



## **Lathe Machine Belt Drive (Premium)**



## Cone Pulley Light / Medium Duty Lathe Machine



FL-M165



FL-M215

### Standards Accessories :

- Chuck Back Plate
- Change Gear Set
- Centre Adapter,
- Dead Centres
- Tool Post Spanner
- Motor Pully

### Optional Accessories :

Face Plate, Carrier Plate, Steady rest, follow rest, Taper turning turning attachment, motorised coolant pump with tank and fitting, Rear tool post with extended cross slide, Norton gear Box Chuck back plates (Extra), and Electricals (Motor, Switch, Wrings, V-Belts and fittings)

### Features

- Head Stock Gears are fully induction hardened and Teeth are profile Grinding.
- All Gear are Hardened Nitriding process.
- These lathe can satisfy the various turning requirement of a very wide range of different industries offering an affordable solution to higher machining accuracy and better surface finish.
- They have a modern style and are build to accord with both latest human engineering.
- High speed dynamically balanced spindle using the latest machine tool building technology.
- Solid cast iron structure guaranterring the rigidity of bed, need stock and saddle.



MODEL	FL-L165			FL-M165			FL-M215			
Centre Height over flat bed ways (mm)	165(6.5")			165(6.5")			215(8.5")			
Swing Over Bed (mm)	325			325			420			
Swing Over Cross Slide (mm)	175			175			240			
Swing In Gap (mm)	510			510			620			
Length of Gap in front of Face Plate (mm)	115			115			125			
Width of Bed (mm)	240 (9.5")			225(8.9")			277(10.7")			
Admin Between Centres (mm)	660 / 890 / 1135			710			450/725/900/1500			
Length of Bed (mm)	1370 (4'-6")	1600(5'-3")	1820(6')	1370 (4'-6")			1370 (4'-6")	1600(5'-3")	1830(6')	2438(8")
<b>MAIN SPINDLE</b>										
Spindle Bore (mm)	40			40			52 (Optional : 63)			
Spindle Nose Diameter (mm)	61.85			61.85			76.20 m.m			
Spindle Thread	8 T.P.I.I			8 T.P.I.I			6 T.P.I.I			
Spindle Morse Taper	MT-5			MT-5			MT-6			
Spindle Adapter Morse Taper	MT - 3			MT - 3			MT - 4			
Spindle Speeds No.	8			8			6			
Spindle Speeds Range	40 to 950 RPM			40 to 950 RPM			40 to 550 RPM			
Spindle Drive	V-Belt			V-Belt			V-Belt			
Spindle Mounting	Taper Roller Bearings			Taper Roller Bearings			Taper Roller Bearings			
<b>TAIL STOCK SPINDLE</b>										
Spindle Diameter (mm)				38.1			50.8			
Spindle Travel (mm)				110			120			
Spindle Morse Taper				MT - 3			MT - 4			
<b>LEADING SCREW :</b>										
Diameter (mm)				25.4			31.75			
Thread (mm/TPI)				4			4			
<b>THREADS</b>										
Nos. of Threads / Range	Matric	13/1 to 6 Pitch			13/1 to 6 Pitch			13/1 to 6 Pitch		
(Without Norton Gearbox)	Inch	19/2 to 24 T.P.I.			19/2 to 24 T.P.I.			19/2 to 24 T.P.I.		
Nos. of Threads / Range	Matric	24 / 0.5 to 15 Pitch			17 / 0.5 to 15 Pitch			24 / 0.5 to 15 Pitch		
(For Fully Norton Gearbox)	Inch	44/2 to 60 T.P.I.			40/2 to 60 T.P.I.			44/2 to 60 T.P.I.		
<b>FEEDS</b>										
Nos. of Feeds / Range	Longitudinal									
(For Fully Norton Gearbox)	Cross									
Nos. of Feeds / Range	Longitudinal									
(For Fully Norton Gearbox)	Cross									
Floor Space Occupied (mm)		1500x850	1750x850	2200x850	1500	850	1300	1650 x 970	1950 x 970	2100 x 970
Approx Net Weight in Kgs.	Net	450	500	550	500			575	650	675
	Gross	625	690	750	650			625	700	725
Approx Case Dimension (mm)		1700x900x1350 2400x900x1350 1950 x 900 x 1350			1700x900x1400			1850x970x1500	2150 x 970x1500	2300x970x1500
Electrical :	Electric Motor of 1 H.P. / 0.75 k.w. Phase, 50Hz, 440V., 1140 RPM with Reverse - Forward switch, V-Belt, Electrical Wirings and Fitting.									