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# High Precision Surface Grinder

## Supra Series



## Supra 818AHII

### Optional Accessories

- |                   |                               |   |
|-------------------|-------------------------------|---|
| 1. Splash Guard   | 6. Precision Vise             | 11. Permanent Magnetic Chuck                                |
| 2. Halogen Light  | 7. Grinding Wheel             | 12. Dust Suction & Coolant System                           |
| 3. Wheel Flange   | 8. Coolant System             | 13. Chuck Control with Demagnetizer                         |
| 4. Dust Collector | 9. Electro-Magnetic Chuck     | 14. Radius & Angle Forming Attachment                       |
| 5. Punch Former   | 10. Overhead Parallel Dresser | 15. Coolant System with Magnetic Separator and Paper Filter |

# SPECIFICATIONS

MODEL	Supra 818II	Supra 818HII	Supra 818AHII	Supra 818AHRII Supra 818AHDII
<b>Capacity:</b>				
Table sizes	200X460mm [8"x18"]			
Longitudinal	480mm [19"]			
Cross travel	220mm [8.7"]			
Spindle center to table surface	460mm [18"]			
Magnetic chuck sizes	200x450mm [8"x18"]			
Maximum table loading	190kgs [418 lbs]			
<b>Longitudinal Feed:</b>				
Manual travel	530mm [21"]			
Automatic travel	—	510mm [20"]		
Table traverse rate	—	5~25M/min [16~80fpm]		
<b>Cross Feed:</b>				
Manual travel	230mm [9"]			
Automatic travel	—	220mm [8.7"]		
Automatic feed (variable)	—	0.5~10mm [0.02"~0.4"]		
Hand wheel per revolution	5mm [0.1"]			
Hand wheel per graduation	0.02mm [0.0005"]			
Micrometric adjustment per revolution (opt.)	0.1mm [0.005"]			
Micrometric adjustment per graduation (opt.)	0.001mm [0.00005"]			
<b>Vertical Feed:</b>				
Hand wheel per revolution	1mm [0.05"]			
Hand wheel per graduation	0.005mm [0.0001"]			
Micrometric adjustment per revolution (opt.)	0.1mm [0.005"]			
Micrometric adjustment per graduation (opt.)	0.001mm [0.00005"]			
Automatic downfeed (AHDII) per step	—			0.001~0.099mm / 0.0002"~0.05"
<b>Grinding Wheel:</b>				
Grinding wheel sizes	203x12~19x31.75mm [8"x1/2~3/4"x1 1/4"]			
Spindle speed (RPM)	3450 [60Hz] / 2850 [50Hz]			
<b>Motor:</b>				
Spindle motor	3HP			
Hydraulic motor	—	1HP		
Cross feed drive	—	40W		
Vertical feed drive	—			1/5HP
<b>Weight:</b>				
Net weight (Approx.)	820Kgs/1804 lbs	905Kgs/1991 lbs	910Kgs/2002 lbs	920Kgs/2024 lbs
Gross weight (Approx.)	920Kgs/2024 lbs	1005Kgs/2211 lbs	1010Kgs/2222 lbs	1020Kgs/2244 lbs
<b>Packing Dimension (LxWxH) :</b>	1585x1250x1950mm	1585x1250x1950mm	1585x1250x1950mm	1585x1250x1950mm
	62.4"x49.21"x76.77"	62.4"x49.21"x76.77"	62.4"x49.21"x76.77"	62.4"x49.21"x76.77"
<b>Total Rated Horsepower:</b>	4.0HP	5.0HP	5.5HP	6.0HP

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performance of the machine without prior notice. All specifications shown above are for reference only!

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