

## PULL BACK CHUCKS



### Advantages, & Applications of Pull Back Chucks

- Rocker Chucks (pictured): 1 piece master jaw/cam lever, pivot on a lever pin. OD Grip only.
- Draw-down Chucks (See page 3): The master jaws slide in the chuck body to draw-down. ID or OD Grip.
- Both chucks provide pull back to a positive stop or locating plate.
- Prevents part lifting, even when gripping parts with draft angles.
- Typically used in 1<sup>st</sup> or 2<sup>nd</sup> turning operations.
- Best suited for machining parts with close squareness and parallelism tolerances.
- Additional safety when machining castings or forgings versus standard jaw chuck.

# ROCKER CHUCKS

## Applications:

- Counterbalanced to reduce centrifugal jaw force losses
- Ideal for thin wall parts where better control of grip force is desired
- Standard models from 8-12". Larger models can be offered
- Tapped holes for mounting a part stop or tooling plate assembly
- External Safety Ring to prevent damage or injury in the event of a crash or broken internal component

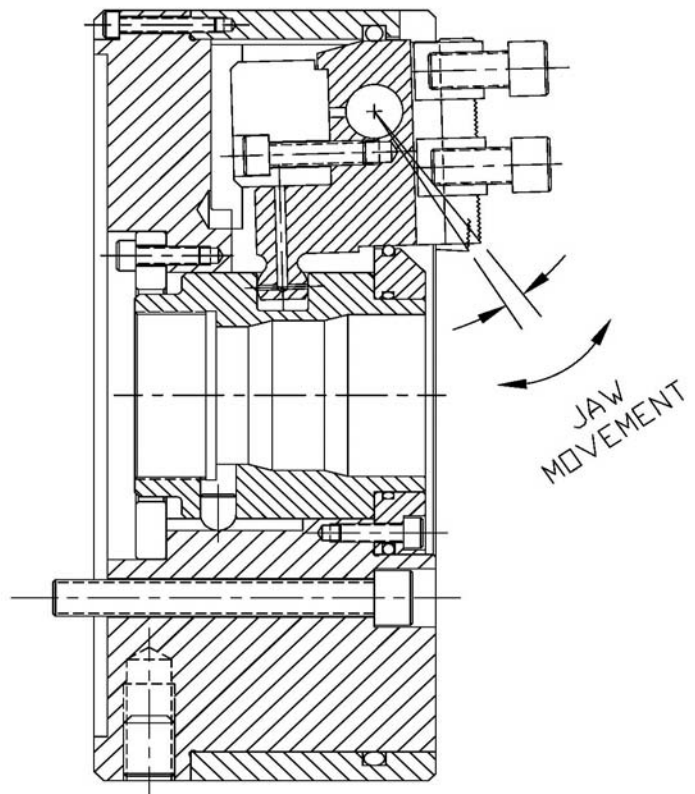


## Technical Features:

- 2 or 3 Jaw Chucks
- OD grip only
- Speeds up to 5000 RPM
- Thru Hardened body
- Case Hardened internal components
- Lever operated
- Drawbar actuated
- Serrated Master Jaws
- Thru-hole, or optional cover
- Integral tapped holes for balancing

## Options Available:

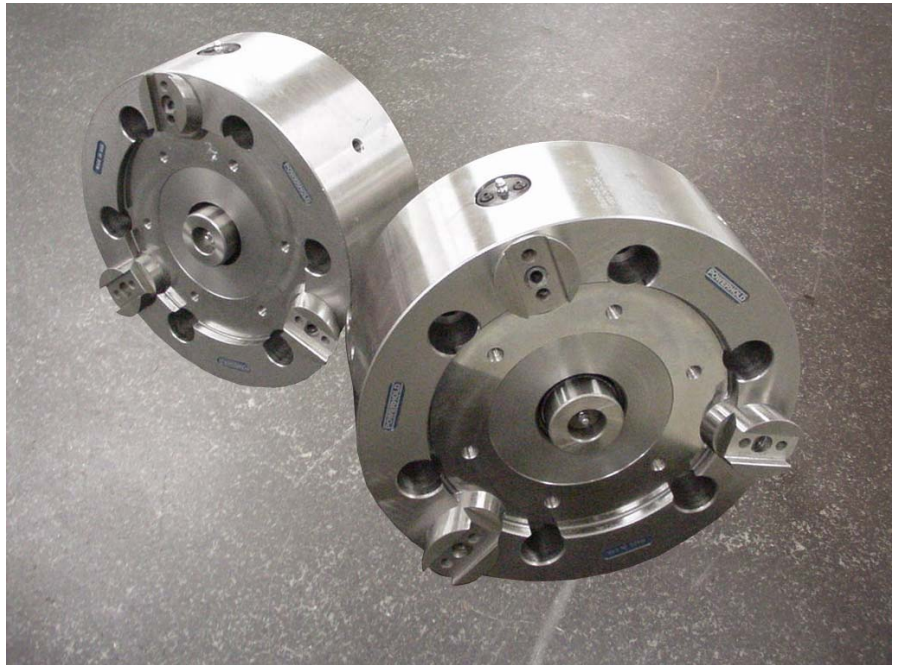
- Flat back or Type A2 taper mounting
- Standard & special chuck adapters
- Air-sensing packages
- Thru-coolant packages
- Custom Top Jaws
- Drawtube connectors



# DRAW-DOWN CHUCKS

## Applications:

- Ideal for applications needing high grip force and heavy parts
- Standard models from 8-12". Larger models can be offered
- Tapped holes for mounting a part stop or tooling plate assembly

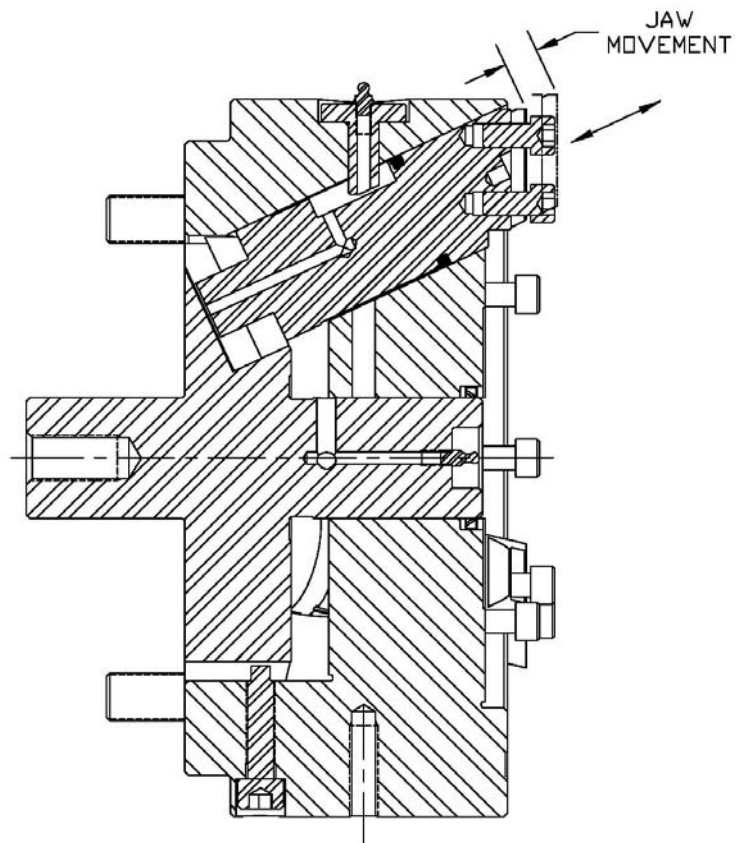


## Technical Features:

- 2 or 3 Jaw Chucks
- OD or ID grip
- Speeds up to 5000 RPM
- Thru Hardened body
- Case Hardened internal components
- Drawbar actuated
- Serrated or Tongue-In-Groove Master Jaws
- Closed center design

## Options Available:

- Flat back or Type A2 taper mounting
- Standard & special chuck adapters
- Air sensing packages
- Thru-coolant packages
- Custom Top Jaws
- Drawtube connectors



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