Never Fail Blade Chart

Project	Material*	Thickness** (or overall thickness of stack)	Blade Size	Tooth Configuration
FRETWORK & PORTRAITS	Hardwood, softwood, plywood	¼" or thinner	#2/0 to #1	Reverse-tooth or spiral reverse-tooth
	Hardwood, softwood, plywood	¼" to ½"	#1 to #2	
	Hardwood (less dense), softwood, plywood	½" to ¾"	#3 to #4	
	Hardwood (dense)	½" to ¾"	#4 to #5	
	Hardwood (less dense), softwood, plywood	¾" to 1"	#4 to #6	
	Hardwood (dense)	¾" to 1"	#5 to #7	
PUZZLE	Hardwood, softwood, plywood	¼" or thinner	#2/0 to #1	Reverse-tooth
	Hardwood, softwood, plywood	¼" to ½"	#1 to #2	
	Hardwood, softwood, plywood	½" to ¾"	#3 to #4	
	Hardwood (less dense), softwood	¾" to 1"	#4 to #6	
	Hardwood (dense)	¾" to 1"	#5 to #7	
GENERAL	Hardwood, softwood, plywood	¼" or thinner	#2/0 to #1	Skip-tooth or reverse-tooth
	Hardwood, softwood, plywood	¼" to ½"	#1 to #2	
	Hardwood, softwood, plywood	½" to ¾"	#3 to #4	
	Hardwood (less dense), softwood, plywood	¾" to 1"	#4 to #6	
	Hardwood (dense)	¾" to 1"	#5 to #7	
COMPOUND	Hardwood (less dense), softwood	¾" (19mm) to 1"	#4 to #7	Skip-tooth
	Hardwood (dense)	¾" to 1"	#5 to #7	
	Hardwood (less dense), softwood	1" and thicker	#7	
	Hardwood (dense)	1" and thicker	#9	
INTARSIA & SEGMENTATION	Hardwood (less dense), softwood	½" to 1"	#3 to #6	
	Hardwood (dense)	½" to 1"	#5 to #7	
	Hardwood (less dense), softwood	1" and thicker	#5 to #7	
	Hardwood (dense)	1" and thicker	#7 to #9	

* Dense hardwood includes species such as maple or oak. Less dense hardwood includes species such as cherry or walnut.
** ¼"=6mm; ½"=13mm; ¾"=19mm; 1"=25mm