



GMC HEAVY DUTY GAP BED LATHES

6-1/4" large spindle bore

Model # GML-4080HLB6, 40"x 80", 6-1/4" spindle bore, 20HP, 220/440V, 3PH.
Model # GML-40120HLB6, 40"x 120", 6-1/4" spindle bore, 20HP, 220/440V, 3PH.
Model # GML-40180HLB6, 40"x 180", 6-1/4" spindle bore, 20HP, 220/440V, 3PH.
Model # GML-40240HLB6, 40"x 240", 6-1/4" spindle bore, 20HP, 220/440V, 3PH.

H means HD, LHB6 means large bore 6-1/4"

Standard Features:

- ISO 9001 certified
- Large spindle bore 6 -1/4"
- Heavy Duty spindle D1-11
- **Heavy Duty guideway width 24"**
- **Heavy Duty main motor 20 HP**
- 18 spindle speeds from 9 to 691 rpm
- 32 kinds of inch threads, and 53 kinds of metric threads
- Threading and feeding rate change without changing gears
- 4-way rapid traverse to carriage and cross slide
- Spindle is balanced, hardened and precision ground
- Spindle is supported at 3-point by high precision bearings
- All gears and shafts are hardened and precision ground
- Guideways induction hardened and precision ground
- Automatic lubrication system in headstock and feed box
- Adjustable hydraulic clutch for spindle turning and brake
- Power 220V /208V , 3 phase, 60 HZ (440V /460V is optional)
- One year industrial warranty for parts

-

Specifications:	GML4060HLB6	GML4080HLB6	GML40120HLB6	GML40180HLB6	GML40240HLB6
Max. swing over bed	40-9/16"	40-9/16"	40-9/16"	40-9/16"	40-9/16"
Max. length of workpiece	60"	80"	120"	180"	240"
Max. swing over cross slide	27-9/16"	27-9/16"	27-9/16"	27-9/16"	27-9/16"
Max. Swing in gap	47-1/4"	47-1/4"	47-1/4"	47-1/4"	47-1/4"
Width of Bed	24" very wide bed				
Effective length in gap to spindle	15"				
Effective length in gap to chuck	9"				
Spindle bore	6 1/4", D1-11				
Taper of spindle center	M.T.# 5				
Spindle speeds	9 – 691 rpm / 18 steps				
Longitudinal feeds	0.0027-0.66 IPR, 64 kinds				
Cross feeds	0.00157-0.378 IPR, 64 kinds				
Inch threads	32-1TPI, 32 kinds				
Metric threads	1-240 mm , 53 kinds				
Module threads	0.25-60 mm, 47 kinds				
Diametral pitch threads	60 – 1/2 DP , 47 kinds				
Max. travel of top slide	8-7/8"				
Max. travel of cross slide	24-3/16"				
Longitudinal rapid travel speed	126" / min.				
Cross slide rapid travel speed	75" / min.				
Diameter of tailstock quill	4-3/4"				
Max. travel of tailstock quill	10-5/8"				
Taper of tailstock quill center	M.T. # 6				
Max. workpiece weight	6,000 LBS				
Main motor	20 HP, 220V or 440V, 3 phase, prewired on 220V				
Rapid traverse motor	2 HP, 220 or 440V, 3 phase, prewired on 220V				
Coolant pump motor	1/8 HP, 220V or 440V, 3 phase, prewired on 220V				
Machine weight, approx., LBS	14,100	15,100	16,100	18,100	21,500
Overall dimensions, LxWxH	152x69x81	171x69x81	204x69x81	263x69x81	327x69x81

Standard Free Equipment:

- 20" 3-jaw chuck with top reversible jaws
- 25" 4-jaw chuck
- 31 ½" Face plate
- 12" drive plate
- 20" large steady rest
- Follow rest
- Removeable gap
- 4-way toolpost
- Foot brake
- Work light and coolant system
- Section splash guard on rear of carriage
- (2) dead centers and (1) reducing sleeve
- Thread chasing dial
- 4-way rapid traverse on carriage
- tool box

Optional Equipment:

- Taper attachment, 30" travel, # TA-40H.
- 6pc set quick change tool post set.
- 18" -28" large steady rest with roller jaws.
- DRO for GML-4080HLB6, SINO,# SINO-2080, 2 axis.
- DRO for #GML-4080HLB6,NEWALL#NW2080, 2 axis.
- DRO for #GML-40120HLB6,NEWALL#NW20120, 2 axis.
- DRO for #GM-40180HLB6,NEWALL#NW20160,2 axis.
- DRO for #GML-40240HLB6,NEWALL#NW20240,2 axis.

The picture for Lathe model # GML-40180HLB6 is shown below

