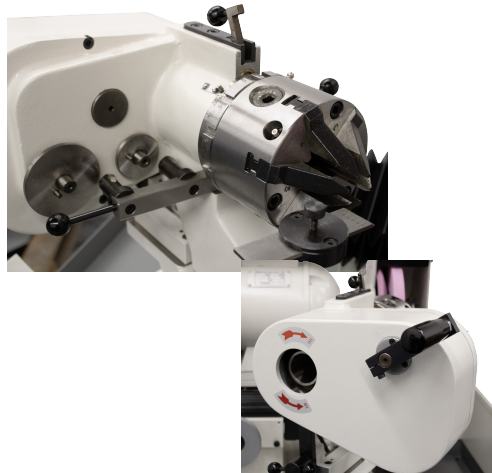


The ZB32 offers an easy way to achieve drill point accuracy. This machine grinds conventional and many specialized drill points. Set up in a few seconds.



OPTIONAL The radial relief attachment is especially designed for quick and accurate grinding of body reliefs of end mills as well as cutters and drills.



GRIND EXAMPLES



• Straight Flute and Spiral Flute Taps can be chamfer ground (3, B4, B5, B6, B7 and 8 Flute)



• Step Drill, made from ordinary twist drill, with radially reliably relieved pilot



• Point Grinding and Web Thinning with one time set up



• Multi-step Spade Drill, made from ground stock, with pre-machined faces and steps, all diameters with lands and relief ground



• Counter Sink and Counter Bore Drills (1, 3 Flute)



• Core Drills and Reamers can be chamfer ground



• Split Point self-centering and breaks up chips for deep hole drilling



• End Mill End Relief 2, B3, B4 and 6 Flutes End Mill with primary and secondary relief and gash grinding



• 2, B3, B4 Flute Counter Bore Drills



• Four-facet Point

Standard Accessories:

- 6 Jaw Self-Centering Chuck
- Grinding Wheel (recessed one side)
- "Dish" Grinding Wheel for Point Thinning
- Grinding Wheel Flange and Balancing Weights
- Two Grinding Wheel Diamond Dressers (one side dresser and one straight)
- No 1, 2, 3, 4 Morse Taper Sleeve
- Cam No.4 for Point Angle (40° -180°)
- Cam No.6 for Step Drill
- Cam No.8 for 4 Flute Taps or Reamers Core Drill
- A.C. Brake Motor for Safety & Fast Drills Interchange
- Service/Instruction Manual
- Work Light
- Stand

Optional Accessories:

- Flood Coolant System (Increases wheel life and prevents burning of drill)
- Diamond Wheels for Carbide Drills
- C.B.N. Wheels (one side chamfer) for Point Grinding & Point Splitting
- Wheel Balancer & Arbor
- Cam for Sheet Metal Point Drills
- Extra Grinding Wheel Flange for Cup Wheel
- Cup Grinding Wheel
- Cam for Left Hand Drills
- Cam for Sheet Metal Point Drills
- Radial Relief Attachment

ALSO AVAILABLE WITH MOTORISED HEAD

Model	ZB32
Drill Size	Ø3~Ø32mm
Point Angle	40°~180°
Clearance Angle	0°~18°
Work Head Tilting Angle	0°~20°
Brake Motor	0.38kW (0.5hp)
Grinding Wheels	Ø180 x 20 x Ø31.75mm
Dish Wheels	Ø165 x 21 x Ø31.75mm
X Stroke	150mm
Y Stroke	140mm
Net Weight	120kg
Dimensions	820 x 790 x 1370mm

Features:

- Optional air bearing has a hard chromed spindle for long life, standard 5C collets
- The tooth rest finger is easily adjustable by turning a knurled knob on either end of the tooth rest bracket
- Clearance angle collar marks angular setting easy swivels universally for radial relief sharpening
- Optional air bearing fixture is precision honed and capable of grinding to tight tolerances
- Tools sharpened on an air bearing fixture cut smoother, the spindle floats on friction finger sensitive control for sharpening end mills as small as 2mm. Sharpens all over-periphery, end teeth, notches, flute faces
- Air bearing fixture is easily mounted to ZB32a grinder
- Cutting tool capacity: Ø42mm shank, 250mm flute length

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.