

Scroll Saw Blade Selection Chart

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Olson UPC No. Univ. No. Width Thickness TPI/ No. Rev. Tooth Style Pilot Hole

Application

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

Recommended
Can Use
Not Recommended

PGT® Precision Ground Tooth (The Best!)

Skip Tooth PGT
Double Tooth PGT

45502	5RG	.045"	.018"	12/9	Skip	1/16"	Most accurate and durable, lasts three to four times longer than other scroll saw blades, ultra smooth finish, straight or close radius cutting, splinter-free with clean edges on top and bottom surfaces
45702	7RG	.047"	.018"	10/7	Skip	1/16"	
45902	9RG	.049"	.018"	8/6	Skip	1/16"	
49502	5RG	.045"	.018"	12/8	Double	1/16"	
49702	7RG	.047"	.018"	10.5/8	Double	1/16"	
49902	9RG	.049"	.018"	9/6	Double	1/16"	

PGT® blades have razor sharp reverse teeth with widely spaced gullets for cutting straighter, faster, smoother, more accurately. PGT's minimize burning & 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.

Crown Tooth™

62000	2/0	.024"	.011"	20	Crown	1/32"	Veining, line art, extreme radius cutting
62200	2	.026"	.013"	20	Crown	3/64"	Extreme radius, delicate fretwork
62300	3	.032"	.014"	16	Crown	3/64"	Tight radius fretwork
62500	5	.038"	.016"	16	Crown	1/16"	Close radius fretwork, general purpose
62700	7	.045"	.017"	11	Crown	1/16"	Close radius, general purpose
62900	9	.053"	.018"	6	Crown	1/16"	General purpose, multi-layers
63200	12	.065"	.024"	6	Crown	5/64"	Heavy duty for faster cuts

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

44002	2/0	.022"	.010"	28/21	Skip	1/32"	Veining, line art, extreme radius cutting
44302	2R	.029"	.012"	20/14	Skip	3/64"	Extreme radius, delicate fretwork
44602	5R	.038"	.016"	12.5/9	Skip	3/64"	Close radius fretwork, general purpose
44802	7R	.047"	.017"	11.5/8	Skip	1/16"	Close radius, general purpose
45002	9R	.054"	.019"	11.5/8	Skip	1/16"	General purpose, multi-layers
45302	12R	.062"	.024"	9.5/6	Skip	5/64"	Heavy duty for faster cuts
42002	-	.100"	.022"	9/5	Skip	1/8"	For cutting thick wood and multi-layers

Reverse Tooth blades have skip style teeth and reverse teeth that eliminate underside tear-out and provide a smooth, splinter-free 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

46800	2	-	.035"	41	-	5/64"	Medium speed and medium finish of hard and soft wood, plaster, and wallboard
46900	4	-	.041"	36	-	7/64"	

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

Spiral

46100	0	-	.032"	46	-	3/64"	Bevel cut letters, etc., medium finish fretwork and workpieces too large to turn
46300	2	-	.035"	41	-	5/64"	
46500	4	-	.041"	36	-	7/64"	

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.

NEW! Mach Speed™

64302	3R	.032"	.014"	13/7	Skip	3/64"	Accurate tight radius cuts
64502	5R	.038"	.016"	13/7	Skip	5/64"	Steady close radius cuts
64702	7R	.046"	.017"	8/6	Skip	7/64"	Fast close radius cuts
64902	9R	.055"	.018"	8/6	Skip	3/64"	Fast close radius cuts in thicker wood

The Olson Saw Co.
Bethel, CT 06801 USA
www.olsonsaw.net
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Olson
UPC
No. Univ.
No. Width Thickness TPI/
No. Rev. Tooth
Style Pilot
Hole

Application

Material

Finish

Recommended
Can Use
Not Recommended

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 1 1/2"
Plywood
MDF
Particle Board
Corian 1/8" - 1/2"
Plastic 1/2" - 3/4"
Non Ferrous Metal
Aluminum
Smooth
Splinter-Free
Medium

Thick Wood

40800 - .080" .018" 7 Hook 3/32"

Thick wood - up to 2" without burning!

Skip Tooth

40000 3/0 .022" .008" 33 Skip 1/32"

Ultra intricate sawing, veining, line art, close knit jig saw puzzles

44000 2/0 .022" .010" 28 Skip 1/32"

Extremely intricate sawing, veining, line art

44300 2 .029" .012" 20 Skip 3/64"

Tight radius work, fretwork

44500 4 .035" .015" 15 Skip 1/16"

Tight radius work, fretwork

44600 5 .038" .016" 12.5 Skip 1/16"

Close radius cutting

44800 7 .045" .017" 11.5 Skip 1/16"

General Purpose

45000 9 .053" .018" 11.5 Skip 1/16"

General Purpose

45300 12 .062" .024" 9.5 Skip 5/64"

Heavy duty for fast cuts

Pin End

42401 - .070" .010" 18.5 Skip 3/16"

Skip style teeth/ Very thin cuts

40501 - .100" .018" 20 Reg. 3/16"

Regular style teeth/ thin cuts

41001 - .100" .018" 7 Hook 3/16"

Thick wood, up to 2" without burning!

41101 - .100" .018" 15 Reg. 3/16"

General purpose, regular style teeth

41201 - .100" .018" 10 Reg. 3/16"

Regular style teeth, fast cutting

42003 - .100" .018" 9/5 Skip 3/16"

Heavy duty widely-spaced set teeth for fast cutting

42701 - .070" .010" 25 Reg. 3/16"

Regular style teeth/ fine cuts

Double Tooth

43200 3/0 .023" .008" 33 Double 1/32"

Ultra intricate sawing, veining, line art, close knit jig saw puzzles

43300 2/0 .023" .011" 37 Double 1/32"

Veining, line art & marquetry

43400 1 .026" .013" 30 Double 3/64"

Delicate fretwork

43500 3 .032" .014" 23 Double 3/64"

Extremely intricate sawing

43600 5 .038" .016" 16 Double 1/16"

Tight radius work

43700 7 .044" .018" 13 Double 1/16"

Close radius cutting

43800 9 .053" .018" 11 Double 1/16"

General purpose

43900 12 .061" .022" 10 Double 5/64"

Heavy duty, fast cuts

Scroll Saw Files

42101 - .156" .056" (Pin End) 3/16"

For wood, plaster, greenware, soapstone and non-ferrous metals. Turns your scroll saw into a power sander!

42100 - .156" .056" (Plain End) 3/16"

NEW! ScrollSanders

91262 -1/4" wide 91564 -1/2" wide (Pin End) see widths

80, 120, 180 & 220 grit packs available. Assortment packs listed at left. Mount sanding belts like blades on scroll saws to smooth out cutting lines.

92262 -1/4" wide 92564 -1/2" wide (Plain End) see widths

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. Univ No. 3/0 - 5 blade sizes can be used to cut cold rolled steel, copper, brass, aluminum sheet and bronze. Soft metal up to 1/8" thick can be cut easily, whether single sheets or several thin sheets in a stack cut.

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

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

ScrollSanders can be used on most 5" scroll saws. Modifications may be needed. Check Olson's recommendations for various models and complete listings.