

# BIRMINGHAM

## PRECISION MANUAL SURFACE GRINDERS



**WSG-818**



**WSG-618**

### FEATURES:

- 2 HP WHEEL SPINDLE MOTOR
- FINE GRADUATION ON TRAVELS
- HIGH PRECISION CARTRIDGE WHEEL SPINDLE
- HIGH PRECISION AND SMOOTH ROLLER WAY TABLE
- AUTO LUBRICATION ON LEADSCREWS AND WAYS
- FINE GRAIN HIGH TENSILE CASTING CONSTRUCTION

## SPECIFICATIONS

ITEM / MODEL	WSG-618	WSG-818
Table size	6" x 18"	8" x 18"
Max. grinding length	18 1/2"	19 3/4"
Max. grinding width	6 1/2"	8 1/4"
Max. distance from spindle center to table	15 3/4"	19 3/4"
Max. longitudinal travel	19"	21 5/8"
Max. cross travel	7"	9"
Longitudinal travel per revolution	4 1/8"	3 15/16"
Cross travel per revolution	0.2"	0.2"
Cross travel per graduation	0.0008"	0.0008"
Vertical travel per revolution	0.05"	0.05"
Vertical travel per graduation	0.00025"	0.00025"
Peripheral speed of wheel	110 FT/S	110 FT/S
Spindle speed	3,600 RPM	3,600 RPM
Grinding wheel size	8" x 1/2" x 1 1/4"	8" x 1/2" x 1 1/4"
Spindle motor	2 HP	2 HP
Dust collector motor	1/2 HP	1/2 HP
Coolant pump	0.05 HP	0.05 HP
Lubricating pump	0.02 HP	0.02 HP
Overall dimensions (L x W x H)	55" x 39" x 71"	59" x 47" x 72"
Net weight, LBS	1,600	2,350

*Design and specifications are subject to change without notice.*

### STANDARD EQUIPMENT:

- Grinding wheel
- Grinding wheel flange
- Wheel balance arbor
- Diamond wheel dresser
- Working light system
- Tool box
- Hoisting set
- Leveling pads
- Coolant/Dust system
- Standard permanent magnet chuck

### OPTIONAL ACCESSORIES:

- Fineline magnet chuck
- Electrical magnet chuck with demagnet system

### DISTRIBUTOR: