

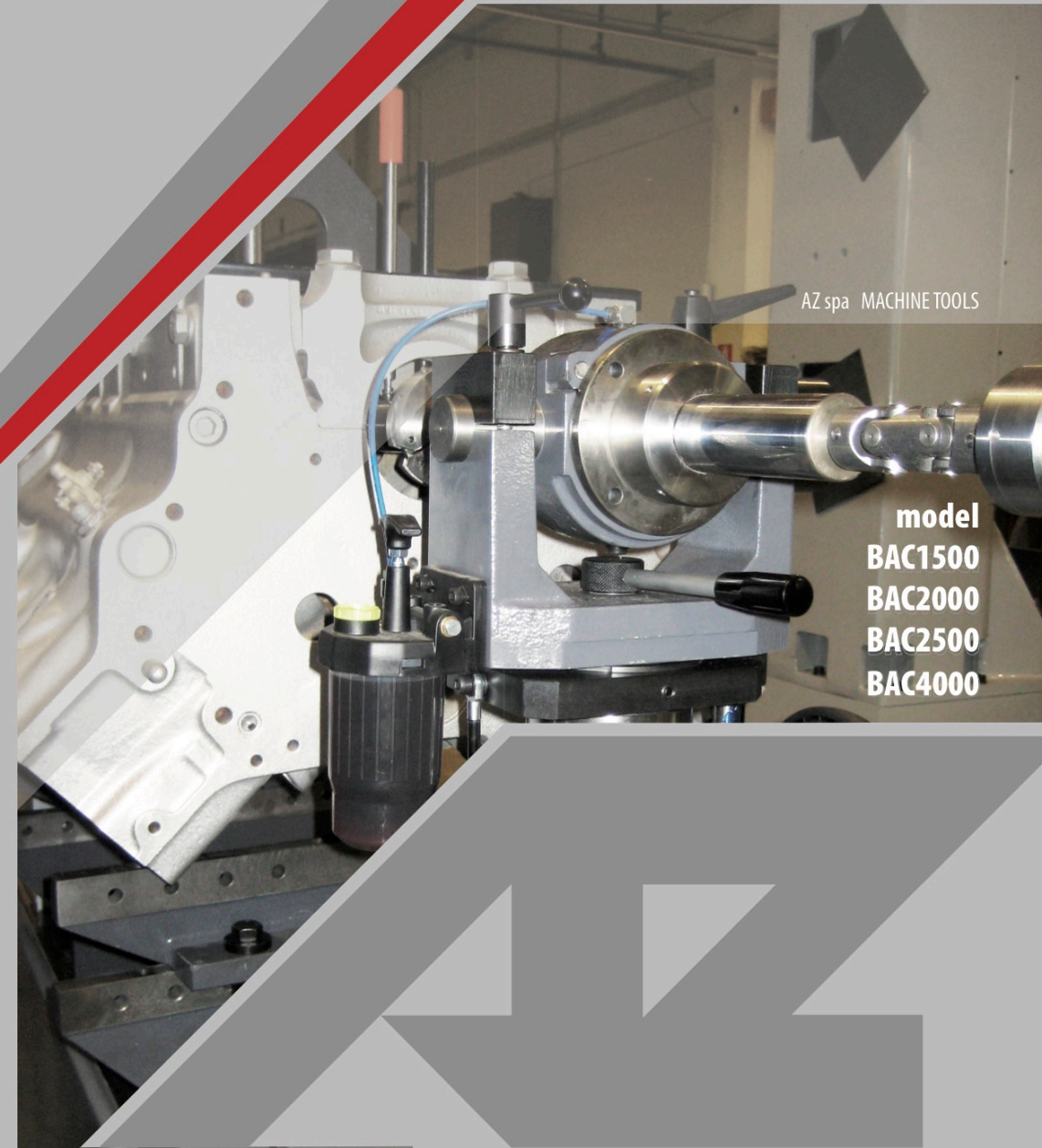
## BAC // Line Boring machine



	BAC1500	BAC2000	BAC2500	BAC4000
<b>WORKING CAPACITY</b>				
Max length of block	1500 mm	2000 mm	2500 mm	4200 mm
Min e max boring diameter	23-200 mm	23-200 mm	23-200 mm	23-250 mm
Maximum spindle travel	400+120 mm	400+120 mm	400+120 mm	400+120 mm
<b>GEOMETRIC FEATURES</b>				
Min distance from bed to centerline	450 mm	450 mm	650 mm	650 mm
Max distance from bed to centerline	650 mm	650 mm	850 mm	850 mm
<b>SPEEDS AND FEEDS</b>				
Variable spindle speed	100-600 mm/min	100-600 mm/min	100-600 mm/min	100-600 mm/min
Continuos automatic feed	0-80 mm/min	0-80 mm/min	0-80 mm/min	0-80 mm/min
<b>MOTOR RATINGS</b>				
Spindle motor power	1.5 KW	1.5 KW	1.5 KW	1.5 KW
Feed motor power	75 W	75 W	75 W	75 W
<b>DIMENSIONS</b>				
Lenght x width x height	3320x650x1680 mm	3820x650x1680 mm	4320x650x1880 mm	6320x650x1880 mm
Weights without packing	1300 kg	1400 kg	1550 kg	2050 kg

AZ spa MACHINE TOOLS

## BAC - LINE BORING MACHINES



AZ spa MACHINE TOOLS

model  
BAC1500  
BAC2000  
BAC2500  
BAC4000



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Subject to change as of MAY 2011

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## BAC // Line Boring machines



### THE BAC SERIES

The BAC series of line boring machines delivers superior accuracy and reliability for successful line boring of main and camshaft bearings.

The base are exceptionally heavy to eliminate any possibility of deflection, and the drive shaft is particularly sturdy and has an exceptional working force. The low voltage electrical system is designed as per the latest safety standards.

The lubrication system is very simple and rational. The manual working feed has a quick or micrometric control and the automatic working feed has variable speed in both directions. The boring bar holder supports are adjustable vertically and horizontally.

Workholding fixtures deliver superior performance and are designed to minimize the chances of errors in set-up. All controls are easy to understand and to use. They are placed in a convenient position, allowing the operator easy access when standing near the workpiece.

1. Comandi elettrici in 24 volt
2. Variatore di velocità mandrino
3. Variatore di velocità avanzamenti di lavoro
4. Comandi di inversione avanzamenti
5. Comando inversione rotazione mandrino
6. Segnali di surriscaldamento motori
7. Visualizzatori di velocità di lavoro



Device for the 360° rotation of the spindle head



**BAC400**  
+ AZ558S Equipment for boring from 100 to 400 mm dia with 70x4000 mm dia chromed bar

### EQUIPMENT

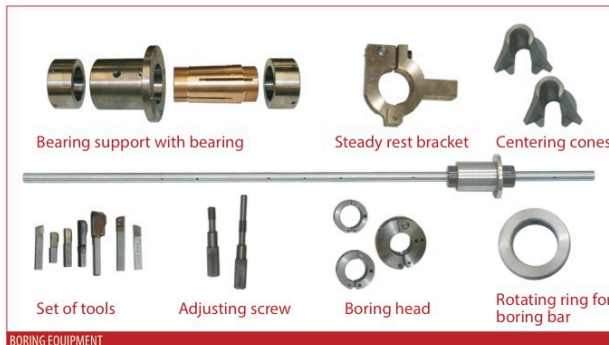
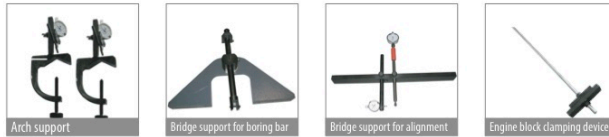
- Low voltage electric control 24 V
- Pair of arch supports with no. 2 dial gauges
- Bridge support for boring bar
- Toe clamp assembly ( 4 pieces )
- Bridge support for alignment with dial gauge
- Tool setting device with instrument (AZ706)
- Engine block clamping device with bar
- Pair of parallel supports H. 230x600 mm.
- Pair of parallel supports H. 100x600 mm.
- Pair of parallel supports H. 145x400 mm.
- Operating manual
- Service Tools

### RECOMMENDED

- AZ552 Equipment for boring from 28 to 55 mm with
- AZ554 Equipment for boring from 40 to 100 mm. diameter
- AZ556 Equipment for boring from 90 to 200 mm
- AZ711 Inner gauge for bushing from 35 to 105 mm diameter with dial gauge

### OPTIONAL

- AZ551 Equipment for boring from 22 to 55 mm. dia
- AZ553 Equipment for boring from 32 to 60 mm. dia
- AZ555 Equipment for boring from 50 to 150 mm dia
- AZ557 Equipment for boring from 100 to 200 mm dia
- AZ558S Equipment for boring from 100 to 400 mm dia
- AZ714 Inner gauge from 100 to 220 mm with dial gauge
- AZ717 Facing device to be applied to bar 45mm
- AZ833 Grinder for tools complete with sharpening support
- AZ862 Distance control device



### EQUIPMENT FOR BORING

Part number		AZ555	AZ556	AZ557	AZ551	AZ552	AZ553	AZ554	
Boring Range	mm	from 50 to 150	from 90 to 200	from 100 to 200	from 23 to 50 mm	from 28 to 50	from 32 to 60	from 40 to 100	
Boring bar	mm	dia. 45 Lgth. 2100	dia. 50 Lgth. 2800	dia. 60 Lgth. 3000	dia. 22 Lgth.1300	dia. 25 Lgth. 1300	dia. 30 Lgth. 1600	dia. 38 Lgth. 1950	
Bearing support	mm	2	2	2	2	2	2	2	
Bearings	mm	2	2	2	2	2	2	2	
Centering cones	mm	2	2	2	2	2	2	2	
Steady rest bracket	mm	1	1	1	1	1	1	1	
Boring tools	mm	dia. 8 lgth. 12 dia. 8 lgth. 15 dia. 8 lgth. 22 dia. 8 lgth. 27 dia. 8 lgth. 30 DX dia. 8 lgth. 43 SX dia. 8 lgth. 43 DX dia. 8 lgth. 53 SX dia. 8 lgth. 53	dia. 8 lgth. 12 dia. 8 lgth. 15 dia. 8 lgth. 22 dia. 8 lgth. 27 dia. 8 lgth. 30 DX dia. 8 lgth. 43 SX dia. 8 lgth. 43 DX dia. 8 lgth. 53 SX dia. 8 lgth. 53	dia. 8 lgth. 12 dia. 8 lgth. 15 dia. 8 lgth. 27 dia. 8 lgth. 30 DX dia. 8 lgth. 43 SX dia. 8 lgth. 43 DX dia. 8 lgth. 53 SX dia. 8 lgth. 53	DX dia. 7 lgth. 22 SX dia. 7 lgth. 22 DX dia. 7 lgth. 33 SX dia. 7 lgth. 33	DX dia. 7 lgth. 22 SX dia. 7 lgth. 22 DX dia. 7 lgth. 33 SX dia. 7 lgth. 33	DX dia. 7 lgth. 22 SX dia. 7 lgth. 22 DX dia. 7 lgth. 33 SX dia. 7 lgth. 33	DX dia. 7 lgth. 22 SX dia. 7 lgth. 22 DX dia. 7 lgth. 33 SX dia. 7 lgth. 33	DX dia. 7 lgth. 22 SX dia. 7 lgth. 22 DX dia. 7 lgth. 33 SX dia. 7 lgth. 33
Chamfering tools	mm	dia. 8 Lgth. 63			dia. 7 Lgth. 48	dia. 7 Lgth. 48	dia. 7 Lgth. 48	dia. 7 Lgth. 48	
Boring heads	mm	dia. 65 dia. 75 dia. 100 dia. 120	dia. 90 dia. 120 dia. 150	dia. 100 dia. 130 dia. 160	-	-	dia. 50	dia. 65	