



Retractable Work Driver (RWD) Chuck

The RWD chuck allows on continuous turning operation. Its jaws are designed to extend and retract **during** the turning operation. Chuck jaws are extended to clamp the shaft. As the turning tool approaches the end of the workpiece, the chuck jaws retract, driving the shaft with (3) replaceable carbide drive pins or drive blades. The result is one, non-interrupted and continuous turning operation.

This unique design feature is a major advantage over conventional chucking which requires two operations and / or two machines to maintain shaft turning production.

YOUR TURNING OPERATION COST IS CUT IN HALF!

- **Total turning without interruption:**

N.A. Woodworth retractable jaw work driver chucks allow machining of workpieces between centers over the entire length, eliminating unnecessary part handling

- **Improved concentricity and end location:**

Drive centers provide true between centers machining for greater accuracy, eliminating part turnaround.

- **Positive end driving:**

Chucks utilize a self-contained equalizing drive pin mechanism. Each pin adjusts to the end of the workpiece, even if there is a slight out-of-squareness from part to part, ensuring evenly distributed driving force.

- **Pre-loaded center:**

Chucks are provided with a long, guided spring-loaded center to accommodate locating center tolerance variation.



Wide Variety of Applications

- Camshafts
 - Drive Shafts
 - Crankshafts
 - Motor Shafts
 - Transmission Shafts
 - Axle Shafts
- Up to 32,000 pounds of freely compensating chucking pressure
 - Total turning without interruption
 - Improved concentricity and end location
 - Accuracies of .001" T.I.R.
 - Speeds up to 4000 RPM
 - Minimal centrifugal force loss
 - Positive end driving
 - Pre-loaded center
 - Standard sizes of 8", 10", 12", 15" and 18"