

1.5 Specifications of basic machine:
2-250

Capacity
Workpiece diameter range 2,5—102 mm (0,1"—4")

Wheel dimensions

Grinding wheel	— diameter	: maximum ..	610 mm (24")
		: minimum ..	400 mm (15 ³ / ₄ ")
	width	: maximum ..	254 mm (10") s.s.
		hole diameter	304,8 mm (12")
Regulating wheel	— diameter	: maximum ..	355 mm (14")
		: minimum for infeed	240 mm (9 ¹ / ₂ ")
		thrufeed ..	275 mm (11")
	width	: maximum ..	254 mm (10")
		with cobore	50 x 216 mm (2" x 8 ¹ / ₂ ")
		hole diameter	152,4 mm (6")

Speeds

Grinding wheel speed, not variable	1040 RPM
With 610 mm (24") diameter grinding wheel ..	32 m/sec (6500 ft/min)
Regulating wheel speed, infinitely variable:	
low range	15—30 RPM
high range	30—300 RPM

Grinding wheel drive

Motor mounted against outside of machine-bed
Power transmission through V-belts

Regulating wheel drive

Mounted on regulating wheel housing V-belts, variable pitch sheaves with chain and worm — worm wheel drive and torque coupling

Hydraulic system

Capacity hydraulic pump	11 l (2,4 Imp. gal)/min
Capacity spindle lubrication pump	6,5 l (1,5 Imp. gal)/min
Capacity of hydraulic tank	70 l (15 Imp. gal)
Capacity slideways lubrication tank	5 l (1,1 Imp. gal)

Power requirements

Grinding wheel motor as ordered	15 or 18,5 KW (20 or 25 HP)
Regulating wheel motor, two speed	1,1/0,55 KW (1,5/0,75 HP)
Hydraulic and spindle lubrication pump motor	1,1 KW (1,5 HP)
Slide ways lubrication pump motor	0,02 KW (0,03 HP)

Principal dimensions

Center height wheels, measured from:	
workrest pad	280 mm (11")
floor	1090 mm (43")
Size of base	1990 x 900 mm (78 ¹ / ₂ x 35 ¹ / ₂ ")
Floor space required	3450 x 1660 mm (136 x 65 ¹ / ₂ ")

Weights

Nett approximately	6000 kg (13200 lbs)
Crated approximately	6400 kg (14100 lbs)
Boxed approximately	7700 kg (17000 lbs)