

 **ALLIGATOR**  **CAIMAN**

High Performance End Mills



Aluminium cutters
with bite



INFINITE POSSIBILITIES.®

QUICKGRIND®
carbide tooling



INFINITE POSSIBILITIES.®

What if you could have the optimum tool, with the marginal cost increase more than covered by improved production throughput and efficiency? With Quickgrind, you can. Welcome to a world of Infinite Possibilities.®

At Quickgrind we do not limit ourselves to standard ranges, and we do not limit you to tools we happen to have in stock and want to sell you. Instead, our mission is to provide you with solution-based tooling, to give you the right tool, for the right job, at the right price.

Alligator and Caiman cutters can be designed specifically for your application and are available in virtually any size, diameter, radius, neck relief, coating or reach. Through-coolant and other options are also available.

End the compromise of standard tooling. Contact our team today to discuss your applications, aims and requirements. There are no limits, only Infinite Possibilities.®

Call +44 (0) 1684 294090
or visit quickgrind.com

Ordering is as easy as **one, two, three**

1. Choose your shank spec

- Length • Diameter • Tolerance
- DIN or other shank standards

2. Choose your neck spec

- Length • Diameter

3. Choose your head spec

- Length • Diameter
- Tolerance • Number of flutes
- Helix angle • Anti-vibration
- Radius • Chamfer
- Radial/axial through-coolant
- Ballnose • Coating
- Chip breakers



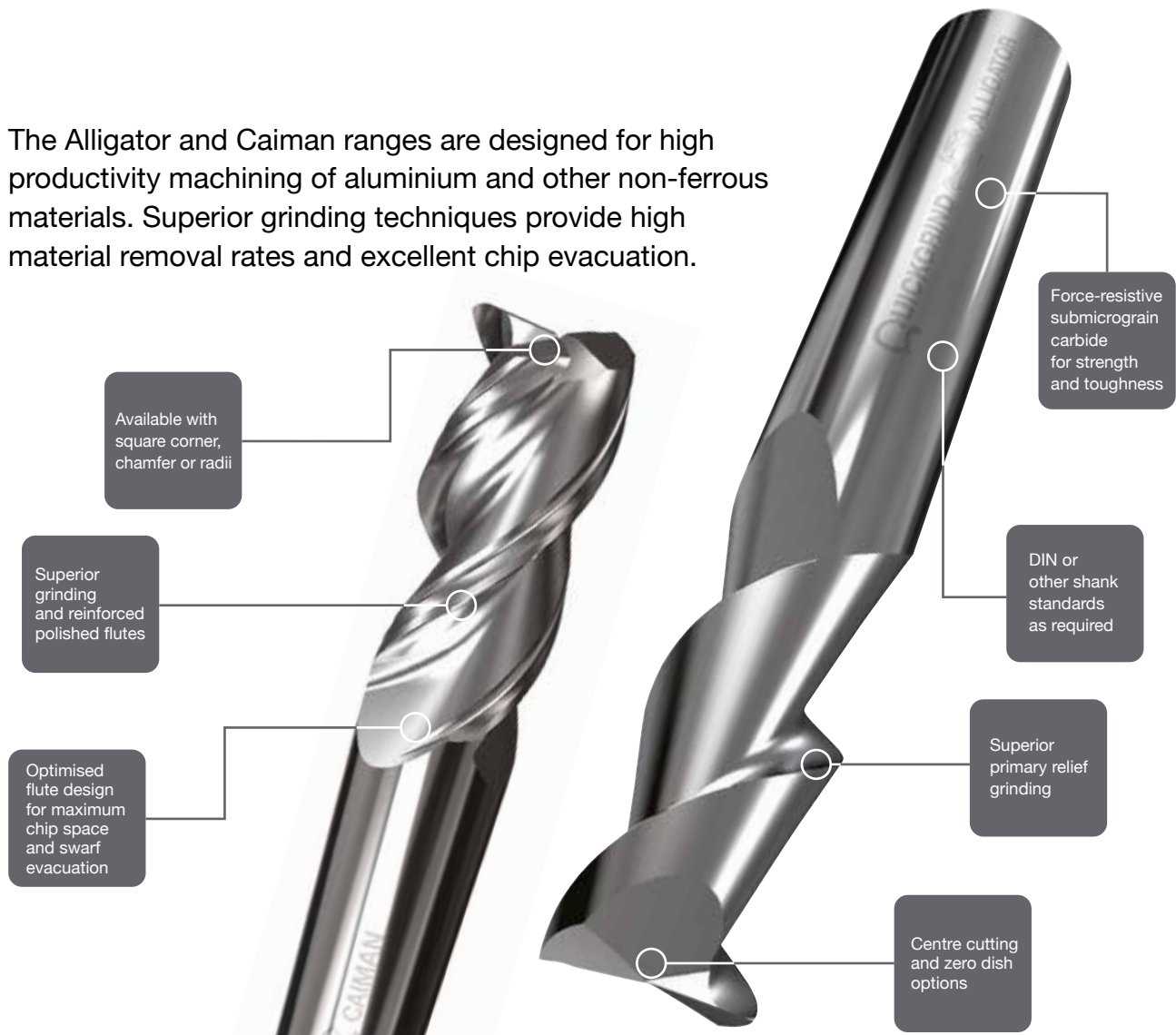
That's it. No catalogues to trawl through, no complicated product codes, no lengthy tables, just tell us what you need for your job and we will make it for you. Even specials can be designed, proved and delivered in days, at a cost you could recoup on your first job. That's Infinite Possibilities.®

**Remember, just ask
we will make it for you**

Performance enhanced

with high material removal rates

The Alligator and Caiman ranges are designed for high productivity machining of aluminium and other non-ferrous materials. Superior grinding techniques provide high material removal rates and excellent chip evacuation.



Applications	Benefits
<ul style="list-style-type: none"> • Roughing and finishing • Slotting • Profiling in mould and die, aerospace and other applications • HSM strategic milling • Trochoidal milling • Ramping 	<ul style="list-style-type: none"> • High productivity machining of aluminium, aluminium alloys and non-ferrous materials • Superior grinding techniques provide high material removal rates and excellent chip evacuation

Non-ferrous N
Aluminium alloys 2024, 5052, 5086, 6061, 6063, 6082, 6073, 7075
Aluminium die-cast A-390, A-392, B-398
Copper alloys – aluminium bronze, brass, naval brass, red brass, Beryllium copper, C110, bronze alloys
Plastics – ABS, PVC, Polycarbonate, Polypropylene



ALLIGATOR

High Performance End Mills

High feed

with excellent finish

The Alligator range is designed for machining a wide range of non-ferrous materials such as aluminium alloys. Versions are available as standard in 2 flute, 3 flute, ballnose and 2 flute long reach for those difficult to access areas.

This is a well-proven, tried and tested design that has been used for many years on a huge range of components from aerospace and motorsport to mould and die parts.

- Optional TX coating for ultimate abrasion resistance and low co-efficient of friction
- Maintains sharp edges and also suitable for remanufacture and recoating
- Versions with surface thickness options of 0.5-2µm and micro hardness of >500Hv



Available with features and dimensions designed for your specific applications, including chip breakers, ballnose and through-coolant (not shown)





High Performance End Mills

The choice

for 6000/7000 series aluminium

The Caiman is fast becoming the preferred tool when machining 6000 and 7000 series aluminium such as 6082 and 7075. Roughing and finishing at high speeds and feed rates are where this tool excels.

Combine this with trochoidal milling where 25% + width of cut (ae) and depth of cuts (ap) of 2-3 xD are possible, this tool provides high MRR and excellent swarf evacuation resulting in very high tool life. When provided with our chip breaker flute form, full flute engagement of 3.5-4xD can be achieved resulting in high productivity and greatly reduced cycle times.



Optional TX coating (not shown)

The Alligator and Caiman ranges are available to you now, with custom-made tools on a short delivery.

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or visit quickgrind.com



Applications

- Roughing and finishing
- Slotting
- Profiling
- HSM strategic milling
- Trochoidal milling
- Ramping

Benefits

- Higher feeds and speeds
- Higher wear resistance
- Vibration suppression
- Increased material removal rates
- Efficient chip removal
- Low cutting forces
- Excellent finish

Adding value

to your tooling investment

The Alligator and Caiman are suitable for remanufacture. Our unique QuickEdge process can give you up to nine times extra usage out of your tooling, and with material (and environmental) costs increasing, the benefits of remanufacture are clear.

- Tools controlled by size, number of reissues and remanufactures
- Extremely attractive price and performance over the life of the tool
- Reduces the need for virgin raw material, a limited resource

Remanufacture doesn't mean compromising on quality. It has always been our policy to produce tools of such high quality that they can be used more than once. Which means that even after nine remanufactures you will continue to enjoy new tool performance, and a clear conscience.

Ask
about our
introductory
offer today



24/7 control

of your tooling inventory

Is your tooling inventory reduced to a minimum? Is it secure?
Are your re-stocking orders generated automatically and on time?
Do you want to reduce your tool purchase administration costs?

Quickgrind's robust, proven tool vending solutions are the answer to all these issues and more. Once we have audited your tooling requirements and consumption levels, we will supply you with a fully stocked machine (our machines can hold from 528 to 1,680+ individual tools). Usage and stock levels are then automatically monitored and replacement tools sent before your stock runs out.

And because your tooling inventory and usage levels are pre-determined, you regain complete control of your purchase administration time and costs, to as little as one purchase order and one invoice per month.

Save time and money. Take control of your tooling with a vending solution from Quickgrind.



Benefits

- 24/7 secure access
- Allows minimum stock holding
- Automatic re-ordering
- User-friendly operation
- Tailor access to specific users and times
- Easy access to stock information and statistics
- Audit your tooling stock at the push of a button
- Suitable for new and remanufactured tools
- Stocks a wide range of tools types and sizes, and for high or low stock turnover
- Reduces purchase administration costs

Improving your machining performance

Quickgrind's state-of-the-art Technical Centre offers a comfortable and technologically advanced environment to discuss all of your cutting tool requirements, challenges and ambitions.

Our experts will work with you to conduct trials whilst generating and running tool paths and machining strategies. Our investment in the centre enables us to demonstrate what is possible with our ground-breaking tooling and tool management solutions.

The centre is fully equipped with a seminar theatre and training room, meeting rooms and machining centres. Visitors can take a guided tour of our production facility, undergo technical training and discuss their specific requirements.



Call us
today to
arrange
your visit

