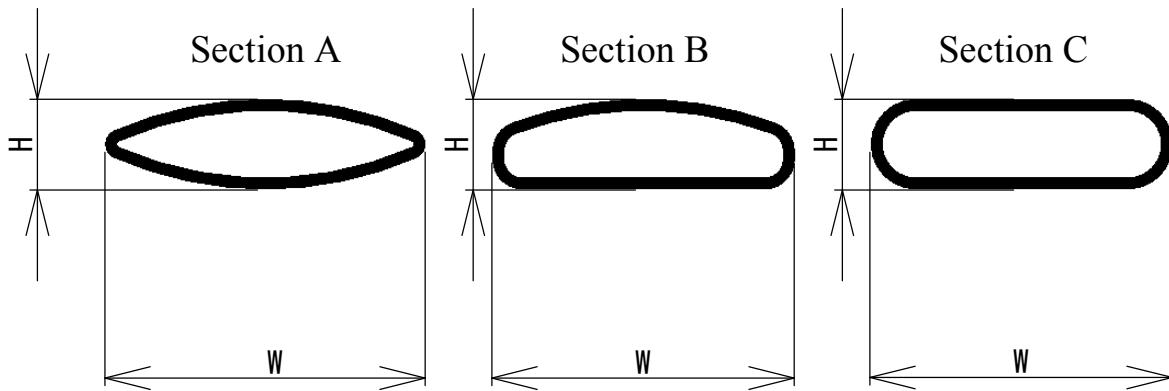


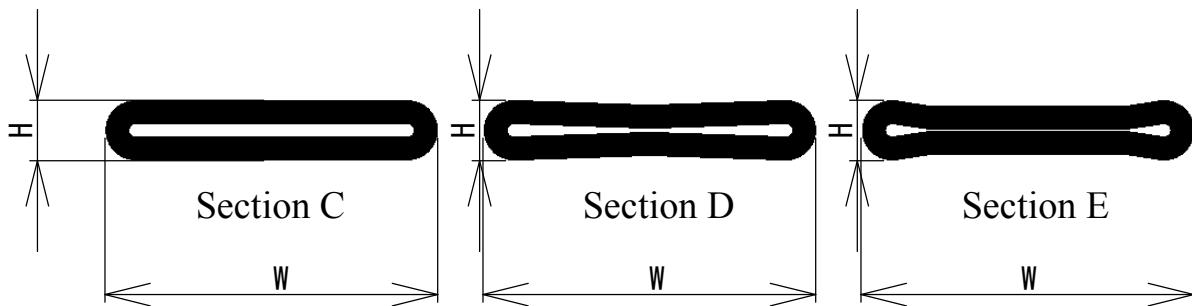
Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges

The Cross Section of Bourdon Tube for Pressure Gauge



The Cross Section of Bourdon Tube for Thermometer

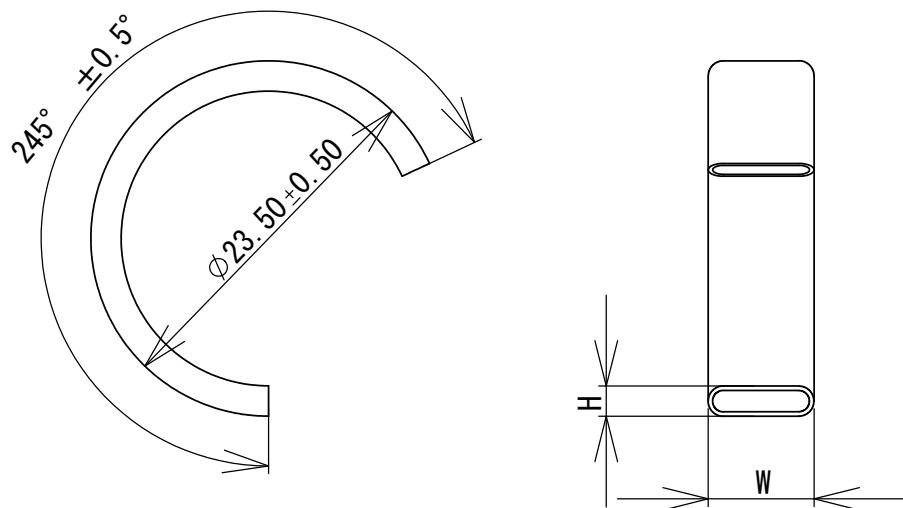


Parts Name: C-Type Bourdon Cross Section	Material:	Drawn: Kaz Miyasaka Date:
Drawing No. CS		
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (2:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.30\text{mm}$	$\pm 0.20\text{mm}$	$\pm 0.20\text{mm}$			$\pm 0.30\text{mm}$	$\pm 0.20\text{mm}$	$\pm 0.20\text{mm}$
					0-1.5	B/C	6.60	2.10	1.5
					0-1.0	B/C	6.80	2.10	1.5
					0-0.7	B/C	7.00	2.00	1.5
					0-0.6	B/C	6.90	2.00	1.5
					0-0.4	B/C	7.00	2.00	1.5
					0-0.3	B/C	7.10	2.00	1.5
					0-0.2	B/C	7.35	2.00	1.5

Parts Name:
C-Type Bourdon Tube 24 mm OD

Material:

C5191
CuSn6

Drawn: Kaz Miyasaka

Date: 2003/08/26

Drawing No.
C24

Proprietary and Confidential

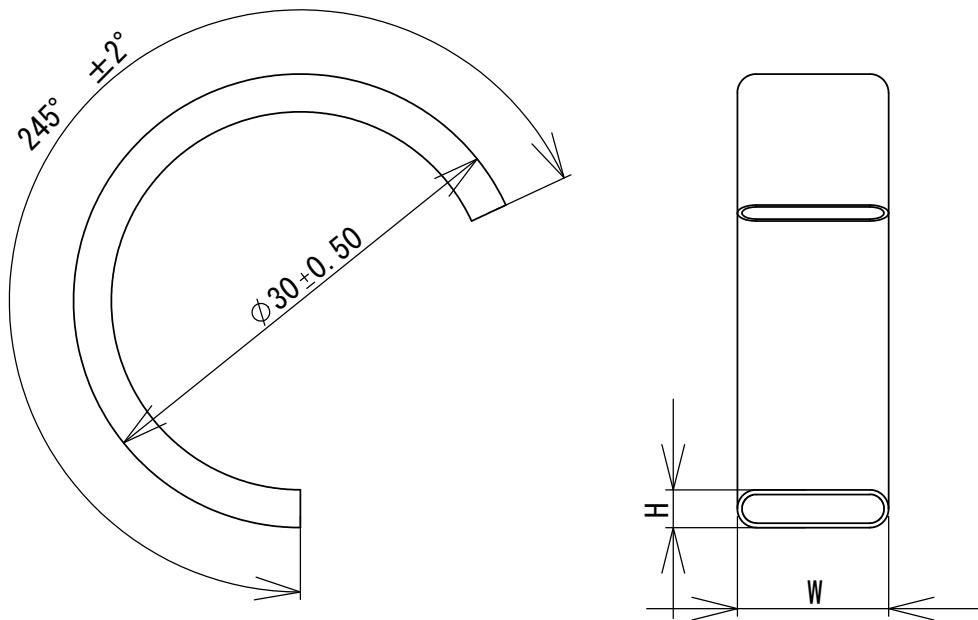
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	



Debur and Break Sharp Edges



Scale (2:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.20\text{mm}$	$\pm 0.20\text{mm}$	$\pm 0.15\text{mm}$			$\pm 0.20\text{mm}$	$\pm 0.20\text{mm}$	$\pm 0.15\text{mm}$
					0-4.0	B/C	9.8	2.6	3.0
					0-2.5	B/C	9.8	2.6	3.0
					0-1.6	B	10.0	2.6	3.0
					0-1.0	B	10.2	2.6	3.0
					0-0.6	B	10.2	2.4	3.0
					0-0.4	B	10.2	2.4	3.0
					0-0.25	B	10.1	2.3	3.0
					0-0.16	A/B			3.0
					0-0.1	A	10.7	2.0	3.0

Parts Name:

C-Type Bourdon Tube 30 mm OD

Material:

C2680 (C2300 C5191)
CuZn35 (CuZn15 CuSn6)

Drawn:

Kaz Miyasaka

Date: 2003/08/26

Drawing No.
C30

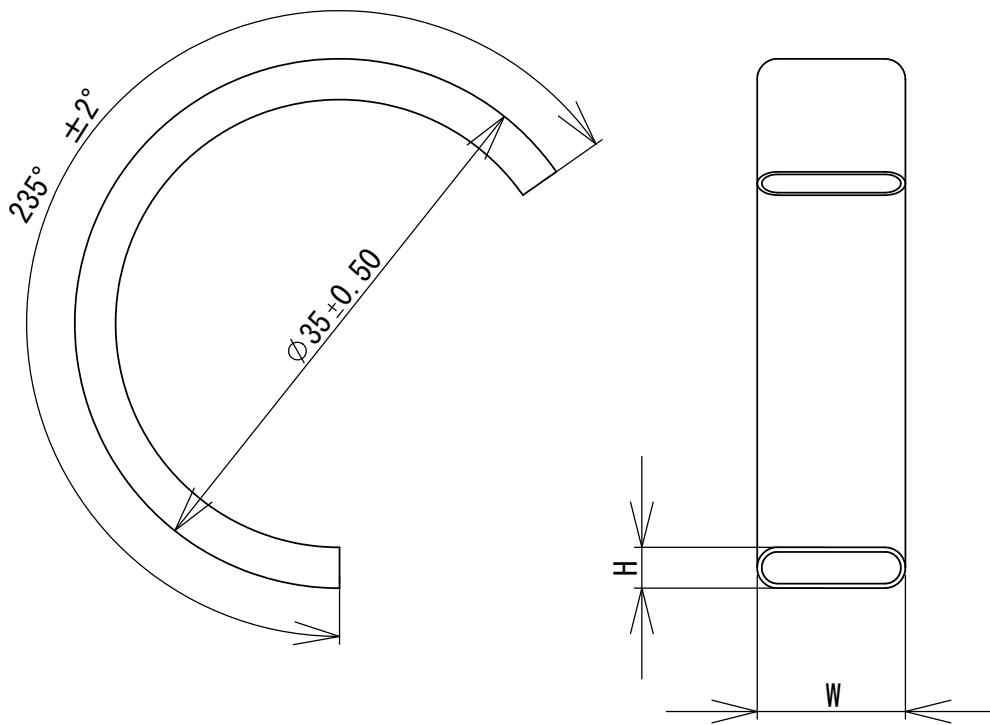
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (2:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.15\text{mm}$			$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.15\text{mm}$
					0-1.0	B	9.8	2.7	2.4
					0-0.7	B	9.9	2.6	2.4
0-3.5	B/C	9.6	2.6	2.4	0-0.6	B	9.9	2.6	2.4
0-3.1	B/C	9.5	2.8	2.4	0-0.5	B	9.9	2.5	2.4
0-2.65	B/C	9.5	2.6	2.4	0-0.4	B	9.9	2.5	2.4
0-2.5	B/C	9.6	2.7	2.25	0-0.3	B	9.8	2.7	2.4
0-2.2	B/C	9.6	2.9	2.4	0-0.25	B	9.9	2.6	2.4
0-2.0	B/C	9.6	2.8	2.4	0-0.2	A	10.5	2.8	2.4
0-1.6	B/C			2.4	0-0.16	A	10.5	2.8	2.4
0-1.5	B/C	9.6	2.7	2.4	0-0.1	A	10.6	2.8	2.4
0-1.1	B			2.4	0-0.05	A			

Parts Name:
C-Type Bourdon Tube 35 mm OD

Material:
C2680 (C2300 C5191)
CuZn35 (CuZn15 CuSn6)

Drawn: Kaz Miyasaka
Date: 2003/08/26

Drawing No.
C35

Proprietary and Confidential

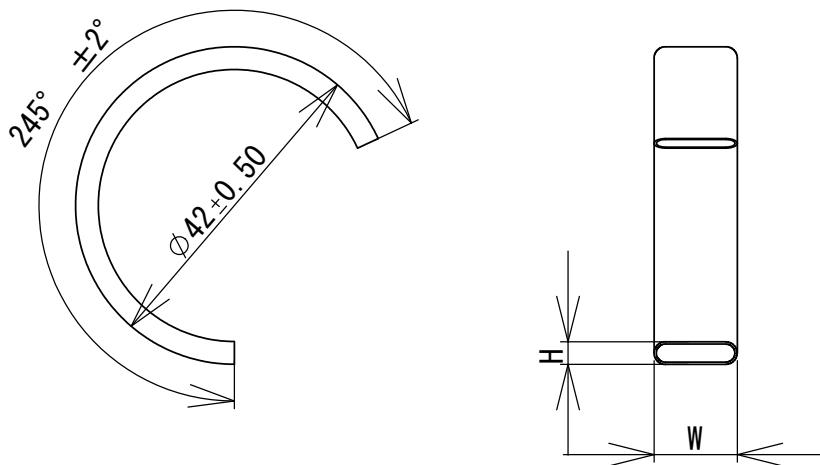
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	



Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.20\text{mm}$			$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.20\text{mm}$
					0-1.0	B/C	11.1	3.0	2.5
0-5.0	B/C	9.3	3.1	2.5	0-0.7	B/C	11.1	2.9	2.5
0-4.0	B/C	9.3	3.0	2.5	0-0.6	B/C	11.1	3.0	2.5
0-3.5	B/C	9.5	3.1	2.5	0-0.5	B/C	11.1	3.0	2.5
0-3.0	B/C	9.4	2.9	2.5	0-0.4	B/C	11.1	2.7	2.5
0-2.5	B/C	9.5	3.1	2.5	0-0.3	B/C	11.4	2.7	2.5
0-2.1	B/C			2.5	0-0.25	B/C	11.5	2.7	2.5
0-2.0	B/C	11.1	3.1	2.5	0-0.2	B/C	11.4	2.8	2.5
0-1.6	B/C			2.5	0-0.16	A/B	11.8	2.6	2.5
0-1.5	B/C	11.0	3.0	2.5	0-0.1	A	13.2	3.2	2.5
0-1.1	B/C			2.5	0-0.05	A	13.6	3.4	2.5

Parts Name:
C-Type Bourdon Tube 42 mm OD

Material:
C2680 (C2300 C5191)
CuZn35 (CuZn15 CuSn6)

Drawn:
Kaz Miyasaka
Date:
2003/08/26

Drawing No.
C42

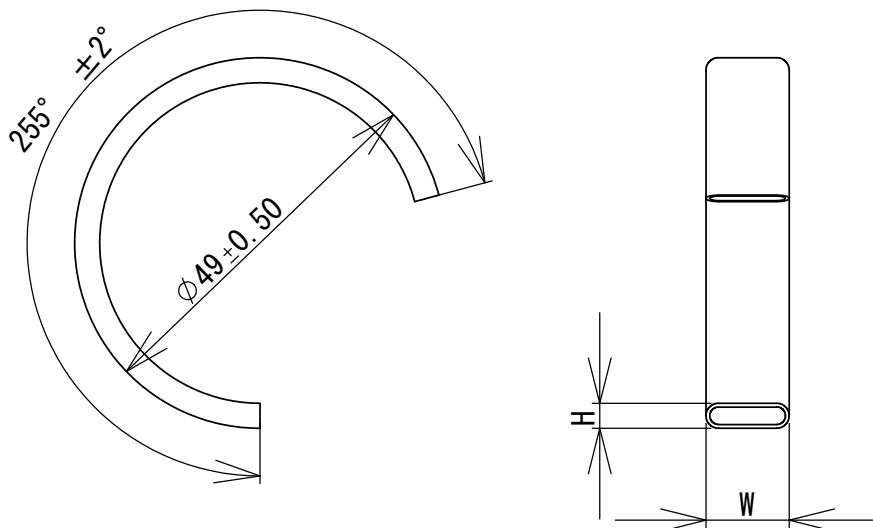
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.20\text{mm}$			$\pm 0.25\text{mm}$	$\pm 0.25\text{mm}$	$\pm 0.20\text{mm}$
0-6.0	B/C	11.9	3.9	3.0	0-1.0	B/C	10.9	3.2	3.0
0-5.0	B/C	10.6	3.4	3.0	0-0.7	B/C	11.1	2.9	3.0
0-4.0	B/C	10.9	3.4	3.0	0-0.6	B/C	11.1	3.2	3.0
0-3.5	B/C	10.7	3.4	3.0	0-0.5	B/C	11.1	3.1	3.0
0-3.0	B/C	10.7	3.4	3.0	0-0.4	B/C	11.0	3.1	3.0
0-2.5	B/C	9.3	3.2	3.0	0-0.3	B/C	11.2	3.2	3.0
0-2.1	B/C	10.6	3.3	3.0	0-0.25	B/C	11.5	3.1	3.0
0-2.0	B/C	10.9	3.3	3.0	0-0.2	B/C	11.5	3.1	3.0
0-1.6	B/C	10.8	3.3	3.0	0-0.16	A/B	13.1	3.5	3.0
0-1.5	B/C	10.8	3.3	3.0	0-0.1	A	13.3	3.3	3.0
0-1.1	B/C	10.8	3.3	3.0	0-0.05	A	13.4	3.3	3.0

Parts Name:

C-Type Bourdon Tube 49 mm OD

Material:

C2300 C2680 C5191
CuZn15 CuZn35 CuSn6

Drawn:

Kaz Miyasaka

Date:

2003/08/26

Drawing No.
C49

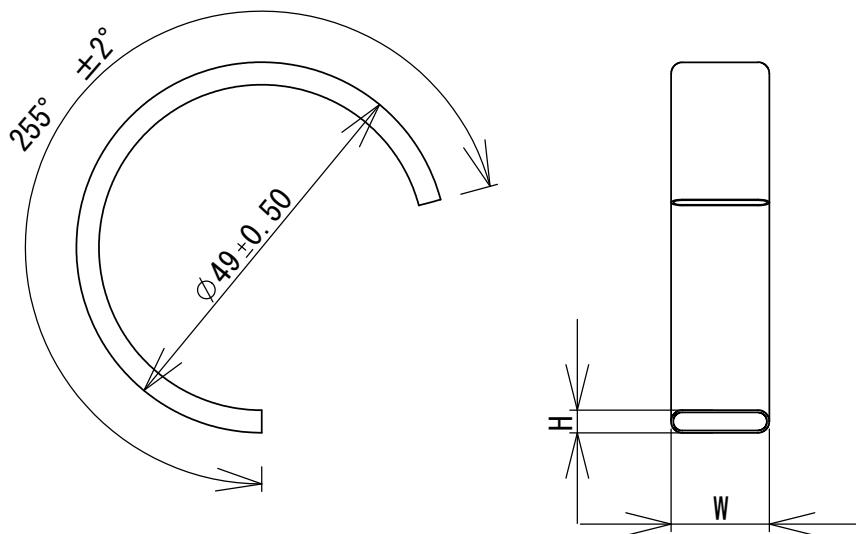
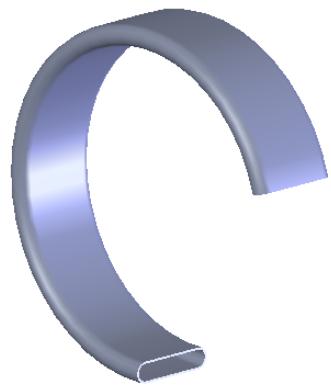
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W ±0.30mm	H ±0.30mm	Tip Travel ±0.25mm	Pressure Range (MPa)	Section Type	W ±0.30mm	H ±0.30mm	Tip Travel ±0.25mm
					0-1.0	C	12.8	3.1	3.0
					0-0.7	C	13.0	3.0	3.0
0-10.0	C			3.0	0-0.6	C	13.1	3.0	3.0
0-7.0	C			3.0	0-0.5	C	13.0	3.2	3.0
0-5.0	C	12.2	3.7	3.0	0-0.4	C	13.0	3.4	3.0
0-4.0	C			3.0	0-0.3	C	13.0	3.3	3.0
0-3.5	C	12.3	3.3	3.0	0-0.25	C	12.0	3.2	3.0
0-3.0	C	12.6	3.3	3.0	0-0.2	A/C	13.0	3.5	3.0
0-2.5	C	12.3	3.4	3.0	0-0.16	A/C	13.4	3.4	3.0
0-2.0	C	12.3	3.5	3.0	0-0.1	A/C	13.4	3.3	3.0
0-1.5	C	12.4	3.2	3.0	0-0.05	A/C	13.5	3.2	3.0

Parts Name:

C-Type Bourdon Tube 49 mm OD SS

Material:

SUS 316
AISI 316

Drawn:

Kaz Miyasaka

Date:

2004/11/26

Drawing No.
C49SS

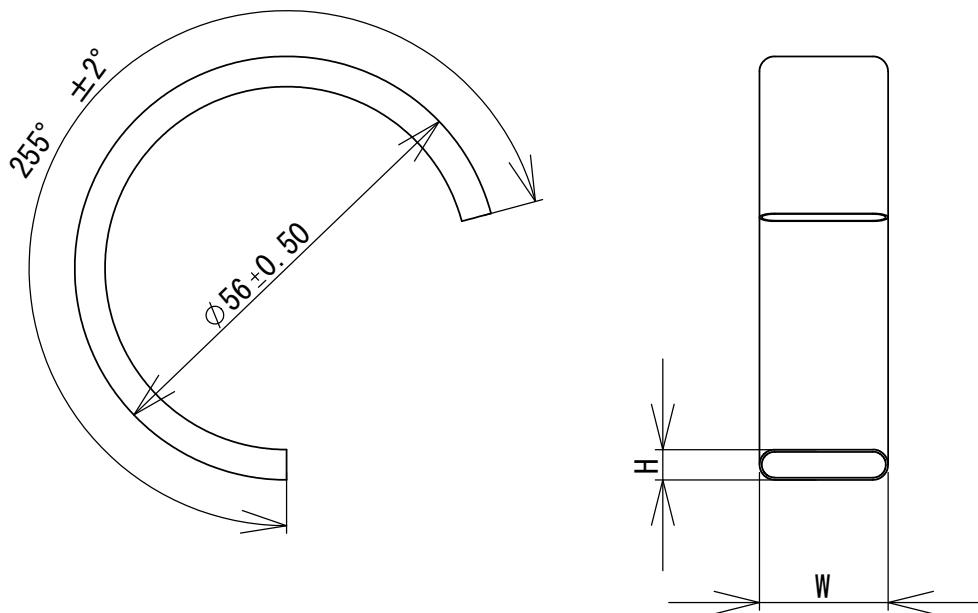
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$			$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$
					0-1.0	B	16.7	4.4	4.0
					0-0.7	B	17.1	3.7	4.0
0-5.0	B/C	13.3	4.5	4.0	0-0.6	B	17.2	3.7	4.0
0-4.0	B/C	13.5	4.4	4.0	0-0.5	B	17.0	3.9	4.0
0-3.5	B/C	13.4	4.5	4.0	0-0.4	B	17.3	4.0	4.0
0-3.0	B	13.3	4.2	4.0	0-0.3	B	17.0	4.2	4.0
0-2.5	B	13.3	4.2	4.0	0-0.25	B	17.3	3.6	4.0
0-2.0	B	13.3	4.1	4.0	0-0.2	B	17.7	3.6	4.0
0-1.6	B	13.5	4.2	4.0	0-0.16	B	17.7	3.5	4.0
0-1.5	B	13.5	4.00	4.0	0-0.1	B	17.3	3.7	4.0
0-1.1	B			4.0	0-0.05	A	16.8	4.3	4.0

Parts Name:

C-Type Bourdon Tube 56 mm OD

Material:

C2680 (C2300 C5191)
CuZn35 (CuZn15 CuSn6)

Drawn:

Kaz Miyasaka
Date: 2003/08/26

Drawing No.
C56

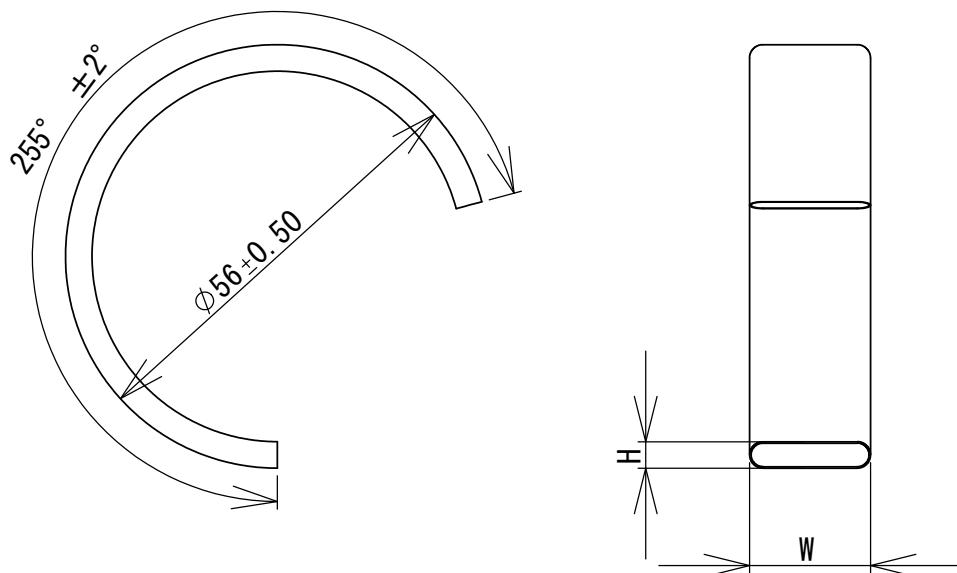
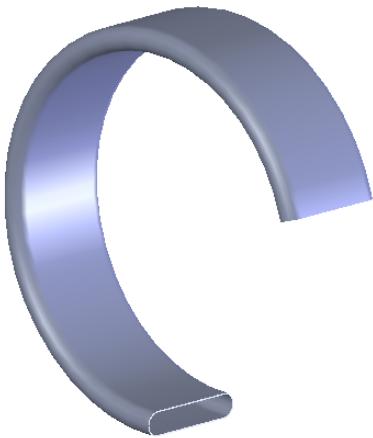
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



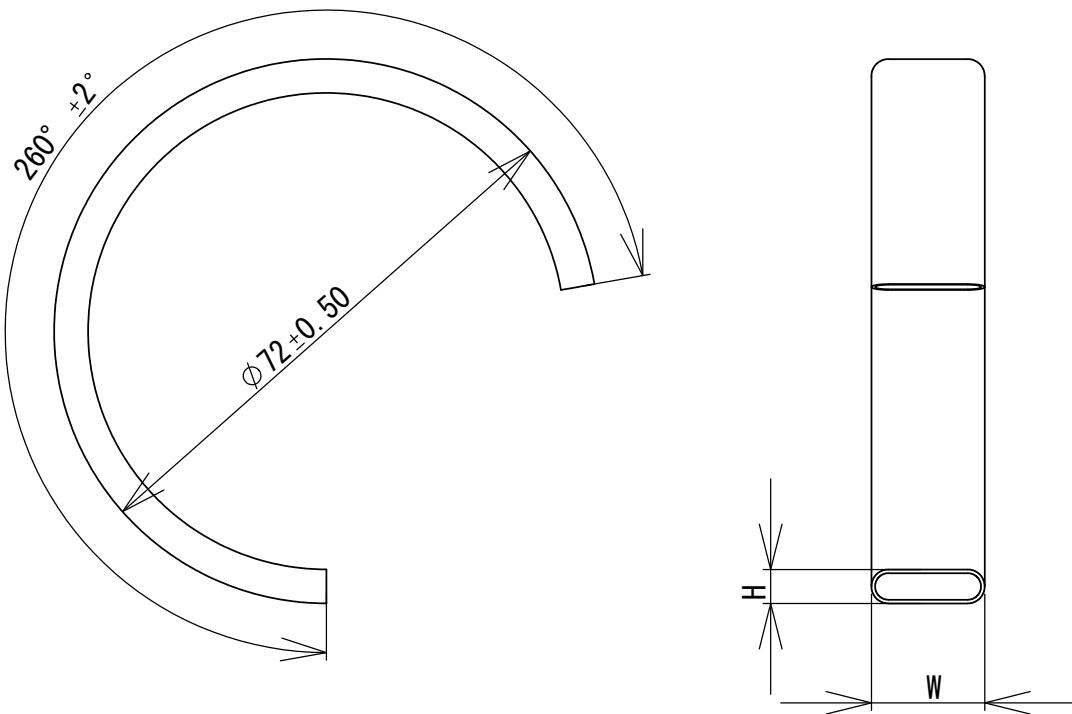
Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$			$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$
					0-1.0	C	16.3	4.6	4.0
					0-0.7	C	13.6	3.8	4.0
0-10.0	C	16.1	4.1	4.0	0-0.6	C	13.7	3.7	4.0
0-7.0	C	13.4	4.2	4.0	0-0.5	C	14.5	4.0	4.0
0-5.0	C	16.4	4.3	4.0	0-0.4	C	13.3	4.0	4.0
0-4.0	C	13.2	4.4	4.0	0-0.3	C	16.2	4.6	4.0
0-3.5	C	16.4	4.2	4.0	0-0.25	C	16.6	4.2	4.0
0-3.0	C	13.3	4.1	4.0	0-0.2	A	17.4	4.4	4.0
0-2.5	C	16.4	4.2	4.0	0-0.16	A	17.4	4.3	4.0
0-2.0	C	13.3	4.3	4.0	0-0.1	A	17.5	4.3	4.0
0-1.6	C	13.4	4.2	4.0	0-0.06	A	17.6	4.2	4.0

Parts Name: C-Type Bourdon Tube 56 mm OD SS	Material: SUS 316 AISI 316	Drawn: Kaz Miyasaka Date: 2004/11/26
Drawing No. C56SS	Proprietary and Confidential	
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$			$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$
0-6.0	B/C			4.8	0-1.0	B/C	16.5	4.8	4.8
0-5.0	B/C	13.1	5.3	4.8	0-0.7	B/C	16.9	4.4	4.8
0-4.0	B/C	13.1	5.3	4.8	0-0.6	B/C	16.5	4.5	4.8
0-3.5	B/C	12.9	5.3	4.8	0-0.5	B/C	16.7	4.4	4.8
0-3.0	B/C	12.9	4.1	4.8	0-0.4	B/C	16.7	4.1	4.8
0-2.5	B/C	12.9	5.1	4.8	0-0.3	B/C	16.7	4.2	4.8
0-2.1	B/C			4.8	0-0.25	B/C			4.8
0-2.0	B/C	10.7	5.1	4.8	0-0.2	B/C	17.1	4.0	4.8
0-1.6	B/C	12.9	4.8	4.8	0-0.15	B/C	17.4	3.9	4.8
0-1.5	B/C	13.0	4.8	4.8	0-0.1	A/B	17.4	3.9	4.8
0-1.1	B/C			4.8	0-0.05	A	18.0	4.00	4.8

Parts Name:
C-Type Bourdon Tube 72 mm OD

Material:

C2680
CuZn35

Drawn: Kaz Miyasaka

Date: 2003/08/26

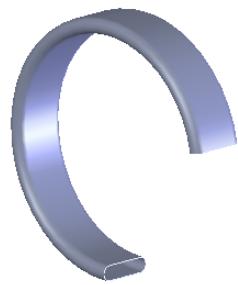
Drawing No.
C72

Proprietary and Confidential

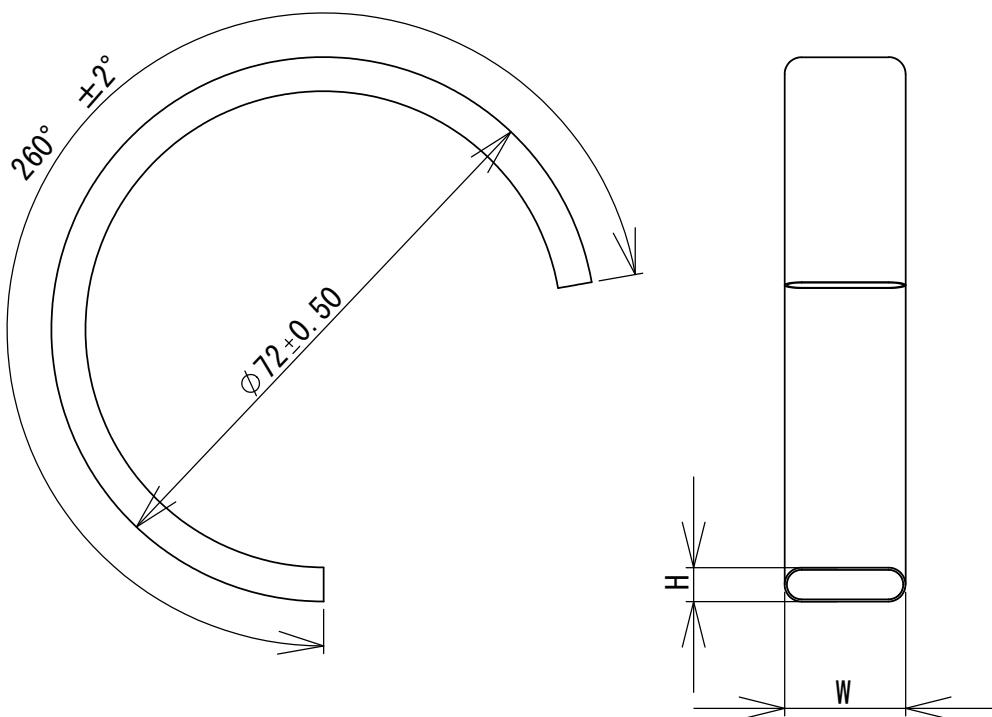
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	



Debur and Break Sharp Edges



Scale (1:1)

Pressure Range (MPa)	Section Type	W	H	Tip Travel	Pressure Range (MPa)	Section Type	W	H	Tip Travel
		$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$			$\pm 0.30\text{mm}$	$\pm 0.30\text{mm}$	$\pm 0.25\text{mm}$
					0-1.0	C	16.3	4.5	4.8
					0-0.7	C	16.2	4.7	4.8
0-10.0	C	16.7	5.0	4.8	0-0.6	C	16.6	4.1	4.8
0-7.0	C	16.0	5.0	4.8	0-0.5	C	13.3	4.2	4.8
0-5.0	C	12.9	4.9	4.8	0-0.4	C	13.1	4.6	4.8
0-4.0	C	16.1	4.8	4.8	0-0.3	C	16.5	4.2	4.8
0-3.5	C	16.5	4.3	4.8	0-0.25	C	16.5	5.4	4.8
0-3.0	C	15.9	5.0	4.8	0-0.2	A	16.9	5.4	4.8
0-2.5	C	16.4	5.4	4.8	0-0.16	A	16.9	5.4	4.8
0-2.0	C	15.9	5.0	4.8	0-0.1	A	16.8	5.4	4.8
0-1.6	C	15.8	5.4	4.8	0-0.06	A	17.1	5.1	4.8

Parts Name:

C-Type Bourdon Tube 72 mm OD SS

Material:

SUS 316
AISI 316

Drawn:

Kaz Miyasaka

Date:

2004/11/26

Drawing No.
C72SS

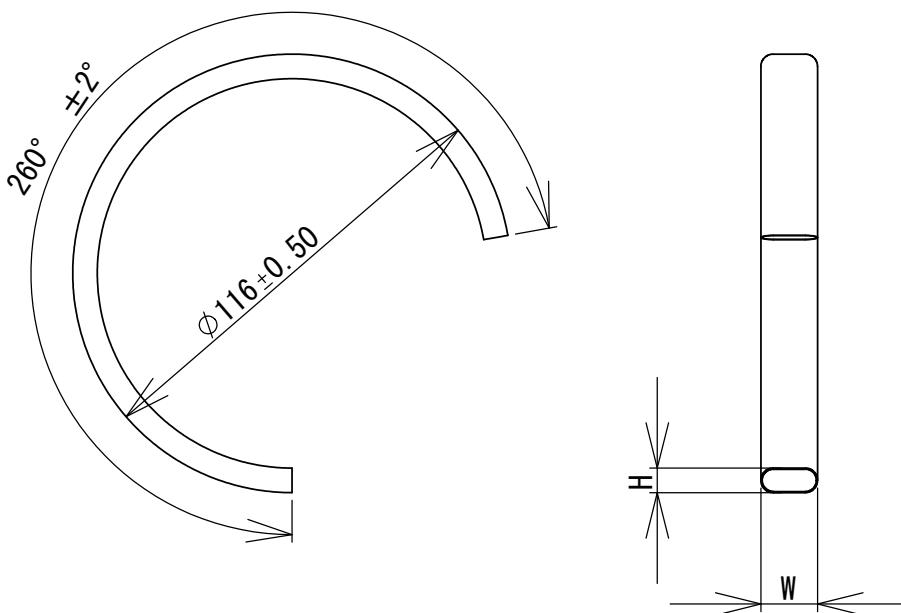
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:2)

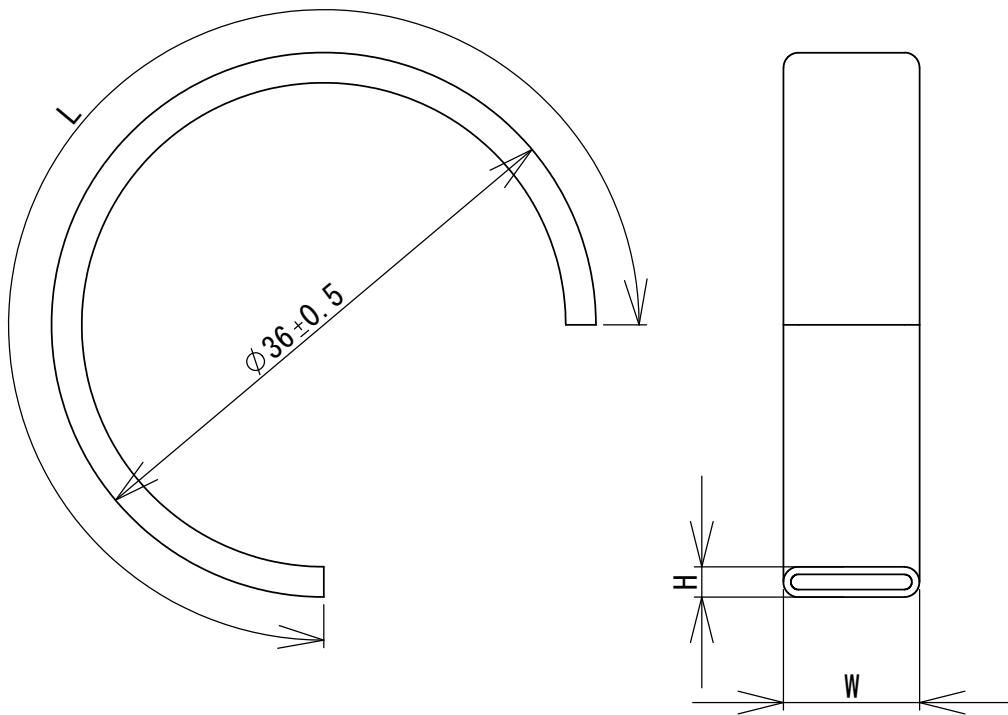
Pressure Range (MPa)	Section Type	W $\pm 0.30\text{mm}$	H $\pm 0.30\text{mm}$	Tip Travel $\pm 0.25\text{mm}$	Pressure Range (MPa)	Section Type	W $\pm 0.30\text{mm}$	H $\pm 0.30\text{mm}$	Tip Travel $\pm 0.25\text{mm}$		
					0-1.0	C	14.9	6.5	5.0		
					0-0.7	C	15.1	6.3	5.0		
0-10.0	C	16.4	5.8	5.0	0-0.6	C	16.5	5.8	5.0		
0-7.0	C	14.8	6.9	5.0	0-0.5	C	16.2	6.3	5.0		
0-5.0	C	16.4	5.9	5.0	0-0.4	C	16.4	5.8	5.0		
0-4.0	C	15.0	6.6	5.0	0-0.3	C	15.1	6.2	5.0		
0-3.5	C	16.3	6.1	5.0	0-0.25	C	15.5	5.9	5.0		
0-3.0	C	16.5	5.9	5.0	0-0.2	A	17.0	6.6	5.0		
0-2.5	C	16.4	6.6	5.0	0-0.16	A	16.7	6.7	5.0		
0-2.0	C	14.9	5.9	5.0	0-0.1	A	16.5	7.0	5.0		
0-1.6	C	14.9	6.7	5.0	0-0.06	A	16.7	6.6	5.0		

Parts Name: C-Type Bourdon Tube 116 mm OD SS	Material: SUS 316 AISI 316	Drawn: Kaz Miyasaka Date: 2004/11/26
Drawing No. C116SS	Proprietary and Confidential	
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Nominal size		
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3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	



Debur and Break Sharp Edges



Scale (2:1)

Outer Diameter $\pm 0.50\text{mm}$	Section Type	W	H	L*
		$\pm 0.50\text{mm}$	$\pm 0.50\text{mm}$	$\pm 5\text{mm}$
36	C	9.5	2	82

L* The cut length primary to form bourdon tube.

Parts Name:
Bourdon Tube for Thermometer 36 mm OD

Material:
C6872
CuZn20 Al2

Drawn: Kaz Miyasaka
Date: 2004/11/08

Drawing No.
C36T

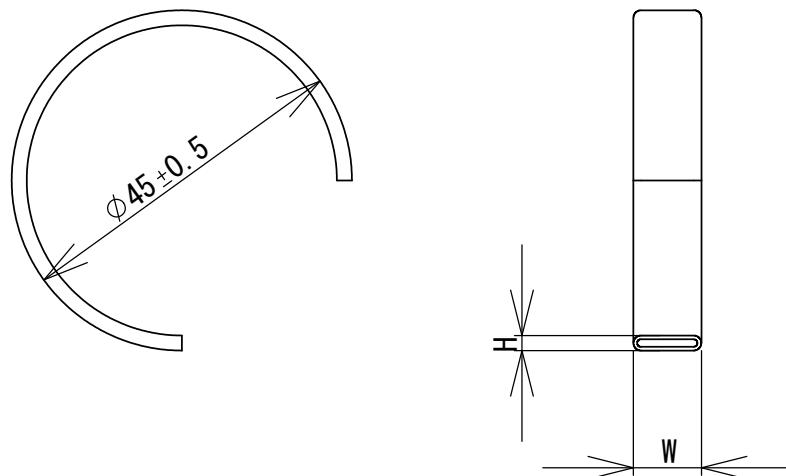
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

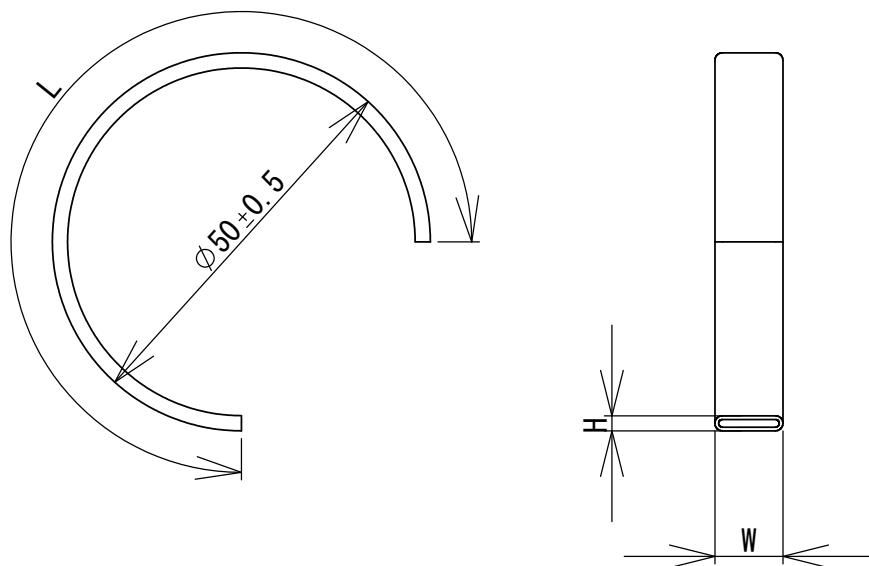
Outer Diameter	Section Type	W	H	L*
		$\pm 0.50\text{mm}$	$\pm 0.50\text{mm}$	$\pm 5\text{mm}$
45	C	9.7	2.0	107

L* The cut length primary to form bourdon tube.

Parts Name: Bourdon Tube for Thermometer 45 mm OD Drawing No. C45T	Material: C5191 CuSn6	Drawn: Kaz Miyasaka Date: 2004/11/08
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Unless otherwise specified: Dimensions are in Millimeters		
Nominal size		
0.5 - 3.0:	± 0.05	Surface Finish:
3.0 - 6.0:	± 0.1	Radius:
6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Outer Diameter $\pm 0.5\text{mm}$	Section Type	W	H	L*
		$\pm 0.50\text{mm}$	$\pm 0.50\text{mm}$	$\pm 5\text{mm}$
50	C	9.5	2.25	112.5

L* The cut length primary to form bourdon tube.

Parts Name:
Bourdon Tube for Thermometer 50 mm OD

Material:
C6872
CuZn20 Al2

Drawn: Kaz Miyasaka
Date: 2004/11/08

Drawing No.
C50T

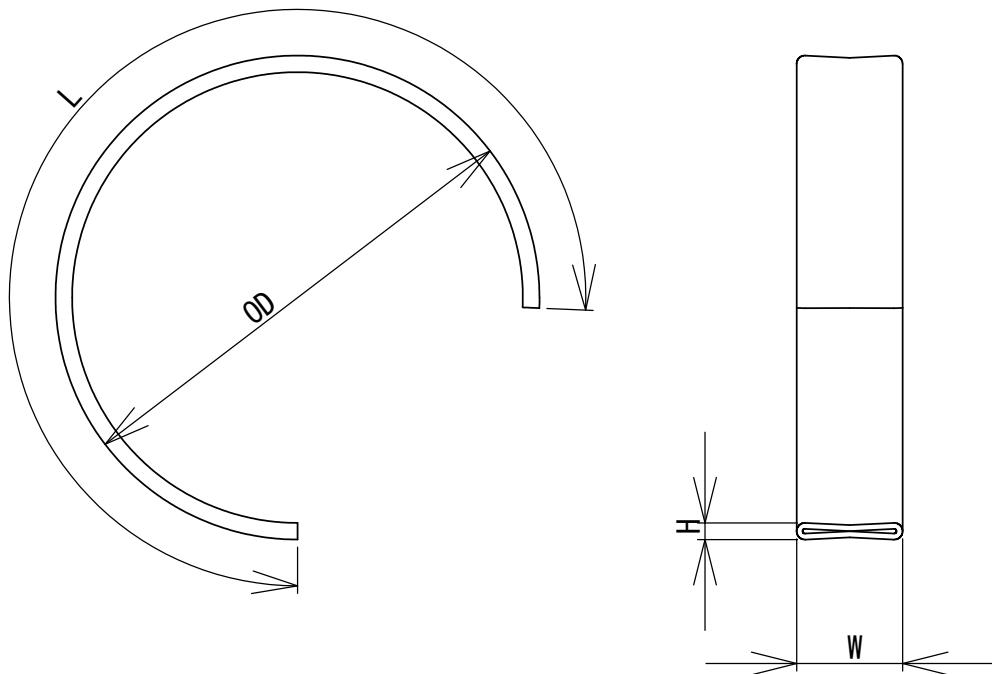
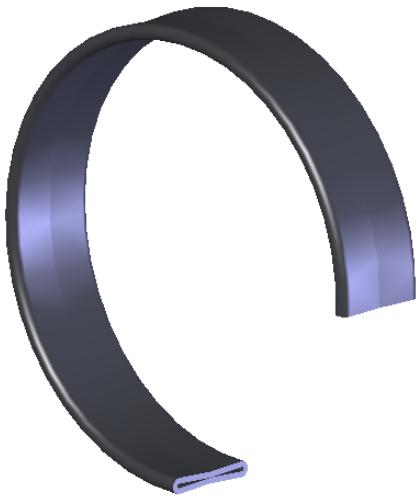
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6.0 - 30:	± 0.2	Corner:
30 - 120:	± 0.3	Liner:
120 - 315:	± 0.5	Angular: $\pm 2^\circ$
315 - 1000:	± 0.8	

Debur and Break Sharp Edges



Scale (1:1)

Outer Diameter $\pm 0.50\text{mm}$	Section Type	W	H	L*
		$\pm 0.50\text{mm}$	$\pm 0.50\text{mm}$	$\pm 5\text{mm}$
64	D/E	14	2.2	152
58	D/E	14	2.2	145
54	D/E	14	2.2	134
59	D/E	14	2.2	145
54	E	11	1.8	125

L* The cut length primary to form bourdon tube.

Parts Name:
CrMo Bourdon for Thermometer

Material:
SCM430
SAE4130

Drawn: Kaz Miyasaka
Date: 2004/11/09

Drawing No.
CMT

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