

# boring 465 (464) BORING HEAD

tools for fine boring

Ø 1.968" - 8.070" (50.00mm - 205.00mm)



- ✓ Available in digital or analog
- ✓ High-production fine boring
- ✓ Easy diameter adjustment
- ✓ Imperial and metric



**Self-balanced fine boring heads  
for high-precision machining**



BORING



DRILLING



REAMING



BURNISHING



THREADING



SPECIALS



**ALLIED MACHINE  
& ENGINEERING**

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Allied Machine offers a wide range of drilling, boring, reaming, burnishing, and threading tools to lower your **cost per hole**.

**AYMA**  
HERRAMIENTAS



# 465 (464) BALANCED BORING HEAD

## PRECISION BORING FOR THE FUTURE.

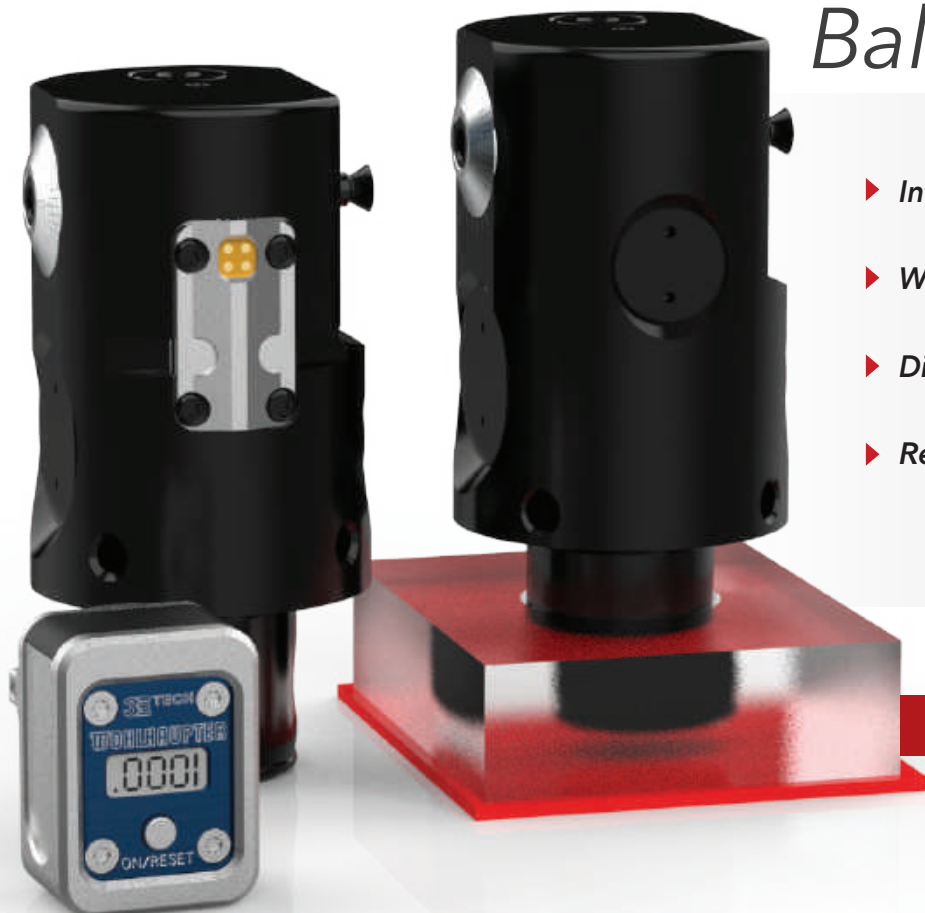
Wohlhaupter® 465 (464) balanced boring heads offer precision boring with automatic balancing and are available in an analog version or are equipped with a 3E<sup>TECH</sup> docking port for easy digital adjustments. It is specifically engineered to minimize the residual imbalance produced by insert holder displacement. The Alu-Line boring heads, ranging from 2.559" - 8.070" (65.00mm - 205.00mm), offer a lightweight aluminum design with a wear resistant coating that reduces weight on the spindle up to 50% yet remains durable in challenging boring applications. The insert holder can also be rotated for reverse machining jobs.

Test the *engineered lightweight* boring head today.



## Balanced Precision

- ▶ **Internal balancing**  
for improved tool life and surface finish
- ▶ **Wohlhaupter MVS connection**  
capable of adapting to any machine
- ▶ **Diameter adjustment of .0001" (.002mm)**  
for high-precision boring
- ▶ **Reverse machining capabilities**  
by rotating the insert holder



**ANALOG BORING HEADS**



**465 (464) Analog Boring Heads**

	MVS Connection	Boring Range	Weight	Part No.
<b>i</b>	40 - 22	1.968 - 2.579	1.764 (lbs)	<b>465035</b>
<b>m</b>	40 - 22	50.00 - 65.50	0.80 (kg)	<b>464035</b>

**465 (464) Analog Alu-Line Boring Heads**

	MVS Connection	Boring Range	Weight	Part No.
<b>i</b>	50 - 28	2.559 - 3.268	1.323 (lbs)	<b>465036</b>
	63 - 36	3.228 - 4.055	2.205 (lbs)	<b>465037</b>
	80 - 36	3.937 - 5.118	3.307 (lbs)	<b>465038</b>
	80 - 36	4.921 - 6.594	4.189 (lbs)	<b>465039</b>
	80 - 36	6.398 - 8.070	5.512 (lbs)	<b>465040</b>
<b>m</b>	50 - 28	65.00 - 83.00	0.60 (kg)	<b>464036</b>
	63 - 36	82.00 - 103.00	1.00 (kg)	<b>464037</b>
	80 - 36	100.00 - 130.00	1.50 (kg)	<b>464038</b>
	80 - 36	125.00 - 167.50	1.90 (kg)	<b>464039</b>
	80 - 36	162.50 - 205.00	2.50 (kg)	<b>464040</b>

NOTE: Insert holders and inserts sold separately  
 NOTE: Vernier adjustment accuracy of 0.0001" or 0.002mm on diameter

**DIGITAL BORING HEADS**

**465 (464) 3E<sup>TECH</sup> Digital Boring Heads**

	MVS Connection	Boring Range	Weight	Part No.
<b>i</b>	40 - 22	1.968 - 2.579	1.764 (lbs)	<b>465005</b>
<b>m</b>	40 - 22	50.00 - 65.50	0.80 (kg)	<b>464005</b>

**465 (464) 3E<sup>TECH</sup> Digital Alu-Line Boring Heads**

	MVS Connection	Boring Range	Weight	Part No.
<b>i</b>	50 - 28	2.559 - 3.268	1.323 (lbs)	<b>465006</b>
	63 - 36	3.228 - 4.005	2.205 (lbs)	<b>465007</b>
	80 - 36	3.937 - 5.118	3.307 (lbs)	<b>465008</b>
	80 - 36	4.921 - 6.594	4.189 (lbs)	<b>465009</b>
	80 - 36	6.397 - 8.070	5.512 (lbs)	<b>465010</b>
<b>m</b>	50 - 28	65.00 - 83.00	0.60 (kg)	<b>464006</b>
	63 - 36	82.00 - 103.00	1.00 (kg)	<b>464007</b>
	80 - 36	100.00 - 130.00	1.50 (kg)	<b>464008</b>
	80 - 36	125.00 - 167.50	1.90 (kg)	<b>464009</b>
	80 - 36	162.50 - 205.00	2.50 (kg)	<b>464010</b>

NOTE: Insert holders and inserts sold separately



**3E<sup>TECH</sup> Digital Readout Module**

	Part No.
<b>i</b>	<b>563010</b>
<b>m</b>	<b>536010</b>



NOTE: Imperial items pictured  
 NOTE: Adjustment accuracy of 0.0001" or 0.002mm on diameter

NOTE: WEEE-Reg.-Nr. DE 15820388  
 NOTE: 3E<sup>TECH</sup> must be ordered separately.



## ITEM NUMBER CONVERTER

FEATURES AN **ENHANCED** CLAMPING MECHANISM FROM OUR TRUSTED LINE OF 565(564) DIGITAL FINE BORING HEADS

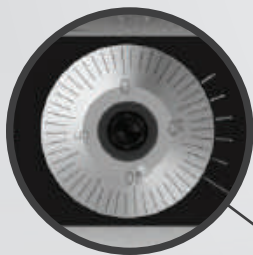


### ANALOG BORING HEAD PART NUMBER CONVERSION

	Old Part No.	NEW Part No.
i	365034	465035
	365045	465036
	365046	465037
	365047	465038
	365048	465039
	365049	465040
m	364034	464035
	364045	464036
	364046	464037
	364047	464038
	364048	464039
	364049	464040

## EXPERIENCE PRECISION BORING TODAY

Aluminum bodies with **wear-resistant** coating from 2.559" - 8.070" (65.00mm - 205.00mm)



Highly accurate adjustments through **vernier** scale



Versatile **3E<sup>TECH</sup>** digital readout compatible with other Wohlhaupter® boring tools

Equipped with **self-balancing** mechanism

**1.330.343.4283**

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Dover, OH 44622  
United States  
www.alliedmachine.com

Allied Machine offers expert engineering support. Whether you need a quote, a test, or an application solution, a highly skilled and trained engineer is standing by, ready to help.  
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