

Specifications	13" VS	15" VS	18" VS	21" VS	13" GH	15" GH
Capacity						
Height of center	6.7" (170mm)	7.67" (195mm)	9" (229mm)	11.02" (280mm)	6.7" (170mm)	7.67" (195mm)
Swing over bed	13.75" (350mm)	15.75" (400mm)	18.1" (460mm)	21.81" (554mm)	13.75" (350mm)	15.75" (400mm)
Swing in gap	21" (533mm)	23" (584mm)	28.74" (730mm)	32.68" (830mm)	19" (480mm)	23" (584mm)
Width in front of faceplate	6.5" (165mm)	6.5" (165mm)	8.5" (216mm)	8.5" (216mm)	4.6" (117mm)	4.6" (117mm)
Swing over cross slide	7.75" (197mm)	9.75" (248mm)	10.62" (216mm)	14.57" (370mm)	7.75" (197mm)	9.75" (248mm)
Bedway width	12.5" (318mm)	12.5" (318mm)	15.75" (400mm)	15.75" (400mm)	12.5" (318mm)	12.5" (318mm)
Headstock						
Spindle bore	1.65" (42mm)	2.12" (54mm)	3" (76mm)	4.09" (104mm)	1.57" (40mm)	2.12" (54mm)
Spindle nose (camlock)	D1-4	D1-6	D1-8	D1-11	D1-4	D1-6
Spindle nose taper	3MT	4MT	5MT	5MT	3MT	4MT
Number of spindle speeds	3 infinitely variable	3 infinitely variable	3 infinitely variable	3 infinitely variable	12	16
Spindle Speed Range (rpm)	17-3250	14-2500	20-2000	18-1800	40-2500	25-2000
Low range (rpm)	17-340	14-275	20-225	18-200	-	-
Mid range (rpm)	50-1010	45-795	60-675	55-605	-	-
High range (rpm)	160-3250	125-2500	175-2000	100-1800	-	-
Cross/Top Slide						
Travel of cross slide	9.8" (249mm)	9.8" (249mm)	11.81" (299mm)	11.81" (299mm)	7.5" (190mm)	9.8" (249mm)
Width of cross slide	7.09" (180mm)	7.09" (180mm)	8" (203mm)	8" (203mm)	5.5" (140mm)	7.09" (180mm)
Travel of top slide	3.9" (99mm)	5.1" (130mm)	7.5" (190mm)	7.5" (190mm)	3.63" (92mm)	5.1" (130mm)
Width of top side	3.54" (90mm)	3.93" (100mm)	6.8" (173mm)	6.8" (173mm)	3.25" (82mm)	3.93" (100mm)
Tailstock						
Quill travel	5.5" (140mm)	5.5" (140mm)	7" (178mm)	7" (178mm)	4.38" (110mm)	5.5" (140mm)
Quill Diameter	2.48" (63mm)	2.87" (73mm)	3.74" (95mm)	3.74" (95mm)	1.63" (42mm)	2.8" (71mm)
Quill taper	4MT	5MT	6MT	6MT	4MT	5MT
Feeds and Threading						
Longitudinal feed range (in)	0.018-1.2in/rev	0.018-1.2in/rev	0.0016-0.11in/rev	0.0016-0.11in/rev	0.001-0.8in/rev	0.014-0.096 in/rev
(mm)	.46-30mm/rev	.46-30mm/rev	.041-2.79mm/rev	.041-2.79mm/rev	.03-2mm/rev	.035-2.45mm/rev
Cross feed range (in)	0.0007-0.048in/rev	0.0007-0.048in/rev	0.0008-0.055in/rev	0.0008-0.055in/rev	-	0.0007-0.048in/rev
(mm)	.018-1.22mm/rev	.018-1.22mm/rev	.02-1.4mm/rev	.02-1.4mm/rev	-	.018-1.22mm/rev
Number of inch pitches	56	56	73	73	35	56
Range of inch pitches	2-56 TPI	2-56 TPI	2-84 TPI	2-84 TPI	2-56 TPI	2-56 TPI
Number of metric pitches	51	51	51	51	39	51
Range of metric pitches	0.2-14mm	0.2-14mm	0.2-14mm	0.2-14mm	0.2-14mm	0.2-14mm
Number of diametral pitches	20	20	27	27	18	20
Range of diametral pitches	8-56 DP	8-56 DP	8-72 DP	8-72 DP	8-56 DP	8-56 DP
Number of module pitches	51	51	51	51	18	51
Range of module pitches	0.2-3.5 MOD	0.2-3.5 MOD	0.2-3.5 MOD	0.2-3.5 MOD	0.3-3.5 MOD	0.2-3.5 MOD
Motor						
Spindle motor	10 hp (7.5kw)	10 hp (7.5kw)	15 hp (10kw)	15 hp (10kw)	3 hp (2.2kw)	7.5 hp (5kw)

Standard Equipment:

- Spindle Center Bushing
- Two MT Centers
- Splash Guard
- Chuck Guard
- Leadscrew Cover
- Coolant System
- Inch Threading Dial
- Electric Coolant Pump, Tank and Fitting
- End Guard Limit Switch
- Tee Slotted Top Slide
- Set of Wrenches and Keys
- Instruction and Parts Manual
- Accuracy Chart
- Emergency Stop Button
- Lockable Isolator Switch
- One Shot Saddle and Cross Slide Lubrication
- Rapid Power Traverse to Cross Slide and Carriage (18" & 21" V.S. models)
- Saddle Mounted Controls and Power Meter (18" & 21" V.S. models)
- Forward/Reverse/Stop Switch
- 208/230 v. or 460 v. 3 ph 60Hz

Due to ongoing design improvements, specifications and design are subject to change without notice.

M350	13" x 25"	1,738 lbs (790kg)
M390	15" x 50"	3,300 lbs (1496kg)
V350	13" x 25"	2,790 lbs (1266kg)
V390	15" x 50"	3,300 lbs (1497kg)
V460/60	18" x 60"	5,765 lbs (2615kg)
V460/80	18" x 80"	6,170 lbs (2799 kg)
V550/80	21" x 80"	6,283 lbs (2850 kg)
V550/120	21" x 120"	7,960 lbs (3611 kg)



ISMG Machinery & Tooling Agency 
16835 Algonquin Street #420
Huntington Beach, CA 92649 U.S.A
Phone: 800-575-2843 Fax: 888-839-6434
E-mail: info@ismgagency.com
Website: www.harrisonlathe.com