



600H SERIES II

B&K CNC Horizontal Hobbing Machine

HORIZONTAL HOBBING

STANDARD MACHINE SPECIFICATIONS

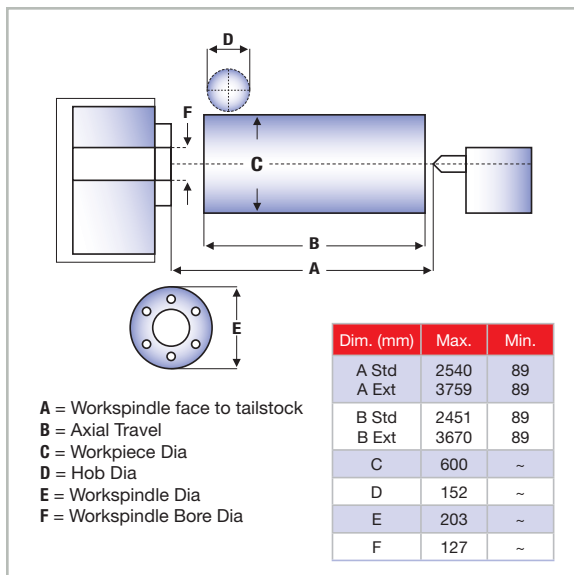
The Bourn & Koch 600H is a six (6) axis CNC Horizontal Hobbing/Milling Machine for hobbing spur and helical gears, splines, and threads on cylindrical blanks or shafts. It is practical to hob and/or mill more than one component sequentially if multiple components exist on a shaft.



Technical Data - Capacities & Limits

Nominal Workpiece Diameter	600 mm
Maximum Module	6.4 mod
Maximum Axial Cutting Length	2540 mm
Maximum Hob Diameter	152 mm
Maximum Hob Length	177 mm
Maximum Hob Swivel	+/- 45°
Maximum Hob Shift	152 mm
Hob Speed Range (RPM)	30-300
Workspindle Maximum Speed (RPM)	18
Hob Drive Power	7.5 kw
Width (Approximate)	3276 mm
Height (Approximate)	2489 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	
Steel 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 (\$)	
Standard Equipment Total (\$):	

Optional Equipment	
Description	Price (\$)
Handheld pendant	
Heavy duty hydraulic operated tailstock with 4.5" bull nose center	
Optional 2.5 DP hob head with 8" hob shift	
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	
Coolant sensor guard	
Rotary deburring attachment, for gear deburring at hob exit of cut	
Hydraulic work clamp cylinder assembly	
Collet chuck assembly	
Set of leveling wedges	
Chiller unit for coolant system	
Traveling control panel, splash guard	
Magnetic chip separator	
Full enclosure for "no leaks" machine (in lieu of standard)	
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
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