

# *Northfield* 36" Gate & Riser **BANDSAW**

## FOR HIGH TOOL VELOCITY BANDSAWING



36" DELUXE BANDSAW BELT DRIVE  
WITH 3 TO 1 VS DRIVE, 3' X 5' STEEL  
TABLE & NEMA 12 ELECTRICS

### **ADVANCED DESIGN**

NORTHFIELD Bandsaws undergo a constant process of testing and refinement to maintain the highest standards of precision, speed, dependability, appearance and value.

### **QUALITY MANUFACTURE**

NORTHFIELD Bandsaws are built to exacting quality standards in every detail. They are solid, smooth-running machines. Each Bandsaw is electronically balanced for vibration-free performance.

### **HEAVY DUTY FRAME**

High strength cast iron frames with wide, ribbed feet give a solid stance, and absorb vibration.

**HIGH SPEED SAWING** of non-ferrous and non-metallic materials 3,000 - 8,000 FPM.

**FRICITION SAWING** of ferrous materials less than 1" thick 10,000 - 15,000 FPM.

*Advanced Bandsaws for  
Removal of Gates & Risers and  
Other Trimming Operations in  
Ferrous & Non-Ferrous Metals*



**Rear view showing upper wheel auto brake & NEMA 12 electrical enclosure with fused disconnect.**

**Specifications .... Standard ... Deluxe**

Wheel Face .....	2"
Table Size - cast iron .....	30" x 36" ..... 37" x 37"
Front Edge of Table	
to Teeth of 3/8" Blade ....	12" ..... 13"
Cap Under Guide .....	22" ..... 30"
Table Tilt to Right .....	45°
Table Tilt to Left .....	5°
Horizontal Cap .....	35-1/2"
Table Height .....	42"
Wheels .....	Carter Loc-On Steel Disc Demountable Tire
Brakes .....	Lower Wheel..... Lower Wheel Foot Operated .... Foot Operated & Upper Wheel Automatic
Floor Space .....	50" x 60" ..... 50" x 63"
Domestic Shipping Wt. ....	2700 lbs. .... 3000 lbs.
Export Shipping Wt. ....	3300 lbs. .... 3600 lbs.
Cubic Export Crate Size ....	165 cu. ft. .... 180 cu. ft.
Wheel Circumference .....	36" Dia. = 9,424 ft.
Dust Outlet .....	4.5W x 5.5H use 5" pipe
Machine requires approx. 600 CFM air flow for dust collection	

**To calculate blade speed in FPM:**

Multiplies RPM x 9.424'

1200 RPM x 9.424 = 11,308 FPM

900 RPM x 9.424 = 8481 FPM

300 RPM x 9.424 = 2827 FPM

**DRIVE PACKAGES – All motors TEFC**

**Belt Driven Single Speed**

3, 5, 7-1/2, 10 & 15 HP – Minimum 300 RPM, Maximum 1500 RPM  
Speeds lower than 300 RPM contact factory

**3:1 Variable Speed Drive Assembly**

3, 5, 7-1/2, 10 & 15 HP available in the following ratios:  
200 to 600 RPM  
300 to 900 RPM  
400 to 1200 RPM  
500 to 1500 RPM

**6:1 Variable Speed Drive Assembly**

3, 5, 7-1/2, 10 & 15 HP available in any 6:1 range below 1500 RPM

**40:1 Variable Speed Drive Assembly**

3 & 5 HP available in any 40:1 range below 1200 RPM

**Extras for all 36" Band Saws**

- 3' x 5' steel table (non-tilting)
- Work light, 110V, plugs into customers' 110V receptacle, or work light 110V - 100W using transformer in starting box.
- Powered guide post
- Rip fence, single face (for right side of blade)
- Large cross cut gauge with dovetail slot - custom tables only
- Rip fence, double face for use on both sides of blade
- Switch for stopping power on application of foot brake (furnished on Deluxe 36")
- Blade welders
- Air nozzle assembly, connects to customer's air line
- Paddock Guides, Wright Guides, Guideall 400 Guides
- Large rolling table, 48" cut-off x 50" wide, solid cast iron, non-tilting table with steel 50" auxiliary table non-rolling.
- Power feed attachments for rolling tables
- Left-hand machines
- 48", 36", 30" and 24" (standard) under guides
- Upper wheel automatic synchronized safety brake includes automatic tension control
- Lower wheel automatic synchronized safety brake

*Northfield*

**MACHINERY BUILDERS, INC.**

320 Water Street North  
P.O. Box 140  
Northfield, MN 55057

Phone: (507) 645-5641  
Fax: (507) 645-4005

