

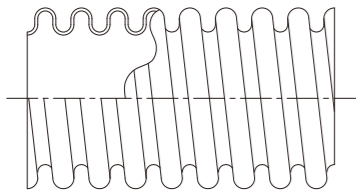
# Dimension and Performance of Tube

## Spiral tube

**Structure** ■ Spiral-shaped multi-purpose tube

**Standard material** ■ SUS304·SUS316L

**Model** ■ SC: Closed pitch  
■ SS: Standard pitch



※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

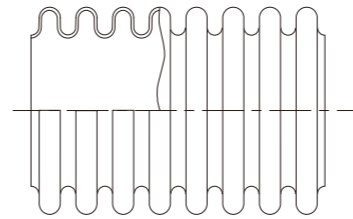
N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
8	SC	7.2	11.4	0.2	15	110
	SS	7.6	11.0	0.2	20	120
10	SC	9.9	15.6	0.25	20	115
	SS	10.0	15.0	0.25	25	150
15	SC	12.7	18.5	0.25	25	130
	SS	13.2	18.5	0.25	30	155
20	SC	19.0	25.8	0.3	30	180
	SS	19.2	25.5	0.3	35	215
25	SC	25.0	33.0	0.3	35	185
	SS	25.0	32.6	0.3	40	220
32	SC	32.0	41.4	0.3	55	200
	SS	32.3	40.5	0.3	60	240
40	SC	38.2	48.5	0.35	65	255
	SS	38.5	47.0	0.35	70	335
50	SC	51.0	62.1	0.35	70	355
	SS	51.5	61.5	0.35	75	450
65	SC	62.9	77.9	0.4	100	360
	SS	63.5	76.5	0.4	105	460

## Super one-pitch tube

**Structure** ■ Single-mound multi-purpose tube with excellent flexibility

**Standard material** ■ SUS304·SUS316L

**Model** ■ TOPC: Closed pitch  
■ TOP: Standard pitch



※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

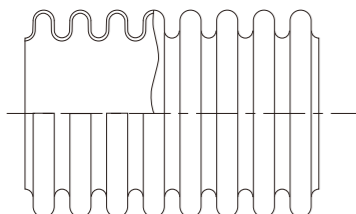
N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
8	TOPC	7.4	11.1	0.15	20	75
	TOP	7.5	11.0	0.15	20	85
10	TOPC	10.3	15.1	0.2	25	100
	TOP	10.5	15.0	0.2	25	110
15	TOPC	13.1	18.4	0.2	30	105
	TOP	13.3	18.3	0.2	30	115
20	TOPC	19.5	25.7	0.2	35	130
	TOP	19.7	25.6	0.2	35	150
25	TOPC	25.3	33.0	0.25	40	145
	TOP	25.5	32.9	0.25	40	170
32	TOPC	32.4	40.9	0.25	55	170
	TOP	32.6	40.8	0.25	60	205
40	TOPC	38.8	48.0	0.3	65	210
	TOP	39.0	47.9	0.3	70	260
50	TOPC	51.3	61.6	0.3	70	235
	TOP	51.5	61.5	0.3	75	295

## One-pitch tube

**Structure** ■ Single-mound shaped multi-purpose tube

**Standard material** ■ SUS304·SUS316L

**Model** ■ YOPC: Closed pitch  
■ YOP: Standard pitch



※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

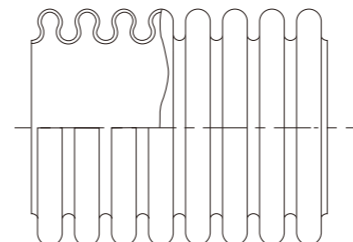
N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
8	YOPC	7.1	11.0	0.2	20	90
	YOP	7.2	10.9	0.2	25	100
10	YOPC	10.3	15.2	0.25	30	100
	YOP	10.5	15.0	0.25	35	120
15	YOPC	13.0	18.6	0.25	45	120
	YOP	13.2	18.5	0.25	50	140
20	YOPC	19.0	25.6	0.3	60	170
	YOP	19.2	25.5	0.3	65	200
25	YOPC	25.2	32.7	0.3	75	210
	YOP	25.3	32.5	0.3	80	240
32	YOPC	33.2	40.8	0.3	95	260
	YOP	33.5	40.6	0.3	100	300
40	YOPC	38.8	47.8	0.35	115	300
	YOP	39.1	47.5	0.35	120	360
50	YOPC	52.3	61.8	0.35	135	370
	YOP	52.6	61.5	0.35	140	450
65	YOPC	65.7	77.3	0.4	215	460
	YOP	66.0	77.0	0.4	220	550

## Annular tube

**Structure** ■ Flexible multi-purpose tube with excellent durability

**Standard material** ■ SUS304·SUS316L

**Model** ■ DAC: Closed pitch  
■ DA: Standard pitch



※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
20	DAC	20.6	30.5	0.3	35	145
	DA	20.7	30.4	0.3	45	160
25	DAC	26.5	37.0	0.3	45	185
	DA	27.0	36.5	0.3	55	230
32	DAC	32.0	45.0	0.35	60	195
	DA	32.5	44.5	0.35	70	240
40	DAC	40.5	55.0	0.4	60	240
	DA	41.0	54.5	0.4	70	290
45	DAC	45.0	62.0	0.4	60	250
	DA	46.0	61.5	0.4	70	300
50	DAC	53.0	71.0	0.4	80	260
	DA	53.5	70.5	0.4	90	310
65	DAC	66.5	86.5	0.4	130	290
	DA	67.0	86.0	0.4	140	340
75	DAC	73.0	90.5	0.4	200	350
	DA	74.0	90.5	0.4	210	430
80	DAC	78.0	101.0	0.4	210	310
	DA	78.5	100.5	0.4	220	350
90	DAC	98.0	119.0	0.4	230	410
	DA	98.5	118.0	0.4	240	490
100	DAC	103.0	127.0	0.4	250	400
	DA	103.5	126.5	0.4	270	470
125	DAC	128.0	154.0	0.5	320	500
	DA	128.5	153.5	0.5	350	580
150	DAC	151.5	181.0	0.5	370	540
	DA	152.0	180.5	0.5	400	630
200	DAC	202.5	233.5	0.5	570	680
	DA	203.0	233.0	0.5	600	820
250	DAC	250.5	285.5	0.6	650	850
	DA	251.0	285.0	0.6	700	1000
300	DAC	300.0	336.5	0.6	850	1250
	DA	300.8	336.0	0.6	900	1350

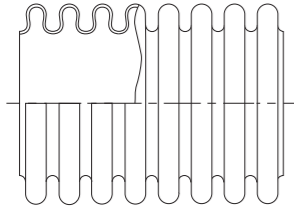
# Dimension and Performance of Tube

## Fine annular tube

**Structure** ■ Flexible multi-purpose tube with excellent durability

**Standard material** ■ SUS304·SUS316L

**Model** ■ DSAC: Closed pitch  
■ DSA: Standard pitch



N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
20	DSAC	17.8	26.1	0.3	30	155
	DSA	18.2	25.9	0.3	35	190
25	DSAC	23.5	32.4	0.3	35	180
	DSA	23.8	32.2	0.3	40	215
32	DSAC	30.3	41.3	0.3	55	170
	DSA	30.6	41.2	0.3	60	200
40	DSAC	36.0	48.1	0.4	65	230
	DSA	36.4	47.8	0.4	70	270
50	DSAC	47.0	62.0	0.4	70	250
	DSA	47.2	61.6	0.4	75	290
65	DSAC	58.7	77.8	0.4	100	260
	DSA	59.2	77.4	0.4	105	310
80	DSAC	71.8	91.3	0.4	190	300
	DSA	72.3	90.7	0.4	200	355
100	DSAC	96.8	119.0	0.4	230	375
	DSA	97.2	118.6	0.4	250	425
125	DSAC	119.5	142.5	0.5	300	500
	DSA	119.5	142.0	0.5	320	570
150	DSAC	146.2	172.5	0.5	340	570
	DSA	146.0	170.0	0.5	370	660
200	DSAC	188.0	215.5	0.5	490	700
	DSA	189.2	214.5	0.5	520	850

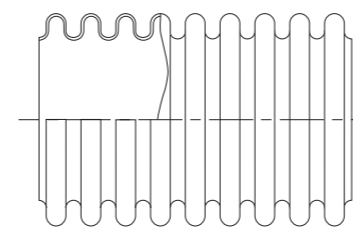
※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

## Soft tube

**Structure** ■ Very flexible low reactive force type tube

**Standard material** ■ SUS304·SUS316L

**Model** ■ YCC: Closed pitch  
■ YCS: Standard pitch



N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
8	YCC	7.5	11.2	0.15	25	85
	YCS	7.8	11.0	0.15	25	90
10	YCC	9.7	13.7	0.15	25	100
	YCS	10.0	13.5	0.15	25	110
15	YCC	12.2	16.7	0.15	35	105
	YCS	12.5	16.5	0.15	40	115
20	YCC	21.2	28.7	0.2	45	125
	YCS	21.5	28.5	0.2	50	135
25	YCC	26.2	36.7	0.2	50	130
	YCS	26.5	36.5	0.2	55	140
32	YCC	32.9	44.2	0.2	70	135
	YCS	33.0	44.0	0.2	75	150
40	YCC	41.2	54.2	0.25	60	175
	YCS	41.5	54.0	0.25	70	190
50	YCC	50.2	65.2	0.25	110	190
	YCS	50.5	65.0	0.25	120	210
65	YCC	65.7	86.2	0.3	130	250
	YCS	66.0	86.0	0.3	140	275
80	YCC	77.7	100.6	0.3	180	310
	YCS	78.0	100.5	0.3	200	335
100	YCC	102.5	126.3	0.3	220	420
	YCS	103.0	126.0	0.3	240	455
125	YCC	128.5	148.3	0.4	260	570
	YCS	129.0	148.0	0.4	300	630
150	YCC	152.5	181.3	0.4	370	590
	YCS	153.0	181.0	0.4	400	650

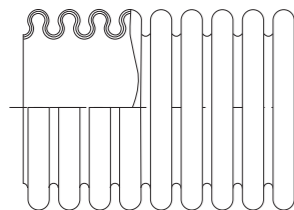
※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

## 2PLY annular tube

**Structure** ■ Flexible, pressure resistant tube with improved safety with a double-layer structure

**Standard material** ■ SUS316L

**Model** ■ XAWC: Closed pitch  
■ XAW: Standard pitch



N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)		min. bending radius(mm)	
				inner	outer	fixed	repeated
32	XAWC	32.0	47.0	0.3	0.35	70	170
	XAW	32.5	46.5	0.3	0.35	80	205
40	XAWC	40.5	55.0	0.4	0.4	70	250
	XAW	41.0	54.5	0.4	0.4	80	300
50	XAWC	53.0	71.0	0.4	0.4	90	250
	XAW	53.5	70.5	0.4	0.4	100	295
65	XAWC	66.5	86.5	0.4	0.4	140	265
	XAW	66.8	86.3	0.4	0.4	150	320
80	XAWC	78.0	101.0	0.4	0.5	210	275
	XAW	78.5	100.5	0.4	0.5	220	315
100	XAWC	103.0	127.0	0.4	0.5	260	340
	XAW	103.5	126.6	0.4	0.5	280	405
125	XAWC	128.0	154.0	0.5	0.6	330	460
	XAW	128.5	153.5	0.5	0.6	360	550
150	XAWC	151.5	181.0	0.5	0.6	380	470
	XAW	152.0	180.5	0.5	0.6	410	560
200	XAWC	202.5	233.5	0.5	0.5	580	580
	XAW	203.0	233.0	0.5	0.5	610	710

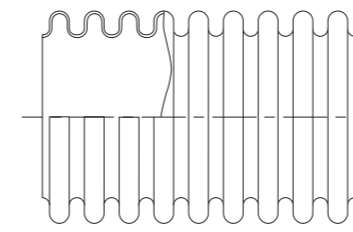
※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.

## Fine soft tube

**Structure** ■ Very flexible low reactive force type tube

**Standard material** ■ SUS304·SUS316L

**Model** ■ TCC: Closed pitch  
■ TCS: Standard pitch



N B (A)	Model	I.D. (mm)	O.D. (mm)	Thickness (mm)	min. bending radius(mm)	
					fixed	repeated
8	TCC	7.4	11.1	0.15	20	75
	TCS	7.5	11.0	0.15	20	85
10	TCC	10.4	15.3	0.15	25	80
	TCS	10.5	15.2	0.15	25	90
15	TCC	13.2	18.3	0.15	30	90
	TCS	13.3	18.2	0.15	30	100
20	TCC	19.3	24.3	0.15	35	125
	TCS	19.5	24.2	0.15	35	145
25	TCC	24.3	31.8	0.2	40	130
	TCS	24.5	31.7	0.2	40	150
32	TCC	31.6	39.1	0.2	55	140
	TCS	31.8	39.0	0.2	60	165
40	TCC	38.3	47.3	0.25	65	190
	TCS	38.5	47.2	0.25	70	225
50	TCC	51.3	61.3	0.25	70	215
	TCS	51.5	61.2	0.25	75	260
65	TCC	60.2	77.4	0.3	105	230
	TCS	61.0	77.2	0.3	110	280
80	TCC	75.7	90.4	0.3	140	315
	TCS	76.0	90.2	0.3	150	365
100	TCC	100.2	118.4	0.3	190	370
	TCS	100.5	118.2	0.3	200	425

※The smallest bending radius is for the case when a single-layer braid (standard specification) is mounted.