



600H SERIES II

B&K CNC Horizontal Hobbing Machine

HORIZONTAL HOBBING

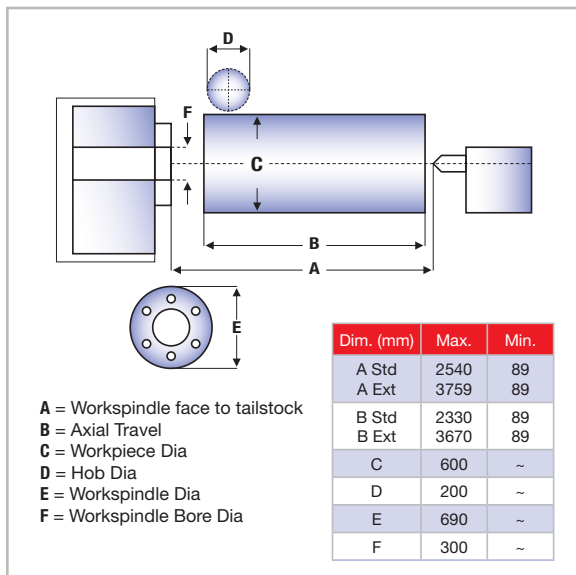
STANDARD MACHINE SPECIFICATIONS

The Bourn & Koch 600H is a six (6) axis CNC Horizontal Hobbing/Milling Machine for hobbing spur and helical gears, splines, and threads (to 45°) on cylindrical blanks or shafts. It is practical to hob and/or mill more than one component sequentially if multiple components exist on a shaft.



Technical Data - Capacities & Limits	
Nominal Workpiece Diameter	600 mm
Maximum Module	12.5 mod
Maximum Axial Cutting Length	2330 mm
Maximum Hob Diameter	200 mm
Maximum Hob Length	250 mm
Maximum Hob Swivel	+/- 45°
Maximum Hob Shift	210 mm
Hob Speed Range (RPM)	30-300
Workspindle Maximum Speed (RPM)	18
Hob Drive Power	15 kw
Width (Approximate)	3276 mm
Height (Approximate)	2700 mm
Length (Approximate)	6706 mm
Weight (Approximate Net)	17272 kg

Actual machine W-H-L and Weight depend on ordered configuration. Technical data is subject to change without notice and may vary according to the workpiece geometry, the loading system and the workholding equipment supplied.





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Standard Equipment	
Description	
Base machine with GE Fanuc 16i CNC control	
Wired for 460 volts, 3 phase, 60 Hz	
Anti friction hardened and ground ways	
Way covers for Z axis and tail center	
CNC programmable hob swivel setting	
Manual grease lubrications to all bearing surfaces	
Electrical panel to AMT and ANSI-NFPA 79 Codes	
Wet or dry cutting, with coolant tank/pump assembly	
B axis - hob servo motor	
C axis - work spindle servo motor	
X axis - radial feed servo motor	
Y axis - tangential/hob shift servo motor	
Z axis - axial feed servo motor	
A axis - hob swivel	
Automatic single and double cut cycles	
Speed and feed change between cuts	
Crown hobbing cycle	
Taper hobbing cycle	
Radial and tangential feed wormgear cycles	
Operator friendly data entry HMI screens	
Machine painted one standard color	
Selectable number of cuts	
Work light	
Programmable, multi-surface cutting capability	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Handheld pendant	
Heavy duty hydraulic operated tailstock with 2.0" bull nose center	
Extended (HE) bed to 3760 mm (148") axial cutting length	
Extended (HE) bed to 4572 mm (180") axial cutting length	
Extended (HE) bed to 5080 mm (200") axial cutting length	
Extended (HE) bed to 7212 mm (280") axial cutting length	
Adjustable loading cradle	
Rotary deburring attachment, for gear deburring at hob exit of cut	
Hydraulic work clamp cylinder assembly	
Collet chuck assembly	
Set of levelling wedges	
Chiller unit for coolant system	
Traveling control panel, splash guard	
Magnetic chip separator	
Full enclosure	
Mist collector assembly	
Quick change hob arbor clamping assembly	
Hob arbors in inch or metric design	
Special cycle executions	
Optional Equipment Total (\$):	

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

Submit a QUICK QUOTE Request



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