



# Column Drilling Machines ZB3040x13



**SKU : 470558**

**TRIAL MACHINE**

**Without CE mark, only for export to countries outside the EU**

Out radial drill presses belong to the most variable and powerful solutions for drilling, reaming, and countersinking in steel or cast-iron. These models allow easy handling of very large and heavy workpieces. The long throat provides maximum flexibility for many production and construction applications.

- Infinitely variable spindle speed with digital display
- A cube table offers extra setup possibilities
- Robust construction for constant high accuracy
- Modern design for easy and comfortable operation

## TECHNICAL SPECS

### WORKING AREA

Drilling capacity	40 mm
Drilling capacity, cast iron	52 mm
Tapping capacity, cast-iron	M 32
Tapping capacity, steel	M 32
Drilling depth (max.)	260 mm
Throat	300 mm - 1300 mm
Spindle nose-to-table surface distance	300 mm - 1200 mm
Drill head travel (horizontal)	1000 mm

### HEADSTOCK

Speed range	54 1/min - 2150 1/min
Spindle mount	4 MT

### FEED

Feeds	0.1 mm/min - 0.63 mm/min
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### DRIVE CAPACITY

Motor rating main drive	2.2 kW
Stroke motor	1.1 kW

### MEASURES AND WEIGHTS

Overall dimensions (length x width x height)	2.07 m x 0.87 m x 2.57 m
Weight	2400 kg



*Speed is infinitely variable across 2 levels and shown on the display*



*The quill includes weight compensation and is easy to move*

## PRODUCT DETAILS

### Machine Frame

- Base, column, boom and gear head are made of premium high-quality cast
- A heavy, solid base plate with clamping slots is the foundation of this compact radial drill press
- A tube cable is included with the standard equipment and provides additional setup and clamping options
- Additional major design features include a large column and a highly torsion-resistant boom
- The boom height adjustment is driven by a powerful motor and low-maintenance oil-bath lubricated gears
- Thanks to the large column support bearing, the boom can be swiveled easily for zero backlash precise positioning
- The clamping system features maximum clamping force at minimum clamping offset

### Drill head

- The heavy drill head runs on wide, hardened rectangular guideways that can withstand very high loads
- The centrally located hand-wheel allows for exact drill head positioning and gives the user full control over the boom's swiveling movement
- The boom can be moved vertically, while column and head remain clamped and fixed in their positions
- A clamping lever at the drill head allows the operator to preselect, if the boom should be released for swiveling, whereby axes will be simultaneously fixed in the requested position above the drill head clamping lever
- The gears for spindle speed and feed are hardened and precision-ground pinion gears that ensure consistent and quiet operation
- For high speeds, the infinitely variable spindle speed features two gear steps
- The feed gears have 4 gear steps for handling a wide spectrum of machining applications
- Adjustable boring depth stop has a large, easy to read scale and Nonius
- All operator controls are placed within reach for convenient and practical handling and quick learning

### Accessories

- Powerful coolant system with coolant reservoir integrated into the machine foot
- The rugged LED work light with splash guard is bright, energy-efficient, and glare-free
- Manual central lubrication system simplifies maintenance

### Sample product

- Only for markets outside the EU. Fully tested and fully functional machine, no warranty, but includes a 6-month warranty on replacement parts (wear parts excluded)
- If you have questions regarding a product or sales limitations, please contact our sales experts

### Standard Equipment

- Cube table
- Manual central lubrication
- LED work lights
- Coolant system



## KNUTH on YouTube Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**