

## CAPACITY CHART FOR TUBE WORKS ROTARY BENDERS

This chart reflects the machine capacity for average conditions.

Material		Machine Size: Hydraulic or Electric; NC or CNC				
		075	150	300	450	600
Round Tubing (Mild Steel - 40,000psi)	OD	3/4	2	3	6	6
	Wall	0.12	0.219	0.120	0.065	0.165
Steel Pipe - Schedule 80	Size	3/8	1 1/2	2	2 1/2	4
	OD	0.675	1.9	2.375	2.875	4.5
	Wall	0.126	0.200	0.218	0.276	0.337
	OD	3/4	2	2 1/2	3	4
Square Tube - Mild Steel	Wall	0.049	0.095	0.083	0.125	0.250
	OD	9/16	1 5/8	1 7/8	2.25	3 1/2
Round Bar - Mild Steel	OD	9/16	1 5/8	1 7/8	2.25	3 1/2
	Wall	0.049	0.095	0.083	0.125	0.250
Round Tubing (Stainless Steel - 60,000psi)	OD	3/4	2	3	5	4 1/2
	Wall	0.049	0.120	0.083	0.065	0.250
Round Tube (Non-ferous - 25,000psi)	OD	3/4	2	3	4 1/2	6
	Wall	0.065	0.250	0.250	0.125	0.250

Material		Metric (mm) Machine Size: Electric; CNC			
			30	50	80
Round Tubing (Mild Steel - 40,000psi)	OD		1.181 (30)	2 (50.8)	3.15 (80)
	Wall		.070 (1.8)	.079 (2.0)	.098 (2.5)
Steel Pipe - Schedule 80	Size		0.5 Sch 80	1.25 Sch 80	2 - Sch 40
	OD		0.84	1.66	2.375
	Wall		0.147	0.191	0.154
	OD		1 (25.4)	1.575 (40)	2 (50)
Square Tube - Mild Steel	Wall		0.047 (1.2)	.051 (1.8)	0.079 (2.0)
	OD		.472 (12)	1 (25)	1.375 (35)
Round Bar - Mild Steel	OD		.472 (12)	1 (25)	1.375 (35)
	Wall		0.047 (1.2)	.051 (1.8)	0.079 (2.0)
Round Tubing (Stainless Steel - 60,000psi)	OD		1.125 (28.6)	2 (50.8)	2.75 (70)
	Wall		0.039 (1.0)	.051 (1.3)	.065 (1.6)
Round Tube (Non-ferous - 25,000psi)	OD		1.181 (30)	2 (50.8)	3.15 (80)
	Wall		.126 (3.2)	.138 (3.5)	.177 (4.5)

Need help sizing a machine?

Give us a call and we would be glad to help.