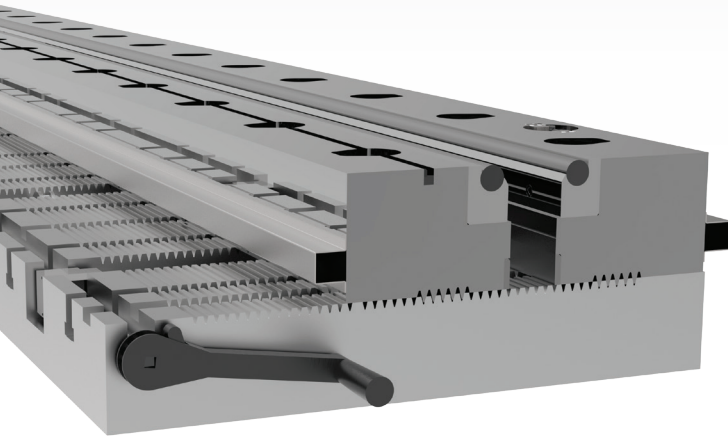


THICK MATERIAL BENDING SOLUTIONS

When you work with heavy or abrasive materials such as stainless, hardened steel or parts that are not completely de-burred, you can wear out the shoulders of a die long before the entire die is worn out. Replacing the entire die is expensive, so Wilson Tool International offers two different solutions depending upon your needs.



Adjustable Dies

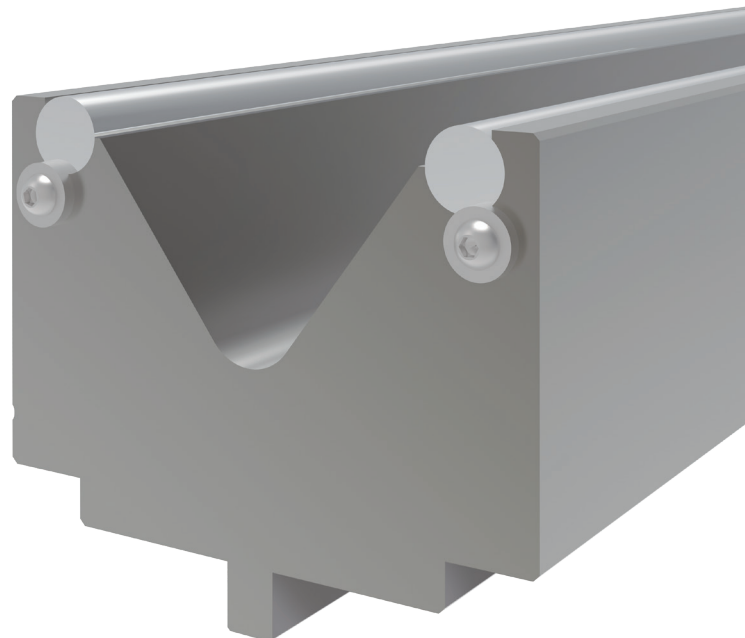
- Adjustable V opening allows the die to remain on the press permanently instead of constantly changing out dies
- Functions as a standard die holder capable of withstanding tonnage of up to 400 tons per foot
- A variety of replaceable shoulder inserts help keep costs down
- An optional cover bellow (not shown) helps keep the grooves free from dirt and dust

See the back of this flyer for an overview of the many different configurable options that are available.

Replaceable Shoulder Dies

Dies that have a replaceable shoulder radius are ideal for extreme wear conditions like heavy plate and abrasive materials. Replacing just the shoulder insert saves on replacement costs.

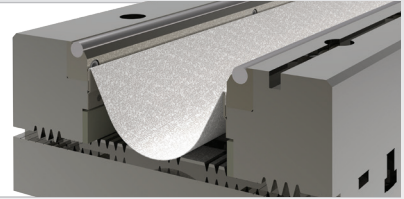
Since the radius is able to rotate during bending, friction and tonnage are reduced, resulting in reduced part marking and less tonnage on tooling and machinery.



THICK MATERIAL DIES

Adjustable Die Options

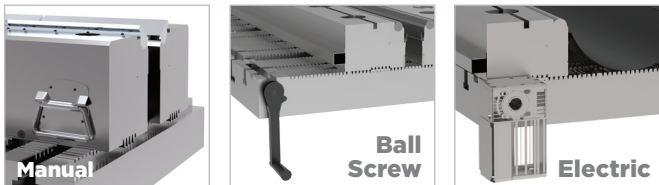
Adjustable dies are available in many different configurations, making them an incredibly versatile tool. See below for an overview of the options.
(Shown at right with protective cover bellow.)



CLAMP STYLE

- **Manual:** Shoulder bolts are loosened manually. Spring assist for ease of motion. 3/4" [19mm] hex bolts, 12" [305mm] spacing.
- **Hydraulic:** Shoulder bolts are loosened with the push of a button.

OPENING ADJUSTMENT



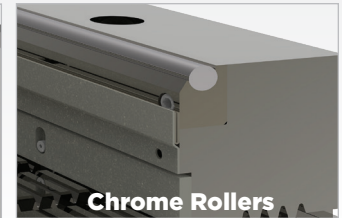
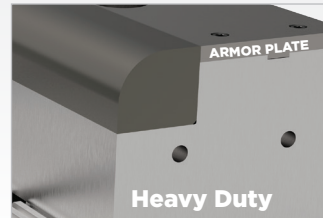
Openings range from 1 to 26 inches and can be adjusted in 1" increments.

- **Manual:** Each block rests on roller bearings and is moved easily by pulling or pushing a handle.
- **Ball Screw:** One ratchet handle at the end of the die moves both blocks simultaneously or one side block independent from the other.
- **Automatic:** Blocks moves via an electric servo motor without any handles or ratchets. Available only with hydraulic clamps.



Scan QR Code to Explore More Thick Material Bending Options

SHOULDER INSERTS

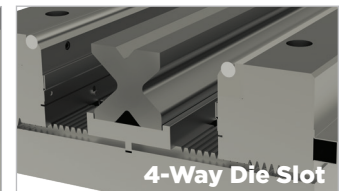
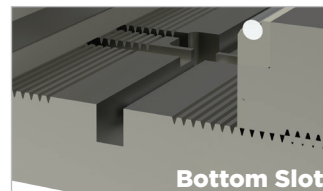


- **Heavy Duty:** Armor plate inserts and through hard inserts support heavy plate and help to prevent premature wear.
- **Chrome Rollers:** Induction hardened and hard chrome rollers help reduce required tonnage by as much as 20%.
- **V-Series Black:** VSB inserts allow material to slide flat on flat to help reduce marking and bend shorter flanges.



ADDITIONAL OPTIONS

Die Holder Slots for existing dies can be added on the bottom or on the shoulder. A large 4-Way Die slot can also be added.



For more information, visit wilsontool.com/thickmaterial, call our tooling technicians at 800.445.4518 or contact your sales engineer.

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