

# VICTOR<sup>®</sup> 4500RF • 5100RF SERIES

## BIG BORE HEAVY-DUTY LATHE

### Features

- 6.02" spindle bore is designed for large chucking capability
- Carbonized and precision ground Ni-Cr-Mo alloy steel gears and shafts
- The precision ground spindle is supported by high precision bearings suitable for both heavy and precision cutting
- One piece structure bed to enhance the machine life and working performance
- High tensile ribbed wide bed with hardened and precision ground bed ways for rigidity and low vibration
- Universal gearbox for inch, metric, D.P., and module threading without changing gears
- Oil bath lubrication and built-in safety clutch safeguard the continuous and proper operation of the gearbox
- Automatic forced lubrication system in the headstock
- Control of the main drive through the electromagnetic brake
- Tailstock is equipped with a two-speed quill that is suitable for heavy duty and easy drilling work
- Automatic lubrication device built inside the apron
- An overload safety device to protect feeding and threading operations
- 4-way power rapid traverse



The machine is shown with optional accessories.

SPECIFICATIONS		4560RF 5160RF	4580RF 5180RF	45120RF 51120RF	45160RF 51160RF	45200RF 51200RF	45240RF 51240RF	
CAPACITY	Swing over bed	45" (1,160 mm)			51" (1,310 mm)			
	Swing over cross slide	33.46" (850 mm)			39.37" (1,000 mm)			
	Swing in gap diameter	67" (1,700 mm)			72.83" (1,850 mm)			
	Width of gap	22" (560 mm)						
	Between centers	59.00" (1,500 mm)	78.74" (2,000 mm)	118.11" (3,000 mm)	157.48" (4,000 mm)	196.85" (5,000 mm)	236.22" (6,000 mm)	
Width of bed	26" (665 mm)							
HEADSTOCK	Spindle bore	6.02" (153 mm) (9.06", 12.20" optional)						
	Spindle nose	A2-11 (A2-15, A2-20 optional)						
	Spindle sleeve	M.T. #6						
	Speed number	12 Steps						
	Speed range	4 ~ 400 rpm						
CARRIAGE	Cross slide travel	25" (635 mm)						
	Compound rest travel	16.50" (420 mm)						
	Rapid travel speed on carriage	78-3/4" /min. (2,000 mm /min.)						
THREADS & FEEDS	Leadscrew diameter	2-1/4" (57 mm) x 2 TPI						
	Inch threads	1/4 ~ 30 TPI x 70 Kinds						
	Metric threads	1 ~ 120 mm pitch x 62 Kinds						
	Diametral pitch threads	1 ~ 120 D.P. x 70 Kinds						
	Module pitch threads	0.25 ~ 30 M.P. x 53 Kinds						
	Longitudinal feeds	Inch	0.004" ~ 0.40" /rev.					
		Metric	0.085 ~ 10.08 mm /rev.					
Cross feeds	Inch	0.002" ~ 0.20" /rev.						
	Metric	0.042 ~ 5.04 mm /rev.						
TAILSTOCK	Quill diameter	4-7/8" (125 mm)						
	Quill travel	13-3/8" (340 mm)						
	Quill center taper	M.T. #6						
	Quill feed ratio (2-speed)	1:1 and 1:4						
POWER	Main motor	30 HP / 3 Phase						
	Rapid travel motor	1 HP						
	Coolant pump	1/8 HP						
WEIGHT & DIMENSIONS	Packing size LxWxH (Inch)	160x80x80	180x80x80	220x80x80	260x80x80	300x80x80	340x80x80	
	Gross weight (Approx.)	4500RF series	18,080 lb (8,200 kg)	19,400 lb (8,800 kg)	22,050 lb (10,000 kg)	24,700 lb (11,200 kg)	27,350 lb (12,400 kg)	30,000 lb (13,600 kg)
		5100RF series	18,300 lb (8,300 kg)	19,620 lb (8,900 kg)	22,270 lb (10,100 kg)	24,920 lb (11,300 kg)	27,560 lb (12,500 kg)	30,200 lb (13,700 kg)

\*Specifications are subject to change without notice for further design improvement.

#### STANDARD ACCESSORIES

1. Center sleeve	5. 4-way power rapid traverse	9. Leveling screws and pads
2. 4-way tool post	6. Dead center M.T. #6	10. Operation manual & parts list
3. Coolant system	7. Halogen work light	11. Tool box with tools
4. Auto lubrication system	8. Chuck cover with limit switch	

#### OPTIONAL ACCESSORIES

1. Taper turning attachment	5. Steady rest with rollers support	9. Face plate with 4-jaw
2. Quick change tool post	6. Follow rest	10. Micro carriage stop
3. 3-jaw scroll chuck	7. Full length splash guard	11. Live center
4. 4-jaw independent chuck	8. Digital readout (DRO)	12. Rear chuck adapter



## MACHINERY SOLUTIONS, INC.

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