ZMAC ADVANCED BORING

Our ZMAC Advanced Boring Heads feature a double-contact shoulder support and provide excellent reliability and performance for deep hole boring and high-speed boring operations.

FEATURES

- Unique double contact support
- High precision with simple micron adjustment
- Superior stability and rigidity
- Available as modular solution or “blade type” system for larger diameters
- Light alloy version available for higher speeds

Modular Range - Ø15.9 ~ 180.5mm

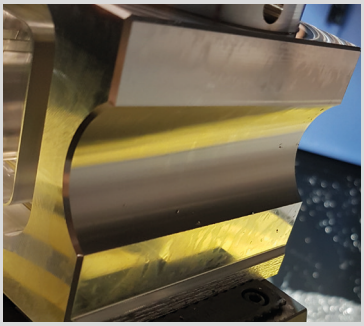
Large Range - Ø140 ~ 595mm

Shank - BT/MBT/NBT/HSK/IT/NIT/POLYGON

Insert Choices

We provide an extensive range of inserts and geometries to cater for a wide range of materials and applications.

Intermittent Aluminium Half Boring



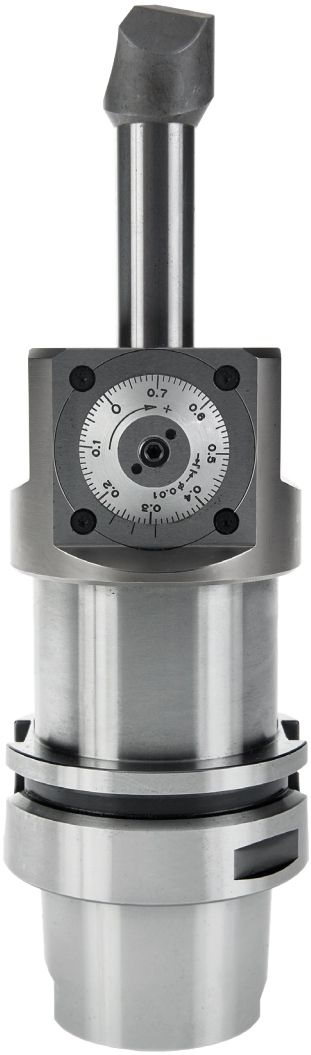
Diameter/Depth	105mm
Surface Speed	400m/min
DOC Radial	0.75mm
Feed Per Tooth	0.1mm

Fine Boring Solution

1. Cartridge fully supported throughout travel
2. Coolant through capability as standard
3. Hardened cartridge thread (HRC50-55) with precision grinding to ensure easy micro adjustment

DJ BORING

Adopting two sizes of head and an ever increasing range of boring bits, the DJ Boring System provides the versatility and range to cater for smaller diameter boring processes. The system allows micron accuracy and caters for any requirement by simply replacing the boring bit itself.



FEATURES

- Versatile and easy to use
- Carbide boring bits negate vibration
- Straight forward accurate adjustment
- Compatible with alternative boring bits
- New DJ 8 reduction sleeve - 16mm to 10mm

Boring Range -

Ø3 ~ 50mm

Shank -

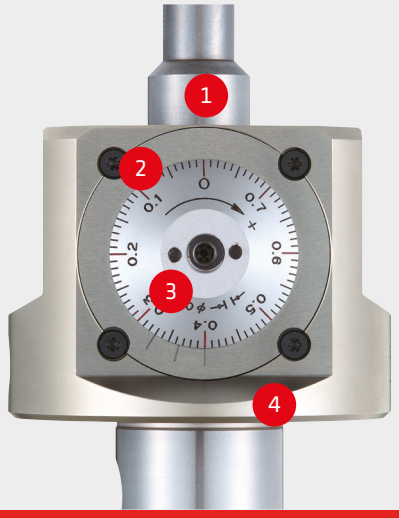
BT/MBT/NBT/HSK/IT/NIT/POLYGON

DJ Boring Bits

A versatile range of boring bits with carbide dampening are available from stock, either individually or included within complete sets.

Multi Cam Adjust System

1. Extensive range covered by a wide variety of boring bits
2. Easy to set micron accuracy
3. Graduation main dial is 0.01mm/ dia. Vernier reading is 0.005mm
4. Available for any machine spindle by using a NIKKEN Q26 modular base holder



RAC ADVANCED BORING

NIKKEN RAC Boring Heads feature a precision ground serration, giving perfect contact and balance between the holder and head. The RAC system provides the rigidity and stability to cater for larger diameter boring operations including roughing and semi-finishing.

FEATURES

- Both cartridges support each other to negate cutting forces
- Suitable for double cutting and stepped cutting (option)
- Cartridges available to suit various insert styles

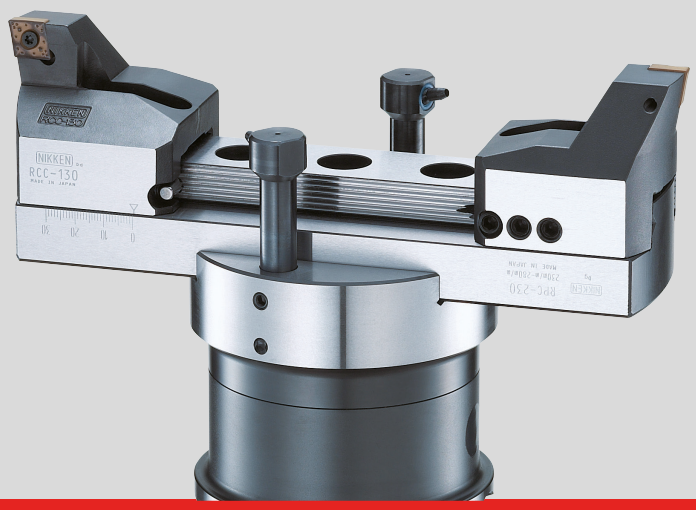
Modular Range - Ø25 ~ 130mm

Large Range - Ø130 ~ 580mm

Shank - BT/MBT/NBT/HSK/IT/NIT/POLYGON

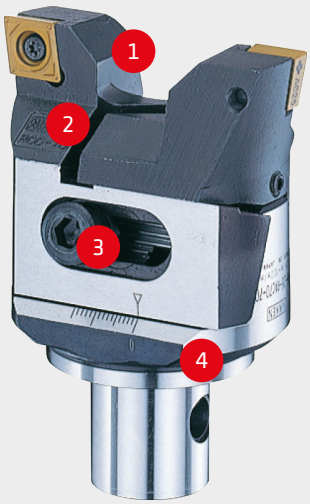
RAK/RPC Arbor & Blade

From Ø130~580mm, our balance cut blade system is adopted. This solution features many of the characteristics of standard RAC with the rigidity necessary for larger diameters. Also available for ZMAC, with balance weight, both options can be configured for high pressure coolant.



Perfomance & Rigidity

1. Double cutting with twin, self supporting cartridges
2. Precision ground “V” form slideways (NIKKEN scram)
3. Numerous cartridge options for different materials and processes
4. Available for any machine spindle by using a NIKKEN Q26 modular base holder



eMAC DIGITAL BORING

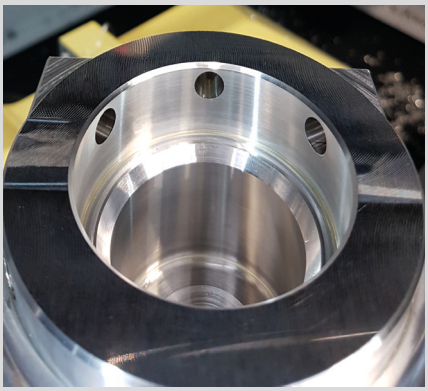
The NIKKEN eMAC Digital Boring System is a fine boring head with a digital display indicating the radial slide traverse. The target adjustment can be achieved easily, quickly and precisely.

Modular Range - Ø6 ~ 200mm

Shank - BT/MBT/NBT/HSK/IT/NIT/POLYGON

eMAC Aluminium Full Boring

From Ø130~580mm, our balance cut blade system is adopted. This solution features many of the characteristics of standard RAC with the rigidity necessary for larger diameters. Also available for ZMAC, with balance weight, both options can be configured for high pressure coolant.



Cutting Diameter/ Depth	60mm/ 20mm
Surface Speed	400m/min
DOC Radial	0.75mm
Feed Per Tooth	0.1mm

Digital Adjustment

1. Single button operation for 'On' & 'Reset', and to change between mm/inch
2. Adjust screw
3. Digital display resolution Ø2µm
4. Available for any machine spindle by using a NIKKEN Q26 modular base holder