

JET JWBS-16B 16" Band Saw

The JET JWBS-16B 16" Band Saw was designed to bring our super rigid triangular frame technology and a large capacity to the mid-size band saw market. With a full 16" throat capacity and a built-in 10" resaw capacity, the JET JWBS-16B 16" Band Saw easily handles your wood shop projects right out of the box!

Frame and Cabinets

The JET JWBS-16B 16" Band Saw is built around our super-rigid triangular column technology that reduces rotational deflections by an amazing 65% over the common box type construction.



Our unique triangular steel column (left) eliminates 65% of rotational deflections as compared to the common box construction. Even our cabinet doors (right) have been given a gentle curve that makes them more rigid and more attractive.



triangular column. This heavy-duty cabinet construction provides an exceptionally stable platform for the blade wheel mounts, tensioning and drive systems.

The all-steel cabinet doors have a curved face that increases their rigidity as well as their appearance. The doors also have a foam strip at the front edge that along with the rotating cam lock knob keeps the doors firmly closed and rattle-free during operation.

The lower cabinet has a dust brush mounted against the wheel to help prevent buildup on that tire. We located the brush directly in front of the large dust port so that the material swept from the wheel is evacuated from the cabinet. On the outside of the cabinet is a 4"-diameter port that makes connecting a standard dust collector hose easy and adapter free.



A dust brush on the lower wheel (left) helps prevent build up. Directly behind the brush is a 4"-diameter dust port (right) that makes attaching standard dust collector hoses adapter free.



The JET JWBS-16B I packed with industry-leading features and quality.

Unlike the traditional two-piece cast iron frames, this one piece triangular steel column runs the full height of the JET JWBS-16B 16" Band Saw. That substantially increases its ability to resist the forces of blade tension.

The upper and lower cabinets are made from heavy gauge steel that is precisely formed and then fully welded to the

We recommend using a dust collector with a minimum 400CFM (cubic feet per minute) capacity to make full use of the JET JWBS-16B 16" Band Saw dust system.

The JET JWBS-16B 16" Band Saw stands on a heavy-duty 27"-wide by 21-1/2"-deep base that keeps it exceptionally stable during use. The base has pre-drilled holes in each corner that make it easy to secure the JET JWBS-16B 16" Band Saw to the floor.

Motor



The strong-running motor and its belt tensioning mount (left) are on the outside of the lower cabinet where they are always easy to access. The industrial switch set (right) is mounted on the column where it is within easy reach of the operator.

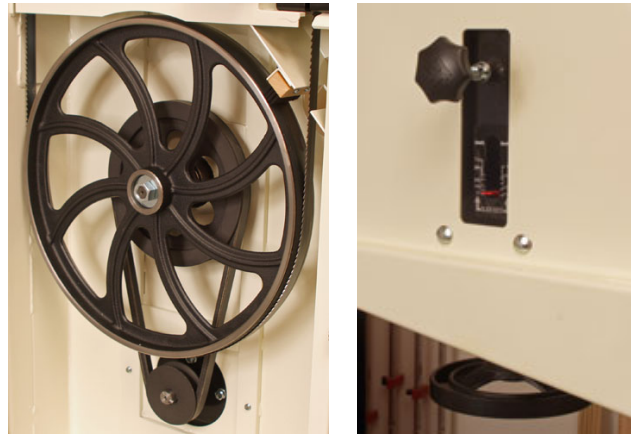
The JET JWBS-16B 16" Band Saw is powered by a strong running JET 1-1/2HP, 115/230V (prewired 115V), TEFC (totally enclosed, fan cooled) motor. JET motors are rated using a continuous duty cycle to provide the most accurate representation of the power delivered during use. This is a far more precise way of rating motor power than the "peak" or "max developed" ratings some other manufacturers still use.

Motor power is transmitted to the lower wheel through a V-belt and pulley system that generates the 3000 SFPM (surface feet per minute) blade speed. That blade speed works very well with most blade widths, tooth designs and material thicknesses. The motor and the belt tension mechanism are located outside of the lower cabinet where access is easy.

An industrial-style pushbutton switch set controls the motor. The switch is mounted on the column where it is within easy reach of the operator.

Wheels and Tension

The JET JWBS-16B 16" Band Saw features cast iron, 16 5/8"-diameter, 8-spoke wheels. These wheels are precision machined and computer balanced so their weight adds a flywheel effect to smooth the cutting action without inducing vibration. Each wheel is fitted with a high-quality tire that helps keep the blade tracking straight and running smoothly.



All cast iron 8-spoke wheels (left) are precisely machined and computer balanced so they run true and vibrations free. Blade tension is adjusted using the cast iron handwheel (right) under the top cabinet. The tension scale has graduations for all common blade widths.

Both wheels run on high-quality, large diameter ball bearings that insure smooth operation over the long haul. The upper wheel is on a simple tracking mount that is controlled by a single knob that makes centering all compatible blade widths fast and easy. The JET JWBS-16B 16" Band Saw is designed to use blades between 1/8" to 1 1/2" wide!



The upper and lower guide assemblies (left) are rugged and their adjustment tool free. Both assemblies use the popular European style carbide wheels (right) on either side of the blade.

Blade tension is applied using a simple but effective screw-based system. A large cast iron handwheel under the top cabinet, accessible from the front or rear turns the adjusting shaft. An easy-to-read scale with an adjustable pointer is mounted on the rear of the upper cabinet. The scale has graduations for all common blade widths.

Blade Guides

The upper and lower blade guide assemblies feature European style wheels to control side-to-side play of the blade. These guide wheels are made from carbide to insure a long life. At the rear of the blade (upper and lower guide assemblies) ball bearings are used to control thrust forces.

All of the blade guides are micro adjustable and tool free. They are designed to provide exacting control without increasing friction that could accelerate blade wear. Both guide assemblies are designed to accommodate the full 1/8" to 1-1/2" blade widths that the JET JWBS-16B 16" Band Saw is designed to use. We include a 3/4", 6 TPI (teeth per inch) blade so you can start working right out of the box!

Upper Guide Post

The upper guide post is exceptionally rigid to provide solid support throughout its 11-inch travel for consistent accuracy. The JET JWBS-16B 16" Band Saw post is raised and lowered using a rack and pinion system that makes this an effortless, highly precise adjustment. A large cast iron handwheel on the front of the upper cabinet operates the rack and pinion drive. A knob on the rear of the cabinet locks the upper post at any height. We added an easy-to-read scale with an adjustable pointer on the front of the upper cabinet that makes presetting the upper guide height fast and easy.



The upper guide post is operated by a rack and pinion drive that makes setting it simple and fast.

The guide post uses a one-piece blade guard. This guard runs the full length of the post to help keep you safe regardless of the cut height.

Spacious Table



The tough cast iron table has a full-sized miter slot and tilts to 45-degrees right and up to 10-degrees left.

The large 17" x 17" cast iron table provides plenty of support for the big jobs. The table tilts up to 45-degrees to the right and up to 10-degrees to the left. A pair of locking knobs beneath the table secures it at any angle. A scale on the operator's side table trunnion lets you set specific angles quickly.

The table has a full-sized $\frac{3}{4}$ "-wide by $\frac{3}{8}$ "-deep miter slot that will accept most common miter gauges as well as provide a handy guide for your shop-made jigs and fixtures.

Accessories

We offer a group of specially designed accessories for the JET JWBS-16B 16" Band Saw that let you enhance its performance according to your needs.

A full roller bearing guide set (#708746) replaces the standard upper and lower guides. A rip fence kit (#708747) mounts into predrilled and tapped holes in the table to enhance straight line cutting. We also offer a miter gauge (#708748) that is designed to fit the JET JWBS-16B 16" Band Saw miter slot.

The JET JWBS-16B 16" Band Saw has been designed to bring the legendary JET durability in an innovative, high capacity, high accuracy and value-laden package. If you want to add full-on band saw capability to your shop, check out the JET JWBS-16B 16" Band Saw!