



SELECTION CHART & TECHNICAL DATAS

Model part #	Univ. Nbr	Blade Thick [mm]	Blade Width [mm]	Nbr of Teeth per cm [Z/cm]	Cutting TRACE [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	UNDERSIDE finish (splitters)

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

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

Model part #	Univ. Nbr	Blade Thick [mm]	Blade Width [mm]	Nbr of Teeth per cm [Z/cm]	Cutting TRACE [mm]	Material Compatibility										Optimal Thickness for recommended material [mm inch]		Intricate cuts	Tight turns	Light turns	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												

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	++	+	47	2.0
90.461	20TPI	0.50	1.80	7.9	0.70	☹	☹	☺	☺	☺	☹	☹	4 - 25mm 1/6"- 1"			X	++	+	47	2.0
90.462	20TPI	0.50	3.00	7.9	0.72	☹	☹	☺	☺	☺	☹	☹	4 - 30mm 1/6"- 1 1/6"			X	++	+	30	3.2
90.464	15TPI	0.50	3.00	5.9	0.72	☹	☹	☺	☺	☺	☹	☹	5 - 35mm 1/5"- 1 3/8"			X	++	+	30	3.2
90.465	10TPI	0.50	3.00	4.0	0.72	☹	☹	☺	☺	☺	☹	☹	8 - 50mm 1/3"- 2"			X	++	+	30	3.2

REGULAR (6"/152mm):

Same applications as Regular 5" but in 6". To be used on older saws.

90.470	20TPI	0.50	3.00	7.9	0.72	☹	☹	☺	☺	☺	☹	☹	4 - 30mm 1/6"- 1 1/6"			X	++	+	30	3.2
90.471	15TPI	0.50	3.00	5.9	0.72	☹	☹	☺	☺	☺	☹	☹	5 - 35mm 1/5"- 1 3/8"			X	++	+	30	3.2
90.472	10TPI	0.50	3.00	4.0	0.72	☹	☹	☺	☺	☺	☹	☹	8 - 50mm 1/3"- 2"			X	++	+	30	3.2

PINNED REGULAR (5"/127mm):

Same as Regular 5 & 6" but WITH PINS.

90.475	20TPI	0.50	3.00	7.9	0.72	☹	☹	☺	☺	☺	☹	☹	4 - 30mm 1/6"- 1 1/6"			X	++	+		4.8
90.476	15TPI	0.50	3.00	5.9	0.72	☹	☹	☺	☺	☺	☹	☹	5 - 35mm 1/5"- 1 3/8"			X	++	+		4.8
90.477	10TPI	0.50	3.00	4.0	0.72	☹	☹	☺	☺	☺	☹	☹	8 - 50mm 1/3"- 2"			X	++	+		4.8
90.478	25TPI	0.25	2.00	10.0	0.40	☹	☹	☺	☺	☺	☹	☹	3 - 20mm 1/8"- 4/5"			X	++	+		4.8

PINNED SKIP (5"/127mm):

The large and flat skip between teeth gives a good chip remove and therefore reduces the overheating. Good blade for fast cuts with easy patterns.

90.480	9TPI	0.50	3.00	3.6	0.72	☺	☺	☺	☺	☺	☹	☹	10 - 60mm 2/5"- >2"			X	++	+		4.8
90.481	18TPI	0.25	2.00	7.1	0.36	☺	☺	☺	☺	☺	☹	☹	4 - 30mm 1/6"- 1 1/6"			X	++	+		4.8

PINNED HOOK (5"/127mm):

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

90.485	7TPI	0.50	3.00	2.8	0.74	☺	☺	☺	☺	☺	☹	☹	10 - 75mm 2/5"- 3"			X	++	+		4.8
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PINNED REGULAR (3"/75mm):

Same as pinned Regular 5" but 3", adapted for some Hobby saws.

90.487	25TPI	0.25	2.00	10.0	0.40	☹	☹	☺	☺	☺	☹	☹	3 - 20mm 1/8"- 4/5"			X	++	+		4.8
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PINNED SKIP (3"/75mm):

Same as pinned Skip 5" but 3", adapted for some Hobby saws.

90.490	18TPI	0.38	2.00	7.1	0.52	☺	☺	☺	☺	☺	☹	☹	4 - 20mm 1/6"-4/5"			X	++	+		4.8
90.491	15TPI	0.38	3.00	5.9	0.53	☺	☺	☺	☺	☺	☹	☹	5 - 25mm 1/5"- 1"			X	++	+		4.8

Model part #	Univ. Nbr	Blade Thick [mm]	Blade Width [mm]	Nbr of Teeth per cm [Z/cm]	Cutting TRACE [mm]	Optimal Thickness for recommended material [mm inch]										Intricate cuts	Tight turns	Light turns	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										

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, Zebra wood.

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.



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