

# Northfield Heavy-Duty 27" & 32" **BANDSAWS**



27" Belt Drive Bandsaw with  
double face rip fence and  
large cross cut gauge



32" Belt Drive Bandsaw

*Advanced Bandsaws for the Wood,  
Plastic and Metal Industries*

PROFIT THROUGH AMERICAN TECHNOLOGY



**WOOD MACHINERY  
MANUFACTURERS  
OF AMERICA**

MEMBER

# Northfield STATE-OF-THE-ART FEATURES

**Heavy One Piece Cast Iron Frame** is hollow cored for strength and rigidity.

**Aluminum Alloy Disc Wheels** use endless neoprene tires which are epoxy adhered, crown ground and balanced to enhance blade tracking.

**Long, Rigid Heavy Duty Quills** use sealed for life bearings and stressproof steel shafts. The top quill is adjustable to easily control blade tracking.

**Sensitive Saw Straining Device** is of knife edge spring lever design which absorbs shock and provides proper tension. An easily read tension indicator is provided.

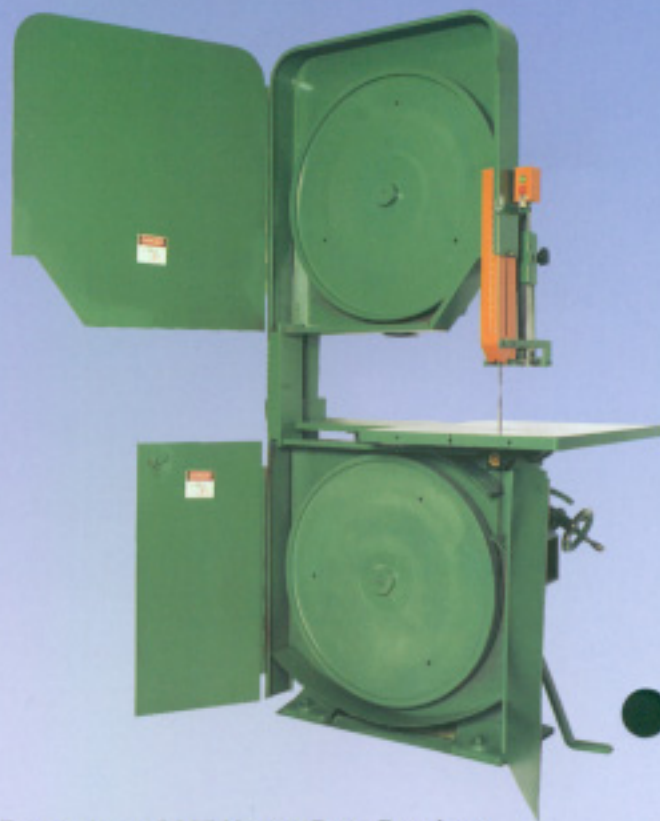
**Heavy Steel Wheel Guards** provide maximum blade containment yet allow fast and easy blade changes. The guide post guard adjusts with the upper guide.

**Ball Bearing Guides** are used both above and below the tables.

## **Braking Options**

1. **Lower Wheel Foot Brake** is standard equipment. A switch can be added to turn off the drive motor upon application of foot brake.
2. **Two Wheel Mechanical Brakes** are also available.
3. **Upper Wheel Auto Electric Brakes** can be added that automatically shuts down the drive motor and applies a fail safe brake to the upper wheel in the event of blade breakage or the blade running off the wheels. This braking action also activates from the stop station or application of foot brake.
4. **Two Wheel Auto Electric Brakes** provide the finest failsafe braking system used on any Bandsaw. This is available on any Bandsaw with a factory installed motor. Both wheels automatically brake when 1) stop button is pressed, 2) foot pedal is activated, 3) blade breaks, or 4) blade runs off wheel.

**27" Constant Speed Belt Drive with table tilted to 45 degrees.**



**Front view of 32" Heavy-Duty Bandsaw showing wheels & guard interiors.**

Single Roller Resaw Fence



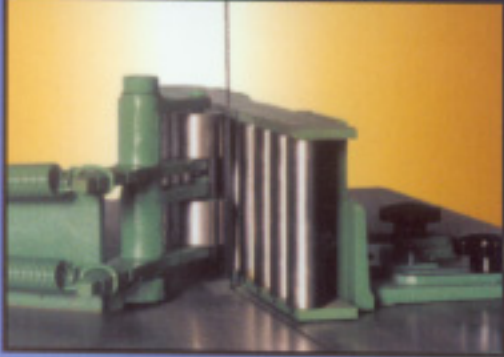
Single Face Rip Fences  
(left & right)



Miter Gauge with Dovetail Slot



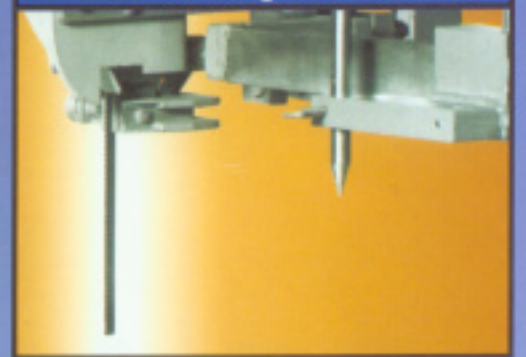
11 Roller Resaw Fence



Double Face Rip Fence



Circle Cutting Attachment



Rear view of 32" Heavy-Duty Bandsaw  
showing Belt Drive configuration.



Rear view of 32" Heavy-Duty Bandsaw  
showing Direct Motor Drive configuration.

# SPECIFICATIONS

Bandsaws	27"	32"
Wheel Face	1-1/2"	1-3/4"
Table Size	25" x 25"	26" x 33"
Front Edge of Table to Teeth of 3/8" Blade	9-1/2"	12"
Capacity Under Guide	15"	16"
Table Tilts to Right	45 degrees	
Table Tilts to Left	5 degrees	
Horizontal Cap.	26-1/2"	31-1/2"
Table Height	40"	41"
Wheels	Aluminum Disc with Neoprene Tires	
Brakes	Lower Wheel, Foot Operated	
Guides	Carter CP Size # 0	
Voltage	208 - 230/460, 575 60 HZ 3 Phase	
Floor Space	35" x 45"	42" x 54"
Height of Standard Saw	84"	89"
Domestic Shipping Wt.	1,400 lbs.	1,800 lbs.
Export Shipping Wt.	1,800 lbs.	2,400 lbs.
Cubic Export Crate Size	108 cu. ft.	140 cu. ft.
Wheel Circumference	7.068 ft.	8.377 ft.
Dust Outlet	3" W x 3-3/4" H Use 4" Pipe	4-1/2" W x 5-1/2" H Use 5" Pipe
Dust Collection Air Flow	400 CFM	600 CFM

## Standard Equipment

Foot brake, magnetic starter, 110 volt at push button, 3/8" blade, Carter size #0 guides, neoprene tires, table alignment pin, 2 manuals

## DRIVE PACKAGES - All motors TEFC

### Direct Motor Drive, 3-phase only

3 HP - 900 RPM  
 3 HP - 1200 RPM  
 5 HP - 900 RPM  
 5 HP - 1200 RPM  
 7.5 HP - 900 RPM  
 7.5 HP - 1200 RPM

### Belt Drive Single Speed

2, 3, 5, & 7-1/2 HP — Minimum 300 RPM, Maximum 1,200 RPM  
 Speeds lower than 300 RPM contact factory  
 Single phase, 220 volt available in belt drive only

### 3:1 Variable Speed Drive Assembly

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

### 6:1 Variable Speed Drive Assembly

3, 5 & 7-1/2 HP available in any 6:1 range below 1,200 RPM

### 40:1 Variable Speed Drive Assembly

3 & 5 HP available in any 40:1 range below 1,200 RPM

## To Calculate Blade Speed in FPM

For 27" Multiply RPM x 7.068 feet

900 RPM x 7.068' = 6361 FPM

For 32" Multiply RPM x 8.377 feet

900 RPM x 8.377' = 7,539 FPM

## Extras for all 27" & 32" Bandsaws

- Hand Resaw Attachments
- Work light, 110V, plugs into customer's 110V receptacle, or work light 110V - 100W using transformer in starting box.
- Miter Gauge with straight slot
- Rip fence, single face (specify right or left side of blade)
- Large crosscut gauge with dovetail slot
- Rip fence, double face for use on both sides of blade
- Switch for stopping power on application of foot brake
- NEMA 1 & NEMA 12 electrics with fused disconnect
- Blade welders
- Air nozzle assembly, connects to customer's airline
- Paddock Guides, Wright Guides, Guideall 400 Guides
- Two-wheel foot operated mechanical brakes
- Circle cutting attachment
- Left-hand machines
- 18", 24" & 36" under guide
- Upper wheel automatic electric brake includes automatic tension control
- Lower wheel automatic electric brake

# Northfield

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