



# CLAMPS & CLAMPING COMPONENTS



Our standard parts selection encompasses a diverse range of clamping elements tailored for precision and versatility in various industrial applications. The product categories include:

## **Nuts for T-Slots**

- **Slot Nuts:** Designed to fit securely within T-slot systems, these nuts provide a robust foundation for various clamping and fastening needs, ensuring a reliable connection in modular setups.

## **Clamping Screws**

- **Screws for T-Slots:** Engineered for use in T-slot systems, these screws offer enhanced stability and ease of adjustment.
- **Studs:** Used in conjunction with nuts, these studs provide additional support and flexibility in clamping configurations.

## **Spherical and Plain Washers**

- **Spherical Washers:** Facilitate the alignment and distribution of load with precision, accommodating angular misalignment and ensuring optimal contact surfaces.
- **Conical Seats:** Provide stable and secure seating for bolts and nuts, enhancing the overall clamping force.
- **Plain Washers:** Standard washers used to distribute load and prevent damage to the surfaces being clamped.

## **Clamping Nuts**

- **Fixture Nuts:** Essential for securing fixtures and components, these nuts are designed for ease of use and strong, reliable clamping.
- **Extension Nuts:** Allow for extended reach and adjustment in various clamping scenarios.

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### **Precision Slot Nuts**

- **Drive Blocks:** Key components for transmitting torque and motion within slot systems.
- **Fixed and Loose Slot Tenons:** Offer precision alignment and adjustment within slot-based fixtures.
- **Centering Pins:** Used to ensure accurate positioning and alignment of components.
- **Low Slot Tenons:** Designed for applications requiring shallow engagement within slots.

### **Positioning Clamping Elements**

- **Positioning Pins:** Provide accurate location and alignment in assembly processes.
- **Manual Handles:** Facilitate manual adjustment and positioning.
- **Bushings and Locating Bushings:** Ensure precise alignment and support for moving parts.

### **Positioning Bushings**

- **Drill Bushings:** Guide and support drill bits for accurate drilling operations, enhancing the precision of holes and slots.

### **Clamps**

- **DIN-Compliant Clamps:** Meet international standards for performance and safety in clamping applications.
- **Factory Standard Clamps:** Designed according to specific manufacturing standards for consistent quality and performance.
- **Supporting Elements:** Include various components that provide additional support and stabilization in clamping systems.

### **Straight and Horizontal Clamps**

- **Straight Clamps:** Include slotted designs for direct clamping applications.
- **Horizontal Clamping Elements:** Encompass down-hold clamps, holding plates, sub-part clamps, push-pull clamps, and clamping vices, providing comprehensive solutions for clamping and positioning.
- **Push/ Pull Clamps:** Incorporate adjustable clamping force for dynamic applications, including models such as “actima” for versatile use.

### **Supporting Elements**

- **Bedding Supports:** Provide stable support for components during clamping and machining processes.
- **Supporting Elements:** Enhance the stability and effectiveness of clamping systems.

### **Floating and Eccentric Clamps**

- **Floating Clamps:** Allow for flexibility and movement in clamping applications, accommodating variations in component positioning.
- **Eccentric Clamping Elements:** Include eccentric clamping clamps, washers, levers, and modules, designed for specialized clamping needs and adjustments.



### **Down-Thrust Clamps**

- **Down-Thrust Clamps:** Various designs available for handling vertical loads and adjustments, including positioning rings and height-adjusting cylinders.

### **Compact and Centering Clamps**

- **Compact Clamps:** Provide space-efficient solutions for clamping, minimizing footprint while maximizing clamping force.
- **Centering Clamping Elements:** Include centering clamping mandrels for precise alignment and positioning in assembly and manufacturing.

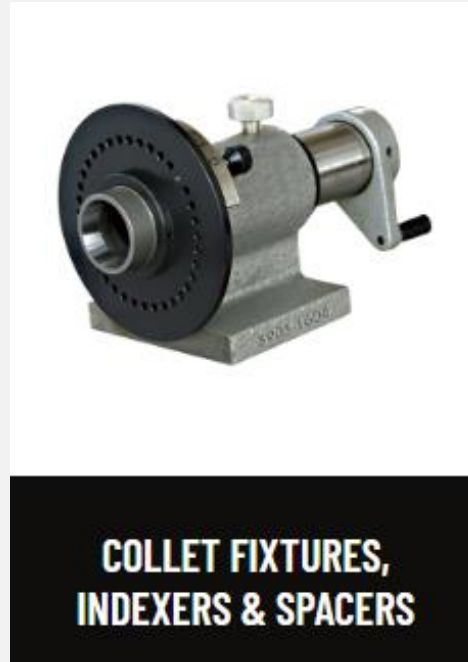
### **Shaft Clamps**

- **Shaft Clamps:** Designed for secure and adjustable clamping of shafts in various applications.

### **Clamping Plates**

- **Screw Jacks:** Allow for adjustable clamping pressure, providing flexibility and control in clamping operations.

Our standard parts are available for immediate delivery, and we offer CAD data in multiple formats to facilitate integration into your designs. For specialized applications, our team is equipped to engineer and manufacture custom solutions tailored to your specific requirements, ensuring optimal performance and functionality.





**DIE MOLD COMPONENTS**



**FIXTURE PLATES & COLUMNS**



**LATHE CHUCKS, CENTERS,  
RESTS & ACCESSORIES**



**LOCATIONING &  
POSITIONING COMPONENTS**



**MAGNETS**



**SINE & TOOLMAKERS VISES**



**WISE ACCESSORIES**



**WISES**