



# Segmented Mortise and Tenon Templates for the PantoRouter®

Mortise Bit Size	1/8" M&T	1/4" M&T	5/16" M&T	3/8" M&T	1/2" M&T	3/4" M&T	1" M&T	Segment Combinations								
Guide Bearing	6mm	10mm	12mm	15mm	22mm	35mm	48mm	All tenons use the 1/2" bit and guide bearings listed to left								
Mortise and Tenon Width (Rounded to 1/16")	3/4	7/8	15/16	1	1 1/8	1 3/8	1 5/8	●	●	Circle marked round-end pieces only						
	1	1 1/8	1 3/16	1 1/4	1 3/8	1 5/8	1 7/8	▲	▲	Triangle marked round-end pieces only						
	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 7/8	2 1/8	●	1/2"	End pieces with segments of various combinations						
	1 1/2	1 5/8	1 11/16	1 3/4	1 7/8	2 1/8	2 3/8	▲	1/2"							
	1 3/4	1 7/8	1 15/16	2	2 1/8	2 3/8	2 5/8	●	1"							
	2	2 1/8	2 3/16	2 1/4	2 3/8	2 5/8	2 7/8	▲	1"							
	2 1/4	2 3/8	2 7/16	2 1/2	2 5/8	2 7/8	3 1/8	●	1 1/2"							
	2 1/2	2 5/8	2 11/16	2 3/4	2 7/8	3 1/8	3 3/8	▲	1 1/2"							
	2 3/4	2 7/8	2 15/16	3	3 1/8	3 3/8	3 5/8	●	1"	1"	●					
	3	3 1/8	3 3/16	3 1/4	3 3/8	3 5/8	3 7/8	▲	1"	1"	▲					
	3 1/4	3 3/8	3 7/16	3 1/2	3 5/8	3 7/8	4 1/8	●	1"	1/2"	1"	●				
	3 1/2	3 5/8	3 11/16	3 3/4	3 7/8	4 1/8	4 3/8	▲	1"	1/2"	1"	▲				
	3 3/4	3 7/8	3 15/16	4	4 1/8	4 3/8	4 5/8	●	1"	1"	1"	●				
	4	4 1/8	4 3/16	4 1/4	4 3/8	4 5/8	4 7/8	▲	1"	1"	1"	▲				
	4 1/4	4 3/8	4 7/16	4 1/2	4 5/8	4 7/8	5 1/8	●	1"	1 1/2"	1"	●				
	4 1/2	4 5/8	4 11/16	4 3/4	4 7/8	5 1/8	5 3/8	▲	1"	1 1/2"	1"	▲				
	4 3/4	4 7/8	4 15/16	5	5 1/8	5 3/8	5 5/8	●	1 1/2"	1"	1"	1"	1/2"	●		
	5	5 1/8	5 3/16	5 1/4	5 3/8	5 5/8	5 7/8	▲	1 1/2"	1"	1"	1"	1/2"	▲		
	5 1/4	5 3/8	5 7/16	5 1/2	5 5/8	5 7/8	6 1/8	●	1 1/2"	1"	1"	1"	1"	●	*	
	5 1/2	5 5/8	5 11/16	5 3/4	5 7/8	6 1/8	6 3/8	▲	1 1/2"	1"	1"	1"	1"	▲	*	
	5 3/4	5 7/8	5 15/16	6	6 1/8	6 3/8	6 5/8	●	1 1/2"	1"	1"	1/2"	1"	●		
	6	6 1/8	6 3/16	6 1/4	6 3/8	6 5/8	6 7/8	▲	1 1/2"	1"	1"	1/2"	1"	▲		

Mortise and Tenon Width (Rounded to 1/16")	3/4	7/8	15/16	1	1 1/8	1 3/8	1 5/8	■	■	Square-end pieces only							
	1 1/4	1 3/8	1 7/16	1 1/2	1 5/8	1 7/8	2 1/8	■	1/2"	■	End pieces with segments of various combinations						
	1 3/4	1 7/8	1 15/16	2	2 1/8	2 3/8	2 5/8	■	1"	■							
	2 1/4	2 3/8	2 7/16	2 1/2	2 5/8	2 7/8	3 1/8	■	1 1/2"	■							
	2 3/4	2 7/8	2 15/16	3	3 1/8	3 3/8	3 5/8	■	1"	■							
	3 1/4	3 3/8	3 7/16	3 1/2	3 5/8	3 7/8	4 1/8	■	1"	1/2"	1"	■					
	3 3/4	3 7/8	3 15/16	4	4 1/8	4 3/8	4 5/8	■	1"	1"	1"	■					
	4 1/4	4 3/8	4 7/16	4 1/2	4 5/8	4 7/8	5 1/8	■	1"	1 1/2"	1"	■					
	4 3/4	4 7/8	4 15/16	5	5 1/8	5 3/8	5 5/8	■	1 1/2"	1"	1"	1/2"	■				
	5 1/4	5 3/8	5 7/16	5 1/2	5 5/8	5 7/8	6 1/8	■	1 1/2"	1"	1"	1"	■	*			
	5 3/4	5 7/8	5 15/16	6	6 1/8	6 3/8	6 5/8	■	1 1/2"	1"	1"	1/2"	1"	■			

\*Note: On the 5 1/2" and 5 3/4" round end M&T and the 5 1/2" square end M&T, there is not a centering hole. Align the ends to be equidistant from center using a square for these sizes.



● Indicates the round-end pieces with the circle mark. These together make a 1" M&T X 3/8" thick (other sizes according to the chart above)

▲ Indicates the round-end pieces with the triangle mark. These together make a 1-1/4" M&T X 3/8" thick (other sizes according to the chart above)

■ Indicates the square-end pieces. These together make a 1" M&T X 3/8" thick.

The square-end templates do not have steps in the mortise slot since these will always be through M&T and the ends of the mortise will need to be squared with a chisel