

JET JDP-17DX 17" Floor Drill Press

The JET JDP-17DX Drill Press was designed specifically with the wood worker in mind. It provides the high-end features and durability you need in the shop at a budget-saving price. JET's legendary innovation and durability mean the JET JDP-17DX Drill Press will serve your needs with precision for many years to come.

Construction



Even the base is heavy cast iron for stability. It has pre-formed holes and bosses for securing it to the floor.

The JET JDP-17DX Drill Press powerhead is built around a tough iron casting that has been precision machined and fitted with quality components. Even the 12-1/2" by 19-5/8" base is made from heavy-duty cast iron for stability and durability. The base is machined flat and features standard slots for attaching clamps, vises and tools. Holes surrounded by bosses are cast into the base for securing it to a suitable floor.



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The 3-1/8" column is made from high quality steel for maximum strength and precisely ground to insure concentricity. That allows the worktable to move smoothly throughout its range of motion.

Power and Drive

The JET JDP-17DX Drill Press comes with a powerful 3/4HP, 115V (only) TEFC (totally enclosed fan cooled) motor. It is important to note that all JET motors are rated using a continuous duty cycle rather than the "peak" or "max developed" figures so many others still use. A continuous duty cycle accurately depicts the amount of power available during use, not just in spikes or short bursts.

The motor is mounted at the rear of the powerhead and incorporates an easy to use, tool free belt tensioning system. This system makes changing spindle speeds fast and easy. An industrial style push button switch set is mounted on the front of the head where it is within easy reach.



The powerful 3/4HP motor is mounted on an easy to use belt tensioning system. The locks and tensioning handle are easily accessible.

Power from the motor is delivered through a Poly-V belt running on high-precision multi-groove pulleys. The Poly-V belt is known for smooth, slip-free operation as well as very low heat generation. We also use a Poly-V belt to transfer power between the spindle and idler pulleys.

Spindle Speeds



The multi-step pulleys (left) generate the wide speed range. Note the chart on the cover that clearly shows the configurations and speeds. Power is transmitted through a Poly-V belt (right) and precision pulleys for smooth, slip-free operation.



The JET JDP-17DX Drill Press has 16 spindle speeds from 230 RPM to 3,630 RPM! This extensive range of spindle speeds is more often found on high priced machines but gives the JET JDP-17DX Drill Press

maximum compatibility with drill bits and materials.

This large range of speeds is generated by a set of three stepped pulleys, each with four positions. Moving the Poly-V belt among the positions in various combinations produces the various speeds. A flip-open top provides complete access to the pulleys. A large label within the cover has graphics showing all 16 spindle speeds and the belt positions that generate each of them.

Powerhead Features

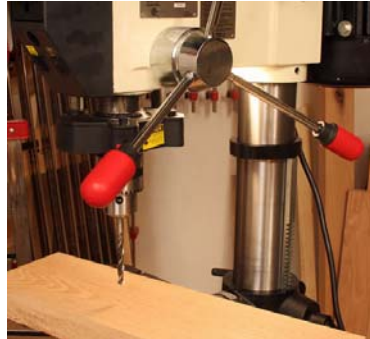
At the heart of any drill press is the spindle. The JET JDP-17DX Drill Press is equipped with a massive, 2"-diameter spindle that offers exceptional stability. The spindle has a full 4 3/8" of travel to handle deep drilling operations with ease. Swing capacity at the spindle is 16-1/2"! A tool free depth stop functions anywhere in the spindle travel to make repetitive drilling jobs easy and very accurate. This system allows stopping the spindle at any height or holding it at any depth. The spindle runs in high-quality, permanently lubricated ball bearings to insure smooth running and a long life.



The large diameter downfeed handle (left) make operating easy. The handles can be mounted in a second hub on the left side of the powerhead (right) just behind the easy-to-use depth stop system



The high-quality, 5/8" capacity chuck (left) is standard equipment! The recessed work light (right) illuminates the table without getting in the way of large work pieces.



The spindle is operated with a large diameter, three spoke downfeed hub. Each downfeed handle has a comfortable, slip-limiting rubber grip. To accommodate left-handed users or to ease operation with odd-shaped jobs, the downfeed handles can be quickly installed in identical hubs on the left or right of the powerhead!

The JET JDP-17DX Drill Press spindle has a #2 Morse taper that accepts the included arbor and 5/8"-capacity chuck and chuck key. This is a very common taper size that will accept many drill press accessories. A release key (drift key) for removing tooling from the Morse taper is included.

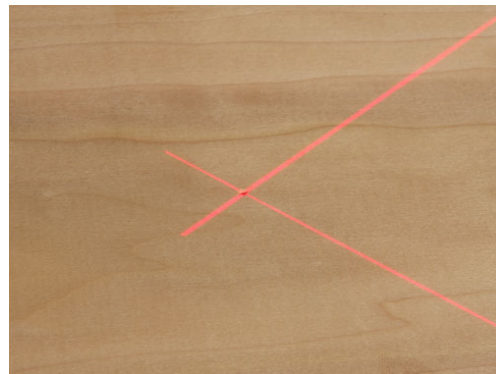
A recessed socket under the powerhead accepts a standard (60W max) light bulb. The bulb is recessed within the lower portion of the powerhead so can illuminate the work area yet not get in the way of large work pieces. The work light has its own switch on the front of the powerhead so it can be turned on or off when needed.

Laser Crosshair

The JET JDP-17DX Drill Press features a laser crosshair system that makes hitting ultra-precise drilling locations simple. This laser system is AC powered through the on-board 115V wiring and has its own switch so it can be turned on only when needed.

The individual laser emitters are positioned so that they are easy to reach should alignment be required. The instruction manual describes the simple to follow alignment procedure fully.

This highly visible laser crosshair makes setting up to drill one or a hundred holes fast and very accurate. For repetitive jobs you can turn the lasers on to set up a fixture and then turn them off to drill the pieces.



The laser crosshair has its own On/Off switch, is fully adjustable and makes hitting precise layout points very easy.

Innovative Table



The generous cast iron table (left) has a replaceable center and X-shaped grooves that make securing work pieces easy. The flat edges of the table (right) make using common clamps to secure work pieces fast and secure.

The JET JDP-17DX Drill Press has an oversized 18-1/2"-wide by 14-1/2"-deep cast iron table. The table has a special flat contour along the edges that makes clamping work pieces to it easy and safe. The table surface has X-shaped slots that make clamping odd-

shaped work pieces securely safe and easy. The center of the table has a replaceable 2-11/16"-square (3/16"-thick) insert. This sacrificial insert makes drilling splinter-free through holes much easier. The insert can be removed entirely for using through-the-table devices like small-diameter sanding sleeves.

The JET JDP-17DX Drill Press table also has a pair of slots (front to back) that are shaped to accept common T-bolts. These slots make it easy for you to build and secure specialty jigs or fixtures to expand your capabilities.

The JET JDP-17DX Drill Press table tilts to 45-degrees left or right and can be locked at any angle. A special locking pin insures that the table has been returned to flat, or 90-degrees to the spindle. The table can also be swung around the support column for offset drilling or to clear the way for long pieces that are clamped at the base.

The table moves up and down with a rugged rack and pinion gear system, operated by a large handle at the column. An effective locking handle secures the table at any height an easy one-handed job. The movement range of the table gives the JET JDP-17DX Drill Press a maximum spindle-to-table range of 0" to 29-1/8". Move the table out of the way and the spindle to base capacity is 49"!



The dual grooves in the table accept common T-bolts for securing your jigs and fixtures.

The JET JDP-17DX Drill Press is loaded with user-friendly features, shop-friendly capacities and long-term durability. The JET JDP-17DX Drill Press also represents the budget-friendly value you expect from JET.