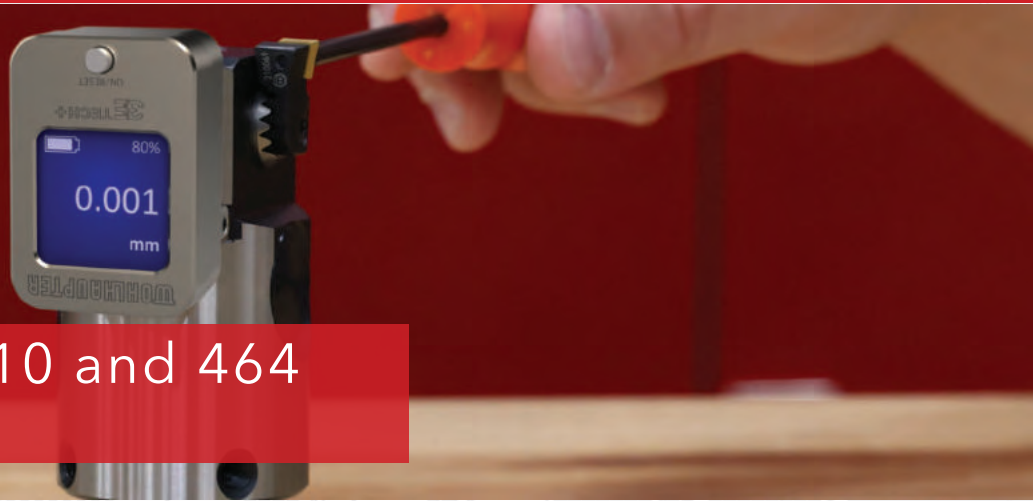


410 and 464 Product Overview



Digital 3E^{TECH+} 410 and 464 FINE BORING

Make easy diameter adjustments with our 3E^{TECH+} digital readout module.

Wohlhaupter® 410 and 464 digital boring heads are equipped with a 3E^{TECH+} docking port for easy digital adjustments. Boring heads from 29.00 mm offer precision boring with automatic balancing. Our boring heads are specifically engineered to minimise the residual imbalance produced by insert holder displacement. Wohlhaupter Alu-Line boring heads, ranging from 65.00 mm, offer a lightweight aluminium design with a wear-resistant coating that reduces weight on the spindle up to 50%. The insert holder can also be rotated for reverse machining jobs.

- Unbalanced 410 diameter range: 20.00 mm - 29.00 mm
- Balanced 464 diameter range: 29.00 mm - 205.00 mm
- Balanced 464 Alu-Line diameter range: 65.00 mm - 205.00 mm
 - Special coating on Alu-Line for wear-resistant surface
 - Alu-Line body reduces tool weight by 50%, reducing stress on the spindle
- Through coolant
- 3E^{TECH+} and vernier diameter adjustment of 0.002 mm
- Internal balancing improves tool life and surface finish
- Insert holder can be rotated for back boring jobs
- Max cutting speed: 1,700 M/min

Highly accurate adjustments through *vernier* scale



NOTE: 3E^{TECH+} adjustment accuracy of 0.001 mm on diameter

NOTE: Vernier adjustment accuracy of 0.002 mm on diameter

Versatile 3E^{TECH+} digital readout compatible with other boring tools

IMPORTANT: Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application Engineering department.
email: engineering.eu@alliedmachine.com

WOHLHAUPTER® 410 and 464 3E^{TECH+} DIGITAL BORING HEADS

Wohlhaupter 3E^{TECH+}

Improve productivity and quality with the Wohlhaupter 3E^{TECH+} external digital readout module. The 3E^{TECH+} docks onto boring heads and cassettes that offer the 3E^{TECH+} port to make easy diameter adjustments at the machine.

- Make quick and easy micron-accurate diameter adjustments
- Easy-to-read digital display shows exact diameter adjustments
- Designed to be removed from boring tool before operation (if forgotten 3E^{TECH+} will fall off at 500 RPM)
- Adjustments of 0.002 mm on diameter
- Water and dust resistant IP 56
- Coolant and chip resistant
- 3E^{TECH+} will automatically turn off after 30 seconds of not using
- WEEE-Reg.-Nr. DE 15820388

✓ High-production fine boring

✓ Easy diameter adjustment with 3E^{TECH+}

✓ Self-balancing 464 boring heads

410 & 464 BORING HEADS WITH 3E ^{TECH+}	
Diameter Range	Part No.
20.00 - 24.50	410001
24.50 - 29.00	410002
29.00 - 38.00	464003
38.00 - 50.00	464004
50.00 - 65.50	464005
65.00 - 83.00	464006
82.00 - 103.00	464007
100.00 - 130.00	464008
125.00 - 167.50	464009
162.50 - 205.00	464010



NOTE: 3E^{TECH+} adjustment accuracy of 0.001 mm on diameter

NOTE: Vernier adjustment accuracy of 0.002 mm on diameter

IMPORTANT: Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application Engineering department.
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