



- * INCREASED BELT LIFE – Lower Consumable Costs**
- * VERSATILE – Can Grind Flat & Curved Surfaces**
- * EFFICIENT – 10X Conventional Production Rates**

RGS PLUNGE - RISE & FALL GRINDER SERIES

Specifications:

		RGS 430		RGS 450		RGS 460	
		US	Metric	US	Metric	US	Metric
A	Drive Motor	30 HP	22 kW	50 HP	37 kW	60 HP	45 kW
B	Hydraulic Motor	3 HP	2.2 kW	3 HP	2.2 kW	3 HP	2.2 kW
C	Overall Width	50 in	1270 mm	57 in	1450 mm	57 in	1450 mm
D	Overall Depth	70 in	1778 mm	70 in	1778 mm	70 in	1778 mm
E	Overall Height	82 in	2083 mm	82 in	2083 mm	82 in	2083 mm
F	Spindle Diameter	2 9/16 in	65mm	2 9/16 in	65mm	2 9/16 in	65mm
G	Contact Wheel Diameter	20 in	508 mm	20 in	508 mm	20 in	508 mm
H	Belt Width	4 in	102 mm	6 in	152 mm	6 in	152 mm
I	Belt Length	132 in	3350 mm	132 in	3350 mm	132 in	3350 mm
J	Feed Table Tee Slot	1/2 in	12 mm	1/2 in	12 mm	1/2 in	12 mm
K	Machine Weight (approx)	4800 lbs	2182 kg	5240 lbs	2380 kg	5390 lbs	2450 kg
L	Max. ingate removal area (stainless steel)	2 in ²	1290mm ²	3.3 in ²	2130mm ²	4 in ²	2580mm ²

Design Features:

- **Operator Interface Panel**

displays operating modes, machine alarms, and maintenance alarms
allows for digital input of operating parameters including:

- **Grind Rate**

adjustable feed table speed for optimum grind rate

- **Grind Depth**

control the distance from the contact wheel that the machine slows to Grind Rate

- **Belt Oscillation**

control the belt oscillation distance for full use of the abrasive belt surface

- **Incremental Feed**

for removal of large gates

allows machine to make small cuts instead of straight plunge to depth

- **Spark Out Cycles**

determines the amount of times the table does a rise and fall motion from 0 - 5

this feature allows for removal of burnishing on the casting

- **Cycle Counter**

programmable for number of parts per cycle to give an accurate count of parts finished

- **Three Modes of Operation**

manual for quick setup

automatic for flat gates

automatic - circular grind for curved gates

- **Electronic Belt Tracking Control**

selector switch control of belt tracking for ease in setup

- **Hydraulic Belt Tensioning and Spindle Brake**

machine is fully hydraulic, no pneumatic supply is needed, add power, oil, and go!

- **Tee Slotted Feed Table**

allows for rapid changeover of grinding fixtures

- **Ammeter**

indicates overloading or belt wear

A.W. Bell Machinery P/L reserves the right to change specifications without notice

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