



S 2300

Vertical Hobbing Machine

STANDARD MACHINE SPECIFICATIONS

CNC Vertical Hobbing Hobbing Machine six (6 axes) for wet/dry hobbing of spur and helical gears in one or more cuts via axial, radial/axial, tangential, diagonal hobbing technology with HSS or Carbide hobs.

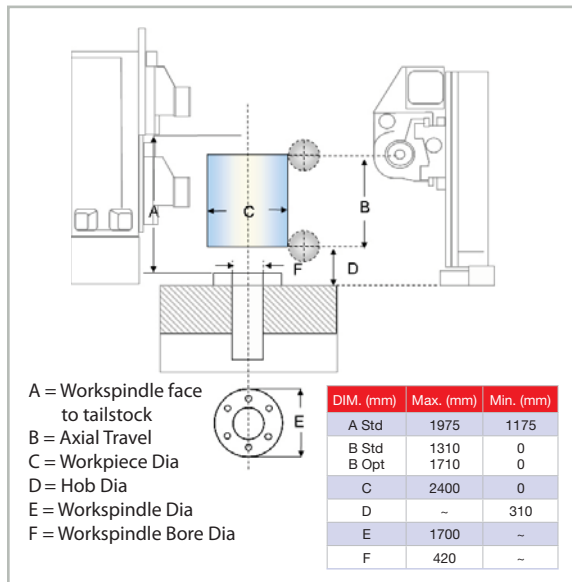
Technical Data - Capacities & Limits	
Nominal Workpiece Diameter	2400 mm
Maximum Module - Hobbing	24 mm
Maximum Module - Side Milling, Single Indexing	24 mm
Maximum Axial Cutting Length	1000/1410 mm
Maximum Hob Diameter	450 mm
Maximum Hob Length	500 mm
Maximum Hob Swivel	+/- 50°
Maximum Hob Shift	500 mm
Hob Speed Range (RPM)	250 (320)
Workspindle Maximum Speed (RPM)	6
Hob Drive Power	46 kw
Width (Approximate)	7400 mm
Height (Approximate)	6000 mm
Length (Approximate)	4000 mm
Weight (Approximate Net)	32000 kg

Technical data is subject to change without notice and may vary according to the workpiece geometry, the loading system and the workholding equipment supplied.



VERTICAL HOBBIING

WORKING RANGE CAPACITY



S 2300

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Standard Equipment	
Description	
Thermal stabilised machine bed and worktable unit in split design	
Hobbing head: 46 kw	
Hob spindle: 25-250 1/min	
Max. torque: 3.800 nm	
Hob arbour location taper SK 60	
Cylindrical counter bearing	
Worktable speed 0.01 - 8 1/min	
Max. worktable load 120 kn	
Hydrostatic table bearing with oil cooling unit	
Control: Sinumerik 840 D	
Floppy disk drive 3.5"	
Hand operating panel with electronic hand wheel	
Samputensili dialogue software (metric or in inches)	
Parallel programming	
Emergency protection device for quick withdrawal of tool	
Skipping of max. 2 defective hob sections during shifting	
3-colours signal lamp	
Working area lighting	
Electric cabinet lighting and air conditioning	
Standard painting RAL 9010/5010	
Chip disposal for steel with external chip conveyor	
Connecting pipe diameter for exhauster D=300 mm	
2 set documentation in German or English on CD	
Certificate of EEC conformity	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Hob spindle speed range: 32-320 1/min	
Workpiece table speed range: 0,08-32 1/min	
Workpiece table speed range: 0,05-50 1/min	
Counter column with hydraulically clamped slide and steady rest	
Counter column with hydraulically clamped slide and tailstock arm	
Extension of main column to 1400 mm axial travel	
Extension of tailstock slide travel to 1150 mm	
Hydraulic clamping of axial slide	
Hydraulic column clamping	
Hydraulic workpiece clamping device	
Coolant flow controller	
Chip disposal equipment for short chip machining	
Chip disposal equipment for non-magnetic materials	
Chip disposal through workpiece table bore for internal gears	
Optional chip disposal equipment	
Vacuum and oil mist separator (5000 m³/h)	
Oil cooling unit with or without a heater	
Linear measurement system for the radial axis	
Automatic door opening device	
Automatic workpiece centring equipment	
Remote diagnosis system via modem or internet	
Special machine painting	
Flushing pistol	
Customized/special technical specifications	
Interface for recording operating data	
Optional Equipment Total (\$):	

Total Cost:	
Standard Equipment Total (\$):	
Optional Equipment Total (\$):	
TOTAL (\$):	

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