

BEARINGS

Workpiece: bearing.

Machine tipology.

Production external grinders, with 2 wheels and with wheel-head positioning within the range between 0° and 210° by means of "B" axis.

Machining method.

The machine grinds the external race of the bearing ring.

The workpiece is driven by a magnetic chuck and it is supported by special holding devices.

Workpiece loading/unloading is manual.



Height of centres mm 250

Max. grinding diameter mm 400

Max. cantilever weight kg 100

Max. wheel dimensions (diameter x thickness) mm 610 x 80

Wheel peripheral speed m/s 45

Wheel motor power kW 15

Max. stroke axes X / Z mm 500 / 1450

Workpiece: bearing.

Machine tipology.

Production external grinder, with wheel-head unit positioning within the range between 0° and 26°34' by means of "B" axis.

Machining method.

The machine grinds the external race of the bearing ring.

The workpiece is driven by a magnetic chuck, it is supported and centered by special holding devices.

Workpiece loading/unloading is manual.



Distance between centres mm 800

Max. grinding length mm 400

Height of centres mm 305

Max. grinding diameter mm 600

Max. weight between centres kg 150

Wheel dimensions (diameter x thickness) mm 610 x 150

Wheel peripheral speed m/s 50

Wheel motor power kW 28

Max. stroke axes X / Z mm 350 / 1250

Workpiece: bearing (internal ring).

Machine typology.

External and internal grinding machine for high production needs, with swivelling wheelhead unit, by means of B axis, within the angular range included between $-5^{\circ} \div +180^{\circ}$.

Machining method.

The machine performs both external and internal grinding (two wheel-packs) in a single workpiece positioning.

The driving appliance for workpiece consists in a magnetic bearing plate; specially designed sliding supports bear the piece.

Workpiece automatic loading/ unloading is performed by means of a robot.



Height of centres mm 330

Max. external grinding diameter mm 650

Max. internal grinding diameter mm 360

Max. cantilever weight kg 400

Max. external wheel dimensions (diameter x thickness) mm 610 x 150

External wheel peripheral speed m/s 50

External wheel motor power kW 10,1

Internal wheel motor power kW 10

Max. stroke axes X / Z mm 500 / 1450