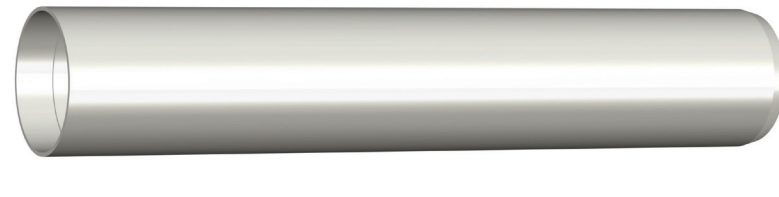
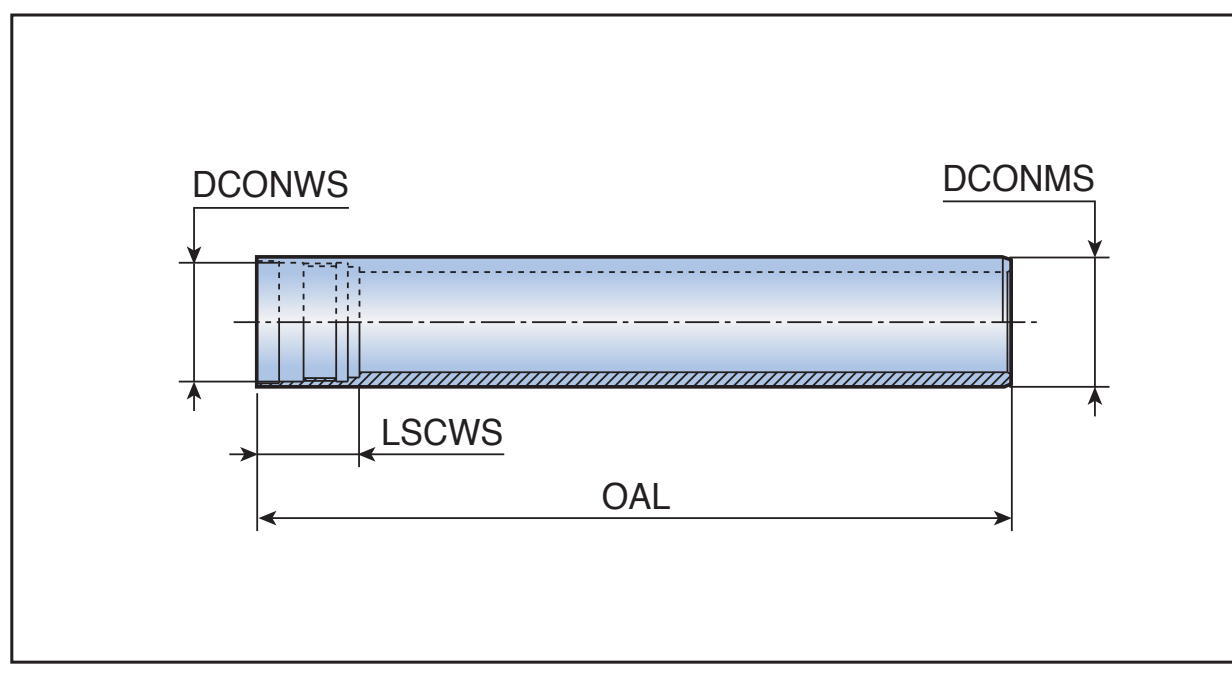


Single tube



- Inner four start thread



Designation	DC	Dimension (mm)		
		DCONMS	DCONWS	LSCWS
BTSI 011 *	12.60-13.60	11.0	9.6	22
012 *	13.61-14.60	12.0	10.6	22
013 *	14.61-15.59	13.0	11.6	22
014	15.60-16.70	14.0	12.6	21
015	16.71-17.70	15.0	13.6	21
016	17.71-18.90	16.0	14.5	22
017	18.91-20.00	17.0	15.5	22
018	20.01-21.80	18.0	16.0	27.5
020	21.81-24.10	20.0	18.0	30
022	24.11-26.40	22.0	19.5	30
024	26.41-28.70	24.0	21.0	30
026	28.71-31.00	26.0	23.5	33
028	31.01-33.30	28.0	25.5	33
030	33.31-36.20	30.0	28.0	33
033	36.21-39.60	33.0	30.0	40
036	39.61-43.00	36.0	33.0	40
039	43.01-47.00	39.0	36.0	40
043	47.01-51.70	43.0	39.0	40
047	51.71-56.20	47.0	43.0	44
051	56.21-60.60	51.0	47.0	44
056A	60.61-65.00	56.0	51.0	44
056B	65.00-66.99	56.0	52.0	75
062	67.00-72.99	62.0	58.0	75
068	73.00-79.99	68.0	63.0	75
075	80.00-86.99	75.0	70.0	97
082	87.00-99.99	82.0	77.0	97
094	100.00-111.99	94.0	89.0	97
106	112.00-123.99	106.0	101.0	118
118	124.00-135.99	118.0	113.0	118
130	136.00-147.99	130.0	125.0	118
142	148.00-159.99	142.0	137.0	139
154	160.00-171.99	154.0	149.0	139
166	172.00-183.99	166.0	161.0	139
178	184.00-195.99	178.0	173.0	144
190	196.00-207.99	190.0	185.0	144
202	208.00-219.99	202.0	197.0	144
214	220.00-231.99	214.0	208.0	164
226	232.00-243.99	226.0	220.0	164
238	244.00-255.99	238.0	232.0	164
250	256.00-267.99	250.0	244.0	184
262	268.00-279.99	262.0	256.0	184
274	280.00-291.99	274.0	268.0	184

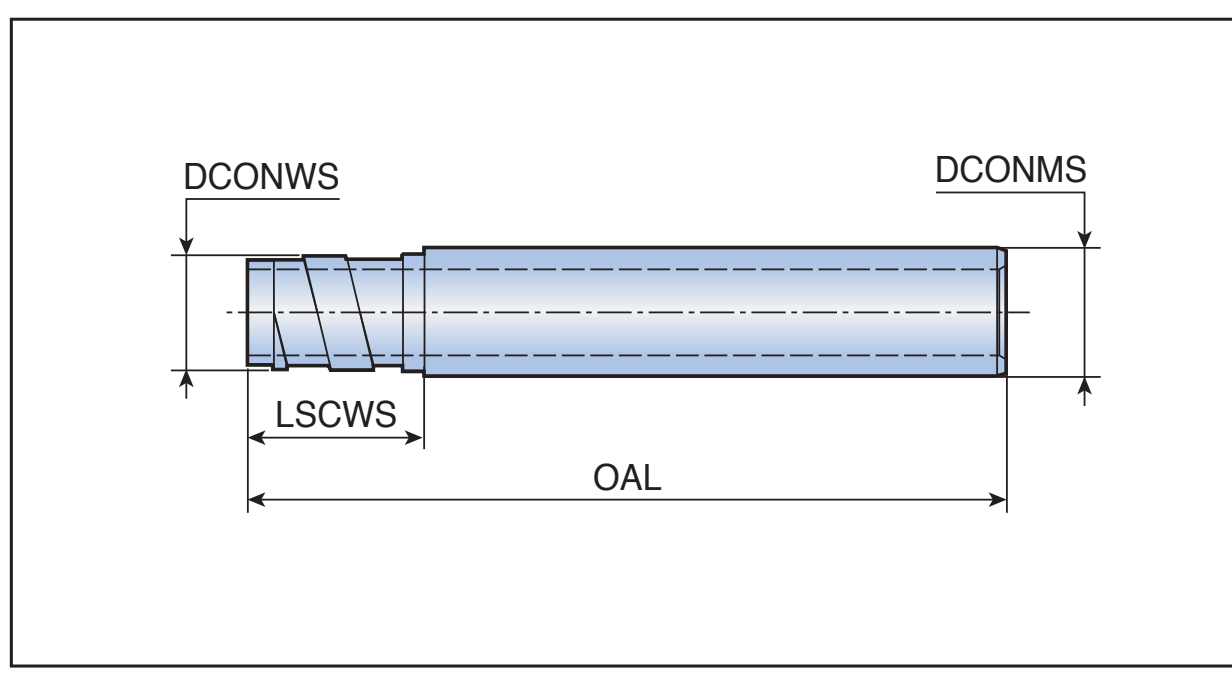
- ▶ Please indicate overall length (OAL) when ordering
- ▶ *: Indicates parts are inner two start thread

BTSE

Single tube



- Outer single start thread



Designation	DC	Dimension (mm)		
		DCONMS	DCONWS	LSCWS
BTSE 012A	14.50-15.00	12.0	11.5	23
012B	15.01-15.50	12.0	11.8	23
013A	15.51-16.00	13.0	12.4	23
013B	16.01-16.50	13.0	12.7	23
014A	16.51-17.25	14.0	13.4	23
014B	17.26-18.00	14.0	13.7	23
015	18.01-19.00	15.0	14.4	23
016.5	19.01-19.99	16.5	15.4	23
018	20.00-21.99	18.0	16.5	26
020	22.00-24.99	20.0	19.0	26
022	25.00-26.99	22.0	20.0	26
024	27.00-29.99	24.0	22.0	26
026	30.00-31.99	26.0	24.0	26
028	32.00-33.99	28.0	26.0	26
030	34.00-36.99	30.0	27.0	41
033	37.00-39.99	33.0	30.0	41
036	40.00-43.99	36.0	33.0	41
039	44.00-46.99	39.0	37.0	41
043	47.00-51.99	43.0	41.0	41
047	52.00-56.99	47.0	44	41
051	57.00-60.99	51.0	49	41
056	61.00-67.99	56.0	53	41
062	68.00-74.99	62.0	59	41
068	75.00-80.99	68.0	65	71
075	81.00-90.99	75.0	71	71
082	91.00-98.99	82.0	79	71
094	99.00-110.99	94.0	90	71
106	111.00-122.99	106.0	102	71
118	123.00-134.99	118.0	114	71
130	135.00-148.99	130.0	126	71
142	149.00-161.99	142.0	139	71
154	162.00-173.99	154.0	151	86
166	174.00-185.99	166.0	163	86
178	186.00-197.99	178.0	175	86
190	198.00-209.99	190.0	187	86
202	210.00-221.99	202.0	199	86
214	222.00-233.99	214.0	211	86
226	234.00-245.99	226.0	223	86
238	246.00-257.99	238.0	235	86
250	258.00-269.99	250.0	247	121
262	270.00-281.99	262.0	259	121
274	282.00-293.99	274.0	271	121

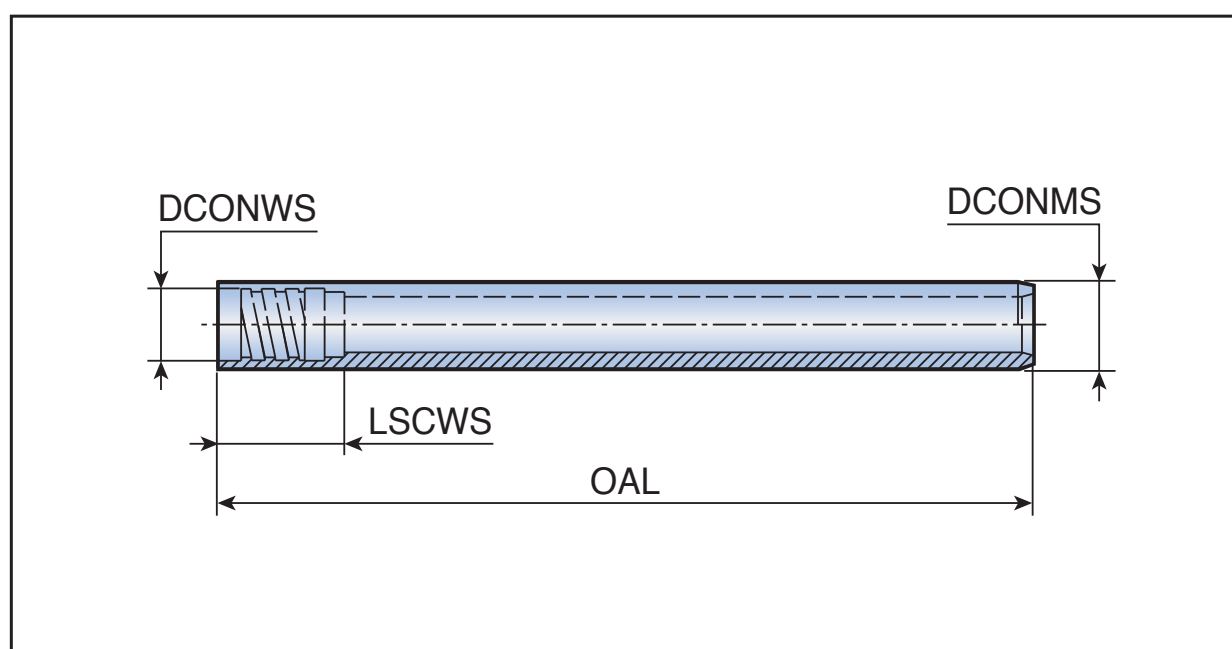
- ▶ Please indicate overall length (OAL) when ordering

BTSO

Single tube



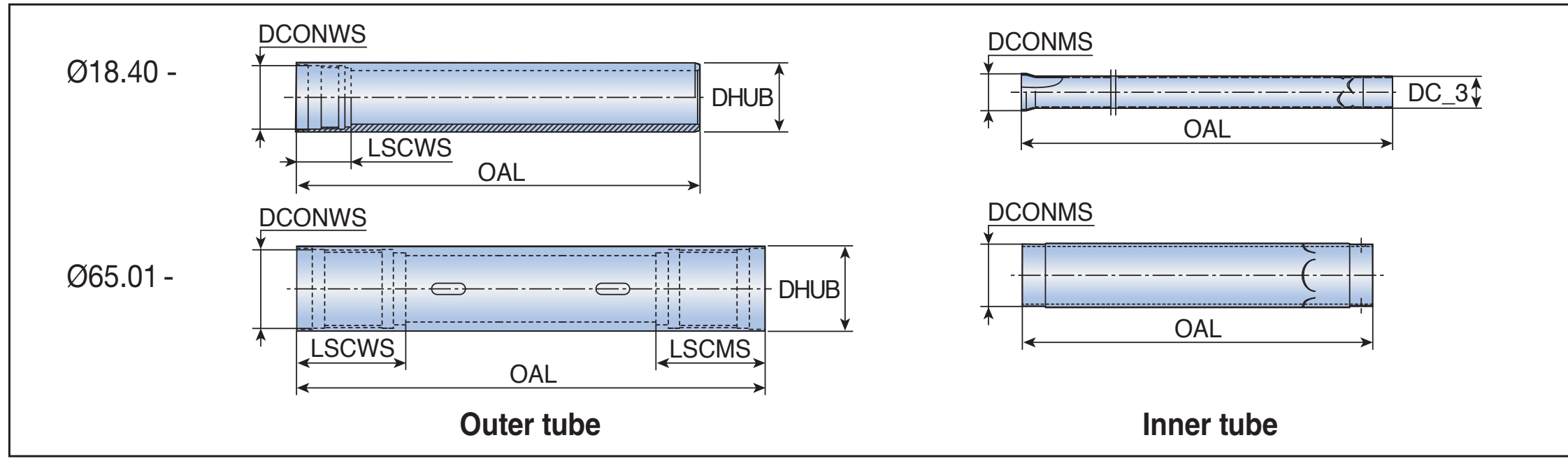
- Inner single start thread



Designation	DC	Dimension (mm)		
		DCONMS	DCONWS	LSCWS
BTSO 071	8.00-8.99	7.1	6.0	13.5
083	9.00-9.99	8.3	7.2	13.5
090	10.00-10.99	9.0	7.6	13.5
100	11.00-11.99	10.0	8.6	13.5
110	12.00-13.49	11.0	9.1	13.5
120	13.50-14.79	12.0	10.8	13.5

BTDO / BTDI

Double tube



DC	Outer tube	Dimension (mm)			Inner tube	Dimension (mm)	
		DHUB	DCONWS	LSCWS		DCONMS	DC_3
18.40-20.00	BTDO 018	18.0	16	27.5	BTDI 012	12	10
20.01-21.80	019.5	19.5	18	30	014	14	12
21.81-24.10	021.5	21.5	19.5	30	015	15	13
24.11-26.40	023.5	23.5	21	30	016	16	14
26.41-28.70	026	26.0	23.5	33	018	18	16
28.71-31.00	028	28.0	25.5	33	020	20	18
31.01-33.30	030.5	30.5	28	33	022	22	20
33.31-36.20	033	33.0	30	40	024	24	22
36.21-39.60	035.5	35.5	33	40	026	26	24
39.61-43.00	039	39.0	36	40	029	29	27
43.01-47.00	042.5	42.5	39	40	032	32	30
47.01-51.70	046.5	46.5	43	44	035	35	32
51.71-56.20	051	51.0	47	44	039	39	36
56.21-65.00	055.5	55.5	51	44	043A	43	40
65.01-69.99	056	56.0	52	75	043B	40	-
70.00-72.99	062	62.0	58	75	048	44	-
73.00-79.99	068	68.0	63	75	053	48	-
80.00-86.99	075	75.0	70	97	059	54	-
87.00-99.99	082	82.0	77	97	066	60	-
100.00-111.99	094	94.0	89	97	078	70	-
112.00-123.99	106	106.0	101	118	090	80	-
124.00-135.99	118	118.0	113	118	092	80	-
136.00-147.99	130	130.0	125	118	104	95	-
148.00-159.99	142	142.0	137	139	116	100	-
160.00-171.99	154	154.0	149	139	128	120	-
172.00-183.99	166	166.0	161	139	138	130	-

- ▶ Please indicate overall length (OAL) when ordering
- For diameter range 18.40-65.00 (**BTDO 055.5**) the inner tube should be ordered 30mm longer than outer tube
- For diameter range 65.01-123.99 (**BTDI 056-BTDO 106**) the inner tube should be ordered 190mm longer than outer tube
- For diameter range 124.00-183.99 (**BTDO 118-BTDO 166**) the inner tube should be ordered 220mm longer than outer tube