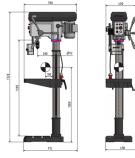


# Industrial Column Drilling Machine

This drilling machine is equipped with a smooth, powerful industrial electric motor and a rugged cast column. The precision-machined drilling table includes diagonal T-slots and a cooling water channel.

**Specification**



OPTIMUM TOPTECH	
Model	Unit
Model	B 28H
Max. Drilling Capacity (Steel)	28 mm
Continuous Drilling (Steel)	24 mm
Sleeve Travel	105 mm
Spindle Speed Range	120 - 4000 rpm
Number of Speed Steps	16
Spindle Concentricity	< 0.015 mm
Spindle Holding Fixture	MT3
Table Size (mm)	400 x 400
Table Weight (kg)	15
Machine Weight (kg)	120
Machine Height (mm)	1050
Machine Depth (mm)	400
Machine Width (mm)	400
Machine Length (mm)	400
Machine Volume (mm³)	64,000,000
Machine Surface Area (mm²)	160,000
Machine Perimeter (mm)	1600
Machine Mass (kg)	120
Machine Density (kg/m³)	1875
Machine Specific Gravity	1.875
Machine Specific Heat Capacity (J/kg·K)	460
Machine Thermal Conductivity (W/m·K)	16
Machine Thermal Expansion Coefficient (1/K)	11.7
Machine Poisson's Ratio	0.3
Machine Young's Modulus (GPa)	210
Machine Tensile Strength (MPa)	420
Machine Yield Strength (MPa)	235
Machine Elongation at Break (%)	16
Machine Reduction of Area (%)	40
Machine Impact Strength (J/m²)	27
Machine Hardness (HV)	120
Machine Brinell Hardness (HB)	100
Machine Rockwell C Hardness (HRC)	23
Machine Rockwell B Hardness (HRB)	100
Machine Brinell Hardness (HBS)	100
Machine Rockwell C Hardness (HRC)	23
Machine Rockwell B Hardness (HRB)	100
Machine Brinell Hardness (HBS)	100
Machine Rockwell C Hardness (HRC)	23
Machine Rockwell B Hardness (HRB)	100
Machine Brinell Hardness (HBS)	100
Machine Rockwell C Hardness (HRC)	23
Machine Rockwell B Hardness (HRB)	100
Machine Brinell Hardness (HBS)	100

## ADDITIONAL IMAGES



## Overview

### High-Precision Industrial Column Drilling Machine

This industrial column drilling machine is designed for precision metalworking, offering a robust construction suitable for both drilling and milling operations. It features a high-torque electric motor and a precision-machined table with diagonal T-slots for secure workpiece positioning. With a guaranteed spindle sleeve concentricity of better than 0.015 mm, it ensures accuracy for demanding workshop and manufacturing environments.

## Performance Metrics

### Drilling Performance

**28 mm**

Max Drilling Capacity (Steel)

**24 mm**

Continuous Drilling (Steel)

**105 mm**

Sleeve Travel

## Spindle & Speed

Spindle Holding Fixture	MT3
Spindle Speed Range	120 - 4000 rpm
Number of Speed Steps	16
Spindle Concentricity	< 0.015 mm

## Work Surfaces

### Drilling Table Details

Feature	Specification
Table Size (LxW)	340 x 360 mm
T-slot Size	14 mm
Max Spindle-to-Table Distance	860 mm
Base Working Surface	320 x 320 mm

## Safety & Features

### Safety Equipment

- Emergency stop switch
- V-belt cover with safety switch
- Height adjustable protective guard
- Drilling depth stop

### Mechanical Features

Rugged Cast Column, V-belt Quick Tensioning, Coolant Channel, Swiveling Drilling Table, Ribbed Base

## Electrical Data

Electrical Connection	400 V / 3 Ph / 50 Hz
Total Connection Power	850 W

## Physical Dimensions

Machine Dimensions	715 x 450 x 1720 mm
Net Weight	142 kg