

## Product Brochure For D594V

# Heavy-Duty Bench Drill - Belt Drive - BD-360

Table Tilts Left & Right To 45° & Rotates 360°  
Ø20mm Drill Capacity with 2MT Spindle Taper



ORDER CODE:	D594
MODEL:	BD-360
Type - Bench / Pedestal:	Bench
Duty Type:	Heavy-Duty
Drilling Diameter Capacity (mm):	Ø20
Spindle Taper (MT):	2
Spindle Travel (mm):	85
Throat Depth (mm):	180
Quill Diameter (mm):	47
Collar Diameter (mm):	55
Column Diameter (mm):	72
Spindle To Table (mm):	410
Spindle To Base (mm):	600
Table Shape:	Square
Table Size (mm):	290
Work Light:	Yes
Micro Switch On Pulley Guard:	Yes
Drive Belt Type:	A Section
Spindle Speed Steps (No.):	12
Spindle Speed Range (rpm):	280 - 2380
Motor Power (kW / hp):	0.75 / 1
Voltage / Amperage (V / amp):	240 / 10
Overall Height (mm):	1000
Nett Weight (kg):	55

## Description

The BD-360 bench drill, heavy duty rated compared to its little brother BD-325 and consequently has a few more user-friendly features. The larger drill head has a work light fitted underneath to shine directly onto your job, the quill diameter is approximately 20% larger to increase accuracy & the square table offers more surface area to work on, and additionally allows T-nuts & clamps to be used on this design. This drilling machine is Ø20mm rated & beneficial for anyone requiring to drill consistent accurate holes and is commonly suited for any home workshop or farm use.

Mostly constructed from cast iron and machined steel to provide superior stability and strength. Powered by a 0.75kW, 1hp, 240-volt induction motor and coupled to a 12-belt speed pulley system offering wide range of speeds between 280-2380rpm. The down feed handle is also made from cast iron in one solid piece design and fitted with soft hand grips for your comfort & convenient drilling depth feed control.

The drill quill is equipped with a 2 morse taper spindle allowing you to fit 2MT drill bits directly to the spindle or 1MT drill bits with an optional adaptor. A quality Ø3-Ø16mm keyed drill chuck with 2MT arbor is included & fitted. The drill table can tilt left or right, rotate 360 degrees and the height is also easily adjusted up or down via rack & pinion hand lever & can be locked into position. Furthermore, the whole table assembly can be swivelled away to allow the machined base to be used as a work support.

The magnetic safety switch with emergency stop is conveniently front mounted for quick access. The drill also includes an adjustable safety drill chuck guard and the belt cover is equipped with a safety switch to ensure safe belt speed changing.

## Features

- Ideal for home, workshop or farm use
- Quiet V-belt drive system
- Quick action belt tensioning lever
- Drill chuck key holder mounted on right side of the machine
- Adjustable safety drilling chuck guard with flip up screen
- One piece cast iron drilling lever with comfort grips
- Safety micro switch on pulley guard
- Safety magnetic-type switch
- Rack & pinion table height adjustment with locking lever
- Table tilts left & right to 45° & rotates 360°
- Drilling depth stop
- Work light mounted underneath drill head to provide direct light onto work piece
- Slotted work table
- 12 Spindle speeds - 280, 420, 440, 550, 620, 660, 1150, 1180, 1400, 1550, 1830, 2380rpm
- Fan-cooled, copper wound 240V motor

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**Includes**

- 16mm keyed drill chuck and arbor
- Chuck key to suit
- Drill drift tool to remove drill chuck or taper shank drills

**Optional Accessories**

- Replacement 16mm Drill Chuck (C290)
- Replacement 2MT x JT3 Arbour (D442A)

**Specific Features**



Left View



Magnetic Switch



Emergency Stop Switch and Light Switch



Work Light



Adjustable Safety Chuck Guard with Flip Up Screen



Safety Chuck Guard Flipped Up



1 Piece Cast Iron Drilling Lever



80mm Spindle Travel



Drilling Depth Stop Setting With Scale



Safety Micro Switch on Pulley Guard



Head Side View



A Section Belt Drive System

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Chuck Key Holder



Belt Tension Lever and Lock



Speed Chart

A speed chart sticker with a table of recommended RPM values for different materials and drill sizes.

Speed Chart (RPM) and Recommendations						
Imp.	Metric	5/Wood	H/Wood	Brass	Alum	Steel
1/16 - 3/16	1.5 - 4.8	3000	3000	3000	3000	3000
1/4 - 3/8	6.0 - 10.0	3000	1500	1200	2500	1000
7/16 - 5/8	11.0 - 16.0	1500	750	750	1500	600
11/16 - 1	22.0 - 25.0	750	500	400	1000	350
1 1/8 - 1 1/4	28.5 - 32.0	750	250	400	700	250

Recommended Speed for Drill Size and Material



Tilting and Rotating Cast Iron Table



Work Table



Table Height Adjustment Crank



Base



Drill Drift

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**Recommended Accessories**

**W3425**  
Drill Press Roller Support



**P220**  
Gravity Feed Coolant System



**S090A**  
Soluble Metal Cutting Fluid - 1  
Litre



**C086**  
Clamp Kit Tee Nuts



**L300**  
Magnetic Swarf Remover



**M9991**  
Magnetic Floor Sweeper



**D1272**  
Metric 135° Precision HSS Drill  
Set - 25 Piece



**D1282**  
Imperial 135° Precision HSS  
Drill Set - 29 Piece



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D126

Metric 135° Precision HSS Drill Set - 170 Pieces



D1171

Metric Industrial HSS Reduced Shank Drill Set



D1181

Imperial Industrial HSS Reduced Shank Drill Set



D117

Metric HSS Reduced Shank Drill Set



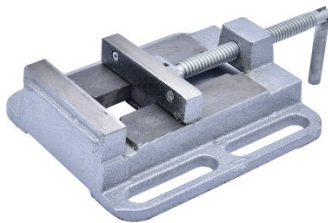
P090

Pipe & Tube Notcher Attachment



V124

Drill Press Vice



V144

Drill Press Vice



V145

Drill Press Vice



V141

Safeway Precision Drill Press Vice



V114

Tilting Drill Press Vice



V1204

Compound Drill Vice



V1205

Compound Drill Vice



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**C292**  
Industrial Drill Chuck - Keyless Type

**C294**  
Industrial Drill Chuck - Keyless Type

**D442**  
2MT x JT6 Drill Chuck Arbor

**D442A**  
2MT x JT3 Drill Chuck Arbor



**O043**  
Rust & Corrosion Preventive

**O042**  
General Purpose Lubricant & Corrosion Inhibitor

**O044**  
Rust & Corrosion Preventive

**M800**  
Rubber Mat - Anti-Fatigue



**M805**  
Rubber Mat - Anti-Fatigue

