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## Item # 4'-500, 1/2" Hydraulic Shears

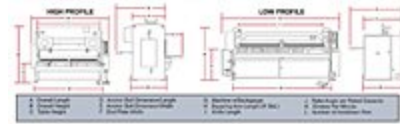
*A precision cut doesn't happen by chance.*

It takes a shear that can make a razor-sharp cut time after time. Betenbender overdriven and underdriven Hydraulic Shears are designed to do exactly that.

Betenbender designs simplicity and safety into its shears-with an advanced hydraulic system, and flexible operation. They're easy to operate, easy to maintain and able to withstand the rigors of today's production demands. A wide range of options are available.

### Features

- **Controls:** Push button and switch controls are at your fingertips. The fully guarded, 2-position 110v footswitch lets you interrupt the cutting stroke at any point in its cycle.
- **Easy Material Handling:** A sturdy backgauge and rake angle adjustment minimizes twist and distortion. This makes it possible to increase the rake for cutting heavier stock and extend maximum capacity of the machine. A 4' squaring arm with a recessed scale makes for fast, easy measurement.
- **Single Piece Top and Bottom, High Carbon, High Chrome Shock Resistant Knives:** Provide four separate edges for clean cuts and long blade life. Easy blade gap adjustment means precise cuts for a wide variety of materials.
- **Electrical System:** Meets NFPA 79 and construction requirements of the ANSI B11.4. All machines have disconnect switches magnetic starters, 110/120v controls, and 208-230/460v 3 phase, others optional.
- **Backgauges:** A Betenbender Shear is capable of shearing 1/8" (10 GA) material to the following tolerance: Dimension - The width of the off-cut portion of the workpiece is within  $\pm 0.005$  inch of the backgauge setting.



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### Dimensions

Knives	1x4
Motor Size <sup>1</sup>	20 hp
Overall Length (Dimension A)	75 1/2 in
Overall Height (Dimension B)	84 in
Table Height (Dimension C)	32 in
Anchor Bolt Dimension/Length (Dimension D)	56 in

<b>Anchor Bolt Dimension/Width (Dimension E)</b>	55 in
<b>End Plate Width (Dimension F)</b>	48 in
<b>Machine with Backgauge (Dimension G)</b>	80 in
<b>Squaring Arm Length, 4' Std. (Dimension H)</b>	24 in
<b>Knife Length (Dimension I)</b>	52 in
<b>Rake Angle per Rated Capacity (Dimension J)</b>	1/2 in
<b>Strokes per Minute (Dimension K)</b>	13 in
<b>Number of Holddown Pins (Dimension L)</b>	11 in
<b>Weight<sup>2</sup></b>	13,800 lb

<sup>1</sup> Larger motor sizes are available. To convert from horsepower to KW, multiply by 0.76.

<sup>2</sup> ESTIMATED WEIGHTS. The weight of your machine may vary from the estimated weight listed here. Weights may vary according to options included.

## Specifications

<b>Standard Features</b>	<p>208-230/460v 3 phase  36" Power Backgauge with LED Readout Inch / Metric.  4' Squaring Arm with Inlaid Scale  All Hydraulic Fluids Included  All Steel Construction  American Made Hoses and Fittings  American Made Motor and Valves  Disconnect Switch  Hour Meter  Hydraulic Pressure: 2500 psi  Hydraulic Self-Compensating Holddown Bar Assembly  Light Beam Gauge (Shadow Line)  Linemaster Foot Switch  Manual Rapid Blade Gap Adjustment (3/8" and Larger)  Manual Swingup Backgauge  NEMA Electrics  Power Adjust Variable Rake  Safety Switch for Front Guard  Single Piece Top and Bottom, Shock Resistant Knives with Four Cutting Edges</p>
<b>Options<sup>1</sup></b>	<p>3 Position Power Blade Gap Adjustment (3/8" and Larger)  48" Support Arms/Front Gauges  Neoprene Holddown Caps  One Shot Lubrication  Solid Table Top - Bolt on Segments  2 Position Power Blade Gap Adjustment (3/8" and Larger)  208v Single Phase  5 Station NC "GO-TO" Positioner  Angle Gauge  Automatic Lubrication  Ball Transfers  Bolt/Shim Kit for Leveling  Continuous Stroke (Includes Stroke Counter)  Disappearing Stops (Support Arms)  Dovetail Slots or T-Slots  Electronic Stroke Control  Extended Squaring Arm (4' Standard)  Extra Foot Pedal with Keylock Switch  Flip Up Stops (Squaring Arm)  Harder Grade of High Carbon, High Chrome Knives  Increase HP (Increase Speed)  Independent Holddown Control  Inlaid Scale (0-48")  Keylock Switch  Left Hand Squaring Arm (4')  Machined Solid Table Top Bed  Oil Cooler</p>

	Other Electrics and Motors Pneumatic Sheet Support Power Blade Gap Adjustment (10 GA, 3/16", 1/4") Special Paint Colors Stroke Counter
<b>Backgauges</b>	<a href="#">Automatic Power Lift</a> Extra Length on Backgauge Manual Swing Up Backgauge (Standard) Power Lift

<sup>1</sup> Ask about options not listed.

**Recommended options for all machines.**

**Recommended options for 3/8", 1/2", 5/8" and 3/4" machines.**

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### Note

Engineering data and dimensions are subject to change without notice.

Foundation plans are available upon request.

1/4", 3/16", and 10 GA machines will be low profile, unless it is a gap type machine.

All estimated figures.