



Tubing and Rod

ATG tubing and rod is made of low expansion borosilicate components, with high chemical durability, excellent thermal shock resistance, which makes it the most popular and reliable type of glass for scientific and industrial applications.

All ATG tubings and rods are supplied in approx. 1,500 mm minimum length with the ends finish given below, except for larger sizes of diameters exceeding 270mm. Special sizes not listed in the catalog are available on request.

Length: 1,506mm ± 6mm

Large size of diameter

<u>O.D.mm</u>	<u>Length</u>	<u>+ / - mm</u>
270	1,100	5.0
300	950	5.0
320	850	5.0
350	650	5.0
370	700	5.0
400	650	5.0

Ends finish

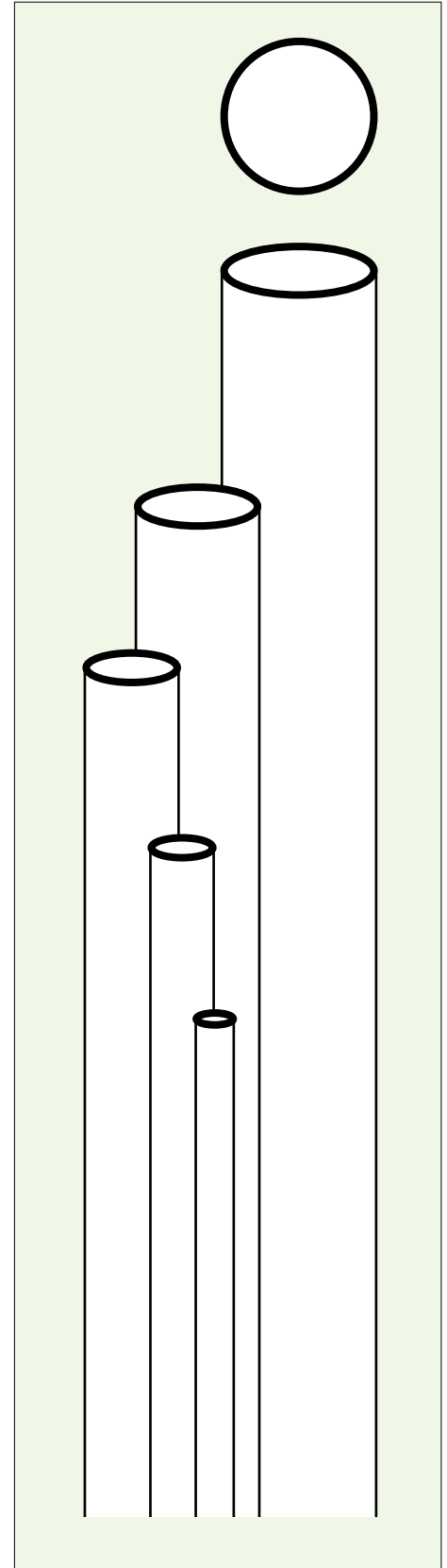
<u>O.D.mm</u>	<u>Ends finish</u>
2-6	Rough cut only
7-35	Rough cut and fire-polished
35 & up	Plain cut and fire-polished
Rod	Rough cut only



Standard Wall Tubing

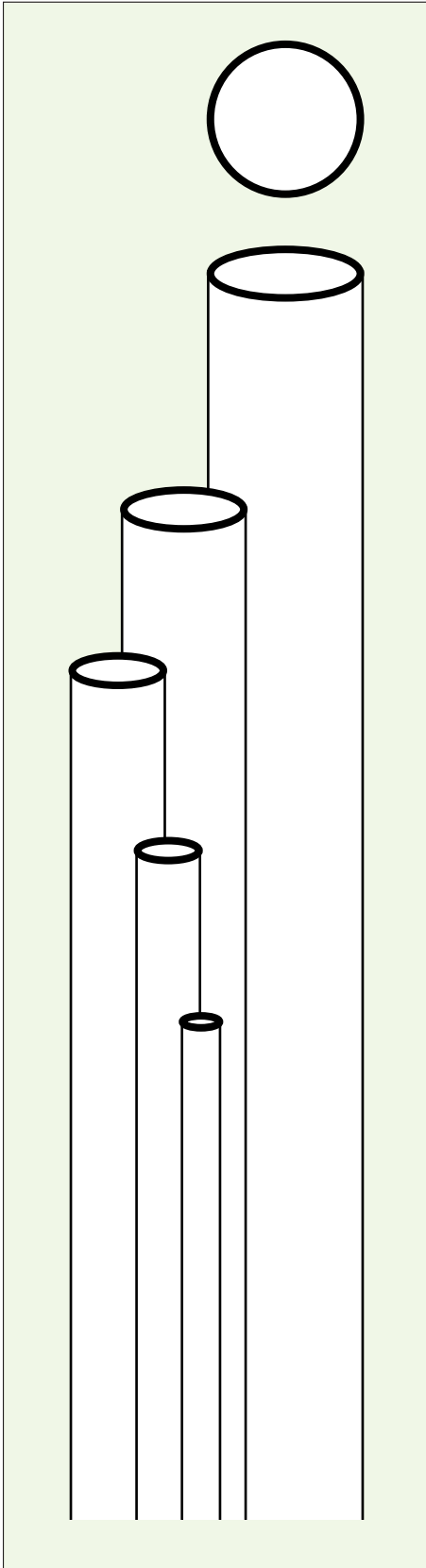
Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
* STD2 R	2mm	0.2	0.6mm	0.1	1,580	14.3
STD3 R	3mm	0.2	0.6mm	0.1	944	14.3
STD4 R	4mm	0.2	0.8mm	0.1	540	14.6
STD5 R	5mm	0.2	0.8mm	0.1	333	11.8
STD6 R	6mm	0.2	1.0mm	0.1	232	12.2
STD7 R	7mm	0.2	1.0mm	0.1	215	13.6
STD8 R	8mm	0.2	1.0mm	0.1	150	11.1
STD9 R	9mm	0.2	1.0mm	0.1	163	13.8
STD10 R	10mm	0.2	1.0mm	0.1	104	9.9
STD11 R	11mm	0.2	1.0mm	0.1	77	8.1
STD12 R	12mm	0.2	1.0mm	0.1	126	14.6
STD13 R	13mm	0.2	1.2mm	0.1	104	15.5
STD14 R	14mm	0.2	1.2mm	0.1	95	15.4
STD15 R	15mm	0.2	1.2mm	0.1	85	14.8
STD16 R	16mm	0.2	1.2mm	0.1	76	14.2
STD17 R	17mm	0.2	1.2mm	0.1	53	10.6
STD18 R	18mm	0.2	1.2mm	0.1	68	14.5
STD19 R	19mm	0.2	1.2mm	0.1	67	15.1
STD20 R	20mm	0.3	1.2mm	0.1	53	12.6
STD22 R	22mm	0.3	1.5mm	0.15	46	14.9
STD23 R	23mm	0.4	1.5mm	0.15	39	13.3
STD25 R	25mm	0.4	1.5mm	0.15	32	11.9
STD26 R	26mm	0.4	1.5mm	0.15	32	12.4
STD28 RN	28mm	0.4	1.5mm	0.15	30	12.5
STD30 RN	30mm	0.5	1.8mm	0.15	35	18.6
STD32 R	32mm	0.5	1.8mm	0.15	28	16.1
STD35 RN	35mm	0.5	2.0mm	0.15	24	16.6
STD36 R	36mm	0.5	2.0mm	0.15	18	12.9
STD38 R	38mm	0.5	2.0mm	0.15	16	12.2
STD40 R	40mm	0.6	2.0mm	0.15	15	12.0
STD45 R	45mm	0.7	2.0mm	0.15	15	13.6
STD48 R	48mm	0.8	2.0mm	0.15	16	15.5
STD50 R	50mm	0.8	2.0mm	0.15	12	12.2
STD55 R	55mm	1.0	2.4mm	0.2	8	10.7
STD60 RN	60mm	1.1	2.4mm	0.2	12	17.4
STD65 RN	65mm	1.2	2.4mm	0.2	9	14.1
STD70 RN	70mm	1.2	2.4mm	0.2	9	15.3
STD75 R	75mm	1.2	2.4mm	0.2	6	11.0
STD80 R	80mm	1.3	2.4mm	0.2	6	11.8
STD85 R	85mm	1.3	2.4mm	0.2	4	8.4
STD90 R	90mm	1.3	2.4mm	0.2	4	8.9
STD95 R	95mm	1.4	2.4mm	0.2	4	9.4
STD100 R	100mm	1.4	2.4mm	0.2	4	9.9
STD110 R	110mm	1.8	2.6mm	0.3	4	11.8
STD120 R	120mm	1.8	3.0mm	0.3	4	14.8
STD130 R	130mm	1.8	3.0mm	0.3	2	8.0
STD140 R	140mm	2.0	3.5mm	0.4	2	10.1
STD150 R	150mm	2.0	3.5mm	0.4	2	10.8
STD160 R	160mm	2.0	3.5mm	0.4	2	11.6
STD170 R	170mm	2.0	3.5mm	0.4	1	6.2
STD180 R	180mm	2.0	3.5mm	0.4	1	6.5
STD190 R	190mm	2.6	4.0mm	0.4	1	7.9
STD200 R	200mm	2.6	5.0mm	0.6	1	10.3
STD210 R	210mm	2.8	5.0mm	0.6	1	10.8
STD220 R	220mm	2.8	5.5mm	0.6	1	12.4

*Made to order





Tubing and Rod



Light Wall Tubing

Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
LW22 R	22mm	0.3	1.2mm	0.1	46	12.1
LW24 R	24mm	0.4	1.2mm	0.1	38	11.0
LW30 R	30mm	0.5	1.3mm	0.15	35	13.8
LW32 R	32mm	0.5	1.3mm	0.15	28	11.8
LW35 R	35mm	0.6	1.3mm	0.15	24	11.1
LW36 R	36mm	0.6	1.4mm	0.15	24	12.3
LW38 R	38mm	0.6	1.5mm	0.15	16	9.2
LW40 R	40mm	0.6	1.5mm	0.15	20	12.2
LW42 R	42mm	0.7	1.6mm	0.15	15	10.2
*LW44 R	44mm	0.7	1.6mm	0.15	15	10.7
LW45 R	45mm	0.7	1.6mm	0.15	15	11.0
*LW46 R	46mm	0.7	1.6mm	0.15	15	11.2
LW48 R	48mm	0.8	1.6mm	0.15	16	12.5
LW50 R	50mm	0.8	1.6mm	0.15	16	13.1
*LW52 R	52mm	0.8	1.8mm	0.15	9	8.6
LW54 R	54mm	0.8	1.8mm	0.15	8	7.9

*Made to order

Medium (Light) Wall Tubing

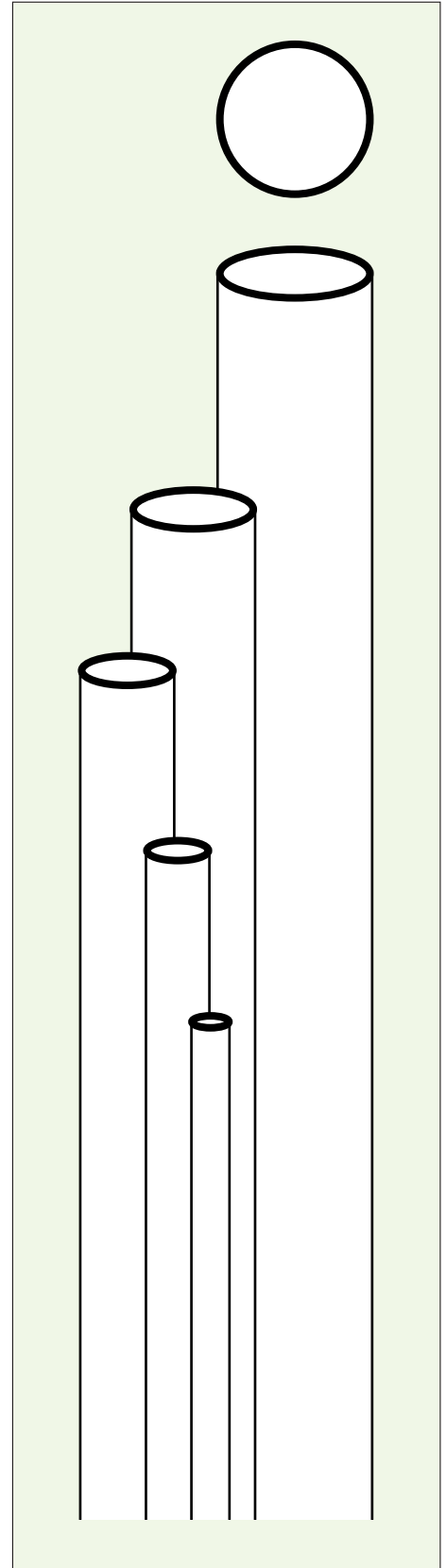
Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
LMED4 R	4mm	0.2	1.2mm	0.1	390	13.8
LMED5 R	5mm	0.2	1.2mm	0.1	333	16.0
LMED6 R	6mm	0.2	1.2mm	0.1	232	14.1
LMED7 R	7mm	0.2	1.2mm	0.1	215	15.8
LMED8 R	8mm	0.2	1.2mm	0.1	150	12.9
LMED9 R	9mm	0.2	1.2mm	0.1	163	16.1
LMED10 R	10mm	0.3	1.2mm	0.1	104	11.6
LMED12 R	12mm	0.3	1.2mm	0.1	76	10.4
LMED13 R	13mm	0.3	1.6mm	0.2	60	11.5
LMED14 R	14mm	0.3	1.6mm	0.2	60	12.6
LMED15 R	15mm	0.3	1.6mm	0.2	53	12.0
LMED16 R	16mm	0.3	1.6mm	0.2	52	12.6
LMED17 R	17mm	0.3	1.6mm	0.2	46	12.0
LMED18 R	18mm	0.4	1.6mm	0.2	46	12.7
LMED20 R	20mm	0.4	1.6mm	0.2	45	14.0
LMED24 R	24mm	0.4	1.8mm	0.2	23	9.7
LMED25 R	25mm	0.4	2.0mm	0.2	32	15.5
LMED26 R	26mm	0.4	2.0mm	0.2	20	10.1
LMED28 R	28mm	0.5	2.0mm	0.2	24	13.2
LMED30 R	30mm	0.5	2.0mm	0.2	16	9.5
LMED32 R	32mm	0.5	2.0mm	0.2	15	9.5
LMED34 R	34mm	0.6	2.0mm	0.2	20	13.5
LMED42 R	42mm	0.7	2.3mm	0.3	15	14.4
LMED46 R	46mm	0.7	2.3mm	0.3	12	12.7
LMED50 R	50mm	0.8	2.5mm	0.3	12	15.0
LMED54 R	54mm	1.1	2.5mm	0.3	8	10.9
LMED58 R	58mm	1.3	2.5mm	0.3	8	11.7
LMED100 R	100mm	1.8	3.5mm	0.4	4	14.3



Medium Wall Tubing

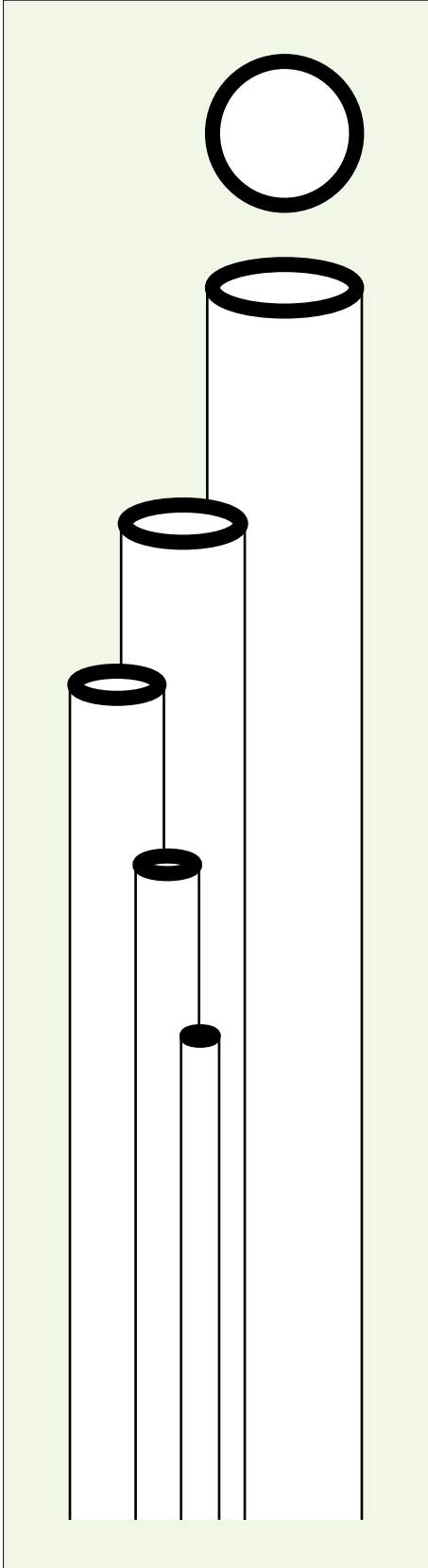
Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
MED6 R	6mm	0.2	1.5mm	0.15	163	11.6
MED7 R	7mm	0.2	1.5mm	0.15	163	14.2
MED8 R	8mm	0.2	1.6mm	0.15	150	16.2
MED9 R	9mm	0.2	1.6mm	0.15	125	15.6
MED10 R	10mm	0.2	1.6mm	0.15	104	14.7
MED11 R	11mm	0.2	1.6mm	0.15	77	12.2
MED12 R	12mm	0.2	1.6mm	0.15	76	13.3
MED13 R	13mm	0.2	2.0mm	0.15	60	13.9
MED14 R	14mm	0.2	2.0mm	0.15	60	15.2
MED15 R	15mm	0.2	2.0mm	0.15	53	14.5
MED16 R	16mm	0.2	2.0mm	0.15	52	15.4
MED18 R	18mm	0.2	2.0mm	0.15	46	15.5
MED19 R	19mm	0.2	2.0mm	0.15	39	14.0
MED20 R	20mm	0.3	2.0mm	0.15	38	14.4
MED22 R	22mm	0.3	2.0mm	0.15	33	13.9
MED25 R	25mm	0.5	2.4mm	0.2	24	13.7
MED30 R	30mm	0.5	2.4mm	0.2	16	11.2
MED32 RN	32mm	0.6	2.4mm	0.2	20	15.0
MED35 R	35mm	0.6	2.4mm	0.2	15	12.4
MED38 R	38mm	0.7	2.4mm	0.2	16	14.4
MED40 R	40mm	0.7	2.4mm	0.2	15	14.3
MED45 R	45mm	0.7	2.4mm	0.2	12	12.9
MED48 R	48mm	0.8	2.4mm	0.2	12	13.9
MED50 R	50mm	0.8	3.2mm	0.3	6	9.5
MED55 R	55mm	1.2	3.2mm	0.3	8	14.0
MED60 R	60mm	1.2	3.2mm	0.3	8	15.3
MED65 R	65mm	1.2	3.2mm	0.3	4	8.3
MED70 R	70mm	1.2	3.2mm	0.3	4	9.0
MED75 R	75mm	1.2	3.2mm	0.3	6	14.5
MED80 R	80mm	1.5	3.2mm	0.3	6	15.6
MED85 R	85mm	1.5	3.5mm	0.3	4	12.0
MED90 R	90mm	1.5	3.5mm	0.3	4	11.7
MED95 R	95mm	1.5	3.5mm	0.3	4	13.5
MED100 R	100mm	1.5	4.8mm	0.5	2	9.6
MED110 R	110mm	1.8	4.8mm	0.5	2	10.7
MED120 R	120mm	1.8	5.0mm	0.5	2	12.1
MED130 R	130mm	1.8	5.0mm	0.5	2	13.2
MED140 R	140mm	2.0	5.0mm	0.5	2	14.2
MED150 R	150mm	2.0	5.5mm	0.6	2	16.8
MED160 R	160mm	2.0	5.5mm	0.6	1	9.0
MED170 R	170mm	2.2	5.5mm	0.6	1	9.5
*MED180 R	180mm	2.4	6.0mm	0.6	1	11.0
MED190 R	190mm	2.4	7.0mm	0.8	1	13.5
MED200 R	200mm	2.6	7.0mm	0.8	1	14.3
MED210 R	210mm	2.6	7.0mm	0.8	1	15.0
MED220 R	220mm	2.8	7.0mm	0.8	1	15.7
MED230 R	230mm	3.1	7.0mm	0.8	1	16.5
MED240 R	240mm	3.1	7.0mm	0.8	1	17.2
MED250 R	250mm	3.1	7.0mm	0.8	1	17.9

*Made to order





Tubing and Rod



Heavy (Light) Wall Tubing

Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
LHW18R	18mm	0.2	2.5mm	0.15	23	9.4
*LHW19R	19mm	0.2	2.5mm	0.15	33	14.4
LHW20R	20mm	0.3	2.5mm	0.15	28	12.9
LHW22R	22mm	0.3	2.5mm	0.15	28	14.4
LHW24R	24mm	0.3	2.5mm	0.15	23	13.0
*LHW26R	26mm	0.3	2.8mm	0.15	20	13.7
LHW28R	28mm	0.3	2.8mm	0.15	18	13.4
LHW30R	30mm	0.5	2.8mm	0.15	16	12.9
LHW32R	32mm	0.5	2.8mm	0.2	15	12.9
LHW34R	34mm	0.5	2.8mm	0.2	15	13.8
LHW36R	36mm	0.5	2.8mm	0.2	15	14.7
*LHW38R	38mm	0.5	2.8mm	0.2	9	9.4
LHW40R	40mm	0.7	3.2mm	0.3	9	11.2
*LHW42R	42mm	0.8	3.2mm	0.3	9	11.8
LHW44R	44mm	0.8	3.2mm	0.3	9	12.4
*LHW46R	46mm	0.8	3.2mm	0.3	9	13.0
LHW48R	48mm	0.8	3.2mm	0.3	9	13.6
*LHW50R	50mm	0.8	3.5mm	0.3	6	10.3
LHW70R	70mm	1.2	4.2mm	0.4	4	11.7

*Made to order



Heavy Wall Tubing

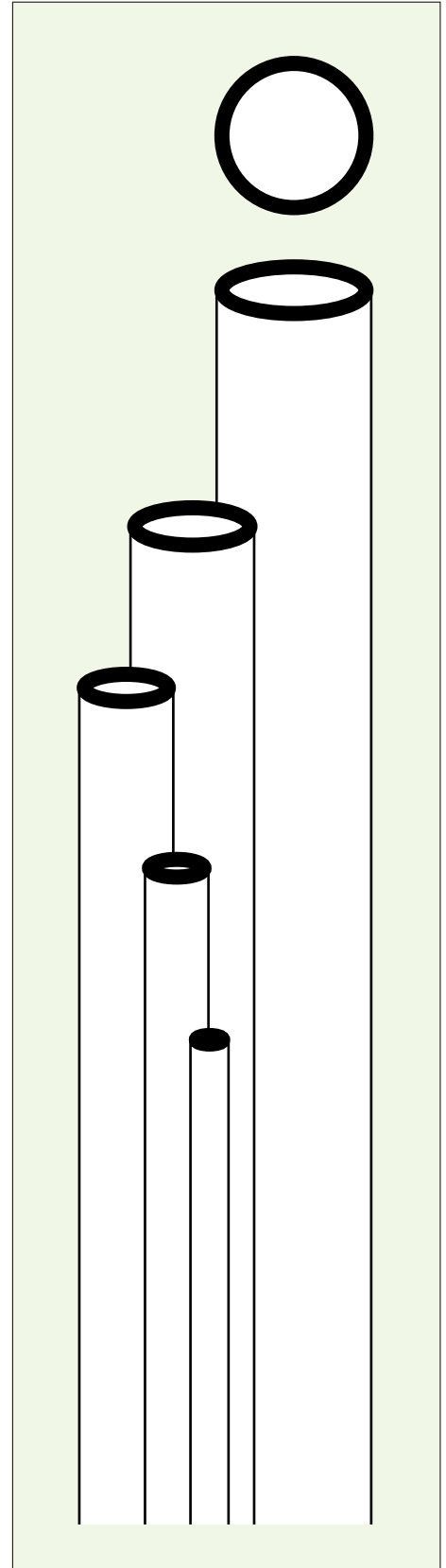
Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance	Wall Thickness	Tolerance		
HW10 R	10mm	0.2	2.0mm	0.15	77	13.0
HW11 R	11mm	0.2	2.0mm	0.15	77	14.6
HW12 R	12mm	0.2	2.0mm	0.15	52	11.0
HW13 R	13mm	0.2	2.4mm	0.15	53	14.2
HW15 R	15mm	0.2	2.4mm	0.15	45	14.3
HW16 R	16mm	0.2	2.4mm	0.15	39	13.4
HW18 R	18mm	0.4	3.2mm	0.25	23	11.5
HW20 R	20mm	0.4	3.2mm	0.25	23	13.0
HW22 R	22mm	0.5	3.2mm	0.25	23	14.6
HW25 R	25mm	0.5	4.0mm	0.25	16	14.2
HW28 R	28mm	0.6	4.0mm	0.25	12	12.2
HW30 R	30mm	0.7	4.0mm	0.25	12	13.2
HW35 R	35mm	0.8	4.0mm	0.25	12	15.7
HW40 R	40mm	0.8	4.0mm	0.3	9	13.7
HW45 R	45mm	0.8	4.0mm	0.3	9	15.6
HW50 R	50mm	0.8	4.8mm	0.4	6	13.7
HW55 R	55mm	0.8	4.8mm	0.4	6	15.3
HW60 R	60mm	1.2	4.8mm	0.4	4	11.2
HW65 R	65mm	1.2	4.8mm	0.4	4	12.2
HW70 R	70mm	1.2	4.8mm	0.4	4	13.2
HW75 R	75mm	1.2	4.8mm	0.4	4	14.2
HW80 R	80mm	1.5	4.8mm	0.4	4	15.2
* HW85 R	85mm	1.5	4.8mm	0.4	4	16.2
HW90 R	90mm	1.5	4.8mm	0.4	2	8.6
HW95 R	95mm	1.5	5.0mm	0.5	2	9.5
HW100 R	100mm	1.5	6.4mm	0.6	2	12.6
HW110 R	110mm	1.8	6.4mm	0.6	2	14.0
HW120 R	120mm	1.8	6.4mm	0.6	2	15.3
HW140 R	140mm	2.0	6.4mm	0.6	1	9.0
HW150 R	150mm	2.0	8.0mm	0.9	1	12.0
HW165 R	165mm	2.0	8.0mm	0.9	1	13.2
HW180 R	180mm	2.2	9.5mm	1.1	1	17.1

*Made to order

Large O.D. Tubing

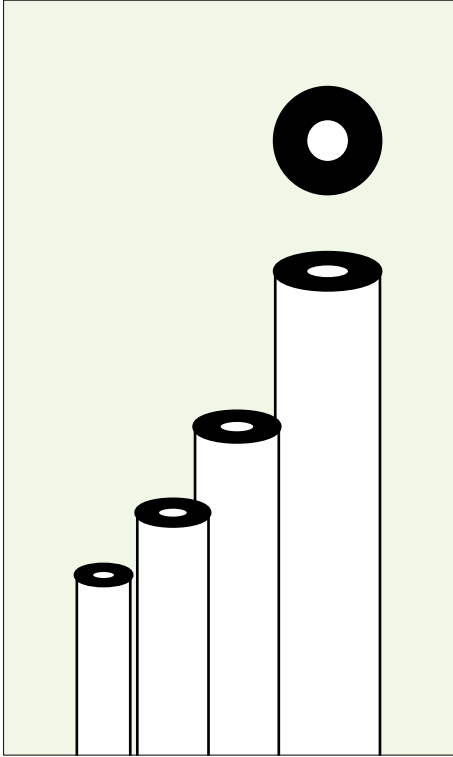
Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance	Length	Tolerance		
*C-MED2707-1100	270mm	3	1,100mm	5	1	14.3
*C-MED3007-950	300mm	3	950mm	5	1	13.7
*C-MED3207-850	320mm	3	850mm	5	1	13.1
*C-MED3507-750	350mm	3	750mm	5	1	12.7
*C-MED3707-700	370mm	3	700mm	5	1	12.6
*C-MED4007-650	400mm	3	650mm	5	1	12.6

*Made to order





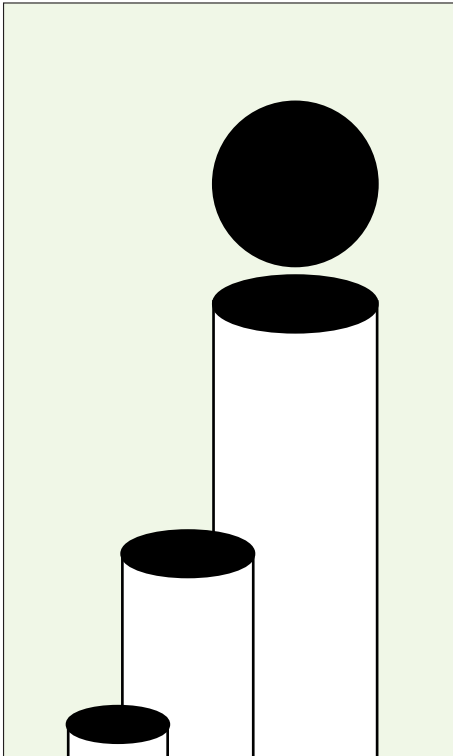
Tubing and Rod



Capillary Tubing

Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance	I.D.	Tolerance		
CPL6(5) R	6mm	0.3	0.5mm	0.1	163	15.4
CPL6(10) R	6mm	0.3	1.0mm	0.1	163	15.0
CPL6(15) R	6mm	0.3	1.5mm	0.15	163	14.5
CPL7(8) R	7mm	0.3	0.8mm	0.15	116	14.8
CPL7(12) R	7mm	0.3	1.2mm	0.15	116	14.5
CPL7(15) R	7mm	0.3	1.5mm	0.15	116	14.3
*CPL7(18) R	7mm	0.3	1.8mm	0.15	116	14.0
CPL7(20) R	7mm	0.3	2.0mm	0.15	116	13.8
CPL7(25) R	7mm	0.3	2.5mm	0.15	116	13.1
*CPL8(10) R	8mm	0.3	1.0mm	0.15	95	15.8
*CPL8(15) R	8mm	0.3	1.5mm	0.15	95	15.5
CPL8(20) R	8mm	0.3	2.0mm	0.15	95	15.0
CPL8(25) R	8mm	0.3	2.5mm	0.15	95	14.5
CPL8(35) R	8mm	0.3	3.5mm	0.15	95	13.0
CPL9(25) R	9mm	0.3	2.5mm	0.15	60	11.8
CPL9(30) R	9mm	0.3	3.0mm	0.15	60	11.4
CPL9(35) R	9mm	0.3	3.5mm	0.15	60	10.9

*Made to order



Rod

Code No.	Specifications				Approx. pieces/ pack	Approx. weight kgs/ pack
	O.D.	Tolerance				
*ROD2 R	2mm	0.15			1580	16.7
ROD3 R	3mm	0.15			663	15.7
ROD4 R	4mm	0.2			390	16.5
ROD5 R	5mm	0.2			248	16.4
ROD6 R	6mm	0.2			163	15.5
ROD7 R	7mm	0.2			116	15.0
ROD8 R	8mm	0.3			95	16.0
ROD9 R	9mm	0.3			60	12.8
ROD10 R	10mm	0.3			60	15.8
ROD11 R	11mm	0.3			46	14.7
ROD12 R	12mm	0.3			33	12.5
ROD15 R	15mm	0.4			23	13.6
ROD20 R	20mm	0.5			16	16.9
ROD25 R	25mm	0.7			9	14.8

*Made to order