

The CLAUSING/METOSA 15" or 17" Precision Geared Head Lathes with Soft Start and Variable Speed Lathes will help increase your productivity and profits... Just Add Your Chuck and You're Ready to Turn.



Heavy-duty cast-iron base construction on all 15" and 17" models

Carriage & Apron:

Controls are designed for easy operation. The 15" and 17" lathes have easy-to-read dual inch and metric dials and are equipped with a quick change tool post.



Tailstock:

A heavy-duty casting design for maximum rigidity with a 2.28" ram and a 4MT taper. The ram has a graduated scale and the handwheel ring is indexed for accurate ram positioning.



Bed & Bedways:

The extra-wide 12" bed is constructed of stabilized cast iron with bedways hardened and ground to a hardness of 42 to 47 Rc. The scientifically designed bed has tapered cross braces for fast and easy chip removal. The bed is mounted on a **heavy-duty cast iron base** that is specially engineered to absorb vibration.



Standard Equipment:

- ¥ Dual Inch/Metric Dials
- ¥ Dead Centers
- ¥ Q.C. Tool Post with 4 Holders
- ¥ Steady Rest .4" - 4.5" (10 - 115mm)
- ¥ Micro Carriage Stop ¥ 4-Position Bed Stop
- ¥ Coolant System ¥ One-Shot Lubrication
- ¥ Interlocking Chuck Guard
- ¥ Splash Guard ¥ Leadscrew Cover
- ¥ Thread Dial Indicator
- ¥ Drive Plate
- ¥ Lathe Lamp
- ¥ T-Slotted Top Slide
- ¥ Electro-Magnetic Brake
- ¥ Chip Pan ¥ Chip Guard
- ¥ Tool Box & Manual

Electrical:

* 208v. / 230v. / 460v., 60Hz 3-phase
Please specify voltage when ordering.

* 208v is a special order or optional transformer required

* Spindle speed, (rpm)

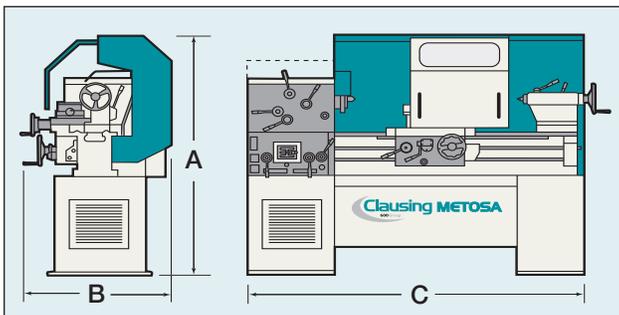
40 - 72 - 92 - 185 - 340 - 425 - 625
950 - 1,150 - 1,400 - 1,750 - 2,200

15" & 17" GAP BED LATHES

Specification:	15" Soft Start	15" Variable Speed	17" Soft Start	17" Variable Speed
Capacity				
Swing over bed	15.75" (400mm)	15.75" (400mm)	17.72" (450mm)	17.72" (450mm)
Center height	7.87" (200mm)	7.87" (200mm)	8.86" (225mm)	8.86" (225mm)
Swing in gap	23.62" (600mm)	23.62" (600mm)	25.59" (650mm)	25.59" (650mm)
Gap length (in front of face plate)	6.3" (160mm)	6.3" (160mm)	6.3" (160mm)	6.3" (160mm)
Swing over carriage	14.56" (370mm)	14.56" (370mm)	16.14" (410mm)	16.14" (410mm)
Swing over cross slide	8.26" (210mm)	8.26" (210mm)	10.23" (260mm)	10.23" (260mm)
Bed width	12" (300mm)	12" (300mm)	12" (300mm)	12" (300mm)
Headstock				
Spindle bore	2.05" (52mm)	2.05" (52mm)	2.05" (52mm)	2.05" (52mm)
Spindle nose	D1-6	D1-6	D1-6	D1-6
Spindle taper	4MT	4MT	4MT	4MT
No. spindle speeds (Soft Start)*	12	-	12	-
Spindle speed (rpm)	40-2200	0-2300	40-2200	0-2300
No. spindle speeds ranges V.S.		3		3
Low speed range (rpm)		0-310		0-310
Medium speed range (rpm)		310-840		310-840
High speed range (rpm)		840-2300		840-2300
Thread and feed box				
No. of longitudinal feeds	44	44	44	44
Range (inches)	0.0018-0.0026 (.05-.75mm)	0.0018-0.0026 (.05-.75mm)	0.0018-0.0026 (.05-.75mm)	0.0018-0.0026 (.05-.75mm)
No. of cross feeds	44	44	44	44
Range (inches)	0.0005-.0.0076 (.025-.375mm)	0.0005-.0.0076 (.025-.375mm)	0.0005-.0.0076 (.025-.375mm)	0.0005-.0.0076 (.025-.375mm)
No. of metric threads	44	44	44	44
Range (mm)	0.5-7.5	0.5-7.5	0.5-7.5	0.5-7.5
No. of inch threads	44	44	44	44
Range	4-60	4-60	4-60	4-60
No. of modular thread	44	44	44	44
Range	0.25-3.75	0.25-3.75	0.25-3.75	0.25-3.75
No. of diametral pitch threads	44	44	44	44
Range	8-120	8-120	8-120	8-120
Leadscrew dia./TPI	1.26"/4	1.26"/4	1.26"/4	1.26"/4
Slide and carriage				
Cross slide travel	11.81" (300mm)	11.81" (300mm)	11.81" (300mm)	11.81" (300mm)
Compound travel	5.12" (130mm)	5.12" (130mm)	5.12" (130mm)	5.12" (130mm)
Max. tool size	1" x 1" (25 x 25mm)			
Tailstock				
Tailstock ram diameter	2.28" (58mm)	2.28" (58mm)	2.28" (58mm)	2.28" (58mm)
Tailstock ram travel	6.1" (155mm)	6.1" (155mm)	6.1" (155mm)	6.1" (155mm)
Tailstock taper	4MT	4MT	4MT	4MT
Motors				
Spindle motor (Hp)	7.5 (5.5Kw)	7.5 (5.5Kw)	7.5 (5.5Kw)	7.5 (5.5Kw)
Pump motor (Hp)	3/4 (.06Kw)	3/4 (.06Kw)	3/4 (.06Kw)	3/4 (.06Kw)

(Specifications subject to change without notification)

Dimensions, Center Distance and Weight:



MODEL	A	B	C	CENTER DISTANCE	WEIGHT
C1545SS	63.8" (1620mm)	39.2" (995mm)	93.7" (2380mm)	45" (1150mm)	2,668 lbs. (1210Kg)
C1545VS	63.8" (1620mm)	39.2" (995mm)	93.7" (2380mm)	45" (1150mm)	2,668 lbs. (1210Kg)
C1565SS	63.8" (1620mm)	39.2" (995mm)	113.4" (2880mm)	65" (1650mm)	2,865 lbs. (1300Kg)
C1565VS	63.8" (1620mm)	39.2" (995mm)	113.4" (2880mm)	65" (1650mm)	2,865 lbs. (1300Kg)
C1745SS	63.8" (1620mm)	39.2" (995mm)	93.7" (2380mm)	45" (1150mm)	2,778 lbs. (1260Kg)
C1745VS	63.8" (1620mm)	39.2" (995mm)	93.7" (2380mm)	45" (1150mm)	2,778 lbs. (1260Kg)
C1765SS	63.8" (1620mm)	39.2" (995mm)	113.4" (2880mm)	65" (1650mm)	2,977 lbs. (1350Kg)
C1765VS	63.8" (1620mm)	39.2" (995mm)	113.4" (2880mm)	65" (1650mm)	2,977 lbs. (1350Kg)