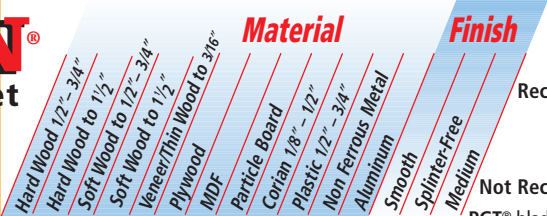


Scroll Saw Blade Selection Chart

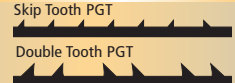
OLSON
www.olsonsaw.net



Recommended
Can Use
Not Recommended

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

PGT® Precision Ground Tooth (The Best!)



PG45502	5RG	.045"	.018"	12/9	Skip	1/16"
PG45702	7RG	.047"	.018"	10/7	Skip	1/16"
PG45902	9RG	.049"	.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"

Application: Ultra smooth finish, straight or close radius cutting, splinter-free, clean edges

Hard Wood 1/2" - 3/4"	Hard Wood to 1 1/2"	Soft Wood to 1 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
							1/8" 1/8"	3/8" 3/8"	1/2" 3/4"	1/8" 1/8"				
							1/8" 1/8"							
							1/2" 3/4"							
							3/8" 3/8"							
							1/2" 3/4"							

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™



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"

Application: 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

Hard Wood 1/2" - 3/4"	Hard Wood to 1 1/2"	Soft Wood to 1 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
							1/8" 1/8"	1/8" 1/8"						
							1/8" 1/8"							
							1/8" 3/16"							
							1/8" 1/4"							
							1/8" 3/4"							
							1/8" 3/4"							
							1/2" 3/4"							

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



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"

Application: 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

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

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



SP46800	2	-	.035"	41	-	5/64"
SP46900	4	-	.041"	36	-	7/64"

Application: Medium speed and medium finish of hard and soft wood, plaster, and wallboard

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

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



SP46100	0	-	.032"	46	-	3/64"
SP46300	2	-	.035"	41	-	5/64"
SP46500	4	-	.041"	36	-	7/64"

Application: Bevel cut letters, etc., medium finish fretwork and workpieces too large to turn

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

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™



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"

Application: Accurate tight radius cuts, Steady close radius cuts, Fast close radius cuts, Fast close radius cuts in thicker wood

Hard Wood 1/2" - 3/4"	Hard Wood to 1 1/2"	Soft Wood to 1 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
							1/8" 1/8"	1/8" 1/8"						
							1/8" 1/8"							
							3/8" 3/8"							
							1/2" 3/4"							

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.

The Olson Saw Co. Bethel, CT 06801 USA www.olsonsaw.net

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Scroll Saw Blade Selection Chart

OLSON[®]
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Material

Finish

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

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

Thick Wood



FR40800 - .080" .018" 7 Hook 3/32"

Thick wood - up to 2" without burning!

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

Skip Tooth



FR40000 3/0 .022" .008" 33 Skip 1/32"
FR44000 2/0 .022" .010" 28 Skip 1/32"
FR44300 2 .029" .012" 20 Skip 3/64"
FR44500 4 .035" .015" 15 Skip 1/16"
FR44600 5 .038" .016" 12.5 Skip 1/16"
FR44800 7 .045" .017" 11.5 Skip 1/16"
FR45000 9 .053" .018" 11.5 Skip 1/16"
FR45300 12 .062" .024" 9.5 Skip 5/64"

Ultra intricate sawing, veining, line art, close knit jig saw puzzles
Extremely intricate sawing, veining, line art
Tight radius work, fretwork
Tight radius work, fretwork
Close radius cutting
General Purpose
General Purpose
Heavy duty for fast cuts

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



FR42401 - .070" .010" 18.5 Skip 3/16"
SC40501 - .100" .018" 20 Reg. 3/16"
FR41001 - .100" .018" 7 Hook 3/16"
SC41101 - .100" .018" 15 Reg. 3/16"
SC41201 - .100" .018" 10 Reg. 3/16"
FR42003 - .100" .018" 9/5 Skip 3/16"
FR42701 - .070" .010" 25 Reg. 3/16"

Skip style teeth/ Very thin cuts
Regular style teeth/ thin cuts
Thick wood, up to 2" without burning!
General purpose, regular style teeth
Regular style teeth, fast cutting
Heavy duty widely-spaced set teeth for fast cutting
Regular style teeth/ fine cuts

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.

Double Tooth



DT43200 3/0 .023" .008" 33 Double 1/32"
DT43300 2/0 .023" .011" 37 Double 1/32"
DT43400 1 .026" .013" 30 Double 3/64"
DT43500 3 .032" .014" 23 Double 3/64"
DT43600 5 .038" .016" 16 Double 1/16"
DT43700 7 .044" .018" 13 Double 1/16"
DT43800 9 .053" .018" 11 Double 1/16"
DT43900 12 .061" .022" 10 Double 5/64"

Ultra intricate sawing, veining, line art, close knit jig saw puzzles
Veining, line art & marquetry
Delicate fretwork
Extremely intricate sawing
Tight radius work
Close radius cutting
General purpose
Heavy duty, fast cuts

Scroll Saw Files



SC42101 - .156" .056" (Pin End) 3/16"
SC42100 - .156" .056" (Plain End) 3/16"

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

NEW! ScrollSanders



SC91262BL -1/4" wide SC91564BL -1/2" wide (Pin End) see widths
SC92262BL -1/4" wide SC92564BL -1/2" wide (Plain 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.

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