



SUPREMA-P

SUPREMA-P Pneumatic Valve Seat Milling Machine -

VALVE SEAT MILLING MACHINE

 **MADE IN BRAZIL**



OTHER VIEWS



Standard accessory — Aluminum engine cylinder head mounted on SUPREMA-P milling machine table for valve seat resurfacing



Standard accessory — Pneumatic tool spindle milling valve seat in cylinder head on SUPREMA-P machine

SUPREMA-P pneumatic boring machine for valve seat machining $\varnothing 0.71$ -2.36 inches (18-60MM) on cylinder heads. Variable motor 20-80RPM with 87 PSI (6 Bar) compressed air ensures precision and superior finish



Technical Specifications

CAPACITY

Max. Length x Width □ cylinder head to fixed under the table **45.9/32" x 17.3/4"**

Valve seat - Boring - min. ~ max. diameter **Ø 3/4" ~ Ø 2.3/8"**

Distance between the base of support of the cylinder head and the mordant **9.1/16"**

Maximum inclination of the mordant **12°**

WORKING SPINDLE

Compressed Air Required for Operation **6 Bar / 87.02 PSI**

Rotation transmission motor **by compressed air**

RPM - Pneumatic Motor tire of variable speed **20 ~ 80 rpm**

Pneumatic Motor: Consumption **4.5767.8 in³/minute**

Pneumatic motor: Potency - minimum / maximum **132.76 / 442.537 lbf.in**

SPINDLE

Spindle Advancement **9/16"**

Column advancement spindle **5.1/8"**

Power of Magnetic **0.018 kw**

Spindle fixation **electromagnetic**

TOOL GRINDER

Electric Motor - 220 volts - 60 hz - 3 ph **0.186 kw**

Diameter grinding wheel **Ø 2.3/4"**

ELECTRIC POWER

Normal electric power **220 volts - 60 hz - 3 ph**

Motor power **0.23 kw**

DIMENSIONS - WEIGHT

Machine Dimensions (Length x Width x Height) **63" x 31" x 85"**

DIMENSIONS - WEIGHT (CONT.)

Running Machine Dimensions (Length x Width x Height) **63" x 31" x 85"**

Maritime packing (Length x Width x Height) **67" x 39,3" x 89"**

Net - Gross Approx. weight **882 lb / 1.102 lb**

STANDARD ACCESSORIES

- 02 Plates doubled for Cylinder head with inclined base
- 03 Tool Holders for Boring:
 - N° 2000 diameters Ø 45/64" ~ 1.23/128"
 - N° 2001 diameters Ø 55/64" ~ 1.73/128"
 - N° 2002 diameters Ø 1.63/128" ~ 2.23/64"
- 06 Tools for Valve Seat Boring:
 - 315 - 320 - 415 - 420 - 23001 - 47002
- 11 Template Axis Guides - diameter in mm:
 - Ø 6.98 - Ø 7.00 - Ø 7.96 - Ø 7.98 -
 - Ø 8.00 - Ø 8.69 - Ø 8.99 - Ø 9.00 -
 - Ø 9.51 - Ø 9.99 - Ø 10.97
- 01 Tool Grinder 0.25 cv - 0.186 kw
- 01 Tool's device
- 01 Vacuum Measurer Installed in the machine with 05 rubbers
- 04 Allen Tools: 2mm - 3mm - 3/8" - 5/16"
- 01 Clutch tool T-9
- 01 Regulator of Pressure Installed in the Machine

OPTIONAL ACCESSORIES

- Tools for Valve Seat Boring - 20° - 30° - 45° - 90°
- Extra Tool Holder for Boring: N° 2000 - N° 2001 - N° 2002
- Extra Axis guides
- Device with micrometers to measure the diameter milling



Technical Specifications (continued)

OPTIONAL ACCESSORIES (CONT.)

- Kit Multi-valve for milling diameter 9/16" ~ 7/8"
- Stone for sharpening tools
- Technicals specifications subjected to change.

Specifications subject to change without notice. Some capacities listed may require optional accessories. Confirm exact dimensions during quotation.

ACCESSORIES, FIXTURES AND DETAILS

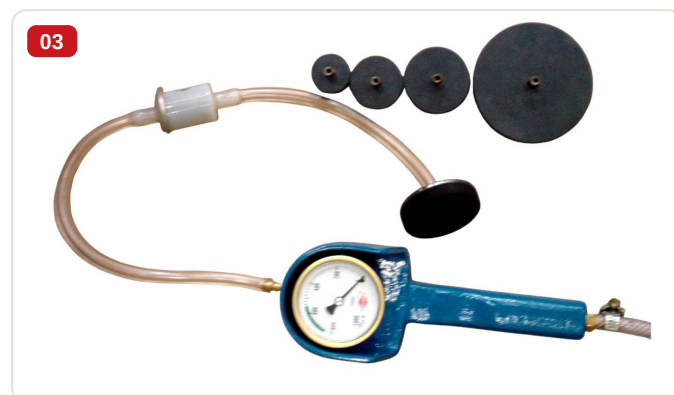


Standard accessory — Pneumatic motor with tool spindle of SUPREMA-P boring machine for valve seat milling



Standard accessory — Complete accessory kit for SUPREMA-P milling machine with bent plates, hardened pilot shafts and cutting tools

ACCESSORIES, FIXTURES AND DETAILS (CONT.)



Standard accessory — Vacuum pump with gauge and seals for cylinder head clamping on SUPREMA-P milling machine



Detail — Pneumatic system with Parker regulator, pressure gauge and air filter for 87 PSI (6 bar) compressed air supply