

Model part #	Univ. Nbr	Blade Thick [mm]	Blade Width [mm]	Nbr of Teeth per cm [Z/cm]	KERF [mm]	[1] Selection end of chart						Optimal Thickness for recommended material [mm   inch]	[3]			SURFACE finish	UNDERSIDE finish (splitters)	Drill size [US]	Ø Mini pilot hole [mm]
						HARDWOODS	MEDIUM HARDWOODS	SOFTWOODS	PLYWOOD	CORIAN - PLASTICS	Alu., Brass, Copper, ...		Ferrous METALS	Intricate cuts	Tight turns				

### SPIRAL (5"/130mm):



The teeth on 360° allows to saw in each directions. The work does not have to be turned to make cuts, so sharp inside corners can be created. This also allows to work long pieces which couldn't be turned on a 16" or 21" scroll saw. It |

90.500	2/0	0.60		23.3	0.70	☹	☹	☹	☹	☹	☹	☹	1.5 - 4mm   .06" - 1/6"	X			-	-	68	0.8
90.501	0	0.74		21.3	0.86	☹	☹	☹	☹	☹	☹	☹	1.5 - 5mm   .06" - 1/5"	X			-	-	64	0.9
90.502	1	0.76		20.0	0.90	☹	☹	☹	☹	☹	☹	☹	2 - 5mm   1/12" - 1/5"	X			-	-	60	1.0
90.503	2	0.80		18.2	0.96	☹	☹	☹	☹	☹	☹	☹	2 - 6mm   1/12" - 1/4"	X			-	-	57	1.1
90.504	3	0.86		16.7	1.03	☹	☹	☹	☹	☹	☹	☹	2 - 6mm   1/12" - 1/4"	X			-	-	56	1.2
90.505	4	0.95		15.4	1.14	☹	☹	☹	☹	☹	☹	☹	2 - 7mm   1/12" - .275"	X			-	-	56	1.2
90.506	5	1.02		14.3	1.22	☹	☹	☹	☹	☹	☹	☹	2 - 7mm   1/12" - .275"	X			-	-	54	1.4
90.507	6	1.12		13.3	1.32	☹	☹	☹	☹	☹	☹	☹	2.5 - 8mm   1/10" - 1/3"	X			-	-	54	1.4
90.508	7	1.24		12.5	1.44	☹	☹	☹	☹	☹	☹	☹	2.5 - 10mm   1/10" - 2/5"	X			-	-	52	1.6
90.509	8	1.28		11.4	1.48	☹	☹	☹	☹	☹	☹	☹	3 - 10mm   1/8" - 2/5"	X			-	-	47	2.0

### METAL CUTTING (5"/130mm):



Blade specially designed and heat treated to perform in ferrous and non-ferrous metals. Allows very fine and precise cuts, can be used by hand with a frame or on the scroll saw.

90.540	3/0	0.24	0.48	23.5	0.26	☹	☹	☹	☹	☹	☹	☹	1.5 - 4mm   .06" - 1/6"	X			++	++	70	0.7
90.541	2/0	0.26	0.52	22.0	0.28	☹	☹	☹	☹	☹	☹	☹	1.5 - 5mm   .06" - 1/5"	X			++	++	70	0.7
90.542	0	0.28	0.58	20.5	0.30	☹	☹	☹	☹	☹	☹	☹	2 - 5mm   1/12" - 1/5"	X			++	++	70	0.7
90.543	1	0.30	0.63	19.0	0.32	☹	☹	☹	☹	☹	☹	☹	2 - 6mm   1/12" - 1/4"	X			++	++	70	0.7
90.544	2	0.34	0.70	17.5	0.36	☹	☹	☹	☹	☹	☹	☹	2 - 6mm   1/12" - 1/4"	X			++	++	68	0.8
90.545	3	0.36	0.74	16.0	0.38	☹	☹	☹	☹	☹	☹	☹	2 - 7mm   1/12" - .275"	X			++	++	68	0.8
90.546	4	0.38	0.80	15.0	0.40	☹	☹	☹	☹	☹	☹	☹	2 - 7mm   1/12" - .275"		X		++	++	64	0.9
90.547	5	0.40	0.85	14.0	0.42	☹	☹	☹	☹	☹	☹	☹	2.5 - 8mm   1/10" - 1/3"		X		++	++	60	1.0
90.548	6	0.42	0.94	13.5	0.44	☹	☹	☹	☹	☹	☹	☹	2.5 - 10mm   1/10" - 2/5"		X		++	++	60	1.0
90.549	8	0.50	1.15	11.0	0.52	☹	☹	☹	☹	☹	☹	☹	3 - 10mm   1/8" - 2/5"		X		++	++	56	1.2

☺	Recommended use	☺
☹	Possible use	☹
☹	Not really recommended use	☹

+ = Medium  
++ = Good  
+++ = Excellent

### General Informations

The smaller the blade number is, the smaller radius it will cut.

The smaller the blade number is, the narrower the TRACE will be.

Before starting a new project, ask yourself these questions:

- What type of wood am I cutting?
- How thick is the piece of wood?
- How thin does the cut line need to be (Puzzle, Intarsia)?
- What finish do it need?

### [1] Wood classification by hardness

**HARDWOODS** : Beech, Bloodwood, Bocote ; Bubinga, Canarywood, Cocobolo, Ebony, Elm, Hickory, Hornbeam, Jatoba, Leopardwood, Lyptus, Marblewood, Mora, Oleaster, Purplheart, Rosewood, Wenge, Yellowheart, Zebrawood.

**MEDIUM HARDWOODS** : Ash, Black Cherry, Cherry, Eucalyptus, Limba, Macacauba, Mahogany, Maple, Nogal, Oak, Padauk, Redheart, Sapele, Teak, Tzalam, Walnut.

**SOFTWOODS** : Alder, Balsa, Basswood, Birch, Black Willow, Chestnut, Cedar, Cypress, Fir, Larch, Pine, Poplar, Redwood, Spanish Cedar, Spruce.



This Chart is a **GUIDE** for people who want to begin scrolling and don't know which blade to select for their project. It is based on [1] the type of material to cut, i.e., wood plastic, etc. [2] the thickness of it, [3] the pattern, [4] the expected finish or [5] the hole size to drill for inside cuts. With experience, scrollers will have their own opinions and their own preferences, which may be different from our recommendations.

Experienced scrollers will look for more technical information, such as blade dimensions or the kerf each blade will produce. This chart will help you find the best blade to complete a specific project.

We wish you great success with the Pégas® blades and invite you to share with us your comments : [pegas@scies.ch](mailto:pegas@scies.ch)

Model part #	Univ. Nbr	Blade Thick [mm]	Blade Width [mm]	Nbr of Teeth per cm [Z/cm]	KERF [mm]	[1] Selection end of chart						Optimal Thickness for recommended material [mm   inch]	[3]			[4]		[5]
						HARDWOODS	MEDIUM HARDWOODS	SOFTWOODS	PLYWOOD	CORIAN - PLASTICS	Alu., Brass, Copper, ...		Ferrous METALS	Intricate cuts	Tight turns	Light turns	SURFACE finish	

NEW

**SUPER-SKIP (5"/130mm):**

Universal Scroll Sawblade, very efficient in Hard and Medium-Hard woods. The wide range of SKIP allows the cutting of intricate patterns as well as rough-cut work. It will accept a fast feed rate and will leave a smooth finish.

90.579	2/0	0.22	0.60	11.1	0.24	☺	☺	☺	☺	☺	☺	☺	1.5 - 6mm   .06"- 1/4"	X			+++	+++	70	0.7
90.580	0	0.24	0.74	10.0	0.26	☺	☺	☺	☺	☺	☺	☺	2 - 6mm   1/12"- 1/4"	X			+++	+++	68	0.8
90.581	1	0.26	0.76	8.9	0.29	☺	☺	☺	☺	☺	☺	☺	2.5 - 8mm   1/10"-1/3"	X			+++	++	64	0.9
90.582	2	0.30	0.78	8.3	0.33	☺	☺	☺	☺	☺	☺	☺	3 - 10mm   1/8"-2/5"	X			+++	++	64	0.9
90.583	3	0.32	0.85	7.7	0.36	☺	☺	☺	☺	☺	☺	☺	4 - 10mm   1/6"- 2/5"	X			+++	++	60	1.0
90.584	4	0.34	0.95	7.1	0.38	☺	☺	☺	☺	☺	☺	☺	5 - 12mm   1/5"- 1/2"		X		+++	++	57	1.1
90.585	5	0.36	1.02	6.7	0.40	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"		X		+++	++	56	1.2
90.586	6	0.38	1.12	6.3	0.42	☺	☺	☺	☺	☺	☺	☺	8 - 18mm   1/3" - 3/4"		X		+++	++	56	1.2
90.587	7	0.40	1.24	5.9	0.45	☺	☺	☺	☺	☺	☺	☺	10 - 20mm   2/5"- 4/5"		X		+++	++	54	1.4
90.588	8	0.42	1.28	5.6	0.47	☺	☺	☺	☺	☺	☺	☺	12 - 20mm   1/2" 4/5"			X	+++	+	54	1.4
90.589	9	0.44	1.30	5.3	0.49	☺	☺	☺	☺	☺	☺	☺	12 - 25mm   1/2"- 1"			X	+++	+	52	1.6
90.590	10	0.46	1.38	5.0	0.52	☺	☺	☺	☺	☺	☺	☺	15 - 30mm   3/5"-1 1/6"			X	+++	+	52	1.6
90.591	11	0.48	1.46	4.8	0.54	☺	☺	☺	☺	☺	☺	☺	18 - 40mm   3/4"- 1 4/7"			X	+++	+	47	2.0
90.592	12	0.50	1.55	4.5	0.56	☺	☺	☺	☺	☺	☺	☺	20 - 50mm   4/5"- 2"			X	+++	+	47	2.0

NEW

**SUPER-HOOK (5"/130mm):**

Special scroll saw blade with extra wide gullets for rapid cutting. This blade works like a miniature band saw blade.

90.611	11	0.50	1.80	3.50	0.64	☺	☺	☺	☺	☺	☺	☺	18 - 40mm   3/4"- 1 4/7"			X	+++	+	47	2.0
90.612	12	0.50	2.00	3.30	0.67	☺	☺	☺	☺	☺	☺	☺	20 - 50mm   4/5"- 2"			X	+++	+	47	2.0
90.614	14	0.50	2.40	2.80	0.76	☺	☺	☺	☺	☺	☺	☺	30 - 60mm   1 1/6"- 2 1/3"			X	+++	+	40	2.5
90.616	16	0.50	3.00	2.63	0.80	☺	☺	☺	☺	☺	☺	☺	30 - 75mm   1 1/6"- 3"			X	+++	+	31	3.0

**SKIP (5"/130mm):**

Universal Scroll Sawblade, very efficient in Hard and Medium-Hard woods. The wide range of SKIP allows the cutting of intricate patterns as well as rough-cut work. It will accept a fast feed rate and will leave a smooth finish.

90.400	2/0	0.22	0.60	11.1	0.24	☺	☺	☺	☺	☺	☺	☺	1.5 - 6mm   .06"- 1/4"	X			+++	+++	70	0.7
90.401	0	0.24	0.74	10.0	0.26	☺	☺	☺	☺	☺	☺	☺	2 - 6mm   1/12"- 1/4"	X			+++	+++	68	0.8
90.402	1	0.26	0.76	8.9	0.29	☺	☺	☺	☺	☺	☺	☺	2.5 - 8mm   1/10"-1/3"	X			+++	++	64	0.9
90.403	2	0.30	0.78	8.3	0.33	☺	☺	☺	☺	☺	☺	☺	3 - 10mm   1/8"-2/5"	X			+++	++	64	0.9
90.404	3	0.32	0.85	7.7	0.36	☺	☺	☺	☺	☺	☺	☺	4 - 10mm   1/6"- 2/5"	X			+++	++	60	1.0
90.405	4	0.34	0.95	7.1	0.38	☺	☺	☺	☺	☺	☺	☺	5 - 12mm   1/5"- 1/2"		X		+++	++	57	1.1
90.406	5	0.36	1.02	6.7	0.40	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"		X		+++	++	56	1.2
90.407	6	0.38	1.12	6.3	0.42	☺	☺	☺	☺	☺	☺	☺	8 - 18mm   1/3" - 3/4"		X		+++	++	56	1.2
90.408	7	0.40	1.24	5.9	0.45	☺	☺	☺	☺	☺	☺	☺	10 - 20mm   2/5"- 4/5"		X		+++	++	54	1.4
90.409	8	0.42	1.28	5.6	0.47	☺	☺	☺	☺	☺	☺	☺	12 - 20mm   1/2" 4/5"			X	+++	+	54	1.4
90.410	9	0.44	1.30	5.3	0.49	☺	☺	☺	☺	☺	☺	☺	12 - 25mm   1/2"- 1"			X	+++	+	52	1.6
90.411	10	0.46	1.38	5.0	0.52	☺	☺	☺	☺	☺	☺	☺	15 - 30mm   3/5"-1 1/6"			X	+++	+	52	1.6
90.412	11	0.48	1.46	4.8	0.54	☺	☺	☺	☺	☺	☺	☺	18 - 40mm   3/4"- 1 4/7"			X	+++	+	47	2.0
90.413	12	0.50	1.55	4.5	0.56	☺	☺	☺	☺	☺	☺	☺	20 - 50mm   4/5"- 2"			X	+++	+	47	2.0

**SKIP REVERSE (5"/130mm):**

Same tooth geometry as Skip but with an addition of reverse teeth to the bottom of the blade. REVERSE blades prevent splinters on the underside of the work piece. Excellent blade for softer woods.

90.428	3R	0.32	0.85	6.5	0.36	☺	☺	☺	☺	☺	☺	☺	4 - 10mm   1/6"- 2/5"	X			+++	+++	60	1.0
90.429	5R	0.36	1.02	5.7	0.41	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"		X		+++	+++	56	1.2
90.430	7R	0.40	1.24	5.1	0.46	☺	☺	☺	☺	☺	☺	☺	10 - 20mm   2/5"- 4/5"		X		+++	+++	54	1.4
90.431	9R	0.44	1.30	4.7	0.52	☺	☺	☺	☺	☺	☺	☺	12 - 25mm   1/2"- 1"		X		+++	+++	52	1.6

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						HARDWOODS	MEDIUM HARDWOODS	SOFTWOODS	PLYWOOD	CORIAN - PLASTICS	Alu., Brass, Copper, ...		Ferrous METALS	Intricate cuts	Tight turns	Light turns	SURFACE finish	

**DOUBLE SKIP (5"/130mm):**

This tooth arrangement offers an efficient chip removal and therefor PREVENTS FROM WOOD BURNING. Fast blade which leaves a smooth finish. Excellent in Soft woods.

90.520	2/0	0.22	0.60	9.8	0.24	☺	☺	☺	☺	☺	☺	☺	2.5 - 8mm   1/10"-1/3"	X			+++	++	70	0.7
90.521	0	0.24	0.74	9.0	0.26	☺	☺	☺	☺	☺	☺	☺	3 - 10mm   1/8"-2/5"	X			+++	++	68	0.8
90.522	1	0.26	0.76	8.5	0.29	☺	☺	☺	☺	☺	☺	☺	4 - 10mm   1/6"- 2/5"	X			+++	++	64	0.9
90.523	2	0.30	0.78	7.6	0.33	☺	☺	☺	☺	☺	☺	☺	5 - 12mm   1/5"- 1/2"	X			+++	++	64	0.9
90.524	3	0.32	0.85	6.7	0.36	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"	X			+++	++	60	1.0
90.525	4	0.34	0.95	6.2	0.38	☺	☺	☺	☺	☺	☺	☺	8 - 18mm   1/3" - 3/4"		X		+++	++	57	1.1
90.526	5	0.36	1.02	5.8	0.40	☺	☺	☺	☺	☺	☺	☺	10 - 20mm   2/5"- 4/5"		X		+++	++	56	1.2
90.527	6	0.38	1.12	5.7	0.42	☺	☺	☺	☺	☺	☺	☺	12 - 20mm   1/2" 4/5"		X		+++	++	54	1.4
90.528	7	0.40	1.24	5.1	0.45	☺	☺	☺	☺	☺	☺	☺	12 - 25mm   1/2"- 1"		X		+++	++	54	1.4
90.529	8	0.42	1.28	4.7	0.47	☺	☺	☺	☺	☺	☺	☺	15 - 30mm   3/5"-1 1/6"			X	+++	+	52	1.6
90.530	9	0.44	1.30	4.4	0.49	☺	☺	☺	☺	☺	☺	☺	18 - 40mm   3/4"- 1 4/7"			X	+++	+	52	1.6
90.531	10	0.46	1.38	4.2	0.52	☺	☺	☺	☺	☺	☺	☺	20 - 50mm   4/5"- 2"			X	+++	+	52	1.6
90.532	11	0.48	1.46	3.9	0.54	☺	☺	☺	☺	☺	☺	☺	20 - 55mm   4/5"- 2 1/6"			X	+++	+	47	2.0
90.533	12	0.50	1.55	3.7	0.56	☺	☺	☺	☺	☺	☺	☺	25 - 60mm   1"- 2 1/3"			X	+++	+	47	2.0

**DOUBLE REVERSE (5"/130mm):**

Same as Double Skip but REVERSE, for a splinter free finish on the underside of the piece. Efficient blade in lots of woods where OVERHEATING is to avoid.

90.432	5R	0.36	1.02	4.8	0.41	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"		X		+++	+++	56	1.2
90.433	7R	0.40	1.24	4.3	0.46	☺	☺	☺	☺	☺	☺	☺	10 - 20mm   2/5"- 4/5"		X		+++	+++	54	1.4
90.434	9R	0.44	1.30	3.8	0.52	☺	☺	☺	☺	☺	☺	☺	12 - 25mm   1/2"- 1"		X		+++	+++	52	1.6

**MGT (5"/130mm):**

The Modified Geometry Teeth (MGT) is probably the best blade on the market. The specific tooth design makes this blade EXTREMELY EFFICIENT; tolerates aggressive feed rates, avoids overheating, leaves a smooth finish, no splitters.

90.438	2/OR	0.22	0.60	6.1	0.25	☺	☺	☺	☺	☺	☺	☺	6 - 10mm   1/4"-2/5"	X			++++	+++	68	0.8
90.439	1R	0.26	0.76	5.4	0.29	☺	☺	☺	☺	☺	☺	☺	8 - 15mm   1/3"- 3/5"	X			++++	+++	68	0.8
90.440	3R	0.32	0.85	4.9	0.36	☺	☺	☺	☺	☺	☺	☺	8 - 20mm   1/3"- 4/5"	X			++++	+++	60	1.0
90.441	5R	0.36	1.02	4.4	0.41	☺	☺	☺	☺	☺	☺	☺	8 - 25mm   1/3"- 1"	X			++++	+++	56	1.2
90.442	7R	0.40	1.24	4.1	0.46	☺	☺	☺	☺	☺	☺	☺	10 - 30mm   2/5"- 1 1/6"		X		++++	+++	54	1.4
90.443	9R	0.44	1.30	3.8	0.52	☺	☺	☺	☺	☺	☺	☺	12 - 35mm   1/2"- 1 3/8"		X		++++	+++	52	1.6
90.444	12R	0.50	1.55	3.4	0.60	☺	☺	☺	☺	☺	☺	☺	15 - 40mm   3/5"- 1 4/7"		X		++++	+++	47	2.0

**REGULAR (5"/130mm):**

The Universal tooth design makes this blade usable in a large range of applications. Very strong and easy to use but not adapted for close turns.

90.460	25TPI	0.50	1.80	10.0	0.68	☺	☺	☺	☺	☺	☺	☺	3 - 20mm   1/8"- 4/5"			X
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