

## Geared Head Precision Lathe - 175, 215, 250 & 254 Series



**Model: 175 / 750**



**Model: 215 / 1000**

	Model:	175	215	250	254
<b>Capacity</b>	Height of Centre (mm):	175	215	250	254
	Swing over Bed (mm):	340	420	500	490
	Swing over Cross Slide (mm):	176	250	290	300
	Distance Between Centres (mm):	750 / 1000	1000 / 1500	1000 / 1500	1000 / 1500 / 2000 / 2500 / 3000
<b>Bed</b>	Max. Swing in Gap (mm):	620	700	770	800
	Bed Type:	2V & 2 Flat	2V & 2 Flat	2V & 2 Flat	2V & 2 Flat
	Bed Width (mm):	280	280	355	325
	Length of Gap in front of Face Plate (mm):	160	160	240	175
<b>Headstock</b>	Number of Spindle Speeds:	8	8	18	8
	Spindle Speeds Range (rpm):	54 to 1200	54 to 1200	32 to 1650	30 to 1230
	Type and Size of Spindle Nose:	Cam lock size D1-4	Cam lock size D1-4	Cam lock size 6	Cam lock size 6
	Spindle Bore (mm):	40	40	55	52
	Spindle Morse Taper Number:	MT-5	MT-5	MT-6	MT-6
<b>Tailstock</b>	Diameter of Front Bearing (mm):	110 x 60	110 x 60	150 x 85	140 x 80
	Spindle Diameter (mm):	50.8	50.8	57.15	57.15
	Spindle Morse Taper Number:	MT-3	MT-3	4	4
	Spindle Travel (mm):	175	175	200	200
<b>Saddle</b>	Lateral Movement of Tailstock (mm):	5	5	5	5
	Cross-slide Travel (mm):	225	225	325	325
	Cross-slide Dimensions (mm):	178 x 415	178 x 415	550 x 200	445 x 200
	Compound Slide Traverse (mm):	130	130	150	150
	Saddle Traverse (mm):	640 / 890	890 / 1390	890 / 1390	--
<b>Feeds and Threads</b>	Tool Shank Section (mm):	22 x 22	25 x 25	25 x 25	25 x 25
	Number of Feeds:	72	76	76	72
	Range of Longitudinal Feeds (mm/rev.):	0.033 to 0.468	0.026 to 0.936	0.45 to 1.600	0.45 to 1.600
	Range of Cross Feeds (mm / rev.):	0.021 to 0.301	0.016 to 0.620	0.003 to 0.128	0.003 to 0.128
	Number of Threads:	103	106	106	103
	Metric Range (number):	0.2 to 6.5 mm (31)	0.2 to 7.0 mm (33)	0.2 to 7.0 mm (33)	0.2 to 6.5 mm (31)
	Inch Range (number):	72 to 4 TPI (36)	72 to 4 TPI (36)	72 to 4 TPI (36)	72 to 4 TPI (36)
	D.P. Range (number):	44 to 8 DP (21)	44 to 8 DP (21)	44 to 8 DP (21)	44 to 8 DP (21)
	Module Range (number):	0.4 - 3.0 MOD (15)	0.3 - 3.0 MOD (16)	0.3 - 3.0 MOD (16)	0.4 - 3.0 MOD (15)

	Lead Screw Diameter (mm):	31.75	31.75	31.75	38.1
	Lead Screw Pitch (mm):	6	6	6	6
<b>Electricals</b>	Main Motor (kW):	1.5	2.25	3.75	2.25