

CNC Boring Machines FV – FVM



FV 301



FV 101



MAUSA

CNC Boring Machines FV – FVM

		T Type	Floor Type		
Basic Technical Data	Unit	FV 101	FVM 100 FVM 101	FV 301	FVM 501
Transverse Stroke, X - Axis	mm (Inch)	3,000 - 6,000 (118"-236")	3,000 (118") - Limitless	6,000 (236") - Limitless	
Vertical Stroke, Y - Axis		2,000 - 3,500 (78" – 138")	2,000 - 2,500 (78" – 98")	3,000 - 5,000 (118 – 197")	5,000 - 8,000 (197 – 315")
Longitudinal Stroke, Z - Axis		2,500 - 5,000 (98" – 197") (column)	1,250 (49.2") (RAM)	1,500 (59") (RAM)	
Longitudinal, W - Axis		700 / 900 (27.5" – 35.4")	700 (27.5")	900 (35.4")	1,000 / 1,200 (39" – 47.2")
Spindle Diameter		130 / 160 (5.1"/6.3")	130 (5.1")	160 (6.3")	180 / 200 (7" /7.87")
Longitudinal Stroke, V - Axis		1,500 (50") (RAM)	1,000 - 6,000 (39.4" – 236") (Table)		
S1 Power (100% cycle)	kW/ (Hp)	37 - 64 (27.6Hp – 85.5Hp)			80 – 100 (107Hp – 134Hp)
S6 Power (40% cycle)		56 – 94 (75Hp – 126Hp)			117 – 147 (157Hp – 197Hp)
Maximum Spindle Rotation	rpm	3,000 - 4,000	4,000	3,500	3,000
Maximum Spindle Rotation (Milling Version)		3,000 - 5,000 - Optional 6,000 (versions with electro mandrill up to 45,000)			
Rapid Axis Advances (X, Y, Z)	m/min (ipm)	35 (1,378 ipm)	35 (1,378 ipm)	28 (1,102 ipm)	25 (984 ipm)
Turn Table Load Capacity	t	10 – 60 (20,000lbs -120,000 lbs)		10 – 200 (20,000lbs – 400,000lbs)	
Turn Table Surface	m	1.6 x 2.0 - 3.0 x 3.0 (63" x 78.7" – 118" x 118")		1.6 x 2.0 - 5.0 x 5.0 (63" x 78.7" – 197" x 197")	
Support System of B - Axis (Table)	Hydrostatic				

- High precision, the most advanced technology in boring machines
- Concept "Box in Box", with column in monolithic gantry and front and rear head support/ RAM guides
- Optimal combination of linear guides with hydrostatic guides

- Double ball screw system on the vertical axis
- Correction of the RAM set drop
- Thermal stability with high rotation and cutting speed
- Meets NR 12 and all its ramifications

Contact us for more information

Mausa SA Equipment Industrials is a manufacturer of Medium and large tools, Milling Boring Machines, whose size and variations define its manufacturing worldwide custom format. That is, from the development of the scope with the interested party (buyer), with a view to the specific machining needs of the process in question.



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