

	G0776	PM-1340GT	PM-1440GT	S81039	G0709	PM-1440B (BV)	PM-1440E-LB	PM-1440-HD	G0509G
Price	4695	4999/5899	6999/7999	9075	4650	4995/5695	4999	6799	8150
Shipping	0	299	399	355	275	0/0	0	0	495
Operation Info									
Swing Over Bed	13.70 in.	13 in.	14	14 in.	14 in.	14 in.	14 in.	14	16 in.
Distance Between Centers	40 in.	40 in.	40	40 in.	40 in.	40 in.	40 in.	40	40 in.
Max Weight Between Centers				440 lb					
Swing Over Cross Slide	7.71 in.	6-1/2 in.	8-3/4	8.66 in.	8-13/16 in.	8.81 in.	9	8.5	10 in.
Swing Over Saddle	11.75 in.			13-3/4 in.	13-13/16 in.				9-7/8 in.
Swing Over Gap	18.50 in.	19-1/8 in.	20-3/4	20.94 in.	19.75 in.	18.74 in.	20	20	22 in.
Maximum Tool Bit Size	5/8 in.			3/4 in.	5/8 in.				3/4 in.
Tool Post Series Size									
Compound Travel	3-1/4 in.	3-1/2 in.	3-1/2	4 in.	3-9/16 in.	3-3/4 in.	3-3/4 in.	3.5	5-1/2 in.
Carriage Travel	33 in.			36.5 in.	36 in.	38.5 in.			33 in.
Cross Slide Travel	5-7/8 in.	6-3/4 in.	6-1/2	7 in.	6-11/16 in.	6-1/4 in.	7	6.5	8-1/2 in.
Headstock Info									
Spindle Bore	1.57 in. (40 mm)	1-9/16 in.	2	1.57 in.	1.57 in.	2 in.	2	1-9/16	2.0625 in.
Spindle Size									
Spindle Taper	MT#5	MT#5	MT#6	MT#5	MT#5	MT#6	MT#6	MT#5	MT#6
Spindle Threads	M42 X 1.5 mm								
Number of Spindle Speeds	8	12 / Var	12	16	8	16 / Var	8	12	16
Spindle Speeds	70 – 2000 RPM	90-1600 RPM / 50-2200 Var	52-2200	50-2750 RPM	70 – 2000 RPM	40-1800 / 40-1800 var	70 – 2000 RPM	40 – 1800 RPM	45 – 1800 RPM
Spindle Type	D1-4	D1-4	D1-5	D1-5	D1-5 Camlock	D1-5	D1-5	D1-4	D1-6 Camlock
Spindle Bearings	Tapered Roller	High Precision Tapered	High Precision Tapered	NTN Tapered Roller	NSK Tapered Roller		Precision Tapered	High-Precision Tapered Roller	High-Precision Tapered Roller
Spindle Length	16-5/16 in.	13-3/4 in.	15-1/2	20-7/8 in.	17 in.	16-1/2 in.	16-1/2 in.		19-1/2 in.
Spindle Length with 3-Jaw Chuck	21-3/16 in.	17-1/4 in.	18-1/2	27 in.	21-7/8 in.	19-1/4 in.	19-1/4 in.		25-5/8 in.
Spindle Length with 4-Jaw Chuck	20-1/2 in.			25-7/16 in.	21-1/4 in.				23-3/4 in.
Spindle Length with Faceplate	17-3/4 in.			22-1/2 in.	18-1/2 in.				21-3/4 in.
Tailstock Info									
Tailstock Quill Travel	4 in.	4 in.	4	4-3/8 in.	3-15/16 in.	4 in.	4 in.	4-3/4	4-3/4 in.
Tailstock Taper	MT#3	MT#3	MT#3	MT#3	MT#3	MT#3	Mt#4	MT#3	MT#4
Tailstock Barrel Diameter	1-1/4 in.	1-9/16 in.	1-9/16 in.	1.968 in.	1.656 in.	1.259 in.	1.259 in.	1-3/4	2 in.
Threading Info									
Number of Longitudinal Feeds	48			17	24			40	17
Range of Longitudinal Feeds	0.0019 – 0.0472 in./rev.	.002-.02 in./rev	.0026-.0368	0.002 – 0.067 in./rev.	0.00168 – 0.1175 in./rev.	.0006-.0159 in./rev	.002-.0548 IPR	0.0012-0.0294 IPR	0.002 – 0.067 in./rev.
Number of Cross Feeds	36			17	32			40	17
Range of Cross Feeds	0.0014 – 0.0116 in./rev.	.001-.01 in./rev	.0013-.0184	0.0011 – 0.034 in./rev	0.00046 – 0.03231 in./rev	.0003-.0098 in./rev	.0007-.0187 IPR	0.0004-0.0103	0.0011 – 0.038 in./rev
Number of Inch Threads	36	40	32	45	42	34	34		45
Range of Inch Threads	4 – 60 TPI	4-112	4-56	2 – 72 TPI	4 – 112 TPI	4-56	4-56	4 – 112 TPI	2 – 72 TPI
Number of Metric Threads	32	24	30	39	44			39	
Range of Metric Threads	0.4 – 7 mm	.25-7.5mm	0.4-7.0mm	0.2 – 14.0 mm	0.1 – 7.0 mm	.4-7mm	.4-7mm	0.45-7.5 mm	0.2 – 14.0 mm
Number of Modular Pitches				18	34			18	
Range of Modular Pitches				0.3 – 3.5 MP	0.1 – 1.75 MP				0.3 – 3.5 MP
Number of Diametral Pitches				21	25			21	
Range of Diametral Pitches				8 – 44 DP	16 – 112 DP				8 – 44 DP
Dimensions									
Bed Width	7-1/16 in.	7-1/2 in	7-9/16	9 in.	7-3/8 in.	7.362 in.	7.362 in.	10-1/2	10 in.
Carriage Leadscrew Diameter	0.866 in.			1-1/8 in.	7/8 in.		7/8 in.		1.120 in.
Leadscrew TPI	8 TPI	8 TPI	4 TPI	4 TPI	8 TPI	8 TPI	8 TPI	8 TPI	4 TPI
Carriage Leadscrew Length	44-1/2 in.			59 in.	50 in.				54 in.
Steady Rest Capacity	0.31 – 2.95 in.			5/16 - 4-5/16 in.	3/8 – 2-3/4 in.				1/2 – 4-1/2 in.
Follow Rest Capacity	0.31 – 2.16 in.			5/8 - 3-1/8 in.	3/8 – 2-3/8 in.				1/2 – 2-1/2 in.
Faceplate Size	10 in.			12 in.	11 in.				14 in.
Feed Rod Diameter	0.787 in.	3/4 in.	3/4 in.	3/4 in.	3/4 in.	3/4 in.			3/4 in.
Floor to Center Height	45-11/16 in.	46 in.	47	42-5/8 in.	45 in.	46 in.			47 in.
Height With Leveling Jacks		52 in.		54-3/8 in.		51 in.			53-1/2 in.
Other									
Carriage Handwheel Graduations	0.02 in.								
Carriage Handwheel Revolution	0.66 in.								
Cross Slide Handwheel Graduations	0.002 in.								
Cross Slide Handwheel Revolution	0.2 in.								
Compound Handwheel Graduations	0.001 in.								
Compound Handwheel Revolution	0.1 in.								
Tailstock Handwheel Graduations	0.001 in.								
Tailstock Handwheel Revolution	0.1 in.								
Optional Stand									
Construction									
Base	Steel	Steel		Cast Iron	Steel	Cast Iron		Cast Iron	Cast Iron
Headstock	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
End Gears	Flame-Hardened Steel	Flame Hardened Steel	Flame Hardened Steel	Flame Hardened Steel	Flame-Hardened Steel	Flame Hardened Steel	Flame Hardened Steel	Flame Hardened Steel	Flame Hardened Steel
Bed	Induction-Hardened Cast Iron	Induction-Hardened, Precision-Ground Cast Iron	Induction-Hardened, Precision-Ground Mehanite Cast Iron	Induction-Hardened, Precision-Ground Mehanite Cast Iron	Induction-Hardened, Precision-Ground Cast Iron	Induction-Hardened, Precision-Ground Cast Iron	Induction-Hardened, Precision-Ground Cast Iron	Induction-Hardened, Precision-Ground Cast Iron	Induction-Hardened, Precision-Ground Cast Iron
Body	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Stand	Steel	Steel	Steel	Cast Iron	Cast Iron	Cast Iron	Cast Iron	one-piece cast iron	Cast Iron
Paint Type/Finish	Epoxy			Urethane	Epoxy				Epoxy
Fluid Capacities									
Headstock Capacity	2.3 qt.			6.4 qt.	4.2 qt.				6.5 qt.
Headstock Fluid Type	ISO 32 (eg. Grizzly T23963, Mobil DTE Light)			ISO 32 (eg. Grizzly T23963, Mobil DTE Light)	ISO 32 (eg. Grizzly T23963, Mobil DTE Light)				ISO 32 (eg. Grizzly T23963, Mobil DTE Light)
Gearbox Capacity	.68 qt.			1.4 qt.	2.1 qt.				1.9 qt.
Gearbox Fluid Type	ISO 68 (S81365, Grizzly T23962, Mobil Vactra 2)			ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)				ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Apron Capacity	.23 qt.			1.2 qt.	1 qt.				1.4 qt.
Apron Fluid Type	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)			ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)	ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)				ISO 68 (eg. Grizzly T23962, Mobil Vactra 2)
Coolant Capacity	7.4 qt.			11.1 qt.	10 qt.				15.85 qt.
Weight	1280 lbs	1310 lbs.	1750	2420	1300 lbs.	1800 lbs.	1800	2750	2976 lbs.
HP	2 HP		3 HP		2 HP	2 HP	3HP	3 HP	
Power	220v/single phase		220v/single phase	220v/3-phase	220v/single phase	220v/single phase	220v/single phase	220v/1 ph	220v/3-phase
Standard Acc.									
Change gears	Yes								
3-Jaw chuck	6" Self-centering	No/6" High Precision	No/8" High Precision	8"	6" 3-Jaw chuck with reversible jaws	8"	8"	6" w/rev jaw	8"
4-Jaw chuck	8" with independent jaws	No/8" High Precision	No/8" High Precision	10"	8" 4-Jaw chuck with reversible jaws	8"	8"	8" w/rev jaw	12"
Face Plate	10"	\$99	\$99	12"	11"	10"	Yes	12"	14"
Steady rest	Yes	Yes	Yes	Yes	Yes/roller	Yes	Yes	Yes	Yes
Follow rest	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quick-change tool post	(200 series)	\$200	\$160	\$160	with 2 tool holders	w/5 holders	Yes	Aloris BXA	Yes
Live Center	No	No/Yes	No/Yes	No	MT#3	Yes	Yes	No	
Dead Center	MT#3 HHS	Yes	Yes	MT#3 HHS	MT#3 HHS	Yes			MT#4 HHS
MT Sleeve	MT#3 Carbide	Yes	Yes	MT#3 Carbide	MT#3 Carbide				MT#4 Carbide
	No	Yes	Yes	MT#5-MT#3	MT#5-MT#3	Yes			MT#6-MT#4
Drill Chuck	No	No/1/2"	No/1/2"	No	1/2" drill chuck w/ MT#3 arbor	Yes	Yes	No	No
Work Light	Yes	No/Yes	No/Yes	Yes	Yes	Yes	Yes	Yes	Yes
Coolant system	Yes	\$200	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pull out chip pan	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
Outboard Spider	Yes	No	No	No	Yes	No	No	No	Yes
Foot brake	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Toolbox with service tools	Yes	Yes	Yes	Yes	Yes				Yes
DRO	Yes	\$795	799	799	No	No	Yes	No	No
Tourque Tailstock	No	No	No	No	Yes	No	No	No	Yes
Micrometer Stop		No/Yes	No/Yes	Yes	Yes	No		No	Yes
	China	Tiawan	Tiawan	Tiawan	China	China	China	China	China
Base Cost	4695	5899	6999	9075	4650	4995	4999	6799	8150
Shipping	0	299	399	355	275	0	0	0	495
Tool Post		200							
Live Center	30							30	35
DRO		645	985	985	985	985		645	645
Micrometer Stop	50		50			50	50	50	
Outboard Spider									
Collant Pump		200							
MT reducer sleeve	30								
Faceplate		99	99						
Drill Chuck	150							150	150
Power Inverter									800
Trailer Rental				150				150	150
Lift gate			50						
Motor Swap				600					600
Total Comparable Cost	4955	7342	8582	11165	5910	6030	5049	7824	11025
				2583					