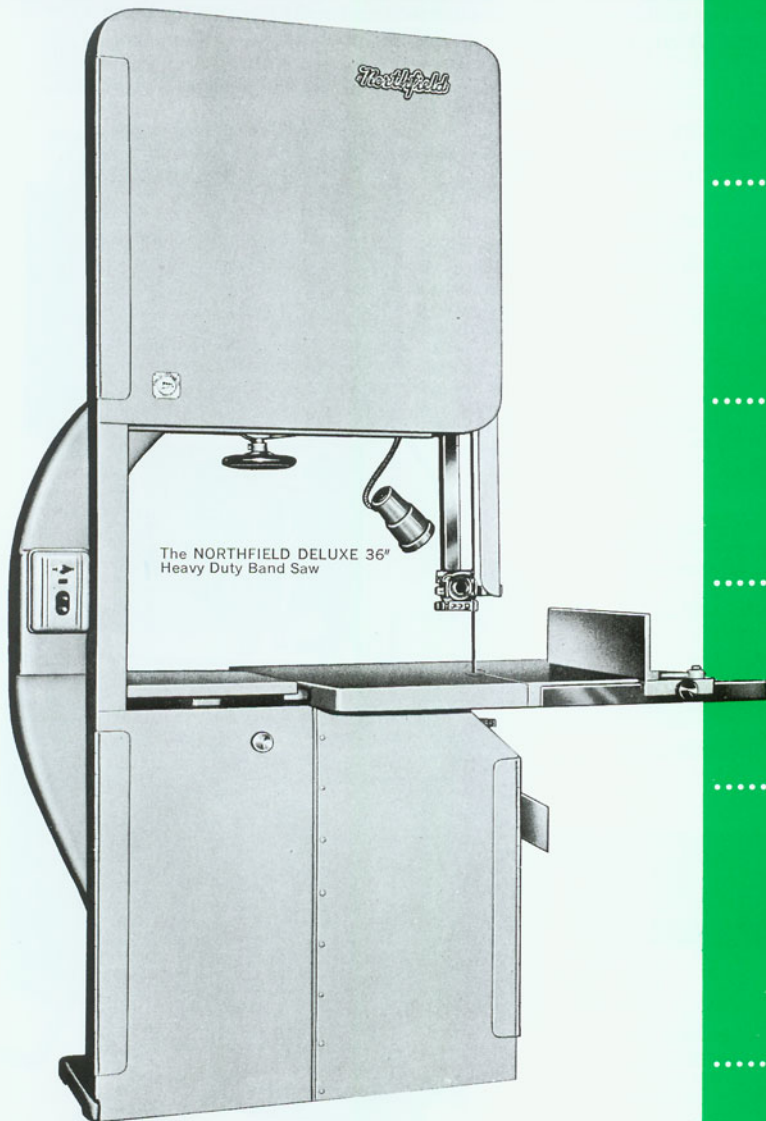


Northfield

BAND SAWS



The NORTHFIELD DELUXE 36"
Heavy Duty Band Saw

THE COMPLETE LINE

NORTHFIELD offers one of the most complete band saw lines. Choose from a full range of sizes—20", 27", 32", 36" Standard and 36" DeLuxe, Heavy Duty, a band saw which most precisely fits your needs.

ADVANCED DESIGN

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

QUALITY MANUFACTURE

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

HEAVY DUTY FRAME

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

MACHINED AND GROUND TABLES

Tables are thick and heavily ribbed—machined and ground—equipped with removable, replaceable table inserts.

TRUE ANTI-FRICTION ROCKER

Machined rocker and babbitt bearing type—a true anti-friction combination—for ease of adjustment, plus natural resistance to rust and corrosion. Rocker can be angled and locked solidly at any degree by use of screw and nut tilting device and positive lock. (Excepting 20")

Northfield

FOUNDRY & MACHINE CO.

★ ★ ★ NORTHFIELD, MINNESOTA, U. S. A.



Feature-full *Northfield* BAND SAWS

- **LONG, RIGID, HEAVY-DUTY QUILLS** Long, rigid, heavy duty quills use large, sealed for life ball bearings and high quality spindle steel. Top quill is adjustable for accurately and easily tracking the blade.
- **PRECISION GROUND AND BALANCED WHEELS** Wheels are precision built while ground and balanced on special machinery to insure perfection. Thirty-six inch machines are equipped with 2" x 36" steel, demountable tire disc wheels with steel reinforced rubber tires, which are suitable for speeds as high as 1200 RPM. Wheels on 20", 27", and 32" machines are of aluminum alloy.
- **STREAMLINED, HEAVY STEEL GUARDS** Streamlined, heavy steel, reinforced guards are of pleasing design and noiseless construction. The guide post guard adjusts with the guide to give maximum protection.
- **SENSITIVE, POSITIVE SAW STRAINING DEVICE** The straining device consists of a very sensitive knife edge spring lever arrangement which absorbs shock and provides proper tension. Tension indicator is easily read.
- **BALL BEARING GUIDES** Ball bearing guides are used both above and below the tables.

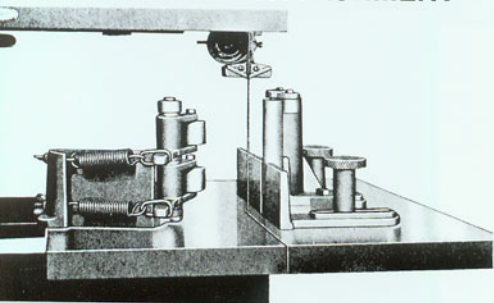
BRAKES FOR OPTIMUM SAFETY FOOT OPERATED

Mechanical two wheel brakes—can be arranged with switch that stops power on application of brakes.

AUTOMATIC ELECTRIC TWO WHEEL BRAKES

The very finest, safest and simplest braking system used on any band saw is available on any NORTHFIELD Band Saw with factory installed motor. Automatic, electric, two wheel brakes are activated by (1) STOP push button, (2) Foot pedal control, (3) When blade brakes, (4) When blade runs off wheel.

HAND RESAW ATTACHMENT

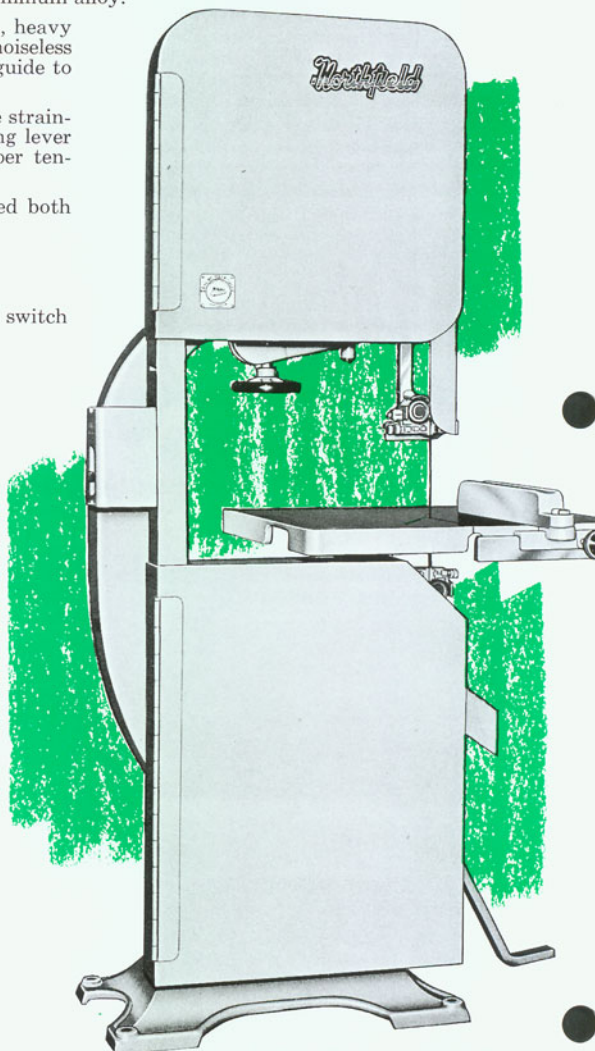


ADDITIONAL FEATURES

Guide posts on 32" and 36" machines are spring counter balanced. There are auxiliary, stationary tables on 27", 32" and 36" machines. All machines are equipped with blade tracking guide and dust chute.

ACCESSORIES AND SPECIAL MACHINES AVAILABLE

Left hand machines • Unlimited capacities under guide • Crosscut (mitre) gauges • Rip fences • Power and hand resaw attachments • Rolling tables • And many others!



Northfield 20" Band Saw with 25" x 25" table showing double face rip fence which can be used on either side of saw blade. Also shown is the foot operated lower wheel brake.

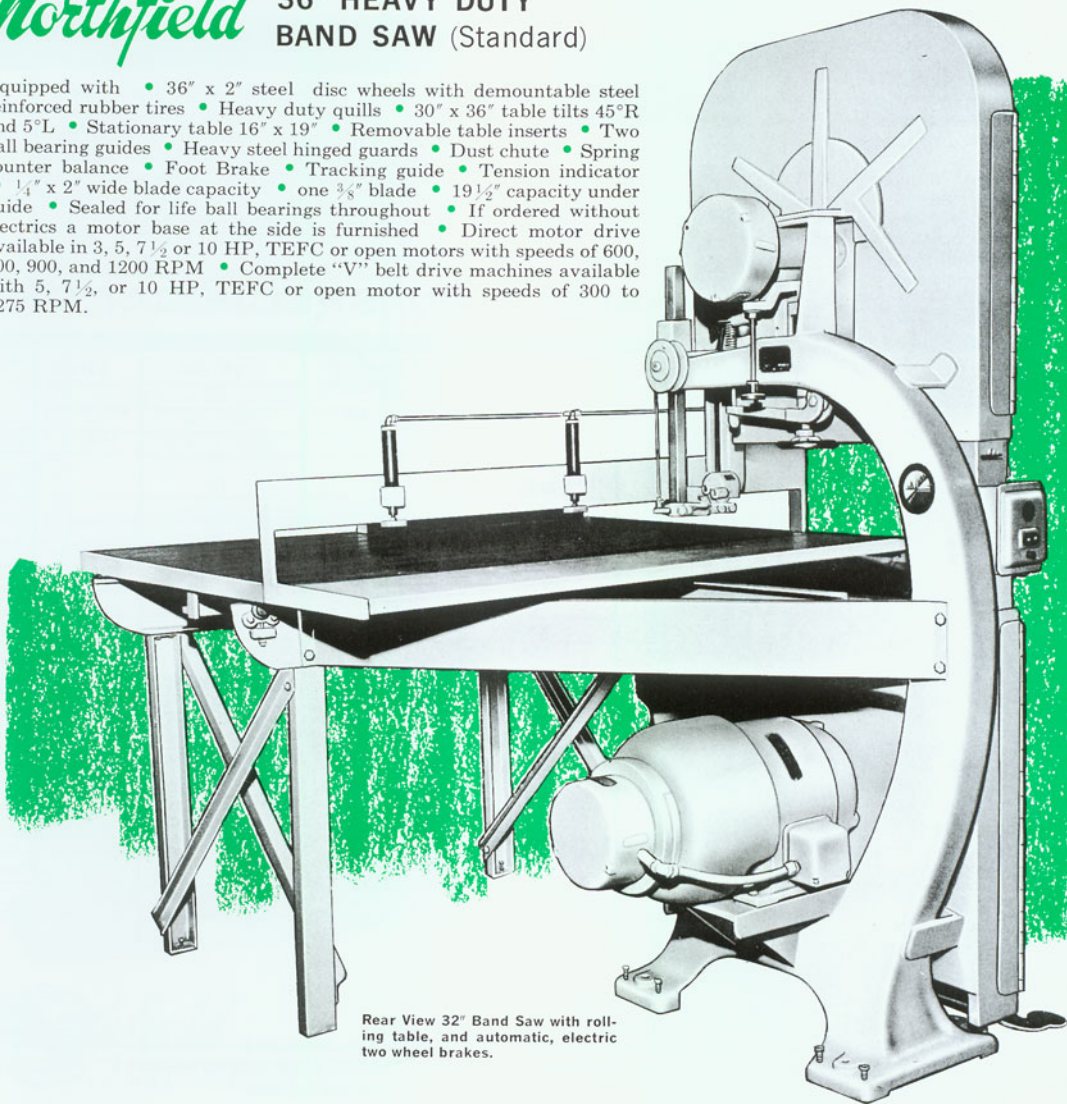
Northfield "DELUXE" 36" HEAVY DUTY BAND SAWS

The largest and finest band saw in the line. Equipped with • 36" x 2" steel disc wheels with demountable, steel reinforced, rubber tires • Heavy Duty quills • 37" x 37" table tilts 45°R and 5°L • Stationary table 16" x 19" • Removable table inserts • Two ball bearing guides • Heavy steel hinged guards • Dust-chute • 24" under guide • Tension indicator • Automatic safety tension control • Automatic safety brake on upper wheel which operates automatically if blade breaks

or runs off wheel; also operates by push button or lower wheel brake • Blade tracking guide • Spring counter balance • Work light • Totally enclosed fan cooled motor • Sealed for life ball bearings throughout • Magnetic starter with push button control • Direct motor drive available in 5, 7½ or 10 HP, TEFC with speeds of 600, 700, 900 and 1200 RPM • Complete "V" belt drive machines available with 5, 7½, or 10 HP, TEFC motors with constant speeds of 300 to 1275 RPM.

Northfield 36" HEAVY DUTY BAND SAW (Standard)

Equipped with • 36" x 2" steel disc wheels with demountable steel reinforced rubber tires • Heavy duty quills • 30" x 36" table tilts 45°R and 5°L • Stationary table 16" x 19" • Removable table inserts • Two ball bearing guides • Heavy steel hinged guards • Dust chute • Spring counter balance • Foot Brake • Tracking guide • Tension indicator • ¼" x 2" wide blade capacity • one ¾" blade • 19½" capacity under guide • Sealed for life ball bearings throughout • If ordered without electric a motor base at the side is furnished • Direct motor drive available in 3, 5, 7½ or 10 HP, TEFC or open motors with speeds of 600, 700, 900, and 1200 RPM • Complete "V" belt drive machines available with 5, 7½, or 10 HP, TEFC or open motor with speeds of 300 to 1275 RPM.



Rear View 32" Band Saw with rolling table, and automatic, electric two wheel brakes.

ACCESSORIES FOR ALL BAND SAWS

- Work light, 110V, plugs into customers' 110V receptacle, or work light 110V-100W using transformer in starting box, also gives 110 volt at push button.
- Crosscut (mitre) gauge and slot
- Rip fence, single face (for right side of blade)
- Large cross cut gauge with dovetail slot
- 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 welder to 1/2" blade
- Air nozzle assembly, connects to customer's air line
- Hand and power resaw attachment
- Pad-dock guides
- Large rolling table, 48" cut off x 50" wide, solid cast iron non-tilting table with 12" x 50" auxiliary table
- Power feed attachments for rolling tables.

DRIVE ASSEMBLIES FOR CUTTING WOOD, METAL, PLASTICS, ETC.

Constant speed belt drive assemblies. Speeds 300 to 1275. Includes magnetic motor starter and push button control "V" belts, sheaves, belt guard, wiring assembled complete. Open or TEFC motors with 1, 2, 3, 5, 7 1/2 and 10 HP.

VARIABLE SPEED ASSEMBLIES

- 3:1 variable speed drive assembly; Highest 1,275 RPM to 475 RPM and 455 RPM to 150 RPM or any 3:1 speed ratio in between. Includes motor, pulley, belt, base, magnetic starter and push button control, belt guard, wiring, assembled complete. Open or TEFC motors with 2, 3, 5, 7 1/2 and 10 HP.
- 12:1 Variable speed drive assembly; Highest 1200 RPM to 100 RPM. Lowest 600 RPM to 50 RPM or any 12:1 speed ratio in between. Includes motor, pulleys, belts, base, 4 speed gear box, final drive, magnetic switch and push button control, guards, wiring assembled complete, open or TEFC motors with 3 and 5 HP.

EXTRAS FOR ALL 36" BAND SAWS

- Left hand machines
- 36" Under guide
- 30" Under guide
- 24" Under guide (standard model)
- Two wheel foot operated synchronized brakes (standard model)
- Upper wheel automatic synchronized safety brake (standard motorized models) includes automatic tension control
- Lower wheel automatic synchronized safety brake.

NORTHFIELD BAND SAW SPECIFICATIONS

SIZE OF BAND SAW	20"	27"	32"	36" Std.	Deluxe 36"
Wheel face	1 3/8"	1 1/2"	1 3/4"	2"	2"
Size of tilting table	25" x 25"	25" x 25"	26" x 33"	30" x 36"	37" x 37"
Size of stationary table		12" x 15"	12 1/2" x 18"	16 1/2" x 19 1/2"	16 1/2" x 19 1/2"
Front edge of table to edge of 3/8" blade	9 1/2"	9 1/2"	12"	12"	13"
Capacity under guide	14"	12"	15"	19 1/2"	24"
Table tilts to right	45°	45°	45°	45°	45°
Table tilts to left	10°	5°	5°	5°	5°
Horizontal capacity	19 1/2"	26 1/2"	31 1/2"	35 1/2"	35 1/2"
Table height from floor	39 1/2"	40"	41"	42"	42"
Floor space	24" x 36"	35" x 45"	42" x 54"	50" x 60"	50" x 63"
Domestic shipping wgt. lbs.	925	1300	1700	2400	2600
Height	75"	81"	87"	100"	110"
Direct motor drive HP and RPM *TEFC	2 HP-900, 1200 3 HP-900, 1200	2 Hp-700, 900, 1200 3 HP-700, 900, 1200 5 HP-900, 1200	2 HP-700, 900 3 HP-700, 900 5 HP-900	3 HP-700, 900 5-HP-600, 700, 900, 1200 7 1/2 HP-700, 900, 1200 10 HP-900, 1200	5 HP*-600, 700, 900, 1200 7 1/2 HP*-700, 900, 1200 10 HP*-900, 1200
Wheels	Alum. Alloy Disc	Alum. Alloy Disc	Alum. Alloy Disc	Steel Demountable Tire Disc	Steel Demountable Tire Disc
Brakes	Extra	Lower Wheel foot operated	Lower Wheel foot operated	Lower Wheel foot operated	Lower Wheel F.O. & upper wheel auto.

Northfield FOUNDRY & MACHINE CO.

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