

Scroll Saw Blade Selection Chart

OLSON
www.olsonaw.net

Material
Hard Wood 1/2" - 3/4"
Hard Wood to 1 1/2"
Soft Wood to 1 1/2" - 3/4"
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

Recommended
Can Use
Not Recommended

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

PGT [®] Precision Ground Tooth (The Best!)							Skip Tooth PGT		Double Tooth PGT	
PG45502	5RG	.044"	.018"	12/9	Skip	1/16"				
PG45702	7RG	.046"	.018"	10/7	Skip	1/16"				
PG45902	9RG	.048"	.018"	8/6	Skip	1/16"				
PG49502	5RG	.045"	.018"	12/8	Double	1/16"				
PG49702	7RG	.047"	.018"	10/5/8	Double	1/16"				
PG49902	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 [™]							Veining, line art, extreme radius cutting		Extreme radius, delicate fretwork		Tight radius fretwork		Close radius fretwork, general purpose		Close radius, general purpose		General purpose, multi-layers		Heavy duty for faster cuts	
CT62000	2/0	.024"	.011"	20	Crown	1/32"														
CT62200	2	.026"	.013"	20	Crown	3/64"														
CT62300	3	.032"	.014"	16	Crown	3/64"														
CT62500	5	.038"	.016"	16	Crown	1/16"														
CT62700	7	.045"	.017"	11	Crown	1/16"														
CT62900	9	.053"	.018"	6	Crown	1/16"														
CT63200	12	.065"	.024"	6	Crown	5/64"														

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							Veining, line art, extreme radius cutting		Extreme radius, delicate fretwork		Close radius fretwork, general purpose		Close radius, general purpose		General purpose, multi-layers		Heavy duty for faster cuts		For cutting thick wood and multi-layers	
FR44002	2/0	.022"	.010"	28/21	Skip	1/32"														
FR44302	2R	.029"	.012"	20/14	Skip	3/64"														
FR44602	5R	.038"	.016"	12.5/9	Skip	3/64"														
FR44802	7R	.047"	.017"	11.5/8	Skip	1/16"														
FR45002	9R	.054"	.019"	11.5/8	Skip	1/16"														
FR45302	12R	.062"	.024"	9.5/6	Skip	5/64"														
FR42002	-	.100"	.022"	9/5	Skip	1/8"														

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							Medium speed and medium finish of hard and soft wood, plaster, and wallboard	
SP46800	2	-	.035"	41	-	5/64"		
SP46900	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							Bevel cut letters, etc., medium finish fretwork and workpieces too large to turn	
SP46100	0	-	.032"	46	-	3/64"		
SP46300	2	-	.035"	41	-	5/64"		
SP46500	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.

Mach Speed [™]							Accurate tight radius cuts		Steady close radius cuts		Fast close radius cuts		Fast close radius cuts in thicker wood	
FR64302	3R	.032"	.014"	13/7	Skip	3/64"								
FR64502	5R	.038"	.016"	13/7	Skip	5/64"								
FR64702	7R	.046"	.017"	8/6	Skip	7/64"								
FR64902	9R	.055"	.018"	8/6	Skip	3/64"								

Precision milled **Mach** blades have widely spaced gullets that minimize burning and provide rapid chip removal. Reverse teeth cut on the upstroke and eliminate underside tearout.

Scroll Saw Files							For wood, plaster, greenware, soapstone and non-ferrous metals. Turns your scroll saw into a power sander!	
SC42101	-	.156"	.056"	(Pin End)		3/16"		
SC42100	-	.156"	.056"	(Plain End)		3/16"		

Olson Saw Co.
Bethel, CT 06801 USA
www.olsonaw.net
© Copyright 2015 Olson Saw Co.

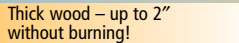
Scroll Saw Blade Selection Chart

OLSON[®]
www.olsonssaw.net

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

Thick Wood

FR40800 – .080" .018" 7 Hook 3/32"



Thick wood – up to 2" without burning!

Skip Tooth

FR40000 3/0 .022" .008" 33 Skip 1/32"



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

FR44000 2/0 .022" .010" 28 Skip 1/32"

Extremely intricate sawing, veining, line art

FR44300 2 .029" .012" 20 Skip 3/64"

Tight radius work, fretwork

FR44500 4 .035" .015" 15 Skip 1/16"

Tight radius work, fretwork

FR44600 5 .038" .016" 12.5 Skip 1/16"

Close radius cutting

FR44800 7 .045" .017" 11.5 Skip 1/16"

General Purpose

FR45000 9 .053" .018" 11.5 Skip 1/16"

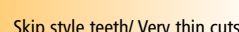
General Purpose

FR45300 12 .062" .024" 9.5 Skip 5/64"

Heavy duty for fast cuts

Pin End

FR42401 – .070" .010" 18.5 Skip 3/16"



Skip style teeth/ Very thin cuts

SC40501 – .100" .018" 20 Reg. 3/16"

Regular style teeth/ thin cuts

FR41001 – .100" .018" 7 Hook 3/16"

Thick wood, up to 2" without burning!

SC41101 – .100" .018" 15 Reg. 3/16"

General purpose, regular style teeth

SC41201 – .100" .018" 10 Reg. 3/16"

Regular style teeth, fast cutting

FR42003 – .100" .018" 9/5 Skip 3/16"

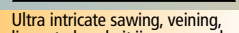
Heavy duty widely-spaced set teeth for fast cutting

FR42701 – .070" .010" 25 Reg. 3/16"

Regular style teeth/ fine cuts

Double Tooth

DT43200 3/0 .023" .008" 33 Double 1/32"



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

DT43300 2/0 .023" .011" 37 Double 1/32"

Veining, line art & marquetry

DT43400 1 .026" .013" 30 Double 3/64"

Delicate fretwork

DT43500 3 .032" .014" 23 Double 3/64"

Extremely intricate sawing

DT43600 5 .038" .016" 16 Double 1/16"

Tight radius work

DT43700 7 .044" .018" 13 Double 1/16"

Close radius cutting

DT43800 9 .053" .018" 11 Double 1/16"

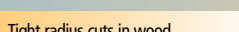
General purpose

DT43900 12 .061" .022" 10 Double 5/64"

Heavy duty, fast cuts

Regular Tooth

SC402DZ – .049 .022 25 Regular 1/16"



Tight radius cuts in wood

SC403DZ – .070 .023 20 Regular 3/16"

Wood from 3/32" – 1/4" thick.

SC405DZ – .100 .022 20 Regular 3/16"

Hard and soft wood.

SC406DZ – .250 .025 20 Regular 1/4"

Mica & non-ferrous metal.

SC411DZ – .100 .022 15 Regular 3/16"

Wallboard, felt, paper, bone, lead.

SC412DZ – .100 .022 10 Regular 3/16"

Medium smooth finish.

SC413DZ – .187 .025 10 Regular 3/16"

Wood from 1/4" – 3/4" thick.

SC414DZ – .250 .025 7 Regular 1/4"

Wood & plastic 1/4" – 3/4" thick.

ScrollSanders



SC91262BL -1/4" wide SC91564BL -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.

SC92262BL -1/4" wide SC92564BL -1/2" wide (Plain End) see widths

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 (Blue)
- Can Use (Light Blue)
- Not Recommended (White)

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.