

Welcome to the 2016/2017 catalogue

Dear Customer,

Thank you for your interest in CMT products.

Take a moment to browse our new catalogue and choose from a wider range of innovative and state-of-the-art woodworking tools, from router bits, saw blades, jig and sabre saw blades, hole saws, and boring bits to oscillating tools, CNC cutters, cutter heads, chucks, power tools, and so much more!

A detailed list of spare parts on each product category is also provided to guide you through your purchase.

We continually strive to develop our technical know-how and invest in research and development, but our priority is customer care.

A satisfied customer is worth more than any other achievement, therefore each page of this catalog contains CMT's highest commitment to the professional woodworker.

Should you not find a product that suits your needs, please let us know.

Our highly skilled engineers and design technicians are always keen to assist you with your woodworking operations.

Thank you for your interest in CMT Orange Tools.

Your CMT Team

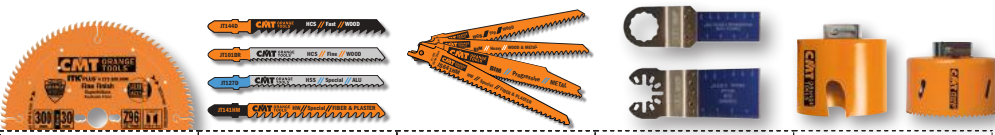


Abbreviations

| | | | |
|----------------------|---|----------------------|--|
| A | = Cutting angle | Inches | = Inches |
| α | = Hook angle | K | = Kerf thickness |
| ATB | = Alternate top bevel grind | L | = Overall length |
| B | = Bore diameter | L₁ | = Working length |
| β | = Type of grind | LB | = Adjusting length |
| COMBI3 | = Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60 | LH | = Left-hand rotation |
| COMBI5 | = Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120 | MATB | = Alternate top bevel with chamfer grind |
| COMBI7 | = Pin-Hole 2/10/80 + 1/11/85 + 2/11/115 + 2/11/148 + 2/14/100 + 2/14/125 + 2/19/120 | MTCG | = Triple chip grind (trapezoidal) with chamfer |
| d | = Small cutting diameter | mm | = Millimeters |
| D | = Diameter | P | = Plate thickness |
| D₂ | = Overall diameter | PTFE | = Non-stick industrial coating, black and orange |
| D₃ | = For shank diameter | R | = Radius |
| \emptyset | = Diameter | R₁ | = Radius |
| FFT | = Flat flat trapezoidal | RH | = Right-hand rotation |
| FTG | = Flat top grind | RPM | = Round per minute |
| FWF | = Flat with alternate chamfer | S | = Shank diameter |
| H | = Cutting depth | S₁ | = Shank diameter |
| HDF | = Hollow ground teeth | T₁ | = Thickness / Maximum joint thickness |
| I | = Cutting length | TCG | = Triple chip grind (trapezoidal) |
| l₁ | = Short cutting length | V | = Spurs |
| | | Z | = Number of teeth |
| | | \square | = On request |
| | | \bullet | = Solid tungsten carbide |

THE RIGHT TOOLS FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose the right tools for your application.



| | SAW BLADES | JIG SAW BLADES | SABRE SAW BLADES | MULTI-CUTTERS | HOLE SAWS |
|-------------------------|------------|----------------|------------------|---------------|-----------|
| WOOD | | | | | CARBIDE |
| WOOD & METAL | | | ✓ | ✓ | |
| METAL | | | | | BI-METAL |
| ALUMINIUM | | | | | |
| MULTI-MATERIAL | | | | | |
| PLASTIC | | | | | |
| MASONRY | | | | | DIAMOND |
| SPECIAL | | | | | |

SINCE 1962 - MADE IN ITALY THEN, STILL MADE IN ITALY TODAY

By now, the story has been told. After over 50 years of success and quality in manufacturing woodworking tools - orange woodworking tools, to be precise - word just sort of gets around. We have grown and we have changed, but one thing still remains the same: our commitment to making only the highest quality woodworking tools.



Pesaro, Italy



Greensboro, United States



Valencia, Spain

NEW! CMT Global Web Site!

- Full line catalogue available on line
- Instructional video on select products
- Instruction manuals available for download
- Listing of authorized CMT distributors
- Company history, tech information, testimonials and more!

CMT ORANGE TOOLS

THE ART OF CUTTING

Market Area: Where are you from?

Language: Choose favourite:

News:

OUR TOOLS So, what does it take to make a CMT tool? Like all things of quality, it's not only what you do but how you do it. And anyone who works wood knows that you get out of a piece only what you put into it, and it is no different when manufacturing a tool. You choose your designs and materials carefully and you work using all of your skill and know-how. You'll be happy to know that's what we do at CMT too.

DESIGN

Everything starts with a clear idea and having the potential to express it. We have both. At CMT, our technical department uses the best of both worlds - computer technology and hands-on experience - to engineer and design each tool so that it performs flawlessly each time you use it, and to guarantee that you'll be using it for a long, long time.

MATERIALS

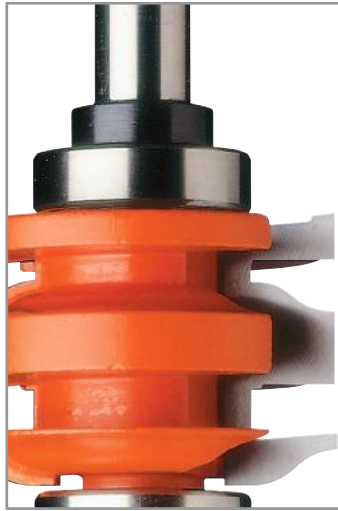
Turning a design into a finished product means finding the right material that will do the job and that lives up to the specifications set out in the design - quality performance from the final product depends on it. When it comes to selecting raw materials, we don't cut corners. At CMT, we know that high quality tools come only from high quality raw materials, so we use only solid bar stock steel and specially formulated micrograin carbide to manufacture our bits and blades.

MANUFACTURING

Like we said, it's not just what you do but how you do it. Over the years we have continuously invested in the latest technology in CNC machining equipment and innovative software to manufacture our tools. The result is that now our entire manufacturing process, from turning and milling the steel shanks to brazing and sharpening the carbide cutting tips, is completely automated. And since a machine is only as intelligent as the person using it, everything is operated by specifically trained operators.

THE FINAL TOUCH

A tool simply wouldn't be a CMT tool if it didn't have the trademark orange color non-stick PTFE coating on it. This unique industrial-strength surface coating is designed to withstand the physical stresses the tool undergoes during use while protecting it from residue build-up and burning. And we really like the orange color too.



QUALITY CONTROL

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and equipment to ensure that each bit has been manufactured with precision and accuracy and that it will give the long-lasting performance you expect from a CMT orange tool. CMT is in the process of adopting the directives set out in ISO 9001 which will give SPC quality control by an independent party under the Common Market Directives ISO 9001. Quality control is the final step of the production process, but it's just as important as the first.

WE RECYCLE

The water used during production must be pure and free from contaminants or hard minerals like iron or calcium which can build up and damage the machinery. CMT filters and purifies its water using a reverse osmosis system located inside the plant. Also the oil used in grinding and machining our tools must be clean and absolutely free of contaminants. Clean oil, after enough use, gets dirty, so we filter and reprocess dirty oil on the premises. This is our way of guaranteeing the quality of the oil we use, as well as contributing to help protect the environment.

OUR TRADEMARK COLOR ORANGE

As the story goes, we began small. We also put orange color surface coating on our tools, then we put our tools on the market and soon our orange tools were all over the world. Now, any woodworker anywhere in the world can tell you that orange tools means CMT, and that CMT means quality. Here at CMT we know we produce quality. You should too. That's why we have trademarked the color orange on woodworking tools - it's your guarantee that you are getting a genuine high-quality CMT product.



Loading the automated multi-axis CNC sharpening machines.



Fully automated assembly and marking.

QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

Produced by following state-of-the-art processes and by using high-tech machines, these jig saw blades have been specifically designed for precise cuts on soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous & non-ferrous materials, aluminium, fiberglass and also stainless steel. These are made of four different materials.

What else? Geometry is important!

HCS

HCS (High Carbon Steel)

For use when cutting softwood, wood fiberboard and soft plastic.

BIM

BIM (Bimetal)

Suitable for use in hardwood, abrasive wooden and harder materials such as non-ferrous and ferrous metals. This special bond of HCS and HSS fits the most diverse needs.

Resistant to shank breakage thanks to its flexibility, this material lasts much longer than HCS and HSS.

An excellent value for your money.

HSS

HSS (High Speed Steel)

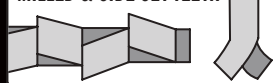
For use when cutting harder materials, such as metals, aluminium and non-ferrous metals.

HW

Tungsten Carbide Tipped

Use for cutting fibre cement panel, plasterboard, MDF, GRP (Fiberglass), Eternit®.

MILLED & SIDE SET TEETH



Milled & Side Set Teeth

Jig saw blades featuring this kind of geometry feature a quick rough cut into soft/hardwood, aluminium, plastic and non-ferrous metals.

MILLED & WAVY SET TEETH



Milled & Wavy Set Teeth

Suitable for fine straight cuts into plywood, soft steel, aluminium, non-ferrous metals and plastic.

GROUND & SIDE SET TEETH



Ground & Side Set Teeth

To be used for quick cuts in wood.

GROUND & TAPER GROUND TEETH



Ground & Taper Ground Teeth

This geometry delivers fine and clear cuts in wood and plastic.

// Wood

// Wood & Metal






// Metal

// Special

THE RIGHT BLADE FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose the right blade for your application.

Guide to Choosing the Most Suitable Jig Saw Blade

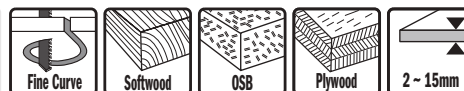
| Series | Material | Thickness  mm | Line | Fine Straight  | Coarse Straight  | Fine Curve  | Coarse Curve  | Page |
|---------|--|--|---------------------|--|---|---|---|------|
| WOOD | Softwood | 1,5~15 | Fine | | | JT101A0 | | 50 |
| | | 2~15 | Basic | | | JT119B0 | | 49 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| | | 3~30 | Fine | JT101B | | | | 50 |
| | | 3~30 | Fine, Splinter-Free | JT101BR | | | | 50 |
| | | 4~60 | Basic | | JT111C | | | 49 |
| | | 5~60 | Fast | | JT144D | | JT244D - JT244DDC | 49 |
| | | 5~100 | Fast | | JT344D | | | 50 |
| | | 7~55 | Fine | JT101D | | | | 51 |
| | | 7~65 | Fine | JT301CD | | | | 51 |
| | Hardwood | 1,5~15 | Fine | | | JT101A0 | | 50 |
| | | 3~30 | Fine | JT101B | | | | 50 |
| | | 3~30 | Fine, Splinter-Free | JT101BR | | | | 50 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| | | 5~60 | Fast | | JT144D | | JT244D - JT244DDC | 49 |
| | | 5~100 | Fast | | JT344D | | | 50 |
| | | 7~55 | Fine | JT101D | | | | 51 |
| | | 7~65 | Fine | JT301CD | | | | 51 |
| | OSB | 2~15 | Basic | | | JT119B0 | | 49 |
| | | 3~30 | Fine | JT101B | | | | 50 |
| | | 4~60 | Basic | | JT111C | | | 49 |
| | | 5~60 | Fast | | JT144D | | JT244D - JT244DDC | 49 |
| | | 7~55 | Fine | JT101D | | | | 51 |
| | Plywood | 1,5~15 | Fine | | | JT101A0 | | 50 |
| | | 2~15 | Basic | | | JT119B0 | | 49 |
| | | 3~30 | Fine | JT101B | | | | 50 |
| | | 3~30 | Fine, Splinter-Free | JT101BR | | | | 50 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| | | 4~60 | Basic | | JT111C | | | 49 |
| | | 5~60 | Fast | | JT144D | | JT244D - JT244DDC | 49 |
| | | 5~100 | Fast | | JT344D | | | 50 |
| | | 7~55 | Fine | JT101D | | | | 51 |
| | Construction Wood | <30 | Fine | JT101B | | | | 50 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| | | <100 | Fast | | JT344D | | | 50 |
| | | <135 | Fast | | JT744D | | | 50 |
| | Chipboard | 2~15 | Basic | | | JT119B0 | | 49 |
| | | 3~30 | Fine | JT101B | | JT101A0 | | 50 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| | | 4~60 | Basic | | JT111C | | | 49 |
| | | 5~60 | Fast | | JT144D | | JT244D - JT244DDC | 49 |
| | Laminated panels Kitchen Tops Worktops | 1,5~15 | Fine | | | JT101A0 | | 50 |
| | | 1,5~15 | Fine, Long Life | JT101BIF | | | | 51 |
| | | 3~30 | Fine | JT101B | | | | 50 |
| | | 3~30 | Fine, Splinter-Free | JT101BR | | | | 50 |
| | | 3~65 | Fine, Splinter-Free | JT234X | | | | 51 |
| METAL | Sheet metals | 1~3 | Basic | JT118A | | JT218A | | 52 |
| | | 1,5~10 | Fast, Long life | JT123X | | | | 52 |
| | | 2,5~6 | Basic | JT118B | | | | 52 |
| | Aluminium, non-ferrous | <30 | Fast | JT127D | | | | 52 |
| | | 1,5~10 | Fast | JT123X | | | | 52 |
| | Pipes | <30 | Fast | JT123X | | | | 52 |
| | Inox Sheets | 1,5~3 | Fast | JT123X | | | | 52 |
| | Sandwich Material | <120 | Fast, Flexible | JT718BF | | | | 52 |
| | PLASTIC | GRP (Fiberglass) | <30 | Fast | JT127D | | | 52 |
| | | Plastic (PP, PE, PVC, PA, PS) | <30 | Fine | JT101D | | | 51 |
| | | | <30 | Fast | JT123X | | | 52 |
| | | | 7~65 | Fine | JT301CD | | | 51 |
| SPECIAL | Plasterboard | 5~50 | Special | | JT141HM | | | 51 |
| | | 5~80 | Special | | JT341HM | | | 51 |
| | GRP (Fiberglass) | <80 | Special | | JT341HM | | | 51 |
| | Fibre cement boards | 5~50 | Special | | JT141HM | | | 51 |
| | | 5~80 | Special | | JT341HM | | | 51 |

JT119B0



Curve cuts on softwood (2 ~ 15mm), plywood, OSB.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 50 | 76 | 2 | JT119B0-5 |

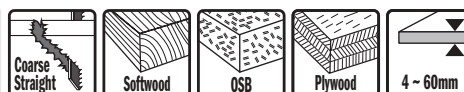


JT111C



Fast coarse cuts on softwood (4 ~ 60mm), plywood, OSB.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 3 | JT111C-5 |



JT144D



Very fast cuts, straight and coarse, on hard/soft woods (5 ~ 60mm), plywood, OSB. Plunge cutting.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 4 | JT144D-5 |
| 25 | 75 | 100 | 4 | JT144D-25 |
| 100 | 75 | 100 | 4 | JT144D-100 |



JT244D



Fast, curve, coarse cut on soft and hardwood from 5mm to 60mm, plywood, OSB. Plunge cutting.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 4 | JT244D-5 |



JT244DDC



Fast, curve, coarse cut on soft and hardwood from 5mm to 60mm, plywood, OSB. Plunge cutting. Special "DUO" (double) cut for fast curve.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 4 | JT244DDC-5 |



Jig Saw Blades



JT344D



Very fast cuts, straight and coarse on thick construction timber, hard/soft woods (5 ~ 100mm), plywood, OSB.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 110 | 132 | 4 | JT344D-5 |



JT744D

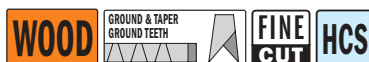


Very fast cuts, straight and coarse on thick construction timber, hard/soft woods (5 ~ 135mm) and sandwich material.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 3 | 155 | 180 | 4 | JT744D-3 |



JT101A0

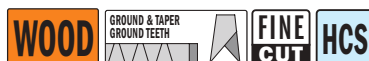


Curved cuts, fine finishing on both sides of surface on hard/soft woods, plywood, chipboard, MDF, double sided laminates (1,5 ~ 15mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 50 | 76 | 1,4 | JT101A0-5 |

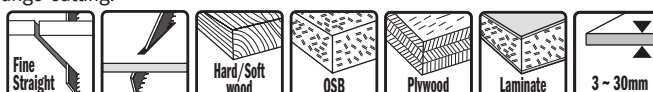


JT101B

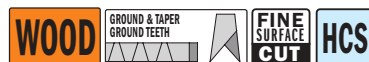


Fine straight cuts on hard/soft woods, plywood, OSB and plastics (3 ~ 30mm). Plunge cutting.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 2,5 | JT101B-5 |
| 25 | 75 | 100 | 2,5 | JT101B-25 |

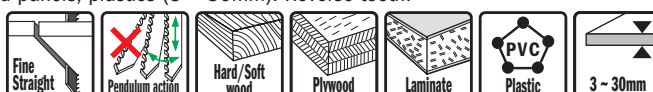


JT101BR



Straight cuts, fine finishing on surfaces, hard/soft woods, plywood, OSB, laminated panels, plastics (3 ~ 30mm). Reverse tooth.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 2,5 | JT101BR-5 |
| 25 | 75 | 100 | 2,5 | JT101BR-25 |



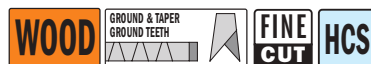
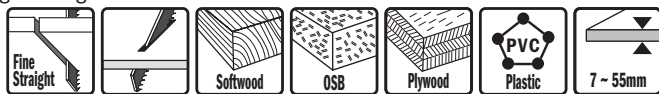
Jig Saw Blades

JT101D



Good straight cuts on hard/soft woods, plywood, OSB, plastics (7 ~ 55mm). Plunge cutting.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 4 | JT101D-5 |

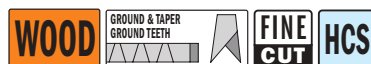
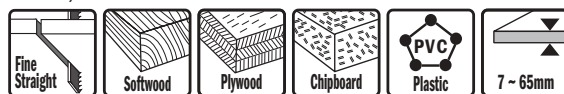


JT301CD



Straight cuts, fine finishing, on hard/soft woods, plywood, laminates, plastics (7 ~ 65mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 90 | 116 | 3 | JT301CD-5 |

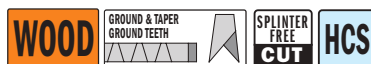


JT234X



Extra-clean splinter-free straight cuts on hard/soft woods, plywood, OSB, laminates (3 ~ 65mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 90 | 116 | 2-3 | JT234X-5 |

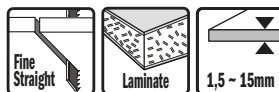


JT101BIF



Splinter-free cuts. For all laminates, HPL and multiplex panels (1,5 ~ 15mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 58 | 83 | 1,7 | JT101BIF-5 |

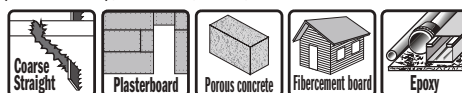


JT141HM



Plasterboard, fibre cement boards (<50mm). Glass fibre reinforced plastic/epoxy (5 ~ 20mm), Eternit®, MDF, HDF.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 75 | 100 | 4,3 | JT141HM-3 |

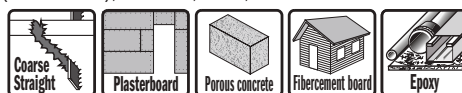


JT341HM



Plasterboard, fibre cement boards (<80mm). Glass fibre reinforced plastic/epoxy (5 ~ 50mm), Eternit®, MDF, HDF.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 110 | 132 | 4,3 | JT341HM-3 |



**JT118A**

Straight cuts on thin sheet metals, ferrous and non-ferrous (1 ~ 3mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 50 | 76 | 1,2 | JT118A-5 |

**JT218A**

Curve cuts on thin sheet metals, ferrous and non-ferrous (1 ~ 3mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 50 | 76 | 1,2 | JT218A-5 |

**JT118B**

Straight cuts on medium-thick metals, ferrous and non-ferrous (2,5 ~ 6mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 5 | 50 | 76 | 2 | JT118B-5 |

**JT123X**

Straight cuts on thin to thick sheet metals (1,5 ~ 10mm), pipes, profiles in plastic and aluminium (diameter <30mm), stainless steel (1,5 ~ 3mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank | 1,5 ~ 10mm | <30mm | <30mm | <30mm | 1,5 ~ 3mm |
|---------------|------|------|------------------------|----------------------|---------------|--------------|-------------|-----------|-------------|
| 5 | 75 | 100 | 1,2-2,6 | JT123X-5 | Fine Straight | THIN & THICK | Sheet Metal | Aluminium | PVC Plastic |

**JT127D**

Special for aluminium, thin to thick (3 ~ 15mm), pipes + profiles, (diameter <30mm) as well as plastic and fiberglass.

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank | 3 ~ 15mm | <30mm | <30mm | <30mm | 3 ~ 15mm |
|---------------|------|------|------------------------|----------------------|---------------|-------------|-----------|-------------|-----------------|
| 5 | 75 | 100 | 3 | JT127D-5 | Fine Straight | Sheet Metal | Aluminium | PVC Plastic | Pipes, profiles |

**JT718BF**

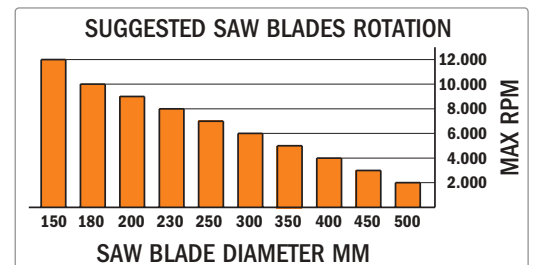
Special for sandwich material (<120mm).

| Pack Quantity | I mm | L mm | TS Tooth spacing mm | ORDER NO. T shank |
|---------------|------|------|------------------------|----------------------|
| 3 | 160 | 185 | 1,8 | JT718BF-3 |



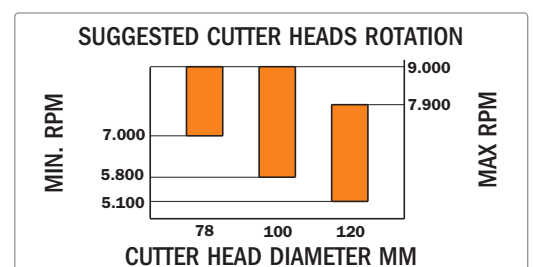
Saw blade safety

- ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use a fence and splitter when using the table saw. Do not make freehand cuts.
- ALWAYS** use pusher blocks or a pusher stick, especially when working with small or narrow pieces.
- ALWAYS** unplug your saw before cleaning or adjusting the tool, or before making blade changes.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the work against the rotation of the blade on table saws.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards from radial arm saws and miter saws.
- NEVER** remove the splitter or anti-kickback devices from table saws.
- NEVER** use dull or damaged blades.
- NEVER** use blades with missing or chipped teeth.
- NEVER** force the cut or overload the saw.
- NEVER** change blades with the saw plugged in.
- NEVER** make adjustments to any saw while the blade is turning.



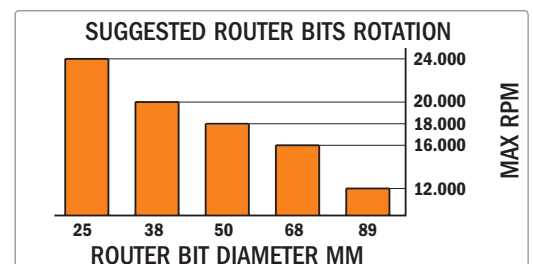
Cutter head safety

- ALWAYS** thoroughly check all cutters for damage and flaws before using.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use guards that were supplied with your shaper.
- ALWAYS** use a fence with your shaper. Do not make freehand cuts.
- ALWAYS** use pusher blocks, especially when working with small or narrow pieces.
- ALWAYS** unplug your shaper before cleaning or adjusting the tool, or before making cutter or knife changes.
- ALWAYS** be sure the spindle nut is tight before plugging in the shaper.
- ALWAYS** check that knives are properly and securely installed in the cutterhead when using interchangeable-knife systems.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- ALWAYS** feed the work against the rotation of the knives.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards or any other safety devices from your shaper.
- NEVER** use dull or damaged knives.
- NEVER** force the cut or overload the shaper.
- NEVER** change cutters or knives or make adjustments with the shaper plugged in.
- NEVER** make adjustments to the shaper while the cutter is turning.



Router bits safety

- ALWAYS** thoroughly check all tools for possible flaws before using.
- ALWAYS** wear safety glasses and ear protection.
- ALWAYS** thoroughly read the owners manual and manufacturer instructions before using.
- ALWAYS** check that at least 75% of the shank is securely inserted into the collet of the router.
- ALWAYS** use template guide collars when possible to absorb lateral bit deflection.
- ALWAYS** use a fence when working on the router table.
- ALWAYS** reduce the router speed when working with larger diameter bits.
- ALWAYS** keep your fence adjusted so there is some clearance between the bearing guide and the workpiece.
- ALWAYS** take care to remove large quantities of stock (cross section > 10mm) in more than one run.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- NEVER** use dull or defective, even suspiciously defective, tools.
- NEVER** force the shank entirely into the collet (bottoming out). Leave about a 3,2mm (1/8") space from the bottom.
- NEVER** force the bit into your router or overload the router.



Explanation of symbol



Tungsten carbide
tipped



Solid tungsten carbide



High speed steel



Alloyed tools steel



High-alloyed tool steel



High performance steel



High carbon steel



Bimetal



High speed steel



TiN coated bimetal
with 8% cobalt teeth



Cermet Carbide



Insert carbide



Carbide grit



Polycrystalline
diamond



Polycrystalline
diamond



Diamond grit



One cutting edge



One + one
cutting edges



Two cutting edges



Two + one
cutting edges



Two + two
cutting edges



Three cutting edges



Three + three
cutting edges



Three cutting edges
with chipbreaker



Four cutting edges



Twelve cutting edges



One spur



Two spur



Four spur



Right-hand rotation



Left-hand rotation



Right-hand &
Left-hand rotation



Antikick-back



Radial relief



Tool with plunging
capacity



Axial angle



Mechanical feed



Manual feed



Grooving, sizing



Rebating



Slotting



Non-axial boring



Spiral boring



Tool with bearing



Plastic box
for cutter head



Plastic carry case
for saw blades



Clamshell carry case
for saw blades



Cardboard box
for saw blades



Industrial Thin-kerf blade



ORANGE CHROME



High-Density Carbide



XTREME
High
performance tool



Non-Stick
Orange Shield
Coating™



Shear Angle Grind



Saw blade
with dampening slots
with fill



Saw blade
with dampening slots
without fill



Warning



Not for hand held use
for router table only



Wear safety shoes



Wear five finger gloves



Wear safety glasses



Wear ear protection



Wear dust mask



Wear safety helmet

Conditions of trading

PREMISE

C.M.T. products are the result of technological innovation achieved through continuous research applied on a vast scale. Drawings, technical data, photos of the products and packaging are supplied for the sole purpose of informing the customer and are not binding in any manner. **C.M.T.** may undertake, when necessary, modifications and improvements without applying these innovations to the parts already supplied. The operational tolerances conform to technical standards that are acceptable for this range of tools.

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All orders for our products are meant to be accepted at the price and sale conditions that are legally in force at the date of delivery.

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We will notify the acceptance of any order by an order confirmation in which we will indicate all details pertaining to the items purchased, their price and expected delivery date. Therefore, we will not be able to accept any modification after three working days from the date of receipt.

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In case of acceptance of the order, we will add € 15,00 for shipping and handling.

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The prices stated in **C.M.T.'s** quotation and price lists are gross and are intended to be "ex-works".

Prices and VAT will be those in force at the date of shipping. To the best of our knowledge, the prices indicated in our catalogues, price lists and order confirmations are correct. However, **C.M.T.** cannot be held legally liable for reserving the right to change prices without notification in line with the manufacturer's cost increases.

DELIVERY

Delivery dates in the order confirmation are given as an indication of the estimated delivery time. They have to be considered as reliable only in case of normal operating conditions, and there shall be no liability on the part of the Seller for any failure to deliver due to causes beyond the Seller's control. **C.M.T.** will also not be able to accept any cancellation of existing orders which were not delivered in time due to external impediments.

Standard products will be shipped within five working days from receipt of the order.

SHIPPING AND HANDLING

The packing of our products will be charged on the final invoice, while shipping is "ex-works" from our factory at Chiusa di Ginestreto (Pesaro).

All products supplied by **C.M.T.** travel at the customer's own risk.

C.M.T. retains the right to charge freight costs on the invoice in case of value under the minimum amount acceptable of €100,00.

C.M.T. will not be held responsible for any damage, theft or tampering that might occur during transport, and for which the forwarder will be legally liable according to article 1693 of the Civil Code. The customer, for his part, will have to check the goods at the moment of receipt and, in case any anomaly or damage is found, he will have to apply for a refund to be addressed to the forwarder.

PAYMENT

Cash payments can only be accepted for purchases done directly at the **C.M.T.** factory located in Chiusa di Ginestreto (Pesaro) in accordance with article 1182, sub-section 3 of the Civil Code, or upon delivery of the goods provided there is a written agreement between the parties.

Deferred methods of payment will have to be previously agreed with the Seller. In this case, if one or more instalments are not paid, the agreement will automatically expire according to article 1186 of the Civil Code.

A delay in payment, even partial, will automatically incur interest in the amount of an extra 5% to be charged to the customer's account.

In case of non payment, **C.M.T.** reserves the right to suspend any further supply of its products.

WARRANTY

All professional tools by **C.M.T.** are manufactured according to high standards of technology and are therefore warranted against any possible defect. This warranty does not cover damage or tampering which can be ascribed to inappropriate use. It is also not applicable for tools that have been re-sharpened.

This warranty does not cover the possible injuries resulting from inappropriate use of defective tools.

C.M.T. will repair or replace any goods which the buyer shall prove to have been defective in material or workmanship upon analysis by its technical department. Any complaint must be communicated within fifteen days from receipt of the goods together with a written form in which the customer provides a detailed description of the defect. Any return of tools will only be accepted upon authorisation by **C.M.T.** and the freight will be at the customer's own expense.

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