

## Specifications

## Dimensions

	English Machines	Metric Machines
	Inches	mm
<b>Capacity and Spindle</b>		
Width and Length of Work Ground:		
618	6 x 8	150 x 460
818	8 x 18	200 x 460
Height of Work Ground with choice of:		
7" OD x 1 1/4" hole (178mm x 31mm) Wheel with 2 HP (1.5KW) Direct Drive (standard)	19 1/2	495
8" OD x 1 1/4" hole (203mm x 31mm) Wheel with 2HP (1.5KW) Oriflex Drive (additional cost)	19	483
12" OD x 3" hole (300mm x 75mm) Wheel with 2HP (1.5KW) Direct Drive (additional cost)	17	430
Lubrication of Spindle Bearings	Sealed	Sealed
<b>Table</b>		
See Dimensions		
<b>Feeds</b>		
Longitudinal (Table):*		
Hydraulic (feet/meters per minute)	5-100	1.5-30
Maximum Longitudinal Travel	22	560
Handwheel (one revolution moves table):		
Hydraulic	2	50
Hand	2 7/8	70
Optional Hand	2	50
Cross (Spindle Slide Upright):*		
Cross Feed Travel:		
618	7	175
818	9 1/2	240
Adjustable Handwheel Dial reads to	.0002	.0005
Fine Feed Knob reads to	.0001	0.001
Handwheel (one revolution moves upright)	.100	2.00
Vertical (Wheel Spindle Slide):		
Vertical Travel	19 3/4	500
Adjustable Handwheel Dial reads to	.0002	0.005
Fine Feed Knob reads to	.0001	0.001
Handwheel (one revolution moves spindle)	.05	1.0
<b>Lubrication</b>		
Automatic Lubrication	Standard	Standard
<b>Weights and Shipping Data</b>		
	<b>618</b>	<b>818</b>
Net Weight (Approx.) lbs./kg	2475/1114	2545/1144
Domestic Shipping Weight (Approx.) lbs./kg	2775/1249	2845/1279
Foreign Shipping Weight (Approx.) lbs./kg	2975/1339	3045/1369
Dimensions for Shipment (inches)	66 x 59 x 75	66 x 59 x 75
Dimensions for Shipment (centimeters)	168 x 150 x 190	168 x 150 x 190
Space Occupied (cu. ft./cu. meters)	168/4.76	168/4.76

Standard Equipment furnished: Grinding Wheel; Wheel Sleeve and Wrench; Wheel Sleeve Puller; Wheel Truing Fixture; Operation & Maintenance Manual; and Replacement Parts Manual.

\*618 and 818 machines have hydraulic longitudinal feed and hydraulic cross feed. 618H machines have hand longitudinal feed and hand cross feed only. Full hydraulic models have incremental cross feed at each table traverse and continuous traverse feed for wheel truing and rapid positioning.

As Brown & Sharpe is constantly improving the design of its machines, appearance, specifications and dimensions subject to change without notice.

For further information on other Brown & Sharpe Grinding Machine sizes and models, please contact your local representative, or Grinding Machine Sales, Brown & Sharpe Manufacturing Co., Machine Tool Division, Precision Park, N. Kingstown, RI 02852. Phone (401) 886-2700, Telex 92-7771.

