

U | CLASS

URMA Boring Head Kits

- + Alpha & Beta DigiTec
- + Balanceable Alpha
- + Balanceable Beta
- + Non-Balanceable Alpha

AHB Tooling & Machinery, Inc.
Complete Metalworking Solutions
Roseville Saginaw & Jackson, MI

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URMA Boring Head Kits

- ▶ Since forming a strategic alliance with Urma AG of Rapperswil, Switzerland in 1988, Command Tooling Systems has marketed Urma modular boring tools in North America. Urma is noted worldwide as a premier manufacturer of high performance modular boring systems, including the first adjustable balanced boring head (20,000 RPM capacity) available anywhere.

Command Tooling Systems is a world leader in high performance, high precision tool holders ideal for Urma Precision Boring Systems. Tools are stocked in Ramsey, MN and available for immediate delivery. USA built tool holders and Swiss built precision tools combine for maximum performance.

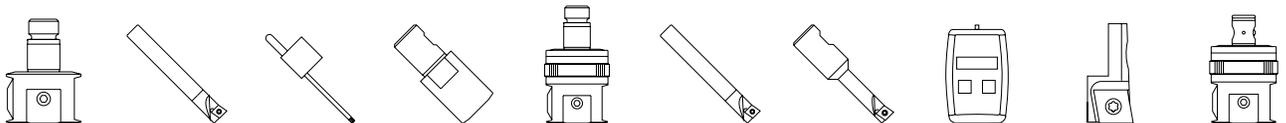
MicroMax™ Boring System:

- + MicroMax™ adjusts accurately with minimal backlash allowing precise balancing for each specific diameter; improving bore concentricity, roundness, surface finish, and increased tool life.
- + Micro-adjustable balanceable, and non-balanceable boring heads allow for accurate adjustment with graduations of 0.0001" to adjust down to 0.0002" on diameter.
- + MicroMax™ balanceable boring head allows our boring bars to cover a wide range. You bore precise, round holes vibration-free at recommended cutting speeds.
- + Industry standard indexable inserts are used in all Urma tools. You benefit from leading edge carbide grades and geometries for best performance and cost.
- + Two distinct connections: Alpha Module and Beta Module®. Both share the same advantages, creating the most rigid and versatile modular boring system available.
- + All tooling is coolant through. Individual tools and assemblies are coolant through unless noted.

DigiTec MicroMax™ Boring System:

All the features mentioned above Plus:

- + Digital technology for the entire Urma fine boring head family from $\varnothing 0.040$ "– 94.488 " ($\varnothing 1\text{mm}$ – 2400mm).
- + Only one hand held unit is required for the entire DigiTec family.
- + No maintenance, minimal risk of failure. Battery and display are located in the hand held unit.
- + Highest precision through direct measuring of the movement.
- + Large digital display equals no setting errors. Easily switchable between Inch and Metric.
- + Safe handling, even under poor lighting conditions with back lit display.
- + Hybrid usage allowing the boring heads to be adjusted by means of standard conventional dial.



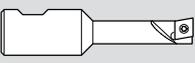
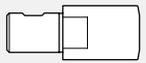
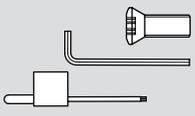
DigiTec Alpha $\varnothing 0.287'' - 0.984'' / \varnothing 7\text{mm} - 25\text{mm}$

- ▶ The DigiTec Alpha kit contains all the necessary components to begin using your Balanceable DigiTec Alpha boring head. The kit includes everything shown below, including 2 different insert types, and all spare parts needed for boring bars and inserts.

Part No: 05-42-00-31-DC



*Toolholder not included in kit. Please specify at time of order.
Boring bar and insert spare part quantity varies per kit.

Qt.	Description	Image
1	Balanceable DigiTec Alpha Fine Boring Head	
2	Carbide Boring Bars	
2	Steel Boring Bars	
2	Reducer Bushings	
1	Fine Boring Insert Cartridge	
10	2 Types of Indexable Inserts (10 inserts total, 5 ea type)	
*	Boring Bar / Insert Spare Parts	
1	DigiTec Hand Held Unit	
1	Carry Case	

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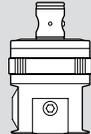
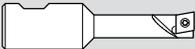
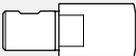
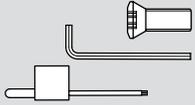
DigiTec Beta $\varnothing 0.287''-0.984'' / \varnothing 7\text{mm}-25\text{mm}$

- ▶ The DigiTec Beta kit contains all the necessary components to begin using your Balanceable DigiTec Beta boring head. The kit includes everything shown below, including 2 different insert types, and all spare parts needed for boring bars and inserts.

Part No: B05-40-00-31-DC



*Toolholder not included in kit. Please specify at time of order.
Boring bar and insert spare part quantity varies per kit.

Qt.	Description	Image
1	Balanceable DigiTec Beta Fine Boring Head	
2	Carbide Boring Bars	
2	Steel Boring Bars	
2	Reducer Bushings	
1	Fine Boring Insert Cartridge	
10	2 Types of Indexable Inserts (10 inserts total, 5 ea type)	
*	Boring Bar / Insert Spare Parts	
1	DigiTec Hand Held Unit	
1	Carry Case	

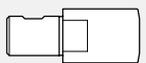
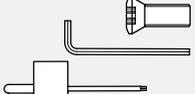
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Balanceable Alpha $\varnothing 0.228''-0.787'' / \varnothing 5.8\text{mm}-20\text{mm}$

- ▶ The Balanceable Alpha kit contains all the necessary components to begin using your Balanceable Alpha boring head. The kit includes everything shown below, including 2 different insert types, and all spare parts needed for boring bars and inserts.

Part No: 05-42-00-40-C



Qt.	Description	Image
1	Balanceable Alpha Fine Boring Head	
1	Carbide Boring Bar	
2	Steel Boring Bars	
1	Reducer Bushing	
10	2 Types of Indexable Inserts (10 inserts total, 5 ea type)	
*	Boring Bar / Insert Spare Parts	
1	Carry Case	

*Toolholder not included in kit. Please specify at time of order.
Boring bar and insert spare part quantity varies per kit.

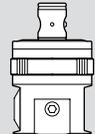
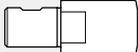
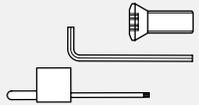
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Balanceable Beta $\varnothing 0.228''-0.787'' / \varnothing 5.8\text{mm}-20\text{mm}$

- ▶ The Balanceable Beta kit contains all the necessary components to begin using your Balanceable Beta boring head. The kit includes everything shown below, including 2 different insert types, and all spare parts needed for boring bars and inserts.

Part No: B05-40-00-40-C



Qt.	Description	Image
1	Balanceable Beta Fine Boring Head	
1	Carbide Boring Bar	
2	Steel Boring Bars	
1	Reducer Bushing	
10	2 Types of Indexable Inserts (10 inserts total, 5 ea type)	
*	Boring Bar / Insert Spare Parts	
1	Carry Case	

*Toolholder not included in kit. Please specify at time of order.
Boring bar and insert spare part quantity varies per kit.

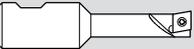
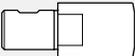
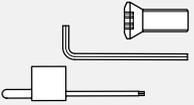
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Non-Balanceable Alpha $\varnothing 0.228'' - 0.787'' / \varnothing 5.8\text{mm} - 20\text{mm}$

- ▶ The Non-Balanceable Alpha kit contains all the necessary components to begin using your Non-Balanceable Alpha boring head. The kit includes everything shown below, including 2 different insert types, and all spare parts needed for boring bars and inserts.

Part No: 05-42-00-41-C



Qt.	Description	Image
1	Balanceable Beta Fine Boring Head	
1	Carbide Boring Bar	
2	Steel Boring Bars	
1	Reducer Bushing	
10	2 Types of Indexable Inserts (10 inserts total, 5 ea type)	
*	Boring Bar / Insert Spare Parts	
1	Carry Case	

*Toolholder not included in kit. Please specify at time of order.
Boring bar and insert spare part quantity varies per kit.

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