	x -	4.54
:	35	x -	37.5 ± 0.3	x -	8.44
0621	35	x 19	37.5 ± 0.3	x 16.5 ± 0.3	6.81
0620	42	x -	44.5 ± 0.3	x -	11.89
0621	42	x 19	44.5 ± 0.3	x 16.5 ± 0.3	10.26
0620	45	-	47.5 ± 0.3	x -	13.55
0621	45	x 25	47.5 ± 0.3	x 22.5 ± 0.3	10.51
0620	51	x -	53.5 ± 0.4	x -	17.19
0621	51	x 19	53.5 ± 0.4	x 16.5 ± 0.4	15.55
0620	65	x -	67.5 ± 0.4	x -	27.36
0621	65	x 25	67.5 ± 0.4	x 22.5 ± 0.4	24.32
0620	76	x -	78.5 ± 0.4	x -	37.01
0621	76	x 38	78.5 ± 0.4	x 35.5 ± 0.4	29.44
:	76	x 50	78.5 ± 0.4	x 47.5 ± 0.4	23.46
0620	90	x -	93.0 ± 0.4	x -	51.94
0621	90	x 38	93.0 ± 0.5	x 35.5 ± 0.5	44.37
:	90	x 50	93.0 ± 0.5	x 47.5 ± 0.5	38.39
0620	102	x -	105.0 ± 0.5	x -	66.21
0621	102	x 50	105.0 ± 0.5	x 47.5 ± 0.5	52.66
0620	125	x -	128.0 ± 0.5	x -	98.39
0621	125	x 75	128.0 ± 0.5	x 72.0 ± 0.5	67.26
0620	150	x -	153.5 ± 0.6	x -	141.50
0621	150	x 75	153.5 ± 0.6	x 72.0 ± 0.6	110.37

code	呼称 Nominal size		納入 (Delivery)		単重 ¹⁾ Kgs/m
	ϕ O. D	ϕ I. D	外径 ϕ O. D	内径 x ϕ I. D	
0631	50	x 35	53.5 ± 0.4	x 32.0 ± 0.4	11.04
:	63	x 50	66.0 ± 0.4	x 47.0 ± 0.4	12.89
:	75	x 60	78.0 ± 0.4	x 57.0 ± 0.4	17.02
:	124	x 110	130.0 ± 0.5	x 104.0 ± 0.5	36.54
:	151	x 135	156.0 ± 0.6	x 130.0 ± 0.5	44.66



斜切り許容限度(T)及び必要な余長($t1+t2$)をご確認願います。
Diagonal cut limit(T) and Additional stock allowances($t1+t2$)
切断条件は 3ページのものをご参照願います。
Cutting terms are shown in 3 page in this list.

¹⁾ 単重(Unit weight)=平均単重です。Unit weight is beased on average one

CAC502C (PBC2C)

比重(Specific gravity) $\rho=8.85$

りん青銅一般標準材

Standard Sizes in Phosphor bronze

丸棒・丸管

Solid round & Hollow bars



主成分 Major elements	Cu 89 Sn10.5 P0.05~0.5	相等材 Nearest applicable
機械的性質 Mechanical properties	Ts 295N/mm ² min. HB 80min ,E 10%min.	C90700,PB4 CuSn12(CC480K)

鑄放長尺品・切断品販売 As castings

Long stocking sizes and cut-products are available

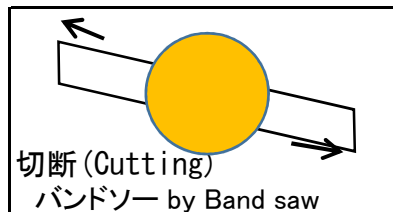
標準在庫サイズ(L=2170(+30/-20)mm)

呼称外径 Nominal O.D sizes	内外径公差 Tolerance of I.D and O.D	曲がり Straightness
$\phi 20 \sim \phi 75\text{mm}$	$\pm 0.3\text{mm}$	2mm/1000mm
$\phi 80 \sim \phi 130\text{mm}$	$\pm 0.4\text{mm}$	
$\phi 140 \sim \phi 160\text{mm}$	$\pm 1.0\text{mm}$	

code	呼称 Nominal	納入 Delivery	単重(Unit weight) ¹⁾	
			Kgs/m	Kgs /2170mm
外径 ϕ O.D				
0500	20	21.0	3.06	6.64
:	25	26.0	4.70	10.20
:	30	31.0	6.68	15.50
:	35	36.0	9.00	19.53
:	40	41.0	11.68	25.35
:	45	46.2	14.83	32.18
:	50	51.2	18.21	39.52
:	55	56.5	22.18	48.13
:	60	61.5	26.28	57.03
:	65	66.5	30.72	66.67
:	70	71.5	35.52	77.08
:	80	81.7	46.37	100.62
:	90	91.7	58.42	126.77
:	100	102.0	72.28	156.85
:	110	112.0	87.15	189.12
:	120	122.0	103.40	224.38
:	130	132.5	121.97	264.67
:	140	143.0	142.06	308.27
:	150	153.0	162.63	352.91
:	160	163.0	184.58	400.54

code	呼称(Nominal)		納入(Delivery)		単重(Unit weight) ¹⁾	
	外径 ϕ O.D	内径 ϕ I.D	外径 ϕ O.D	内径 ϕ I.D	Kgs/m	Kgs /2170mm
0510	30 x	15	31.0 x	13.6	5.39	11.70
:	x	20	31.0 x	18.6	4.27	9.27
:	35 x	20	36.0 x	18.6	6.60	14.32
:	40 x	20	41.0 x	18.6	9.27	21.12
:	45 x	20	46.2 x	18.6	12.43	26.97
:	x	30	46.2 x	28.6	9.15	19.86
:	50 x	20	51.2 x	18.6	15.81	34.31
:	x	30	51.2 x	28.6	12.53	27.19
:	x	40	51.2 x	38.6	7.86	17.06
:	55 x	25	56.5 x	23.6	18.31	39.73
:	60 x	30	61.5 x	28.6	20.59	44.62
:	70 x	35	71.5 x	33.6	27.67	60.04
:	80 x	40	81.7 x	38.6	36.02	78.16
:	90 x	40	91.7 x	38.6	48.07	104.31
:	100 x	50	102.0 x	48.3	56.07	121.67
:	110 x	70	112.0 x	68.2	54.83	118.98
:	120 x	60	122.0 x	58.2	79.87	173.32
:	140 x	70	143.0 x	67.5	110.41	239.59
:	160 x	80	163.0 x	77.5	142.85	309.98

斜切り許容限度(T)及び必要な余長($t1+t2$)をご確認願います。
 Diagonal cut limit(T) and Additional stock allowances($t1+t2$)
 切断条件は4ページのものをご参照願います。
 Cutting terms are shown in 4 page in this list.



¹⁾ 単重(Unit weight)=平均単重です。Unit weight is based on average one