

1-800-GRAINGER (472-4643)

Surface Grinders

- Noncoolant fed
- 220V, 60 Hz
- 3-phase

All units include grinding wheel, auto lube system, wheel adapter/flange, wheel balancing arbor, work light, and diamond dresser.

Manual 446P01—One V and one flat way for longitudinal travel for high precision grinding. Provides accurate slot grinding by using saddle locking system. Wire rope

movement with double-nut backlash eliminator. Spindle runout accuracy of 0.0001". Working surface is 6" x 18.3".

Automatic 446P09 to 446P14—Ensure accurate alignment of longitudinal and cross movement with one-piece T-base casting. Provides automatic crossfeed with intermittent and continuous mode.

Automatic 446P06 to 446P08—Constructed with two V longitudinal ways and two cross V ways, ensuring accurate alignment between working surfaces.

Mechanical valve controls the motion of table, minimizing vibration when table reaches on end and reverses back.

Automatic 446P02, 446P03, and 446P04—Have double V ways for cross travel (one V and one flat for longitudinal travel), providing automatic table and cross feed. Saddle locking system provides accurate slot grinding. Hydraulic system with oil tank prevents table from vibrating. Working surface from 6" x 18.3" to 8" x 20". 446P04 has a touch screen NC downfeed control.



446P01

Max. Grinding Length	Max. Grinding Width	Grinding Wheel Dia.	Spindle RPM	Crossfeed Handwheel per Revolution	Crossfeed Table Travel	Longitudinal Table Speed	Longitudinal Table Travel	Overall Length	Overall Width	Mr. Model	Item No.
Manual											
12 3/4 in	6 3/4 in	8 in	10,000	0.100"	6 3/4"	196 to 984 in/min	12 3/4"	18 1/2 in	6 5/16 in	SG-618	446P01
Automatic											
12 3/4 in	6 3/4 in	1 in	10,000	0.100"	6 3/4"	196 to 984 in/min	12 3/4"	21 4 5/16 in	8 4 5/16 in	SG-820-2A	446P03
	6 3/4 in	8 in	3600	0.100"	6 3/4"	196 to 984 in/min	12 3/4"	19 4 5/16 in	5 7 5/16 in	SG-618-2A	446P02
	6 3/4 in	8 in	10,000	0.100"	6 3/4"	196 to 984 in/min	12 3/4"	21 4 5/16 in	8 4 5/16 in	SG-820-2AIV	446P04
12 3/4 in	8 1/2 in	1 in	10,000	0.200"	6 3/4"	196 to 984 in/min	24 3/4"	32 in	16 in	SH-1632	446P07
	8 1/2 in	14 in	10,000	0.200"	6 3/4"	196 to 984 in/min	18 3/4"	24 in	12 in	SH-1224	446P06
	8 1/2 in	11 in	10,000	0.200"	11 3/4"	196 to 984 in/min	18 3/4"	40 in	16 in	SH-1640	446P08
	8 1/2 in	1 1/2 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	47 in	20 in	SH-2047	446P09
20 1/2 in	11 in	14 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	60 in	20 in	SH-2060	446P10
	11 in	14 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	47 in	24 in	SH-2447	446P11
	11 in	14 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	60 in	24 in	SH-2460	446P12
	11 in	14 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	87 in	24 in	SH-2487	446P13
	11 in	20 in	10,000	0.200"	11 3/4"	196 to 984 in/min	24 3/4"	80 in	47 in	SHDC-4780	446P14

OD Grinders

- Distance between center: 27 - 1/2"
- Infeed range: 0 to 10"
- Max. Grinding dia.: 10"
- Max. Load between centers: 180 lb.
- Spindle rpm: 10,000
- 3-phase, 220V, 60 Hz

Can grind up to 12" outside dia. And 24", 40", 60", and 80" length work. Equipped with manual operated wheelhead infeed, and hydraulic table feed. Electronic control workhead can be swivel by 90° for CCW and CW grinding operations. Table travels on cushion of oil with no metal-to-metal contact. Automatic lubrication system with dual oil cover, prevents coolant from entering into workhead. 446P15 and 446P6 feature variable speed drive. 446P17 wheelhead feed is manually-operated. 446P18 has auto head infeed.



446P19

Coolant Tank Cap.	Swing	Machine Depth	Machine Width	Machine Height	Includes	Mr. Model	Item No.
21 gal	10 in	54"	87"	74"	(2) Carbide Tip Centers MT3, 5 in Wheel Flange, Auto Lube System, Balancing Arbor, Coolant System, Diamond Dresser with Holder, Grinding Wheel with Flange, Halogen Work Light, Manual Tailstock MT3, Tool Box, Work Head MT3	OD-820-SE	446P15
	10 in	90"	90"	76"	(2) Carbide Tip Centers MT3, 5 in Wheel Flange, Auto Lube System, Balancing Arbor, Coolant System, Diamond Dresser with Holder, Grinding Wheel with Flange, Halogen Work Light, Manual Tailstock MT3, Tool Box, Work Head MT3	OD-1020-HE	446P16
	10 in	89"	119"	80"	(2) Carbide Tip Centers MT4, 5 in Wheel Flange, Balancing Arbor, Coolant Tank, Diamond Dresser and Stand, Grinding Wheel, Infinite Variable Work Head MT4, Manual Tailstock MT4, Tool Box, Wheel Extractor, Work Light	OD-1324-HE	446P17
36.8 gal	10 in	89"	119"	80"	(2) Carbide Tip Centers MT4, 5 in Wheel Flange, Balancing Arbor, Coolant Tank, Diamond Dresser and Stand, Grinding Wheel, Infinite Variable Work Head MT4, Manual Tailstock MT4, Tool Box, Wheel Extractor, Work Light	OD-1324-SE	446P18
	15 in	89"	206"	80"	(2) Carbide Tip Centers MT4, 5 in Wheel Flange, Balancing Arbor, Coolant Tank, Diamond Dresser and Stand, Grinding Wheel, Infinite Variable Work Head MT4, Manual Tailstock MT4, Tool Box, Wheel Extractor, Work Light	OD-1380-HE	446P19

Sanders

DISC

Use for deburring, chamfering, grinding, and finishing large workpieces.

OSCILLATING SPINDLE

Features 1" oscillating action to reduce friction heat, built-in 2" dust port, and 4 nonskid rubber feet. Tilts to 45°.



OSCILLATING BELT

For edge, face, bevel, and contour applications. Oscillating feature reduces heat build-up. Quick-release lever and control dial help track and replace belts. Cast-iron table moves up or down.

DRUM

Patented conveyor belt TRACKERS™ reduce the need for manual belt adjustments.



2RYN9



42W883

HP	Phase	Voltage	Amps AC	Disc Dia. (in.)	Disc Speed (rpm)	Disc Table Size (in.)	Disc Table Tilt-Out Angle (Deg.)	Dust Collection Port Size (in.)	Overall H (in.)	Overall W (in.)	Overall D (in.)	Brand	Mr. Model	Item No.
Disc Sanders														
1/4 hp	1	120	7.5	12 in	1720	17 1/4 x 8 3/8	45°	2	14 3/4 in	17 1/4 in	17 in	Dayton	—	2RYN9
1 1/2 hp	1	115/230	20/10	12 in	1960	12 x 16 3/8	45 Out	4	43 in	17 in	29 in	JET	414602	3WRP7
2 hp	1	115	—	12 in	2375	17 1/4 x 9	45°	4	54 1/2 in	31 1/4 in	24 in	Powermatic	1791291K	45PD10
3 hp	3	460	—	20 in	1100	25 1/2 x 14 1/2	45°	3	54 1/2 in	28 in	30 1/2 in	Baileigh	DG-500	31XU84
3 hp	3	460	—	20 in	1725	27 1/2 x 10 1/2	—	3	53 in	28 in	30 in	JET	577011	42W968
Oscillating Spindle Sander														
0.5 hp	110	7.5	30	14-1/2x14-1/2	—	—	—	—	—	—	—	JET	708404	42W883
Oscillating Belt Edge Sander														
1 1/2 hp	115/230V AC	18/9	108	32 x 7	—	—	—	—	—	—	—	JET	708447	42W971
2	220	—	—	—	—	—	—	—	—	—	—	Baileigh Industrial	ES-6108	45AW32
Drum Sander														
1 1/2 hp	115	—	—	4 in	—	—	—	4 in	25 in	22 1/2 in	39 in	JET	JWDS-1632	53ZC48