



NEW ITEMS & SPECIALS

2023

www.capitalcutters.co.nz

KleinDIA

DIAMOND COATING KleinDIA

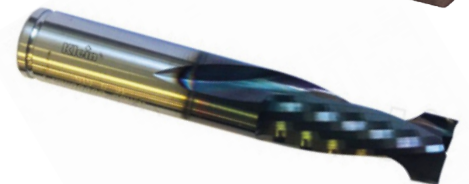
KleinDIA is a DLC (Diamond-like Carbon) anti-friction coating developed for a large-scale production which allows to solve problems of tool abrasion, chip evacuation and chemical attack. After the polishing process of the flute and/or cutting edge, a layer of less than 1 micron is laid on the tool surface at low temperature, thus not altering the properties of the bit or knife.

It's high hardness is granted by both Sp₂ (Graphite) and Sp₃ (Diamond) Carbon hybridization. Our several tests confirmed remarkable results on both panels and solid wood processing. Thanks to a very low friction coefficient plastic and aluminium working are also improved and can be effected without coolant.

TECHNICAL FEATURES

- High hardness Hv_{0,025}: 2500-3100
- Higher wear resistance (longer working time)
- Low frictional coefficient (lowered working temperature)
- Very low sticking coefficient (Better chips evacuation)
- Thickness: approx 1 micron

The surface coating **KleinDIA** can be applied on many other products giving extraordinary results depending on the type of material processed.



KleinDIA coating ensures excellent results in the processing in plastic and graphitic materials and Plexiglas

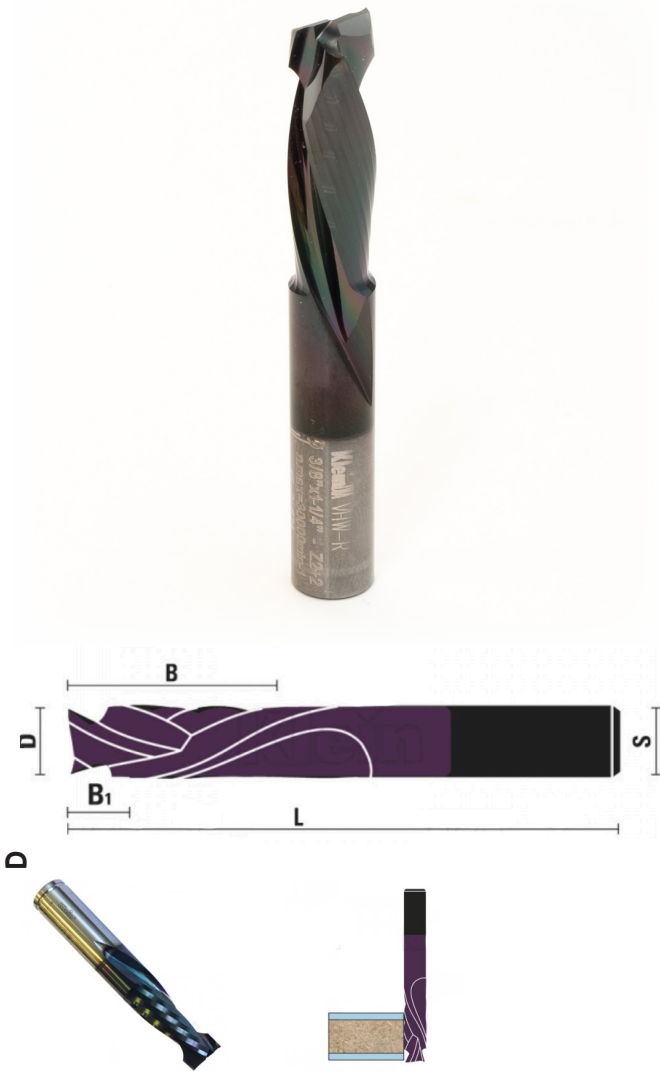
Klein[®]
S I S T E M I

2 FLUTE COMPRESSION CUTTER

T156.096.RMKD, T156.125.RMKD

- Right-hand rotation
- Excellent finish on both upper and lower side of the panel
- Polished and coated cutting edge for improved chip evacuation and less friction for **excellent performance**
- **Longer tool life and greater cutting quality**
- These tools have a **shorter up-cut section** compared to standard compression bits. They are suitable for mortising, grooving, routing and dado
- For softwood and hardwood, chipboard, MDF, HF, double-sided melamine and laminated, plywood, plastic coated, mineral materials (CORIAN® ecc.)
- To be used on machining centres, CNC routers and point to point machines

Item	S	D	B	B1	L	Price
T156.096.RMKD	3/8"	3/8"	1 1/4"	5mm	13"	\$150+gst
T156.125.RMKD	12	12	25	5mm	80	\$200+gst



KleinDIA

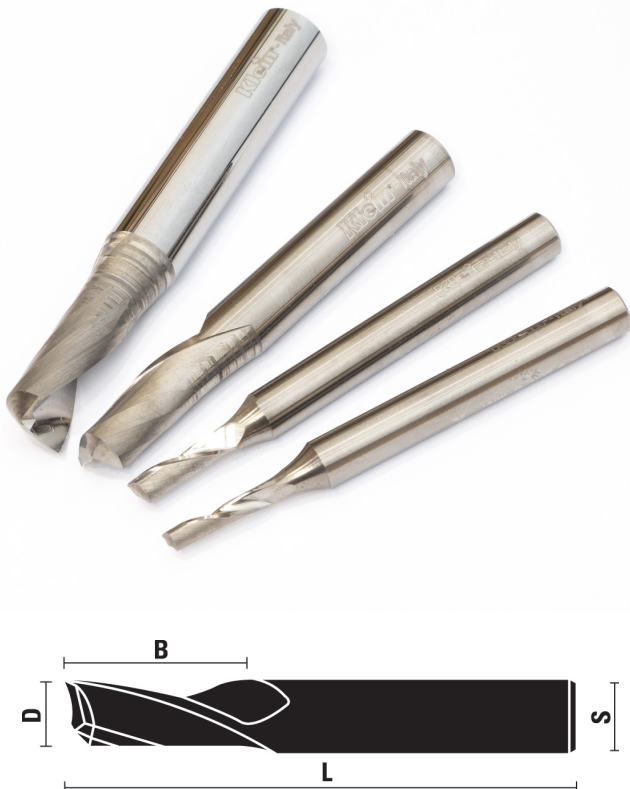
SOLID CARBIDE SPIRAL BITS UP CUT Z=1 - Z=2

U111 - U112

- **Right-hand rotation with "UP CUT SPIRAL".**
- **Polished cutting edge for improved chip evacuation.**
- Mirror finish!
- Use on CNC router and high speed machines.
- Single flute and double flutes end mills for working **aluminium, plastic, PVC, fiberglass, acrylic and phenolic materials.**
- Item U111 also known as "O" flute spiral bits
- Router bits with diameter from 12 mm to 16 mm, are produced with shank fit for Seeger retaining rings.

Single O flute up cut

Item	S	D	B	L	Z	Rotation	Price
U11.030.R	6	3	12	60	1	RH	\$61 + gst
U11.040.R	6	4	12	60	1	RH	\$65 + gst
U11.050.R	6	5	16	60	1	RH	\$68 + gst
U11.060.R	6	6	16	60	1	RH	\$70 + gst
U11.080.R	8	8	18	60	1	RH	\$73 + gst
U11.100.R	10	10	22	70	1	RH	\$125 + gst
U11.120.R	12	12	24	70	1	RH	\$150 + gst



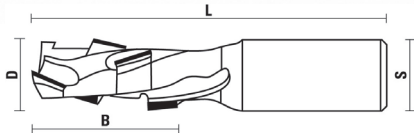
KleinDIA

DP ROUTER BITS

X500 - X501 - X502 - X503

- **PCD Tip height = 3mm (up to three-times regrindable)**
- HW plunging tip
- 1+1 flutes with **axial angle for best performance**
- **PCD (Polycrystalline Diamond) tips**
- Recommended for grooving, nesting and routing solid hard wood, veneered and laminated MDF, chipboard, hpl, trespa, plastic...
- Used on CNC router machines

Item	S	D	B	L	Plates	Z	Rotation	Price
X500.120.R	12x35	12	27	87	3+1	1+1	RH	\$250 + gst



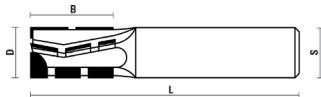
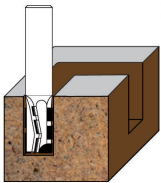
DP ROUTER BITS

X528

- **PKD tip height = 3 mm (3 sharpening)**
- Cutter body constructed with high strength steel (Densimet®) for excellent performance and longer life
- Ideal for Nesting processing of chipboard, plywood, veneer and MDF
- **Excellent finish on both sides of the panel thanks to the special cutting edge to compress Z = 3 + 3 and axial geometry**
- Cutting edge for drilling in PKD
- Feed 26 m / min⁻¹
- Used on CNC router machines

KleinDIA

Item	S	D	B	L	Plates	Z	Rotation	Price
X528.120.R	12x45	12	20	70	8	3+3	Right	\$500 + gst



SY COMPRESSION CUTTER

COMPRESSION CUTTERS

- 2 flute 3/8" x 11/8" x 3" (9.5 x 28 x 76mm) - \$91.38 + gst
- 3 flute 3/8" x 11/8" x 3" - \$104.81 + gst
- 2 flute - 8mm x 28mm x 75mm (down cut) - \$57.90 + gst
- 2 flute - 10mm x 25mm x 70mm - \$91.38 + gst
- 2 flute - 12mm x 32mm x 75mm - \$129.80 + gst
- 2 flute - 1/2" x 1 1/4" x 3" - \$138.40 + gst
- 2 flute - 8mm x 22mm x 75mm (compression cut) - \$70.20



EZCUT®

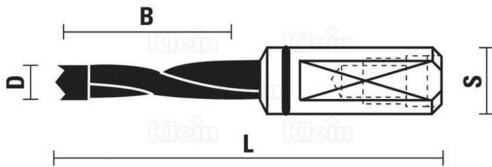
VHW DOWEL DRILLS EXTRA TIME

L116 - L117

EXTRA TIME GRINDING TOOL



- Made with an exclusive carbide and a **mirror finish** quality. This process will reduce the friction and produce clean and smooth cuts with longer tool life and better performances.
- **Solid carbide spiral portion**
- **2-flutes**
- **Rounded spurs and reinforced centre point**
- **Special HW**
- **Excellent finish and longer tool life**
- For **natural wood, pressed wood, veneered, chipboard, laminated and MDF**
- Suggested also for working **trespa and melamine panels**.
- With height adjustment screw. On request it is possible to have the special screw for the Weeke Machines (Art. Z051.505.R).



Item	S	D	B	L	Rotation	Price
L117.030.R	10x32	3	20	70	RH	\$40 + gst
L117.030.L	10x32	3	20	70	LH	\$40 + gst
L117.050.L	10x32	5	20	70	LH	\$42 + gst
L117.050.R	10x32	5	20	70	RH	\$42 + gst
L117.080.L	10x32	8	20	70	LH	\$50 + gst
L117.080.R	10x32	8	20	70	RH	\$50 + gst
L105.100.R	10x27	10	27	57.5	RH	\$55 + gst
L105.100.L	10x27	10	27	57.5	LH	\$55 + gst

50MM INSERT FLUSH TRIMMING BIT WITH UPPER BEARING

W116.192.R S=1/2"

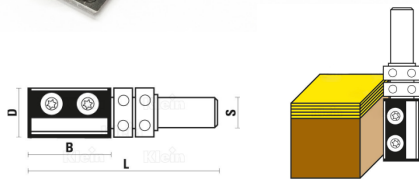


Always looking for innovative products and most useful solutions, SISTEMI has developed a new line of router bits with interchangeable carbide knives, which have a higher hardness than the tips used in traditional brazed router bits. The main advantages granted by the use of HW reversible knives and the possibility of their easy replacement are:

- **Longer tool life**, knives get less worn out and in case of damage they can be easily replaced;
- **Better finishing quality**, also when working abrasive materials, the cutting edge can be maintained always sharp;
- **Higher precision and cutting accuracy**, the dimensions of the tools do not change because there is no resharping;
- **Better Quality/Price ratio**, higher production efficiency, less costs and better performances.

These router bits are thought for having a **clean and well finished edge on laminated and veneered panels**. They are subject to continuous security check, cutting tolerance and balancing. While the ball bearing (same diameter of the cutter) acts as a guide to protect the edge, the cutter will obtain a perfect and smooth work. Designed and manufactured to allow precise cutting and good chipping ejection.

Double ball bearings for more precise trimming results.



Item	S	D	B	L	Price
W116.192.R	12.7mm (1/2")	19mm	50mm	100mm	\$150 + gst

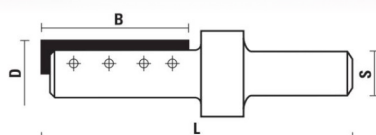
KleinDIA

AS0900306 INSERT PLUNGE BIT

W123 - W124



- The "**Versofix**" tools and relating replaceable tips, due to their special design, give excellent result in high volume production and are suitable for use in all types of machines. The insert knives are treated with a special coating ensuring the possibility to work also tough materials, i.e. laminated worktops or glass-reinforced plastic panels. In the solid wood working there is not any better solution when working with cutters with small shank diameter.
- The "**Kawedur**" coating ensures a better chip flow and makes the life of the knives minimum twice longer than any other type of coating (TIN/TIC).
- Versofix knives spareparts Art. Z055
- With key included



Item	D	B	L	S	Price
AS0900306 INSERT PLUNGE BIT	20	50mm	85mm	1/2"	\$300 + gst

50MM INSERT FLUSH TRIMMING BIT WITH UPPER AND LOWER BEARING

HW INSERT FLUSH TRIMMING BITS Z=2 WITH UPPER AND LOWER BALL BEARING

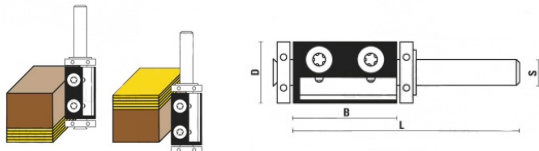
W117 - W118

- This item is sold complete with a torx key.
- Suitable for trimming with template on the upper and/or lower side with a single router bit.
- These router bits are thought for **having a clean and well finished edge on laminated and veneered panels**. They are subject to continuous security check, cutting tolerance and balancing. While the ball bearing (same diameter of the cutter) acts as a guide to protect the edge, the cutter will obtain a perfect and smooth work. Designed and manufactured to allow precise cutting and good chipping ejection.

The main advantages granted by the use of HW reversible knives and the possibility of their easy replacement are:

- **Longer tool life**, knives get less worn out and in case of damage they can be easily replaced;
- **Better finishing quality**, also when working abrasive materials, the cutting edge can be maintained always sharp;
- **Higher precision and cutting accuracy**, the dimensions of the tools do not change because there is no resharpening;
- **Better Quality/Price ratio**, higher production efficiency, less costs and better performances.

Item	S	D	B	L	Z	Price
WG118.191.R	12.7mm (1/2")	19mm	50mm	105mm	2	\$175 + gst



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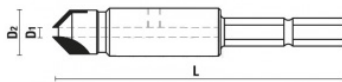
HW COUNTERSINKS 45° Z=2 WITH HEX SHANK

R158

Quick change 1/4" hex shank (6,35mm)

3mm Countersink Bit

Item	D1	D2	L	Price
R158.024.R	2.4	9.5	60	\$40 + gst
R158.032.R	3.2	9.5	60	\$45 + gst
R158.050.R	5	12.7	70	\$55 + gst



KleinDIA

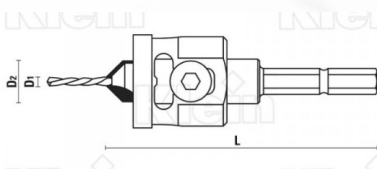
R159.024.R ADJUSTABLE COUNTERSINK

R159

- Sold complete with HS drill bit (item R210)
- With a **special collar made in Delrin for low friction operations and easy depth adjustment**
- **No marking and scratches!**
- Quick change 1/4" hex shank (6,35mm)
- Large side openings for chip clearance

Thanks to our new solution, it is now possible to **adjust drilling depth and make seats for flush screws in an easy and quick manner, simply by using a power portable drill, without risk of marking or scratching wood**. You can find below the directions of use. NB: It is very important to drill a pilot hole before inserting the screw, in order to obtain excellent results, both aesthetic and long-lasting performance.

Item	D1	D2	L	Price
R159.032.R ADJUSTABLE COUNTERSINK	3.2mm	9.5mm	60mm	\$65 + gst
R159.024.R ADJUSTABLE COUNTERSINK	2.4mm	9.5mm	60mm	\$60 + gst

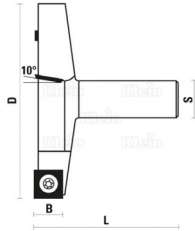


WE190.800.R INSERT SURFACING ROUTER BIT

W190 - WE190 - WG190



- Used for **surfacing MDF, balsa and particle board** and making deep rabbet (also known as Flycutter - Spoilboard cutter)
- **10° shear angle for better performance**
- Suitable for processing every kind of wood
- Sold complete with interchangeable insert knives with 4 cutting edges for longer tool life (see our item Z055.007.N)
- To be used on machining centres and CNC routers
- Right-hand rotation
- Torx key included



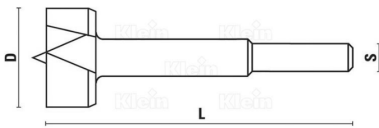
Item	D	B	L	S	Price
WE190.800.R	80mm	14mm	76mm	12 x 50mm	\$365 + gst
WG190.635.R	63.5mm	14mm	70mm	½" 12.7mm x 45mm	\$250 + gst



SP "FORSTNER" BITS Z2+2

R213

- Cylinder boring bits for creative woodworking. Ideal for making holes for hinges and, in general, for woodworking. The "Forstner" type hinge bits are also used to remove knots or damaged parts of wood.
- For **soft and hard wood**.
- Also available in practical wooden box with 5 or 15 "**Forstner bits set**" with different diameters.



Item	S	D	B	Price
R213.100.R FORSTNER	8x30	10	90	\$17 + gst
R213.120.R FORSTNER	8x30	12	90	\$17 + gst
R213.140.R FORSTNER	8x30	14	90	\$18.50 + gst
R213.150.R FORSTNER	8x30	15	90	\$18.50 + gst
R213.160.R FORSTNER	8x30	16	90	\$18.50 + gst
R213.180.R FORSTNER	8x30	18	90	\$18.50 + gst
R213.200.R FORSTNER	8x30	20	90	\$18.50 + gst
R213.220.R FORSTNER	8x30	22	90	\$20 + gst
R213.240.R FORSTNER	8x30	24	90	\$20 + gst
R213.250.R FORSTNER	8x30	25	90	\$20 + gst
R213.260.R FORSTNER	8x30	26	90	\$20 + gst
R213.280.R FORSTNER	8x30	28	90	\$21 + gst
R213.300.R FORSTNER	8x30	30	90	\$21 + gst
R213.320.R FORSTNER	10x30	32	90	\$25 + gst
R213.340.R FORSTNER	10x30	34	90	\$25 + gst
R213.350.R FORSTNER	10x30	35	90	\$25 + gst
R213.380.R FORSTNER	10x30	38	90	\$26 + gst
R213.400.R FORSTNER	10x30	40	90	\$30 + gst
R213.450.R FORSTNER	10x30	45	90	\$35 + gst
R213.500.R FORSTNER	10x30	50	90	\$39 + gst
R213.905.R FORSTNER BORING BIT SET		ø15-20-25-30-35	90	\$100 + gst

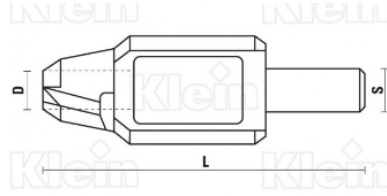


HS PLUG CUTTERS Z1

R221

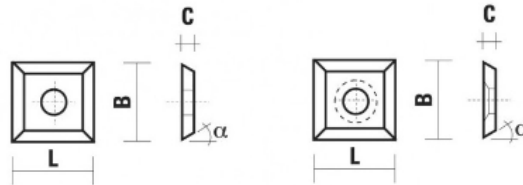


Item	S	D	Rotation	L	Price
R221.095.R	8mm	9.5mm	RH	61mm	\$60 + gst
R221.127.R	8mm	12.7mm	RH	61mm	\$65 + gst



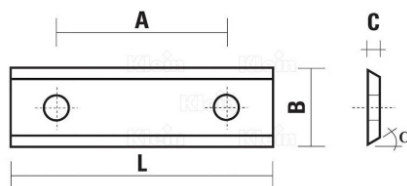
Z555.007.N INSERT KNIVES 14X14X2 30°

Item	B	L	C	Price
Z055.007.N	14	14	2	\$6.50 + gst



Z055.010.N STANDARD REVERSIBLE KNIVES 50X12X1,5 A=26 35°

Item	A	L	B	C	Price
Z055.010.N	26	50	12	1.5	\$7 + gst





SUIZAN Japanese Pull Saw Hand Saw 9.5 Inch Ryoba Double Edge for Woodworking

Japanese Saw: Pull Saw for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, and even driftwoods.

Two blades in one saw: there is Cross-Cut and Rip-Cut teeth on a single handle

Teeth Per Inch: 9 and 15 TPI / Blade Thickness: 0.02 inch / Kerf Width: 0.03 inch / Blade Length: 9-1/2 inch / Overall length: 24 inch. The saw blade is easily removable and interchangeable.

JAPANESE STYLE PULL SAW: This product is a "Pull Saw". What most people are used to are European saws, which cut materials via pushing, thus are called "push saws." On the other hand, Japanese saws cut materials via pulling and thus are called "pull saws," which is what this product is. In comparison to "push saws," "pull saws" are lighter in weight, requires less power, and the resulting edge is cleaner.

JAPANESE STEEL: Best handling size for highly precision work / Consisted of top quality japanese steel.

Made IN JAPAN: All SUIZAN products are manufactured in Japan by Japanese master craftsmen. With a history of over 100 years in making japanese hand tools, all of the process gone into making tools were completed in one of Japan's towns known for their craft making



SUIZAN Japanese Hand Saw 9-1/2 inch Dozuki (Dovetail) Pull Saw Dozuki

Japanese Saw: "Pull Saw" for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, or even driftwoods.

Consisted of top quality Japanese steel: It combines durability, sensitivity and powerfulness.

Teeth Per Inch: 25 TPI / Blade Thickness: 0.012 inch / Kerf Width: 0.02 inch / Blade Length: 9-1/2 inch / Overall length: 24 inch

The saw blade is easily removable and interchangeable.

Dozuki Saw

This is a 9-1/2 inch dozuki (Dovetail) saw, a type of backsaw. The Japanese word "dozuki" means "attached trunk", so it has a stiffening rib attached. A dozuki allows the user to create a narrow, precise cut due to its thin blade and its easiness to control.

A remarkable point of this SUIZAN dozuki saw is its precision. Amazingly, the Kerf Width is 0.016 inch! You can do every woodworking with it.





SUIZAN Japanese Hand Saw 6 inch Dozuki (Dovetail)

Japanese Saw: "Pull Saw" for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, or even driftwoods.

Thin blade and best handling size for highly precision work / Consisted of top quality Japanese steel

Teeth Per Inch: 25 TPI / Blade Thickness: 0.012 inch / Kerf Width: 0.02 inch / Blade Length: 6 inch / Overall Length: 15-1/2 inch

The saw blade is easily removable and interchangeable.

Dozuki Saw

One of the most remarkable points of this Dozuki (Dovetail) Saw are its awesome thin blade and best handling size of 6 inch. Have you ever seen such a amazing saw? This is made with Japanese quality.

And it's consisted of Japanese steel of top quality. It combines durability, sensitivity and powerfulness.



SUIZAN Japanese Hand Saw 10-1/2 inch Kataba (Single Edge)

Japanese Saw: "Pull Saw" for both of soft wood and hard wood, like tiger maple, red oak, teak, MDF, OSB, and even driftwoods.

With the longest blade in our lineup, it contributes to powerfulness and easy handleability.

Teeth Per Inch: 14 TPI / Blade Thickness: 0.024 inch / Kerf Width: 0.03 inch / Blade length: 10-1/2 inch / Overall Length: 23-1/2 inch

The saw blade is easily removable and interchangeable.

Kataba Saw

A remarkable point of this Kataba (Single Edge) Saw is its 10-1/2 inch longest blade.

When you use a saw, the longer the blade is, the easier your work is.

In addition, you can exchange the blade in a moment without any tools. You will be relieved from any stress.



SUIZAN Japanese Double Edge Ryoba Folding Saw

Japanese Style Hand Saw: Pull Saw for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, or even driftwoods

Two blades in one saw: Cross-Cut and Rip-Cut teeth on a single handle

Teeth Per Inch: 9 and 15 TPI / Blade Thickness: 0.02 inch / Kerf Width: 0.03 inch / Blade Length: 9-1/2 inch

Folding saw is handy and easy to carry

Ryoba Saw

A remarkable point of this Ryoba (Double Edge) Saw is that there are two blades in one saw – Cross-Cut and Rip-Cut. Therefore, you don't have to change your tools: you just use it! It is a tool that saves your time and saves your space in your tool box.

Cross-Cut

To cut across the grain is called cross cut. Cross cut teeth consist of two teeth in which one points slightly to the right and the other to the left. Cross cut teeth cut wood fiber at a certain width. It works the same when cutting the grain diagonally.

Rip-Cut

To cut along the grain is called rip cut. Rip cut tooth also consists of two teeth. The teeth edge is flat, and it carves out the materials as you make strokes. Since rip cut teeth carves out the material it's cutting, there more saw dust is produced.



SUIZAN Japanese Dozuki (Dovetail) Folding Saw Pull

Japanese Style Hand Saw: Pull Saw for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, or even driftwoods

Consisted of top quality Japanese steel: It combines durability, sensitivity and powerfulness

Teeth Per Inch: 25 TPI / Blade Thickness: 0.012 inch / Kerf Width: 0.02 inch / Blade Length: 9-1/2 inch. Folding saw is handy and easy to carry

Dozuki Saw

This is a 9-1/2 inch dozuki (Dovetail) saw, a type of backsaw. The Japanese word “dozuki” means “attached trunk”, so it has a stiffening rib attached. A dozuki allows the user to create a narrow, precise cut due to its thin blade and its easiness to control. A remarkable point of this SUIZAN dozuki saw is its precision. Amazingly, the Kerf Width is 0.016 inch! You can do every woodworking with it.

Cross-Cut

To cut across the grain is called cross cut. Cross cut teeth consist of two teeth in which one points slightly to the right and the other to the left. Cross cut teeth cut wood fiber at a certain width. It works the same when cutting the grain diagonally.



SUIZAN Japanese Ryoba Pull Saw 8 inch Double Edge Hand Saw for Rough Cutting

Japanese Saw: Pull Saw for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, and even driftwoods.

Two blades in one saw: there is Cross-Cut and Rip-Cut teeth on a single handle

Teeth Per Inch: 14 TPI / Blade Thickness: 0.02 inch / Kerf Width: 0.03 inch / Blade Length: 8 inch

The saw blade is easily removable and interchangeable

JAPANESE STYLE PULL SAW: This product is a “Pull Saw”. What most people are used to are European saws, which cut materials via pushing, thus are called “push saws.” On the other hand, Japanese saws cut materials via pulling and thus are called “pull saws,” which is what this product is. In comparison to “push saws,” “pull saws” are lighter in weight, requires less power, and the resulting edge is cleaner.

This is a Ryoba Saw

A remarkable point of this Ryoba (Double Edge) Saw is that there are two blades in one saw – Cross-Cut and Rip-Cut.

Therefore, you don’t have to change your tools: you just use it! It is a tool that saves your time and saves your space in your tool box.



SUIZAN Japanese Ryoba Pull Saw 7 inch Double Edge Hand Saw Ryoba (Double Edge)

Japanese Saw: Pull Saw for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, and even driftwoods.

Two blades in one saw: there is Cross-Cut and Rip-Cut teeth on a single handle

Teeth Per Inch: 19 TPI / Blade Thickness: 0.02 inch / Kerf Width: 0.03 inch / Blade Length: 7 inch / Overall length: 16 inch

The saw blade is easily removable and interchangeable

JAPANESE STYLE PULL SAW: This product is a “Pull Saw”. What most people are used to are European saws, which cut materials via pushing, thus are called “push saws.” On the other hand, Japanese saws cut materials via pulling and thus are called “pull saws,” which is what this product is. In comparison to “push saws,” “pull saws” are lighter in weight, requires less power, and the resulting edge is cleaner.

This is a Ryoba Saw

A remarkable point of this Ryoba (Double Edge) Saw is that there are two blades in one saw – Cross-Cut and Rip-Cut.

Therefore, you don’t have to change your tools: you just use it! It is a tool that saves your time and saves your space in your tool box.



SUIZAN Japanese Dozuki (Dovetail) Hand Saw

Japanese Saw: “Pull Saw” for both of soft wood and hard wood like tiger maple, red oak, teak, MDF, OSB, or even driftwoods. The saw blade, the thinnest in the world, for a high degree of precision work / Consisted of top quality Japanese steel

Teeth Per Inch: 30 TPI / Blade Thickness: 0.008 inch / Kerf Width: 0.012 inch / Blade Length: 8 inch / Overall Length: 20-1/2 inch

The saw blade is easily removable and interchangeable.

Dozuki Saw

This is a 8 inch dozuki (Dovetail) saw, a type of backsaw. The Japanese word “dozuki” means “attached trunk”, and thus it has a stiffening rib attached. A dozuki allows the user to create a narrow, precise cut due to its thin blade and its easiness to control.

A remarkable point of this SUIZAN dozuki saw is the thinnest and precisest blade.

0.008 inch blade width is the thinnest in the world. If you are doing precise woodwork, this saw will surely help you.



SUIZAN Japanese Flush Cut Trim Saw 5 Inch Hand Saw for Hardwood and Softwood Kugihiki

Japanese Pull Saw for cutting off excess wood without damaging its surrounding

With its thin blade, the saw will be able to bend to be pressed against the surface so the cut end will be completely flat.

Teeth Per Inch: 30 TPI / Blade Thickness: 0.008 inch / Kerf Width: 0.008 inch / Blade Length: 7inch / Overall length: 16inch

The saw blade is easily interchangeable and you can buy a replacement blade on this page. When you remove the handle, the saw will fit neatly into your toolbox.

This product is a Japanese flush cut saw.

It is perfect for cutting dowels down to match its surrounding surface.

TIPS ON HOW TO USE

Although the point of the flush cut saw is to cut off the dowel so that it is at level with its surrounding surface, placing a slightly thick piece of paper beneath the cutting area will make sure that the surrounding surface does not get damaged.

This can be done by creating a hole slightly larger than the diameter of the dowel in the paper, such as business cards, and sawing from top of it.

When using a dowel, you can use glue to put it into place, but once it is placed properly, make sure to remove the excess glue with a small wet paintbrush, because once it gets dry, it is not only hard to remove, but also may interfere with the cutting process.

EXCHANGING THE BLADE

The saw blade is interchangeable. If your blade is broken, please buy a replacement blade.

PRODUCT DETAILS

- Product Size: 16.4 x 2.17 x 0.75 inches
- Product Weight: 4.8 ounces
- Blade Length: 7.1 inches
- Blade Thickness: 0.08 inches

Titebond®

THE PRO'S ADVANTAGE™



TITEBOND ORIGINAL GOOD	TITEBOND PREMIUM BETTER	TITEBOND ULTIMATE BEST
TYPE ALIPHATIC RESIN	TYPE CROSS-LINKING PVA	TYPE PROPRIETARY POLYMER
STRENGTH 3,600 PSI	STRENGTH 3,750 PSI	STRENGTH 4,000 PSI
CHALK TEMPERATURE ≥500F	CHALK TEMPERATURE ≥500F	CHALK TEMPERATURE ≥470F
SHELF LIFE 2 YEARS	SHELF LIFE 2 YEARS	SHELF LIFE 2 YEARS
DRIED FILM YELLOW	DRIED FILM ORANGE	DRIED FILM LIGHT BROWN
CLEANUP WATER	CLEANUP WATER	CLEANUP WATER
VOC 10.7 G/L	VOC 3.0 G/L	VOC 9.0 G/L
OPEN/TOTAL ASSEMBLY TIME 4-6/10-15 MINUTES	OPEN/TOTAL ASSEMBLY TIME 3-5/10-15 MINUTES	OPEN/TOTAL ASSEMBLY TIME 8-10/20-25 MINUTES

TITEBOND 3 16OZ
TITEBOND 3 32OZ
TITEBOND 3 1GAL
TITEBOND 3 5GAL

TITEBOND 50 5L
TITEBOND 50 10L

TITEBOND MELAMINE 16OZ
TITEBOND MELAMINE 1GAL

HARDTACK

SPECIALIST ADHESIVES

POLYURETHANE ADHESIVE



DESCRIPTION

A single pack moisture curing polyurethane based adhesive.

USES

Bonding wood to wood, MDF, stone, metal, ceramics and some plastics.

COLOUR

Clear amber liquid

FEATURES

- Excellent bond strength
- Rapid cure
- Good wet grab and initial hold
- Low smell

SURFACE PREPARATION

All surfaces must be clean, dust free and tight fitting. For glossy surfaces, sand to provide a key. It is preferable that one of the surfaces to be bonded is porous to allow the moisture required for curing to migrate to the glue line.

APPLICATION

1. Apply adhesive to one surface at the joint and then clamp until bond is secure (approximately 30-60 minutes).
2. Faster cure can be achieved by lightly dampening the unglued surface before making the join.
3. Some dense timbers will benefit by having both bonding surfaces precleaned with a damp cloth to help open timber pores before gluing.

TECHNICAL DATA

	STANDARD	FAST
Packaging	500ml and 1 litre plastic bottles	500ml and 1 litre plastic bottles. 200 litre steel drums.
Specific Gravity	1.12	1.12
Viscosity	4600-6600 cps (Bf 3/10/25)	5000-7000 cps (Bf 3/10/25)
Coverage Rate	1 ½ -2 m ² per litre, dependent on end use.	1 ½ -2 m ² per litre, dependent on end use.
Cure Time	Normally for wood substrate cure time is about 4 hours.	Normally for wood substrate cure time is about 30 minutes.
Working Time	Approximately 30 minutes once applied, depending on ambient conditions.	Approximately 10 minutes once applied, depending on ambient conditions.

Shelf Life: Six months in unopened containers. Opened cans may skin and this may be cut off and remaining product used.

CLEAN UP

Clean up frequently using Uroxsys Polyurethane Brush Cleaner before product has set on equipment.

SAFETY DATA

Wear protective clothing. **Gloves are essential**, as product bonds well to skin. For further information refer to material safety data sheet.

This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

HARDTACK

SPECIALIST ADHESIVES

POLYURETHANE CONSTRUCTION ADHESIVE

DESCRIPTION

A new generation single pack slower curing high strength low-foaming moisture curing polyurethane based adhesive.

USES

- General purpose slow cure construction adhesive.
- Bonds common construction substrates including wood, concrete and some metals.

COLOUR

White/Opaque

FEATURES

- Highly thixotropic for no-slump application
- Extremely high bond strength
- Good wet grab and firm initial hold
- Suitable for intermittent immersion service in water once cured
- Low smell
- Low foaming (high density foam) for good gap filling
- Low VOC

SURFACE PREPARATION

Surfaces should be clean and sound. Contact Uroxsys for specific recommendations. Contractors should test lay a typical sample and do a destructive pull test to confirm adequate adhesion to a given substrate.

MIXING RATIO

Single pack. Cures by reaction with moisture from the atmosphere and the substrate.

CLEAN UP

Clean up frequently using Uroxsys Polyurethane Brush Cleaner or Uroxoff before product has set on equipment.

SAFETY DATA

Wear protective clothing. **Gloves are essential.** Avoid contact with skin. For further information refer to material safety data sheet.

This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

	SLOW	MEDIUM	FAST
Packaging	Cartridges: 350gm (Approx 310ml)	Cartridges: 350gm (Approx 310ml)	Cartridges: 350gm (Approx 310ml)
Coverage Rate	1 ½ -2 m ² per litre, dependent on end use.	1 ½ -2 m ² per litre, dependent on end use.	1 ½ -2 m ² per litre, dependent on end use.
Density	1.12 gms/cm ³	1.12 gms/cm ³	1.12 gms/cm ³
Rapid Cure	Rapid cure- usually allowing careful traffic/unclamping in 120 minutes	Rapid cure- usually allowing careful traffic/unclamping in 60 minutes	Rapid cure- usually allowing careful traffic/unclamping in 30 minutes
Full Cure	Normally 48 hours, depending on ambient conditions.	Normally 48 hours, depending on ambient conditions.	Normally 48 hours, depending on ambient conditions.
Working Time	Approximately 20 minutes once applied, depending on ambient conditions.	Approximately 10 minutes once applied, depending on ambient conditions.	Approximately 3-4 minutes once applied, depending on ambient conditions.
Tack Free Time	Approximately 30 minutes once applied, depending on ambient conditions.	Approximately 30 minutes once applied, depending on ambient conditions.	Approximately 15 minutes once applied, depending on ambient conditions.
Clamp Time	Approximately 120 minutes once applied, depending on ambient conditions.	Approximately 60 minutes once applied, depending on ambient conditions.	Approximately 30 minutes once applied, depending on ambient conditions.
Shelf Life	12 months in unopened packs.	12 months in unopened packs.	12 months in unopened packs.
Application	<p>Sausages:</p> <ul style="list-style-type: none"> • Fits standard sausage guns. • For manual use: massage to fluidise product, puncture sausage near an end with a nail and then squeeze out as required. Aim for a 6mm diameter bead, at a spacing that allows for an effective footprint of 100% of the covered area once the surface is bedded in. <p>Cartridges:</p> <ul style="list-style-type: none"> • Fits standard cartridge guns • Fasten, clamp, or weight to secure during cure. • Consult Uroxsys for specific recommendations. 	<p>Cartridges:</p> <ul style="list-style-type: none"> • Fits standard cartridge guns • Fasten, clamp, or weight to secure during cure. • Consult Uroxsys for specific recommendations. 	<p>Cartridges:</p> <ul style="list-style-type: none"> • Fits standard cartridge guns • Fasten, clamp, or weight to secure during cure. • Consult Uroxsys for specific recommendations.





Capital Cutters is run by boatbuilder Aaron Bilham, and is based in Lower Hutt, Wellington, servicing the whole of New Zealand.

Formerly owned by Brian and Vicky Eames under the company Western Marine Limited, Capital Cutters are New Zealand distributors for Sen Yeong Precision Tool Co., a Taiwanese manufacturer of high quality tungsten carbide router and shaper cutters. Solid carbide spiral and compression cutters for CNC tooling are also stocked.

022 3003 084

sales@capitalcutters.co.nz

WWW.CAPITALCUTTERS.CO.NZ