






OLSON®

Scroll Saw Blades

Selection Chart

Olson No.	Univ. No.	Width	Thickness	TPI/No. Rev.	Tooth Style	Pilot Hole	Application	Material	Finish
PGT® Precision Ground Tooth (The Best!)								 Skip Tooth PGT  Double Tooth PGT	
455RG	5RG	.045"	.018"	12/9	Skip	1/16"	Ultra smooth finish, straight or close radius cutting, splinter-free, clean edges		
457RG	7RG	.047"	.018"	10/7	Skip	1/16"			
459RG	9RG	.049"	.018"	8/6	Skip	1/16"			
495RG	5RG	.045"	.018"	12/8	Double	1/16"			
497RG	7RG	.047"	.018"	10.5/8	Double	1/16"			
499RG	9RG	.049"	.018"	9/6	Double	1/16"			
Crown Tooth™									
620	2/0	.024"	.011"	20	Crown	1/32"	Veining, line art, extreme radius cutting		
622	2	.026"	.013"	20	Crown	3/64"	Extreme radius, delicate fretwork		
623	3	.032"	.014"	16	Crown	3/64"	Tight radius fretwork		
625	5	.038"	.016"	16	Crown	1/16"	Close radius fretwork, general purpose		
627	7	.045"	.017"	11	Crown	1/16"	Close radius, general purpose		
629	9	.053"	.018"	6	Crown	1/16"	General purpose, multi-layers		
632	12	.065"	.024"	6	Crown	5/64"	Heavy duty for faster cuts		
Reverse Tooth									
440R	2/0	.022"	.010"	28/21	Skip	1/32"	Veining, line art, extreme radius cutting		
443R	2R	.029"	.012"	20/14	Skip	3/64"	Extreme radius, delicate fretwork		
446R	5R	.038"	.016"	12.5/9	Skip	3/64"	Close radius fretwork, general purpose		
448R	7R	.047"	.017"	11.5/8	Skip	1/16"	Close radius, general purpose		
450R	9R	.054"	.019"	11.5/8	Skip	1/16"	General purpose, multi-layers		
453R	12R	.062"	.024"	9.5/6	Skip	5/64"	Heavy duty for faster cuts		
420R	-	.100"	.022"	9/5	Skip	1/8"	For cutting thick wood and multi-layers		
Flat End Spiral									
468	2	-	.035"	41	-	5/64"	Medium speed and medium finish of hard and soft wood, plaster, and wallboard		
469	4	-	.041"	36	-	7/64"			
Spiral									
461	0	-	.032"	46	-	3/64"	Bevel cut letters, etc., medium finish fretwork and workpieces too large to turn		
463	2	-	.035"	41	-	5/64"			
465	4	-	.041"	36	-	7/64"			

- Material**
- Hard Wood 1/2" - 3/4"
 - Hard Wood to 1 1/2"
 - Soft Wood to 1/2" - 3/4"
 - Soft Wood to 1 1/2"
 - Veneer/Thin Wood to 3/16"
 - Plywood
 - MDF
 - Particle Board
 - Corian 1/8" - 1/2"
 - Plastic 1/2" - 3/4"
 - Non Ferrous Metal
 - Aluminum
 - Smooth
 - Splinter-Free
 - Medium
- Finish**

Recommended

Can Use

Not Recommended

PGT® blades have razor sharp reverse teeth with widely spaced gullets for cutting straighter, faster, smoother, more accurately. PGT's minimize burning and provide the ultimate sand-free, splinterless finish with a clean edge. Double tooth style is especially good for cutting hard woods.

Hint! Reverse Tooth blades work best with 1-2 reverse teeth showing above the table on the upstroke! Adjust blade in holder or trim when necessary.

Unique **Crown Tooth** blades cut on both up and down strokes. Two way cutting action provides a smooth, splinterless finish, and clean edges. When worn, the blade can be turned over for cutting with a fresh set of teeth!

Hint! Tension blade properly! With reasonable force the center of the blade should not move more than 1/8" front to back. Too little tension weakens performance.

Reverse Tooth blades have skip style teeth and reverse teeth that eliminate underside tearout and provide a smooth, splinterless finish.

Hint! More teeth per inch provide a finer cut (good for soft wood). Less TPI provide a coarser cut (good for hard wood). Use the highest number blade for your application (larger blades are more durable).

Flat End Spiral blades are the same as our regular spiral blades, but with flat ends for easier blade installation and retention. Offered in the two most popular sizes.

Spiral blades saw in all directions with 360° cutting capability. Excellent for 0° radius scroll/fret work - no need to turn the workpiece. Bevel cut letters and numbers.

OLSON®

Scroll Saw Blades

Selection Chart

Material	Finish
Hard Wood 1/2" - 3/4"	Recommended
Hard Wood to 1 1/2"	Can Use
Soft Wood to 1 1/2"	Can Use
Soft Wood to 12" - 3/4"	Can Use
Veneer/Thin Wood to 1 1/2"	Can Use
Plywood	Can Use
MDF	Can Use
Particle Board	Can Use
Corian 1/8" - 1/2"	Can Use
Plastic 1/2" - 3/4"	Can Use
Non Ferrous Metal	Can Use
Aluminum	Can Use
Smooth	Can Use
Splinter-Free	Can Use
Medium	Can Use

Recommended ■
 Can Use ■
 Not Recommended ■

Olson No.	Univ. No.	Width	Thickness	TPI/No. Rev.	Tooth Style	Pilot Hole	Application
Thick Wood							
408	-	.080"	.018"	7	Hook	3/32"	Thick wood - up to 2" without burning!
Skip Tooth							
400	3/0	.022"	.008"	33	Skip	1/32"	Ultra intricate sawing, veining, line art, close knit jig saw puzzles
440	2/0	.022"	.010"	28	Skip	1/32"	Extremely intricate sawing, veining, line art
443	2	.029"	.012"	20	Skip	3/64"	Tight radius work, fretwork
445	4	.035"	.015"	15	Skip	1/16"	Tight radius work, fretwork
446	5	.038"	.016"	12.5	Skip	1/16"	Close radius cutting
448	7	.045"	.017"	11.5	Skip	1/16"	General Purpose
450	9	.053"	.018"	11.5	Skip	1/16"	General Purpose
453	12	.062"	.024"	9.5	Skip	5/64"	Heavy duty for fast cuts
Pinned							
424P	-	.070"	.010"	18.5	Skip	3/16"	Skip style teeth/ Very thin cuts
405P	-	.110"	.018"	20	Reg.	3/16"	Regular style teeth/ thin cuts
410P	-	.100"	.018"	7	Hook	3/16"	Thick wood, up to 2" without burning!
411P	-	.110"	.018"	15	Reg.	3/16"	General purpose, regular style teeth
412P	-	.110"	.018"	10	Reg.	3/16"	Regular style teeth, fast cutting
420RP	-	.110"	.018"	9/5	Skip	3/16"	Heavy duty widely-spaced set teeth for fast cutting
Double Tooth							
432	3/0	.023"	.008"	33	Dbl.	1/32"	Ultra intricate sawing, veining, line art, close knit jig saw puzzles
433	2/0	.023"	.011"	37	Dbl.	1/32"	Veining, line art & marquetry
434	1	.026"	.013"	30	Dbl.	3/64"	Delicate fretwork
435	3	.032"	.014"	23	Dbl.	3/64"	Extremely intricate sawing
436	5	.038"	.016"	16	Dbl.	1/16"	Tight radius work
437	7	.044"	.018"	13	Dbl.	1/16"	Close radius cutting
438	9	.053"	.018"	11	Dbl.	1/16"	General purpose
439	12	.061"	.022"	10	Dbl.	5/64"	Heavy duty, fast cuts
Metal Cutting							
485	-	.041"	.019"	30	Reg.	-	Very thin metal sheets
487	-	.049"	.022"	25	Reg.	-	Thin metal sheets
490	-	.070"	.023"	20	Reg.	-	Thicker metal sheets

Hint! (All Blades) For best performance, use lower numbers for thinner stock and higher numbers for thicker stock.

Skip tooth blades are excellent for fast cuts that provide smooth finishes and good chip clearance.

Hint! (All Blades) For best performance, use lower numbers for tighter radii and higher numbers for more general purpose cuts.

Pinned scroll saw blades are for machines that require 5" pinned blades. They are perfect for Sears Craftsman, Penn State, Delta, Ryobi and all 15" and 16" imported scroll saws that require pinned blades.

Hint! Slow feed rate down! Relax! Let the blade do the cutting to minimize burning. Also, use a lube stick on the blade or clear shipping tape on the workpiece to inhibit scorching.

Double tooth blades have two teeth together followed by a flat space for efficient chip removal. They cut fast, leaving clean edges in wood and plastic.

Metal cutting blades have more teeth per inch required for cutting thin metal and other hard materials.