

Mandrel Bend Tooling Chart

Precision tube bending in Titanium

To request a quote,
please contact us at info@goodfabs.com

Min Clamp Length		Outer Diameter		Centre Line Radius																				Wall Thickness															
																								swg	24	22	20	18	16	14									
				mm	38.1	41.3	44.5	47.6	50.8	54	57.2	60.3	61.4	63.5	69.9	76.2	82.6	88.9	95.3	101.6	108	114.3	127	139.7	146	150	152.4	200	mm	0.5	0.6	0.7	0.8	0.9	1	1.2	1.5	1.6	2
imp	mm	mm	imp	imp	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	5	5 1/2	5 3/4	6	in	.020		.028		.035		.048		.064	.068	.080		
5	125	38.1	1 1/2		90		90		90		90		90		90		90		90		90		90		90														
5	125	41.3	1 5/8			90							90		90		90		90		90		90		90														
5	125	44.5	1 3/4				90		90		90		90		90		90		90		90		90		90														
5	125	47.6	1 7/8					90		90		90		90		90		90		90		90		90		90													
6.5	165	50.8	2						90		90		90	90	90	90		90		90		90		90		90													
7	175	57.2	2 1/4							90		90	90	90		90		90		90		90		90		90													
6.5	165	60.3	2 3/8							90		90		90	90		90		90		90		90		90														
7	175	63.5	2 1/2										90	90	90	90	90		90		90		90		90														
7	175	69.9	2 3/4												90		90																					90	
8	200	76.2	3													90				90																			

To request a quote, please contact us at info@goodfabs.com and include the following details:

1. The material you are looking for (eg titanium)
2. The Outer Diameter (OD) of the tube and the Centre Line Radius (CLR) corresponding to your chosen OD
3. The Wall Thickness (WT) of the tube
4. The bend angle and any tail length needed. Please note that for bends with tighter CLR's, longer tail lengths may not be achievable
5. Quantity required

Due to the vast amount of possible bend variations, we do not stock bends.

We make them to order in short timeframes - normally 1 - 2 weeks

Please contact us if you need help with this chart or with any tooling that is not on this chart.

For aluminium, inconel and stainless steel tube bending, please see our separate Tooling Chart.

