

Item # 1'-12", 1" Hydraulic Shears

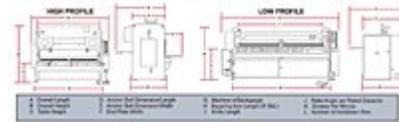
A precision cut doesn't happen by chance.

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 ±0.005 inch of the backgauge setting.



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Dimensions

Knives	1x4
Motor Size ¹	20 hp
Overall Length (Dimension A)	48 in
Overall Height (Dimension B)	64 in
Table Height (Dimension C)	38 in
Anchor Bolt Dimension/Length (Dimension D)	128 in

Anchor Bolt Dimension/Width (Dimension E)	55 in
End Plate Width (Dimension F)	36 in
Machine with Backgauge (Dimension G)	80 in
Squaring Arm Length, 4' Std. (Dimension H)	12 in
Knife Length (Dimension I)	18 in
Rake Angle per Rated Capacity (Dimension J)	1/4 in
Strokes per Minute (Dimension K)	12 in
Number of Holddown Pins (Dimension L)	8 in
Weight ²	TBA

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

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

Specifications

Standard Features	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
Options¹	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

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

¹ Ask about options not listed.

Recommended options for all machines.

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

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.