



**“GMC” HIGH SPEED PRECISION GAP BED LATHES**  
**Model # GT-1840DB and # GT-1860DB**  
**3-1/16” LARGE SPINDLE BORE**

**“GMC” Lathe # GT-1840DB, 18” x 40”, 3-1/16” bore, 7-1/2 HP, 220/440V, 3PH.**

**“GMC” Lathe # GT-1860DB, 18” x 60”, 3-1/16” bore, 7-1/2HP, 220/440V, 3PH.**

**Come with free taper attachment installed**

**Machine Standard Features and Equipment:**

- **ISO 9001 certified**
- **Large spindle bore 3-1/16”**
- **Heavy Duty spindle D1-8**
- **One-piece solid cast iron machine base**
- **Heavy Duty guideway width 11 13/16”**
- **Heavy Duty main motor 7.5HP**  
12 spindle speeds from 24-1,600 rpm, speeds: 24/ 32/ 55/ 70 / 95/ 160 / 240/ 320/  
550 / 700 / 950 / 1,600 rpm
- **40 kinds of inch threads, and 53 kinds of metric threads**
- **Threading and feeding rate change without changing gears**
- **Automatic kick-out longitudinal carriage stop system**
- **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 warranty for parts**

“GMC” Heavy Duty Gap Bed Lathes Specifications

	GT-1840DB	GT-1860DB
Max. swing over bed	18”	
Max. length of workpiece	40”	60”
Max. swing over cross slide	11-5/16”	
Max. Swing in gap	25 3/16”	
Width of Bed	<b>11 13/16”</b>	
Effective length in gap to spindle	10 1/4”	
Effective length in gap to chuck jaws	3”	
Spindle bore	<b>3-1/16” , D1-8</b>	
Taper of spindle center	M.T.# 6	
Spindle speeds	24-1,600 rpm / 12 steps 24/32/55/70/95/160/240/320/550/700/950/1600 rpm	
Longitudinal feeds	0.0012-0.0252 IPR, 42 kinds	
Cross feeds	0.0006-0.0126 IPR, 42 kinds	
Inch threads	56.2 TPI, 40 kinds 56,52,48,46,44,40,36,32,28,26,24,23,22,20,18,16,14, 13,12, 11-1/2, 11, 10, 9,8,7,6-1/2, 6, 5-3/4, 5-1/2, 5, 4-1/2, 4, 3-1/2, 3-1/4, 3, 2-7/8, 2-3/4, 2-1/2, 2-1/4, 2	
Metric threads	0.4-14 mm , 53 kinds	
Module threads	0.4-7 mm, 32 kinds	
Diametral pitch threads	32-4 DP , 32 kinds	
Max. travel of top slide	5”	
Max. travel of cross slide	12”	
4-way tool post size	1” x 1”	
Longitudinal leadscrew diameter / pitch	1-1/2” / 4 PTI	
Max. weight of workpiece	800 LBS	
Max. travel of tailstock quill	4-3/4”	
Diameter of tailstock quill	2-1/8”	
Taper of tailsotck quill center	M.T. # 4	
Main motor	7.5 HP, 220V/440V, 3 phase, prewired on 220V	
Coolant pump motor	1/8 HP, 220V/440V, 3 phase, prewired on 220V	
Net weight, approx.	5,450 LBS	5,950 LBS
Overall dimensions, LxWxH	88” x 41” x 58”	108” x 41” x 58”

### **Standard Equipment (free) for Lathes # GT-1840DB and # GT-1860DB:**

- [Free Taper turning attachment, , installed](#)
- 10" 3-jaws chuck with set reversible jaws
- 12" 4-jaws chuck with set reversible jaws
- 16" Face plate
- 10" drive plate
- 5 1/2" large steady rest
- 3" follow rest
- Removable gap
- 4-way tools post
- Foot brake
- Work light and coolant system
- Manual Lube pump on apron for all guideways
- Automatic kick-out longitudinal carriage stop system
- Full length splash guard
- (2) dead centers and (1) reducing sleeve
- Thread chasing dial
- Tool box

### **Optional Equipment for Heavy Duty Lathes**

- Micro Carriage Stop (turret type).
- DRO for # 1840, NEWALL (England), 2 axis.
- DRO for # 1860, NEWALL (England), 2 axis.
- OEM DRO for 1840DB, glass scales, 0.0001" solution .
- OEM DRO for 1860DB, glass scales, 0.0001" solution .
- 5-C Hand lever type collet closer.
- 33 pc 5C collet set, from 1/16"-1-1/16" by 32<sup>nd</sup>, Part# 900-0014.
- Taper turning attachment.
- China ALORIS type QC tool post set # 900-0051-300, 6 pcs .
- Live center for tailstock, MT# 4, part# 900-0050-04.
- 5pc Indexable carbide turning set # 2003-0005.
- Lathe package # 1, incl 5pc indexable carbide turning set# 2003-0005.  
1/2 drill chuck # 700-0102, Chuck arbor # 700-0153 and 29pc Titanium  
drill bit set #5000-0001T



**Shown Model# GT-1860DB**



