



Mandrel Diameter			Max. Tube Length	
IN	IN	MM	IN	MM

Round				
0.081		2.06	30	762
0.094	3/32	2.39	30	762
0.106		2.69	66	1676
0.118		3.00	66	1676
0.125	1/8	3.18	66	1676
0.127		3.23	66	1676
0.128		3.25	66	1676
0.134		3.40	18	457
0.140		3.56	66	1676
0.141		3.57	66	1676
0.156	5/32	3.96	66	1676
0.170		4.32	42	1067
0.178		4.52	66	1676
0.188	3/16	4.78	78	1981
0.197		5.00	42	1067
0.203		5.16	66	1676
0.205		5.21	96	2438
0.250	1/4	6.35	98	2489
0.256		6.50	98	2489
0.266		6.76	66	1676
0.279		7.09	96	2438
0.281	9/32	7.14	66	1676
0.296		7.52	98	2489
0.299		7.59	96	2438
0.313	5/16	7.95	98	2489
0.335		8.51	98	2489
0.344	11/32	8.74	30	762
0.349		8.86	96	2438
0.355		9.02	96	2438
0.375	3/8	9.53	98	2489
0.379		9.63	98	2489
0.394		10.01	98	2489
0.399		10.13	96	2438
0.406	13/32	10.31	98	2489
0.418		10.62	96	2438
0.438	7/16	11.13	98	2489



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Mandrel Diameter			Max. Tube Length	
IN	IN	MM	IN	MM
0.449		11.40	96	2438
0.453		11.51	96	2438
0.462		11.73	66	1676
0.472		12.00	98	2489
0.478		12.14	98	2489
0.500	1/2	12.70	97	2464
0.530		13.46	66	1676
0.540		13.72	96	2438
0.551		14.00	98	2489
0.563	9/16	14.30	98	2489
0.571		14.50	96	2438
0.590		14.99	96	2438
0.594	19/32	15.09	96	2438
0.618		15.70	99	2515
0.625	5/8	15.88	98	2489
0.630		16.00	96	2438
0.646		16.41	96	2438
0.650		16.51	96	2438
0.656		16.66	96	2438
0.660		16.76	99	2515
0.661		16.79	96	2438
0.681		17.30	96	2438
0.688	11/16	17.48	96	2438
0.697		17.70	96	2438
0.700		17.78	98	2489
0.709		18.01	98	2489
0.713		18.11	96	2438
0.719	23/32	18.26	66	1676
0.724		18.39	96	2438
0.740		18.80	96	2438
0.750	3/4	19.05	96	2438
0.755		19.18	98	2489
0.760		19.30	96	2438
0.768		19.51	98	2489
0.780		19.81	96	2438
0.781	25/32	19.84	66	1676
0.787		20	98	2489
0.791		20.09	96	2438



Mandrel Diameter			Max. Tube Length	
IN	IN	MM	IN	MM
0.798		20.27	98	2489
0.811		20.60	96	2438
0.813	13/16	20.65	98	2489
0.827		21.01	96	2438
0.843		21.41	96	2438
0.844	27/32	21.44	66	1676
0.858		21.79	96	2438
0.866		22.00	98	2489
0.870		22.10	96	2438
0.875	7/8	22.23	98	2489
0.880		22.35	98	2489
0.886		22.50	96	2438
0.906	29/32	23.01	66	1676
0.938	15/16	23.83	96	2438
0.945		24.00	98	2489
0.961		24.41	74	1880
0.984		24.99	98	2489
1.000	1	25.40	98	2489
1.026		26.06	98	2489
1.055		26.80	98	2489
1.062	1 1/16	26.97	98	2489
1.102		28.00	98	2489
1.125	1 1/8	28.58	98	2489
1.184		30.07	96	2438
1.188	1 3/16	30.18	98	2489
1.250	1 1/4	31.75	97	2464
1.300		33.02	96	2438
1.313	1 5/16	33.35	98	2489
1.332	1 1/3	33.83	96	2438
1.375	1 3/8	34.93	97	2464
1.474		37.44	96	2438
1.500	1 1/2	38.10	97	2464
1.560		39.62	96	2438
1.625	1 5/8	41.28	96	2438
1.750	1 3/4	44.45	96	2438
1.805		45.85	98	2489
1.809		45.95	30	762
1.812	1 13/16	46.02	96	2438



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Mandrel Diameter			Max. Tube Length	
IN	IN	MM	IN	MM
1.850		46.99	96	2438
1.860		47.24	96	2438
1.866		47.40	96	2438
1.875	1 7/8	47.63	96	2438
2.000	2	50.80	96	2438
2.010		51.05	30	762
2.108		53.54	96	2438
2.125	2 1/8	53.98	96	2438
2.250	2 1/4	57.15	96	2438
2.333	2 1/3	59.26	96	2438
2.375	2 3/8	60.33	96	2438
2.500	2 1/2	63.50	96	2438
2.750	2 3/4	69.85	96	2438
2.875	2 7/8	73.03	97	2464
2.910		73.91	20	508
3.000	3	76.20	97	2464
3.125	3 1/8	79.38	96	2438
3.180		80.77	30	762
3.750	3 3/4	95.25	36	914
4.000	4	101.60	96	2438
4.250	4 1/4	107.95	36	914
4.360		110.74	30	762
4.500	4 1/2	114.30	96	2438
5.565		141.35	66	1676
7.750	7 3/4	196.85	22	558.8



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Mandrel Diameter			Radius	Max. Tube Length	
IN	IN	MM	IN	IN	MM

Square

0.437	7/16	11.10	0.031	36	1065
0.663		16.84	0.063	54	1370
0.750	3/4	19.05	0.125	54	1370
0.881		22.38	0.005	66	1675
1.000	1	25.40	0.125	96	2440
1.125	1 1/8	28.58	0.125	96	2440
1.250	1 1/4	31.75	0.094	96	2440
1.500	1 1/2	38.10	0.125	96	2440
1.688	1 11/16	42.88	0.125	96	2440
1.750	1 3/4	44.45	0.125	96	2440
2.000	2	50.80	0.188	96	2440
2.500	2 1/2	63.50	0.005	96	2440
3.000	3	76.20	0.005	96	2440
3.437	3 7/16	87.30	0.125	96	2440
4.000	4	101.60	0.200	96	2440
4.460		113.28	0.125	96	2440
4.990	5	126.75	0.125	78	1980
5.978	6	151.84	0.005	96	2440



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Notes and Comments

- **Mandrel Diameter:** Outside diameter of the mandrel. This will be the approximate tube inside diameter. Actual tube ID is part specific and dependent on laminate design, mandrel material, and other factors.
- **Maximum Tube Length:** Max tube length is material and part specific. Some unique materials and designs have length restrictions.
- **Shapes:** Square, rectangles and hexagons are measured flat to flat.
- **Capacity:** Weekly master tube capacity is based on number of mandrels and other orders. Check with sales at time of order for current weekly capacity.
- **Other Sizes:** Our mandrel list is ever changing. If you do not see the mandrel diameter you need, reach out to our sales team for an updated list.



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Mandrel Diameter				Radius	Max. Tube Length	
OD-1 (IN)	OD-2 (IN)	OD-1 (MM)	OD-2 (MM)	IN	IN	MM

Rectangle

1.000	2.000	25.40	50.80	0.063	96	2440
1.500	3.000	38.10	76.20	0.005	96	2440
1.815	2.337	46.10	59.36	0.045	52	1320
2.000	3.000	50.80	76.20	0.125	96	2440
2.000	4.000	50.80	101.60	0.062	96	2440
3.000	5.000	76.20	127.00	0.005	96	2440



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Mandrel Diameter			Max. Tube Length	
IN	IN	MM	IN	MM

Hexagon				
0.500	1/2	12.70	48	1220
0.595		15.11	36	915
0.625	5/8	15.88	78	1980
0.750	3/4	19.05	78	1980
0.875	7/8	22.23	78	1980
1.000	1	25.40	96	2400
1.125	1 1/8	28.58	78	1980
1.250	1 1/4	31.75	78	1980
1.375	1 3/8	34.93	78	1980



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