

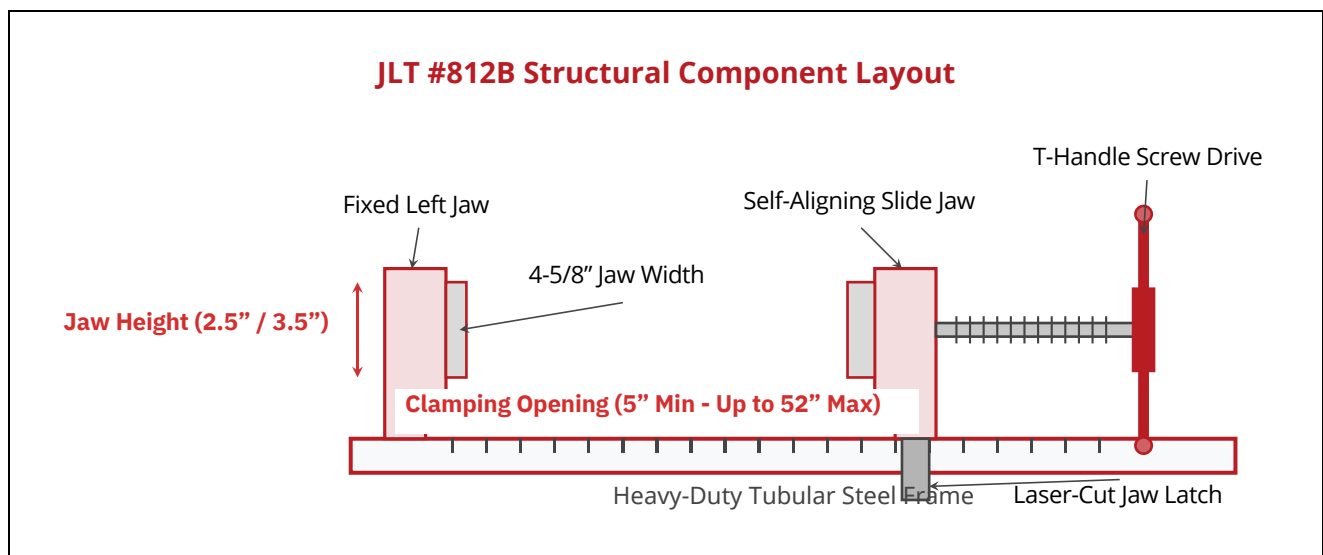
JLT #812B CLAMP DESIGN

HEAVY-DUTY CLAMPING • PRECISION PRESSURE • MODULAR CLAMP SYSTEM



The JLT #812B Clamp Design is a robust and precision-engineered clamping solution built for demanding woodworking applications. Designed for seamless compatibility with JLT clamp racks and carrier systems, this clamp delivers consistent pressure, superior durability, and flexible configuration options. Featuring a heavy-duty tubular steel frame, self-aligning components, and a quick-acting T-handle tightening system, the JLT #812B ensures reliable performance and optimal glue line results across a wide range of panel and assembly applications.

EQUIPMENT DESIGN & SCHEMATIC BLUEPRINT





SYSTEM CAPACITIES & TECHNICAL SPECIFICATIONS

Specification Parameter	JLT #812B Standard & Configurable Capabilities
Model Number	#812B Clamping System
Clamping Capacity Options	Available in industry-standard 40" and 52" widths
Clamp Jaw Width	4-5/8" precision-milled jaw pad surface area
Clamp Jaw Heights	2.5" and 3.5" standard profiles (optional extensions up to 6" with adapters)
Minimum Clamp Opening	5" minimum material loading boundary
Frame Construction	Structural tubular steel profile with high-rigidity index
Tightening System	Smooth-turning, continuous torque T-Handle screw assembly
Max Clamping Force	Engineered to deliver up to approximately 3,000 lbs of pressure

PRIMARY APPLICATIONS

- **High-Volume Production:** High-capacity panel glue-ups for commercial cabinet, entry door, and furniture manufacturing.
- **System Integration:** Seamlessly docks into JLT clamp racks, vertical clamp carrier structures, and rotating assembly tables.
- **Solid Wood Assembly:** Ensures flat panels and secure edge laminations across high-stress hardwood glue-ups.
- **Custom Workshop Versatility:** Provides precision force adjustment for both custom architectural millwork and repeating lines.

WHY CHOOSE THE JLT #812B

- **Consistent Glue Joints:** Prevents panel bowing and joint starvation by applying perfectly centered perpendicular force.
- **Modular Scalability:** Adaptable jaw heights and lengths allow your assembly system to expand as production loads grow.
- **Extreme Rigidity:** The engineered tubular profile reduces twist and lateral deflection significantly compared to standard clamps.
- **Long-Term Investment:** Manufactured to premium standards using industrial-grade components for years of uninterrupted service.

PERFORMANCE & CONSTRUCTION FEATURES

- T-Handle Screw System** Delivers precise, controlled, and extremely high clamping pressure with smooth, ergonomic manual rotation.
- Tubular Steel Frame** Offers superior structural rigidity and deflection resistance under intense workloads compared to standard flexible bar or C-channel designs.
- Welded Drawbar Assembly** Features a robust, one-piece welded screw and drawbar design built to withstand extreme repetitive torque cycle-after-cycle.
- Laser-Cut Jaw Latch** Features a rugged, paddle-style jaw latch that securely interlocks with the precision-cut serrations on the drawbar for quick, slip-free repositioning.
- Self-Aligning Clamping** Intuitively squares up to the stock surface to apply uniform force across panels, guaranteeing flat panels and flawless joint lines.
- Mounting Plate System** Out-of-the-box compatibility with existing JLT clamping systems for instant rack integration and an immediate workflow boost.
- Flexible Jaw Configurations** Interchangeable jaw heights (up to 6") let operators adjust the depth-of-clamp to prevent surface marring on delicate materials.

For quotes, custom sizing requests, or integration consultation, contact your regional dealer or visit our central equipment portal.