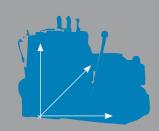
VG // Valve Grinding machine



	VG19	VGX
WORKING CAPACITY		
Min. and max. valve stem diameter admitted	4-16 mm	6-16 mm
Max. valve head dia. admitted	90 mm	90 mm
GEOMETRIC FEATURES		
Grinding angle	15 °-60 °	15 °-60 °
Grinding wheel diameter	150 mm	180 mm
Diameter of the straight-cup grinding wheel		80 mm
SPEEDS AND POWERS		
Grinding wheel rotation speed	2800 RPM	0-2800 RPM (variabile)
Spindle motor speed	0-55 RPM	0-55 RPM (variabile)
Grinding wheel motor power	0,18 KW	0,18 KW
Spindle motor power	0,12 KW	0,11 KW
Pump power	0,005 KW	0,005 KW

AZ spa MACHINE TOOLS

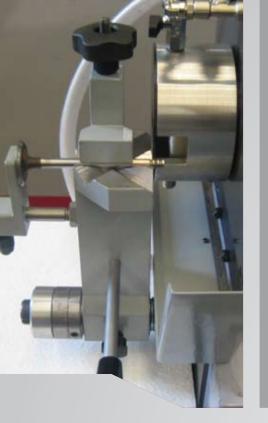


	VG19	VGX
Dimensions without packing	800x780x670 mm	820x780x670 mm
Height with base	1180 mm	1100 mm
Weight	70 kg	70 kg

WWW.AZSPA.IT







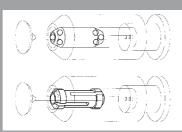
VGX - NEW MODEL

Variable speed of grinding wheel Valve headstock adjustement from 15 to 60 Valve clamping by a collet V-ways and valve stop for repeatible valve stem butt

Coolant flow adjusting by valve

rent valve clamping system:

A: Optional ball chucks available





VG19

The AZ VG 19 Valve refacing machine is designed for seve-

Besides refacing the valve head, it can also recondition the

By means of special subsidiary tools, it can may also reface rocker shoes. The machine is easy to operate, has a stiff guides, which make it possible to adjust the clearance.

The transverse carriage - serving to approach the workpiece - is driven by the handwheel, whereas the longitudinal carriage - serving to feed the workpiece - is driven by rod with adjustable stroke.

60°. The valve is clamped in the head stock by means of expansible collets which ensure maximum stiffness and best centering of the valve and high precision operations.

The standard machine is equipped with coolant attachment with gear pump and settling tank, incorporated in the





















Grinding rockers arm

Collet

Collet for short valves Steel sheet base

Cup grinding wheel

Diamond and rest

VG19 **STANDARD**

Coolant system Collet from 6 to 9 mm. dia. Collet from 9 to 12 mm. dia. Collet from 12 to 16 mm. dia. Support for diamond holder (diamond excluded) Grinding wheel 150x12x25 mm. dia. Service tools Operating manual

OPTIONAL

mm diameter

AZ392 5 liters of special cutting oil AZ411 Diamond and rest 0.40 kt AZ659 Collet for short valves 4 mm diameter AZ660 Collet for short valves 5 mm diameter AZ661 Collet for short valves 5,5

AZ662 Collet for short valves 6 mm, dia AZ663 Collet for short valves 7 mm. dia AZ664 Collet for short valves 8 mm dia AZ665 Collet for short valves 9 mm dia AZ666 Collet for short valves 10 mm. dia AZ865 Grinding rockers arm device AZ866 Steel sheet base



VGX

STANDARD

Variable speed of valve spindle Adjustable grinding wheel speed system Grinding wheel 180x12x32 mm Cup grinding wheel 80x30x15mm Support for diamond holder (diamond excluded) Support for grinding valve's stem Coolant system Service tools

RECOMMENDED

to 14 mm (2 pieces)

Operating manual

AZ667 3 collets system for valves with dia. 6-16 mm. AZ668 Ball chuck system for valves dia. 4

OPTIONAL

AZ392 5 liters of special cutting oil AZ411 Diamond and rest 0,40 kt AZ659 Collet for short valves 4 mm diameter

AZ660 Collet for short valves 5 mm dia AZ661 Collet for short valves 5.5 mm dia AZ662 Collet for short valves 6 mm. dia. AZ663 Collet for short valves 7 mm. dia AZ664 Collet for short valves 8 mm dia AZ665 Collet for short valves 9 mm dia AZ666 Collet for short valves 10 mm. dia AZ865 Grinding rockers arm device AZ866 Steel sheet base