

# freud

Precisely the Best in Cutting Tools

## ROUTING TOOLS



# INTRODUCTION TO FREUD

## **Precisely the Best in Cutting Technology**

**Whether you are a fine woodworker or a high production cabinet shop, one thing is for certain... you depend on the best, most precise cutting tools that deliver superior quality finish with long cutting life.**

At Freud, we take to heart the time, money and creativity you dedicate to each woodworking project. That is why our philosophy is to consistently strive for perfection in cutting tool performance. Freud meticulously analyses every detail of the woodworker's needs and requirements; enabling us to design and produce superior tailored solutions. The level of precision that goes into each cutting tool is unprecedented in the industry. For example, each Freud saw blade takes up to 35 manufacturing steps. Each product is carefully crafted using the best materials, leading innovative designs, and the most sophisticated manufacturing process. Every product is specifically

designed for superior performance and maximum life. Just like you take pride in your projects, we take pride in our product so you receive the best cutting performance every time.

## ***Freud Premium Manufacturing***

Freud owns and operates the most innovative and technologically advanced manufacturing facilities in Italy and Switzerland; thus consistently delivering premium quality products. To ensure that the highest quality products meet the toughest design standards, Freud owns and operates ISO9001, Vision 2000 quality certified facilities; which is an acknowledgement of top quality production processes. In addition, Freud operates one the most modern product development research centres for cutting tools. By overseeing the entire manufacturing process from start to finish, Freud guarantees the highest quality, most advanced products in the industry.



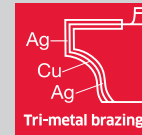
# ROUTER BITS EXPLAINED



Shear Angle

## High Shear Angle.

Providing the best finish possible as the router blade slices instead of chopping at the wood.



Tri-metal brazing

## Advanced Tri-Metal Brazing.

Allows router blades to withstand extreme impact for maximum durability.



TiCo Carbide

## TiCo Carbide.

Unique carbide formula for each application, for a maximised performance.



Anti-kickback

## Anti-Kickback Design.

For the safest routing possible.



Perma-SHIELD Coating

## Perma Shield Coating.

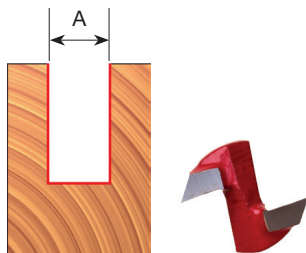
The superior non stick feature prevents the adhesion of resins, reducing downtime for cleaning.

# DOUBLE FLUTE ROUTER BITS



## 1/4" SHANK STRAIGHT CUTTERS

- ▶ Precise hook angle.
- ▶ End of bit relief allows for fast plunging.
- ▶ Finish ground on the face and outside diameter which provides a sharp cutting edge.
- ▶ Relief angles provide stability and strength as well as a free cutting bit.
- ▶ Designed for high production work with maximum chip clearance, for fast feed rates.



### Application:

- ▶ Cuts all composition materials, plywood, hardwood and soft wood.
- ▶ Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| MM-01025 | F03FR00332 | 10 x 25.4*   | £21.35      |
| 04-53625 | F03FR01507 | 15 x 31.8*   | £26.50      |
| 04-14025 | F03FR01469 | 19 x 19      | £30.05      |
| 04-10425 | F03FR01426 | 6.4 x 6.4    | £19.50      |
| 04-13025 | F03FR01455 | 12.7 x 19    | £19.60      |
| 04-12425 | F03FR01452 | 9.5 x 25.4   | £20.50      |
| 04-12625 | F03FR01453 | 9.5 x 31.8   | £23.75      |
| 04-13625 | F03FR01463 | 15.9 x 19    | £22.40      |
| 04-10525 | F03FR01427 | 6.4 x 15.9   | £17.35      |
| 04-13225 | F03FR01457 | 12.7 x 25.4  | £22.00      |
| 04-11825 | F03FR01446 | 7.9 x 25     | £19.05      |

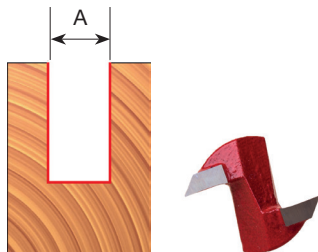
\* Router bits for intumescent fire strips

# DOUBLE FLUTE ROUTER BITS



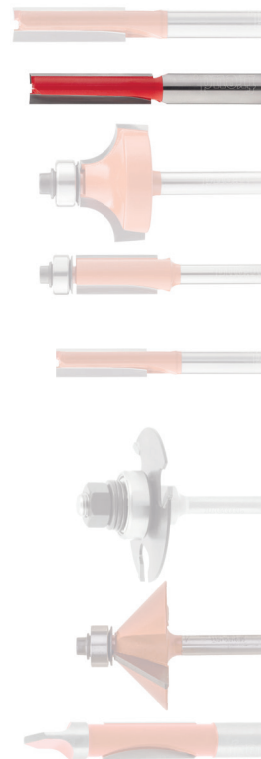
## 1/2" SHANK STRAIGHT CUTTERS

- ▶ Micrograin Carbide tips.
- ▶ Finish ground on the face and outside diameter which provides a sharp cutting edge.
- ▶ Relief angles provide stability and strength as well as a free cutting bit.
- ▶ Cut smoother than other bits due to the precise shear and hook angles.



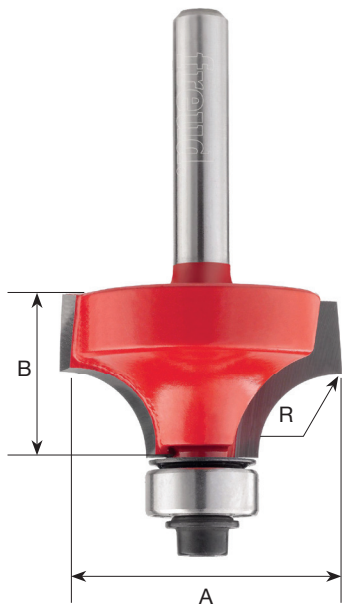
### Application:

- ▶ Ideal for clean cuts in any wood or composite and general stock removal with a smooth finish.
- ▶ Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.



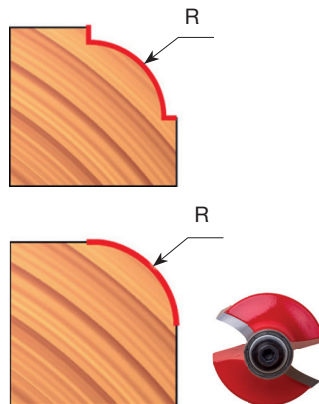
| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 12-12850 | F03FR01538 | 12.7 x 50    | £26.30      |
| 12-13050 | F03FR01539 | 12.7 x 63.5  | £32.90      |
| 12-12250 | F03FR01535 | 12.7 x 38.1  | £28.65      |
| 12-11050 | F03FR01529 | 9.5 x 31.8   | £25.15      |
| 12-10850 | F03FR01526 | 9.5 x 25.4   | £19.90      |
| 12-11850 | F03FR01533 | 12.7 x 31.8  | £21.70      |
| 12-15250 | F03FR01549 | 19 x 25.4    | £31.75      |
| 12-11650 | F03FR01532 | 12.7 x 25.4  | £20.25      |

# ROUNDING BITS



## 1/4" ROUNDING OVER BITS

- ▶ Ideal for rounding sharp corners and softening edges of furniture.
- ▶ Add a decorative touch by increasing the depth of cut until the shoulder produces a clean corner on the material.
- ▶ By changing the bearing you can convert a roundover bit to a beading bit.



### Application:

- ▶ Designed for use on CNC router machines. CNC router must have excellent hold downs to ensure the least possibility of part movement.
- ▶ Use for machining operations such as grooving, lettering and engraving in both natural and man-made material.
- ▶ Insert can be profiled on one cutting.

| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 34-11425 | F03FR01782 | 31.8 x 17.5  | £42.85      |
| 34-11625 | F03FR01785 | 38.1 x 19    | £48.95      |

# FLUSH TRIM BITS

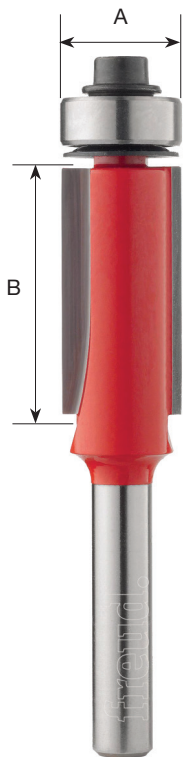
## 1/4" & 1/2" FLUSH TRIM BITS

- ▶ Can be used on both plastic laminates and solid wood veneers.
- ▶ Ideal for trimming cabinet laminate as well as pattern work.
- ▶ Use these bits for precise trim work on laminate counter tops, to follow patterns to create or duplicate intricate shapes, or for any task requiring a clean cut-off along a flush edge with a smooth, burn-free cut.

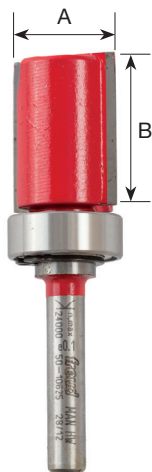
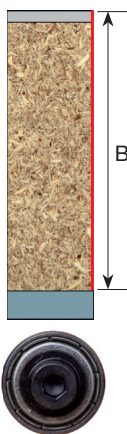
### Application:

- ▶ Cuts all composition materials, plywood, hardwood and soft wood.
- ▶ Use on portable or table-mounted routers.

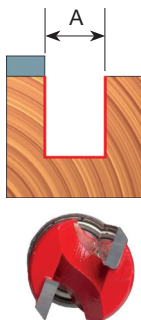
Bits feature two flute bits for faster cutting and three flute bits for a superior surface finish.



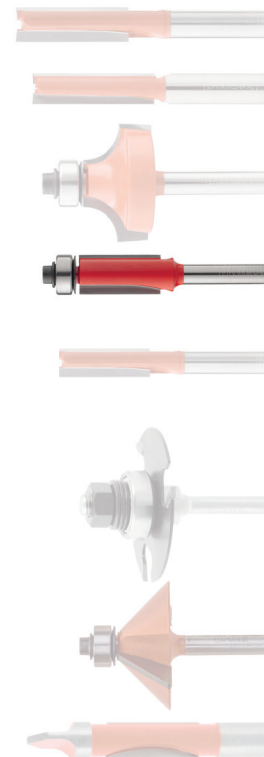
48- Series



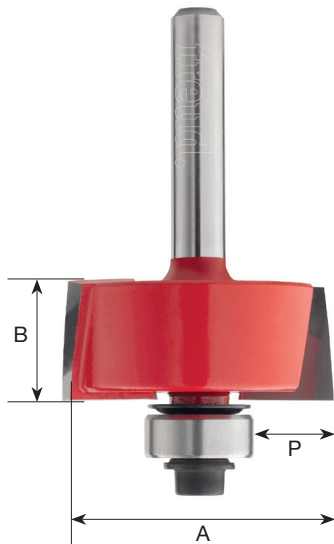
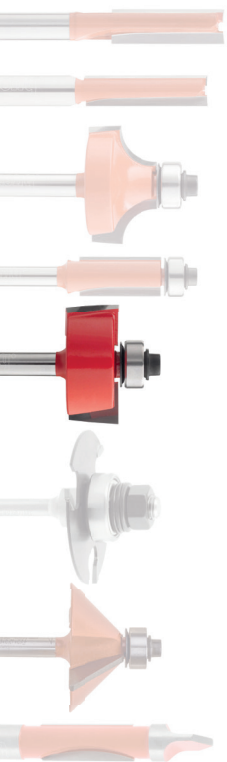
50- Series



|      | Code     | Order Code | Size (A x B) | List ex VAT |
|------|----------|------------|--------------|-------------|
| 1/2" | 44-10850 | F03FR01952 | 12.7 x 38.1  | £38.25      |
|      | 42-11050 | F03FR01943 | 12.7 x 25.4  | £25.40      |
| 1/4" | 42-10625 | F03FR01941 | 12.7 x 12.7  | £23.80      |
|      | 50-10225 | F03FR02004 | 12.7 x 25.4  | £27.95      |
|      | 50-10625 | F03FR02009 | 19 x 25.4    | £36.75      |
|      | 42-10425 | F03FR01940 | 12.7 x 25.4  | £21.20      |

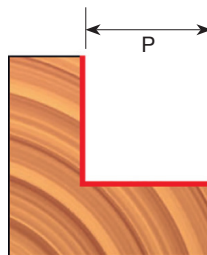


# RABBETING BITS



## 1/4" RABBETING BITS

- ▶ Rabbeting Bits are a versatile solution for any woodworker or cabinetmaker.
- ▶ Use them to make strong rabbeted joints, cut recesses to let in the back panels of cabinets, or create an interesting detail on built-up moulding.
- ▶ Produces super smooth cuts on both surfaces of the rabbet.
- ▶ By interchanging bearings you can create many different rabbet depths with a single bit.



### **Application:**

- ▶ Cuts all composition materials, plywood, hardwood and softwood.
- ▶ Use on hand-held and table-mounted routers.
- ▶ Steel pilots can be removed from bits and used with edge guides for wider rabbets.

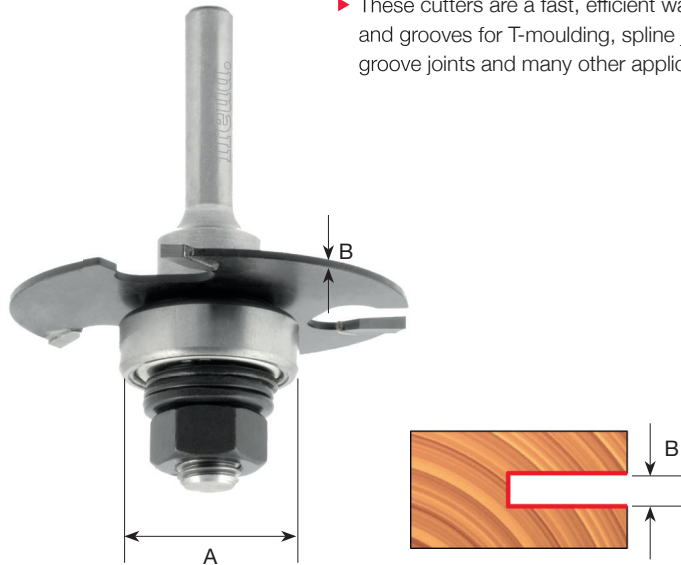
| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 32-10025 | F03FR01747 | 31.8 x 13.1  | £37.95      |



# WING SLOTTING CUTTER

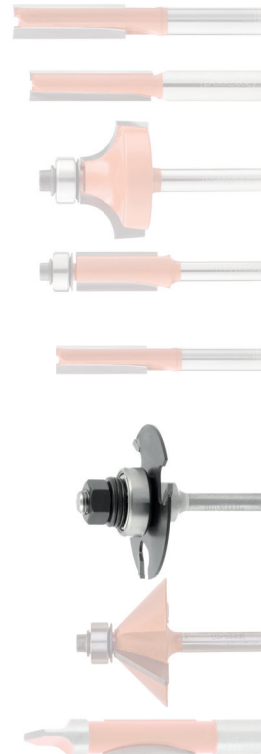
## 1/4" WING SLOTTING CUTTER

- ▶ Carbide tips outlast high-speed steel and require fewer sharpenings.
- ▶ Drill-through point allows self-starting, while the pilot will act as a guide for template work.
- ▶ These cutters are a fast, efficient way to rout slots and grooves for T-moulding, spline joints, tongue & groove joints and many other applications.



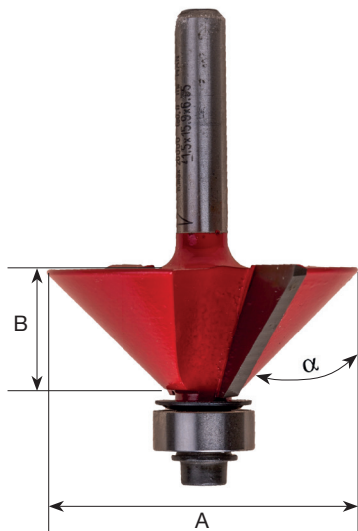
### Application:

- ▶ Cuts all composition materials, plywood, hardwood and softwood.
- ▶ Use in hand-held and table-mounted portable routers.



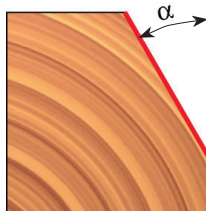
| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 63-60925 | F03FR02152 | 50.8 x 4     | £43.10      |

# CHAMFER BITS



## 1/4" CHAMFER BITS

- ▶ These chamfer bits form a clean, uniform chamfer on the edge of work piece, adding character whilst keeping crisp geometric lines.
- ▶ The chamfer profile seems simple, but it is a great solution for lots of multiple-sided projects, joinery, and easing edges.
- ▶ Creates a uniform chamfer on the edge of any work piece to add character, while retaining crisp geometric lines.

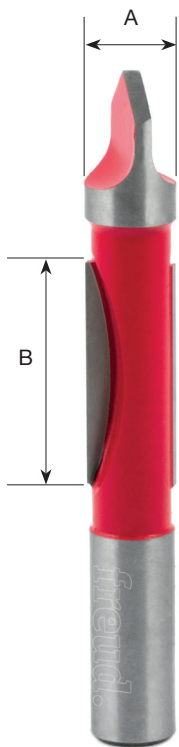


### Application:

- ▶ Routs hardwood, softwood, plywood and composites; use in hand-held or table-mounted portable routers.
- ▶ Chamfer size easily adjusts by changing the height of the bit or moving the fence.
- ▶ Cuts all composition materials, plywood, hardwood and softwood.
- ▶ Use on hand-held and table-mounted routers.

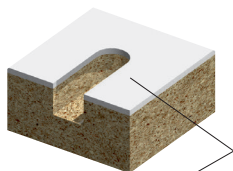
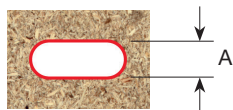
| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 40-10625 | F03FR01921 | 41.3 x 15.9  | £43.35      |

# PILOT PANEL BITS

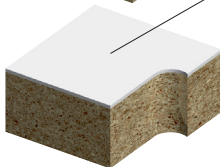


## 1/2" PILOT PANEL BITS

- ▶ Carbide tips outlast high-speed steel and require fewer sharpenings.
- ▶ Drill-through point allows self-starting, while the pilot will act as a guide for template work.
- ▶ Excellent for machining cut outs for windows, doors, etc. Finish cut out operations.

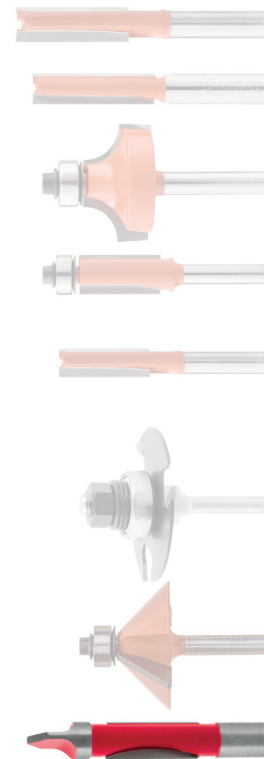


Melamine



### Application:

- ▶ Cuts all composition materials, plywood, hardwood and softwood.
- ▶ Use on hand-held portable router machines for template work.
- ▶ Use multiple passes when removing large quantities of material.



| Code     | Order Code | Size (A x B) | List ex VAT |
|----------|------------|--------------|-------------|
| 28-10450 | F03FR01693 | 12.7 x 31.8  | £31.50      |



# freud

Precisely the Best in Cutting Tools



We reserve the right to amend technical specifications, drawings and recommended prices are non-binding. No liability can be accepted for printing errors. The prices and promotions contained herein are not applicable to the Republic of Ireland; this information is provided for the review of product specifications only. Prices valid for 2020. 1619M00XY1

[www.freudtools.com](http://www.freudtools.com)

