

# Northfield

## #9 DOUBLE SPINDLE SHAPER

Guards, alum dust spouts & foot brakes are standard equipment. This Shaper is shown with 30" spindle centers.



Rear view showing sub table dust outlets and guard mounting. Drive motors are mounted on hinged motor base. Gives accurate belt tension. Pulleys and belts are guarded.

Northfield Double Spindle Shapers are constructed with rugged iron castings and balanced rotating components to assure vibration free performance. Available with either 24" or 30" between spindle centers. Spindles are available to 1-1/2" dia. and up to 8" in length. TEFC motors to 15 HP can be provided. Under table dust outlet improves dust and chip extraction.

Optional:  
Nested Throat Plates



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The spindles are machined from stressproof steel and are precision ground. The wide separation between the upper & lower sealed for life bearings provides extreme shaft rigidity when running large diameter cutterheads. The heavy yoke assembly with full length gibbed vee ways maintains deflection-free bearing and spindle alignments.

**BASE:** Heavy quill-base castings with flanged floor base gives firm setting. Yoke ways are carefully machined to assure full yoke bearing.

**TABLE:** Heavy duty, well ribbed castings allow attachment of oversized jigs and fixtures. Top surface is accurately ground – allows stock and forms to slide easily. Has fitted table ring at the spindle.

**YOKES:** Gibbed yokes, carefully machined and fitted into base assures absolute vertical spindle position through any adjustment. Precision ball

Optional K-50 fences accommodate up to 8" diameter cutterheads and vents chips to rear. Each cast iron fence plate is independently adjustable without moving the box frame. Maple die-board fences are standard. Guard mounts to top of fence.



bearings are sealed for life – need no lubrication.

**SPINDLES:** Rugged 1" diameter by 5" long spindle is accurately machined and ground for high speed production. Optional spindle sizes available.

**DRIVES:** 3, 5, 7-1/2, 10 or 15 HP rear-mounted motors swing on hinges to allow easy access. Has 2-1/2" endless belt drive with screw adjustment for close belt tensioning. Shaper is equipped with magnetic starter and 110 volt push-button controls.

## SPECIFICATIONS

Diameter of Spindle (standard machine) .....	1"	Size of dust spouts .....	4"
Vertical adjustment of Spindle .....	4-1/2"	Each 4" dust spout requires approx. 400 CFM air flow for dust collection	
Length of Spindle at Collar .....	5"	Horsepower .....	3, 5, 7-1/2, 10, 15 TEFC
Size of Table: 24" center machine .....	30" x 60"	Size of Throat Hole (standard machine) .....	4-1/2"
30" center machine .....	30" x 66"	Floor Space: 24" center machine .....	44" x 60"
Distance Between Spindles .....	24" Std. or 30"	30" center machine .....	44" x 66"
Height of Table Top .....	34-1/2"	Domestic Shipping Weight .....	2000 lbs.
Spindle Speed .....	8000 RPM	Export Shipping Weight .....	2300 lbs.
Spindle Rotation (front of machine) .....	RH Spindle: counter clockwise	Cubic measure export boxed .....	96 cu. ft.
	LH Spindle: clockwise	Voltages .....	208, 230/460, 575 3 ph 60 hz

## ACCESSORIES

K-50 fences with hold down springs	Detachable router top 1/2" hole
Micrometer adjust for K-50 fences	Collet spindle (3/4" max. collet bore)
3/4, 7/8, 1-1/8, 1-1/4, 1-3/8, 1-1/2 solid spindles	6000 or 4000 RPM spindle speed
6-1/2" spindle length 1, 1-1/8, 1-1/4, 1-3/8 & 1-1/2 solid spindle only	NEMA 12 electrics with fused disconnect
8" spindle length 1-1/4, 1-3/8 & 1-1/2 solid spindle	24-volt push-button
Opposite spindle rotation RH-CW, LH-CCW	Hand brake in lieu of foot brake
Reversing solid spindles with reversing switches	Switch to disconnect power upon actuation of brake
Detachable non-reversing spindle screw-on type 3/4,	Miter gauge and dovetail slot (table ends only)
7/8, 1, 1-1/8, 1-1/4"	Single phase 3, 5, 7-1/2 HP, 220-volt
Detachable reversing spindle taper type 3/4, 7/8, 1, 1-1/8"	Throat hole and plates available: 8", 6-1/2" and nested
6" front and rear table extensions	Modifications to customer's order

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