



I-Box Decorative Joinery Stock Width Chart



Center Keyed Box Joint

Formula for Stock Width: $\text{Stock Width} = (\text{Total Pins} + 1/2) \times \text{Kerf}$
 Note: Total pins must be an odd number

KERF	PINS	WIDTH
1/8*	7	15/16
	9	1-3/16
	11	1-7/16
	13	1-11/16
	15	1-15/16
	17	2-3/16
	19	2-7/16
3/16	7	1-13/32
	9	1-25/32
	11	2-5/32
	13	2-17/32
	15	2-29/32
	17	3-9/32
	19	3-21/32
1/4	7	1-7/8
	9	2-3/8
	11	2-7/8
	13	3-3/8
	15	3-7/8
	17	4-3/8
	19	4-7/8
5/16	7	2-11/32
	9	2-31/32
	11	3-19/32
	13	4-7/32
	15	4-27/32
	17	5-15/32
	19	6-3/32
3/8	7	2-13/16
	9	3-9/16
	11	4-5/16
	13	5-1/16
	15	5-13/16
	17	6-9/16
	19	7-5/16

KERF	PINS	WIDTH
7/16	7	3-9/32
	9	4-5/32
	11	5-1/32
	13	5-29/32
	15	6-25/32
	17	7-21/32
	19	8-17/32
1/2	7	3-3/4
	9	4-3/4
	11	5-3/4
	13	6-3/4
	15	7-3/4
	17	8-3/4
	19	9-3/4
9/16	7	4-7/32
	9	5-11/32
	11	6-15/32
	13	7-19/32
	15	8-23/32
	17	9-27/32
	19	10-31/32
5/8	7	4-11/16
	9	5-15/16
	11	7-3/16
	13	8-7/16
	15	9-11/16
	17	10-15/16
	19	12-3/16
3/4	7	5-5/8
	9	7-1/8
	11	8-5/8
	13	10-1/8
	15	11-5/8
	17	13-1/8
	19	14-5/8

*1/8" kerf cuts not recommended for saw stop table saws

Splined Box Joint

Formula for Stock Width: $\text{Stock Width} = (\text{Kerf} \times 1.5) \times (\text{Number of Splines} + 1)$
 Note: Minimum Kerf width for the Splined Box Joint is 1/4"

KERF	SPLINES	WIDTH
1/4	4	1-7/8
	6	2-5/8
	8	3-3/8
	10	4-1/8
	12	4-7/8
5/16	4	2-11/32
	6	3-9/32
	8	4-7/32
	10	5-5/32
	12	6-3/32
3/8	4	2-13/16
	6	3-15/16
	8	5-1/16
	10	6-3/16
	12	7-5/16
7/16	4	3-9/32
	6	4-19/32
	8	5-29/32
	10	7-7/32
	12	8-17/32

KERF	SPLINES	WIDTH
1/2	4	3-3/4
	6	5-1/4
	8	6-3/4
	10	8-1/4
	12	9-3/4
9/16	4	4-7/32
	6	5-29/32
	8	7-19/32
	10	9-9/32
	12	10-31/32
5/8	4	4-11/16
	6	6-9/16
	8	8-7/16
	10	10-5/16
	12	12-3/16
3/4	4	5-5/8
	6	7-7/8
	8	10-1/8
	10	12-3/8
	12	14-5/8