



## CCE PIPES (PTY) LTD

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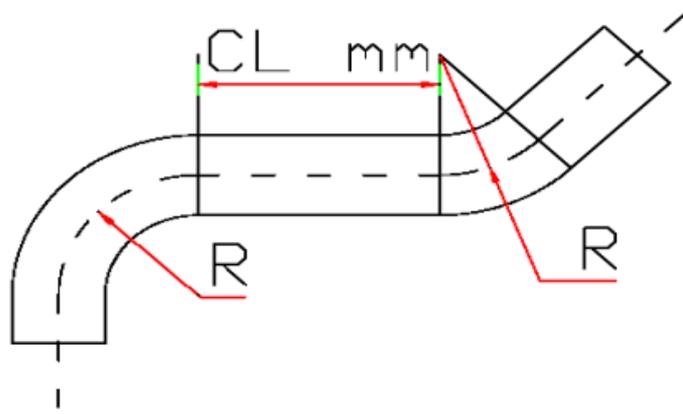
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### Design Parameters:

The purpose of this document is to assist clients with the design of their products, by providing parameters within which a product / part needs to fit, in order for us to bend it. Components that contain more than one bend per unit, require a minimum straight section between bends, in order to allow for the clamping of the tube, during the bending process. Refer to the clamp length column in the table.

Tube		Centre Line Radius R	Wall Thickness (in mm)			Clamp Length CL
Inches	mm		Stainless	Aluminium	Brass	
5/8"	6	30	1	Roundbar		90
	8	30	1	Roundbar		90
	10	30	1	Roundbar		90
	12	30	1	Roundbar		90
	15.88	48	1.5	1.5	1.5	115
3/4"	19.05	50	1.5	1.6	1.5	115
	20	50	Roundbar			115
15NB	21.34	50	2.11	n/a	n/a	41
1"	25	60	n/a	2	n/a	130
	25.4	65	1.5	3.18	1.2	130
	28	65	1.5	n/a	n/a	130
1 1/4"	28	65	Chrome Moly (2.5mm)			130
	30	75	1.5	2	n/a	130
	31.75	65	1.5	3.18	1.5	130
25NB	33.4	50	2.77	n/a	n/a	66
1 1/2"	38.1	57	1.5	n/a	n/a	100
1 1/2"	38.1	100	n/a	3.18	1.2	130
1 1/2"	38.1	150	1.5	n/a	n/a	100
1 5/8"	41.2	62	1.5	n/a	n/a	70
1 3/4"	44.5	121.5	Chrome Moly (2.5mm)			121.5
1 3/4"	44.5	130	n/a	3.18	n/a	135
40NB	48.24	76	2.77	n/a	n/a	98
2"	50.8	76	1.5	3.18	1.5	135
2"	50.8	101.6	1.5 & 2	n/a	1.5	110
2"	50.8	150	1.5	3.18	1.5	135
50NB	60.33	90	2.77	n/a	n/a	120
2 1/2"	63.5	95	1.5	3.18	n/a	170
2 1/2"	63.5	95.25	2	n/a	n/a	140
3"	76.2	150	1.5	3.18	n/a	190
3"	76.2	114.3	2	n/a	n/a	175
3 1/2"	88.9	133.35	2	n/a	n/a	210



R = Center Line Radius      CL = Clamp Length

We are able to bend any angle, up to and including 180°.

in 0.5° increments

in 0.1° increments

We also have the ability to roll tube, ranging from Ø15.88 to Ø88.9.

If you require any further information, please feel free to contact us at any time.

Sincerely

***Rudolph Fketmans***