

GMC HEAVY DUTY PRECISION GAP BED LATHES

Model # GML-1640HD and # GML-1660HD

2-1/16" LARGE SPINDLE BORE

Lathe # GML-1640HD, 14" x 40", 2-1/16" bore, 6 HP.....

Lathe # GML-1660HD, 16" x 60", 2-1/16" bore, 6 HP.....

With free taper attachment and free SINO DRO installed

Machine Standard Features and Equipment:

- **ISO 9001 certified**
- **Large spindle bore 2-1/16"**
- **Heavy Duty spindle D1-6**
- **One-piece solid cast iron machine base**
- **Heavy Duty guideway width 10-1/4"**
- **Heavy Duty main motor 6 HP**
- **16 spindle speeds from 45-1,800 rpm, speeds:**
45/70/90/108/140/165/215/255/330/385/510/585/770/900/1170/1800rpm
- **45 kinds of inch threads, and 39 kinds of metric threads**
- **Threading and feeding rate change without changing gears**
- **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**
- **One year industrial warranty for parts**

Heavy Duty Gap Bed Lathes Specifications

	GML-1640HD	GML-1660HD
Max. swing over bed	16-1/16"	16-1/16"
Max. length of workpiece	40"	60"
Max. swing over cross slide	10-1/4"	10-1/4"
Max. Swing in gap	23-1/4"	23-1/4"
Width of Bed	10-1/4"	
Effective length in gap to spindle	8-1/2"	
Effective length in gap to chuck jaws	3-1/2"	
Spindle bore	2-1/16" , D1-6	
Taper of spindle center	M.T.# 6 (with MT6/MT4 sleeve)	
Spindle speeds	45-1,800 rpm / 16 steps	
Longitudinal feeds	0.0018-0.07 IPR, 42 kinds	
Cross feeds	0.0009-0.03 IPR, 42 kinds	
Inch threads	70-2 TPI, 45 kinds	
Metric threads	0.2-14 mm , 39 kinds	
Module threads	0.3-3.6 mm, 18 kinds	
Diametral pitch threads	8-40 DP , 21 kinds	
Max. travel of top slide	4-1/4"	
Max. travel of cross slide	8-1/2"	
Spindle length w/o chuck	20-1/2"	
Leadscrew length X TPI	1-1/4" x 4 TPI	
Diameter of tailstock quill	2-1/16"	
Max. travel of tailstock quill	5"	
Taper of tailstock quill center	M.T. # 4	
Main motor	6 HP, 220V only, 3 phase	
Coolant pump motor	1/8 HP, 220V only, 3 phase	
Net weight, approx.	4,150 LBS	4,850 LBS
Overall dimensions, LxWxH	79" x 38" x 56"	100" x 38" x 56"

Standard Equipment (free) for Heavy Duty Lathes # GML-1640HD and # GML-1660HD:

- Free SINO DRO installed
- Free Taper turning attachment, , installed
- **Metal chuck guard with safety shut down when lifting chuck guard**
- 8" 3-jaw chuck with one set of reversible jaws
- 10" 4-jaw chuck
- 12" Face plate
- 5 1/2" large steady rest with roller jaws
- Oil pump on Apron for all guideways and leadscrews

- 2" follow rest
- Removeable gap
- 4-way tools post
- Foot brake
- Halogen Work light and coolant system
- Full length splash guard
- (2) dead centers and (1) reducing sleeve MT6/MT4
- Thread chasing dial
- Tool box and leveling pads

Optional Equipment for Heavy Duty Lathes

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| • Micro Carriage Stop # MCS-GML-1660HD..... | \$ |
| • DRO # SINO # SINO 840 for GML-1640HD, free install | \$ |
| • DRO # SINO # SINO 860 for GML-1660HD, free install | \$ |
| • 5-C Hand lever type collet closer# 5C-1660HD, free install | \$ |
| • 33 pc 5C collet set, from 1/16 to 1-1/16" by 32ndth, # 900-0014.. | \$ |
| • ALORIS type QC tool post set # 900-0051-300, 6 pcs | \$ |
| • Live Center # 900-0050-04 | \$ |
| • 5pc Indexable carbide turning set # 2003-0004 | \$ |
| • 3/8" carbide insert # 2003-0014 | \$ |
| • Lathe package 1 # GMCLSUP101, incl 5pc indexable carbide
turning set # 2003-0004, ½ drill chuck # 700-0102, Chuck arbor # MT4
and 29pc Titanium drill bit set #5000-0001T | \$ |

