



C SERIES LATHES

AFFORDABLE. DURABLE. VERSATILE.

A line of precision, high performance geared head and variable speed lathes.

C13 SERIES

Features

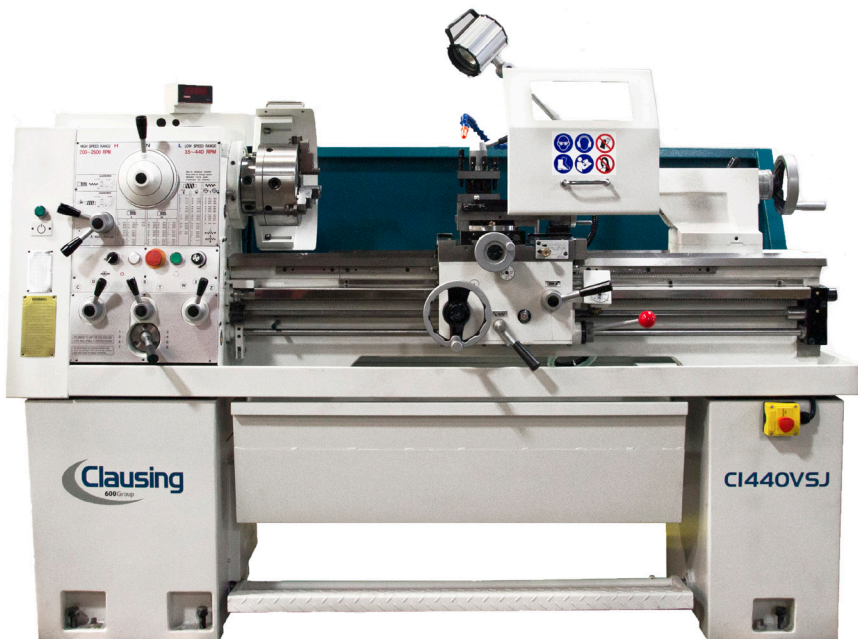
- D1-4 Camlock spindle nose
- 2-speed motor driven for 16-step speed from 33-2000 rpm (J Models)
- Variable-Speed drive from 40-2500 rpm in two variable ranges (VSJ Models)
- 3HP (2.25Kw) spindle motor GH / 3HP Inverter VS
- Swing over bed 13"
- Distance between center 30"/40"
- Headstock gears are precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P. threading
- Induction hardened & precision ground bed
- 4-Way turret tool post
- 6" 3-Jaw scroll chuck
- Steady Rest w/rollers .38" to 2.75" capacity
- Micrometer bed stop w/5-position turret positions



C14 SERIES

Features

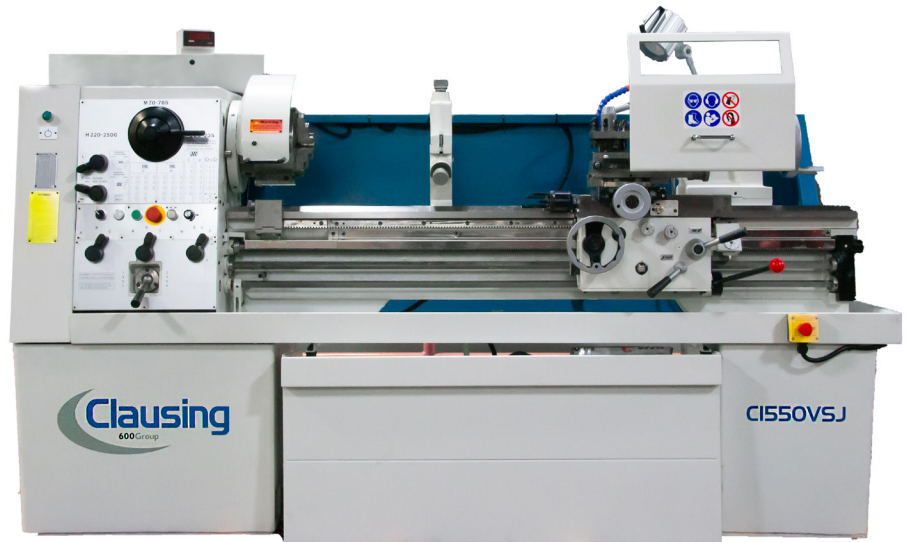
- D1-5 Camlock spindle nose
- 2-speed motor driven for 16-step speed from 33-2000 rpm (J Models)
- Variable-Speed drive from 35-2500 rpm in two variable ranges (VSJ Models)
- 5HP (3.75Kw) spindle motor GH / 5HP inverter VS
- Swing over bed 14"
- Distance between center 30"/40"
- Headstock gears are precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P. threading
- Induction hardened & precision ground bed
- 4-Way turret tool post
- 7" 3-Jaw scroll chuck
- Steady Rest w/rollers .39" to 4.9" capacity
- Micrometer bed stop w/5-position turret positions



C15 SERIES

Features

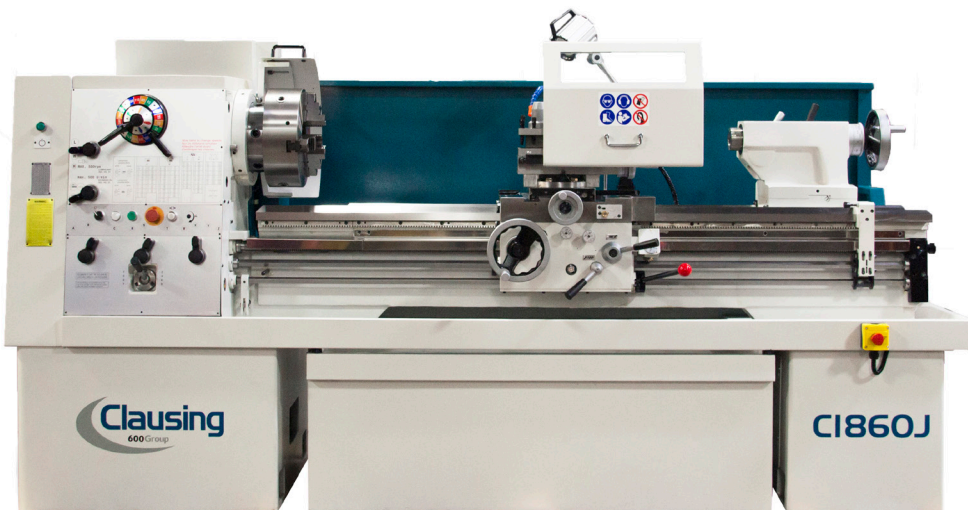
- D1-6 Camlock spindle nose
- Geared Head 16-step spindle speed from 25-2000 rpm Soft Start control spindle (J models)
- Variable-Speed drive from 20-2500 rpm in 3 variable ranges (VSJ Models)
- 7.5HP (5.5Kw) spindle motor geared head or 10HP (7.5Kw) spindle motor variable speed
- Swing over bed 15"
- Distance between center 30"/40"/50"
- Headstock gears with precision hardened and ground
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P. threading
- Induction hardened & precision ground bed
- Magnetic Brake system with chip trolley
- 4-Way turret tool post
- 9" 3-Jaw scroll chuck
- Steady Rest w/rollers .39" to 5.5" capacity
- Micrometer bed stop w/5-position turret positions



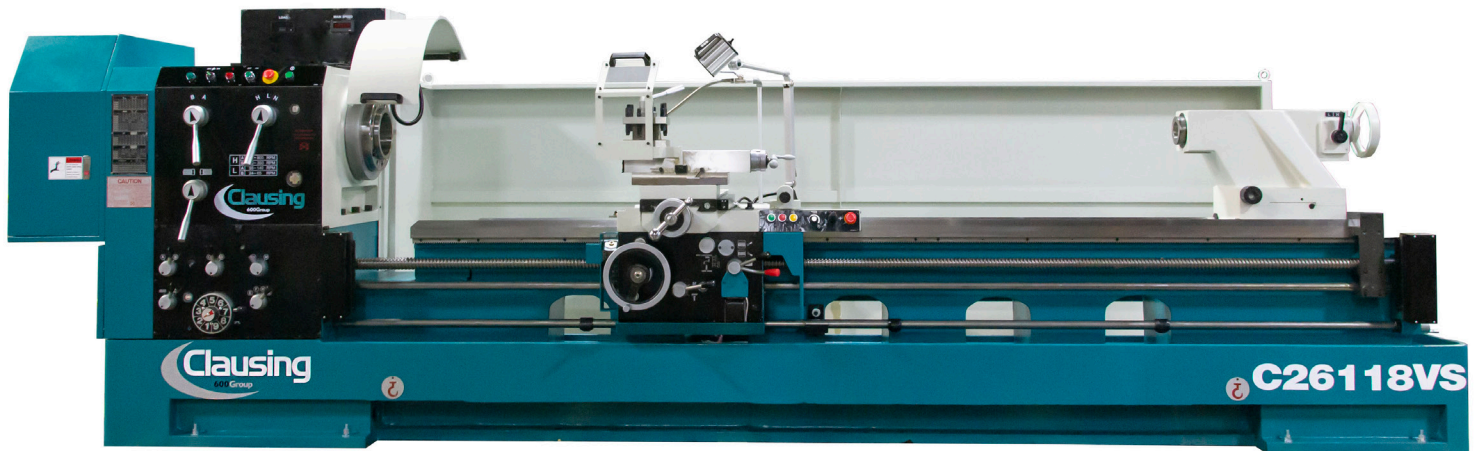
C18-22 SERIES

Features

- D1-8 Camlock spindle nose
- Geared Head 16-step spindle speed from 20-1600 rpm Soft Start control spindle (J Models)
- Variable-Speed drive from 16-2000 rpm in 3 variable ranges (VSJ Models)
- 15HP (11Kw) spindle motor
- Swing over bed 18"/20"/22"
- Distance between center 40"/60"/80"/120"
- Headstock gears are precision hardened and ground
- Magnetic Brake system with chip trolley
- Universal gearbox provides comprehensive range of metric, imperial, M.P. and D.P. threading
- Induction hardened & precision ground bed
- Geared Head machines have soft start spindle feature
- 4-Way turret tool post
- 12" 3-Jaw scroll chuck
- Steady Rest w/rollers .98" to 5.7" capacity
- Micrometer bed stop w/5-position turret positions



C26 SERIES



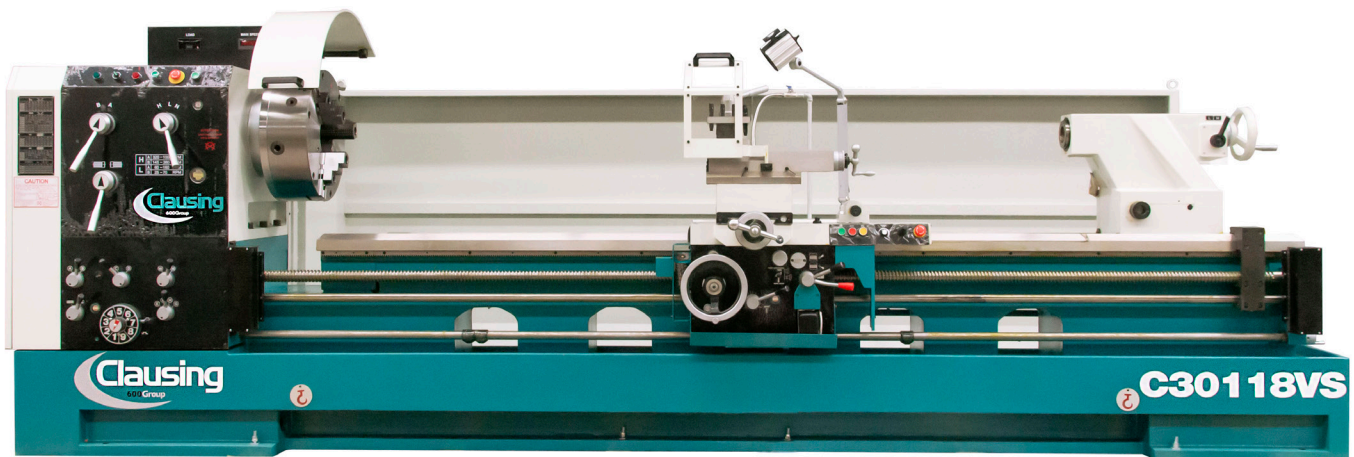
Note: Shown with option rear chuck guard

The C26 and C30 series large swing Geared Head engine lathes are engineered to allow the accurate and efficient machining of large components. A wide range of optional accessories make these machines suitable for most industrial applications, including job shops, oil field, power utilities and ship building.

Features

- 12 Geared Head Spindle Speeds allow optimum cutting speed for a wide range of machining applications. Speed range 12 to 1000 rpm
- 20 Hp Spindle Motor for exceptional machining power standard
- All gears are made from chromium molybdenum steel treated with cementation and precision ground for long-life and dependability
- One-piece cast iron bed from the ways to floor provides a solid foundation to ensure maximum stability and rigidity under heavy machining operations
- 18" Bed Width, Hardened and Ground, support the saddle and carriage assembly allowing superior positioning and repeatability accuracy
- Turcite 'B' is fitted between saddle and bed to greatly reduce friction and stick-slip for smooth operation and superior surface finishes. The low friction Turcite 'B' also minimizes bed wear and extends the life of the machine
- Immersing Style Lead Screw reduces abrasion
- 4-way Rapid Traverse for positioning and setup
- 4-way Power Feed for longitudinal, cross and compound feeds
- Tailstock with 4.18" manual positioning for ease of setup and operation
- 4.1" Spindle Bore supported with taper spindle bearings provides outstanding spindle performance and load carrying capabilities, optional spindle bores available
- Coolant system for tool life and part cooling
- Automatic lubrication system to all guideways
- Guarding powder coated for durability
- Full rear splash guard with chip pan

C30 SERIES



The C26 and C30 series large swing Variable Speed engine lathes are engineered to allow the accurate and efficient machining of large components. A wide range of optional accessories make these machines suitable for most industrial applications, including job shops, oil field, power utilities and ship building.

Features

- Variable Spindle Speeds allow optimum cutting speed for a wide range of machining applications. Speed range from 14 to 1000 rpm
- 20 Hp Spindle Motor for exceptional machining power standard
- All gears are made from chromium molybdenum steel treated with cementation and precision ground for long-life and dependability
- One-piece cast iron bed from the ways to floor provides a solid foundation to ensure maximum stability and rigidity under heavy machining operations
- 18" Bed Width, Hardened and Ground, support the saddle and carriage assembly allowing superior positioning and repeatability accuracy
- Turcite 'B' is fitted between saddle and bed to greatly reduce friction and stick-slip for smooth operation and superior surface finishes. The low friction Turcite 'B' also minimizes bed wear and extends the life of the machine
- Immersing Style Lead Screw reduces abrasion
- 4-way Rapid Traverse for positioning and setup
- 4-way Power Feed for longitudinal, cross and compound feeds
- Tailstock with 4.18" manual positioning for ease of setup and operation
- 4.1" Spindle Bore supported with taper spindle bearings provides outstanding spindle performance and load carrying capabilities, optional spindle bores available
- Coolant system for tool life and part cooling
- Automatic lubrication system to all guideways
- Guarding powder coated for durability
- Full rear splash guard with chip pan

| | C1330J | C1340J | C1430J | C1440J | C1530J | C1540J | C1550J |
|----------------------------------|-------------------------------|---------------|-------------------|-----------------|------------------|-----------------|-----------------|
| CAPACITY | | | | | | | |
| Height of Center | 6.5" (165 mm) | | 7" (178 mm) | | 7.5" (190 mm) | | |
| Swing Over Bed | 13" (330 mm) | | 14.25" (360 mm) | | 15.25" (390 mm) | | |
| Distance Between Centers | 30" (750 mm) | 40" (1000 mm) | 30" (750 mm) | 40" (1000 mm) | 30" (750 mm) | 40" (1000 mm) | 50" (1250 mm) |
| Swing in Gap | 19.5" (495 mm) | | 22" (560 mm) | | 24" (610 mm) | | |
| Width in Front of Faceplate | 6" (150 mm) | | 6" (150 mm) | | 6" (150 mm) | | |
| Swing Over Cross Slide | 7.5" (190 mm) | | 8.265" (215 mm) | | 9.5" (240 mm) | | |
| Bedway Width | 7.3" (185 mm) | | 10" (250 mm) | | 11" (270 mm) | | |
| Bed Length | 54.25" (1380 mm) | 65" (1650 mm) | 61.25"m (1560 mm) | 71.5" (1820 mm) | 66.5" (1710 mm) | 76.5" (1950 mm) | 86.5" (2200 mm) |
| HEADSTOCK | | | | | | | |
| Spindle Bore | 1.375" (35 mm) | | 1.625" (42 mm) | | 2.125" (54 mm) | | |
| Spindle Nose (camlock) | D1-4 | | D1-5 | | D1-6 | | |
| Spindle Nose Bushing Taper | MT4 | | MT5 | | MT6 | | |
| Spindle Center | MT3 | | MT3 | | MT4 | | |
| Number of Spindle Speeds G/H | 8 | 16 Optional | 8 | 16 Optional | 16 | | |
| Spindle Speed Range (rpm) | 105 – 2000 | 53 – 2000 | 70 – 2000 | 35 – 2000 | 25 – 2000 | | |
| Number of Spindle Speeds VS | 2 | | 2 | | 3 | | |
| Spindle Speed Range (rpm) | 40 – 2500 | | 35 – 2500 | | 20 – 2500 | | |
| CROSS/TOP SLIDE | | | | | | | |
| Cross Slide Travel | 7.5" (190 mm) | | 7.6" (195 mm) | | 9" (230 mm) | | |
| Width of Cross Slide | 4.72" (120 mm) | | 5.9" (150 mm) | | 6.47" (164.5 mm) | | |
| Top Slide Travel | 3.5" (90 mm) | | 4" (100 mm) | | 4.75 (120 mm) | | |
| Width of Top Slide | 2.99" (76 mm) | | 4.01" (102 mm) | | 4.01" (102 mm) | | |
| TAILSTOCK | | | | | | | |
| Quill Travel | 4.375" (110 mm) | | 4.75" (120 mm) | | 6.125" (155 mm) | | |
| Quill Diameter | 1.56" (40 mm) | | 2" (50 mm) | | 2.312" (58.5 mm) | | |
| Quill Taper | MT3 | | MT3 | | MT4 | | |
| FEEDS AND THREADING | | | | | | | |
| Longitudinal Feed Range (in/rev) | 0.0008 – 0.0410 | | 0.0012 – 0.016 | | 0.0015 – 0.04 | | |
| (mm/rev) | 0.02 – 1.04 | | 0.03 – 0.40 | | 0.04 – 1.00 | | |
| Cross Feed Range (in) | approx. 1/3 longitudinal-feed | | 0.0004 – 0.0053 | | 0.0008 – 0.02 | | |
| (mm) | approx. 1/3 longitudinal-feed | | 0.01 – 0.13 | | 0.02 – 0.50 | | |
| Number of Inch Pitches | 47 | | 36 | | 45 | | |
| Range of Inch Pitches | 4 – 144 TPI | | 4 – 72 TPI | | 2 – 72 TPI | | |
| Number of Metric Pitches | 44 | | 27 | | 39 | | |
| Range of Metric Pitches | 0.2 – 14 mm | | 0.4 – 7 mm | | 0.2 – 14 mm | | |
| Number of Diametrial Pitches | 30 | | 21 | | 21 | | |
| Range of Diametrial Pitches | 4 – 44 DP | | 8 – 44 DP | | 8 – 44 DP | | |
| Number of Module Pitches | 24 | | 18 | | 18 | | |
| Range of Module Pitches | 0.3 – 3.5 mm | | 0.3 – 3.5 mm | | 0.3 – 3.5 mm | | |
| MOTOR HP | | | | | | | |
| G/H Spindle Motor | 3 Hp | | 5 Hp | | 7.5 Hp | | |
| G/H Spindle Motor Two Speed Opt. | 3/1.5 Hp | | 5/3 Hp | | — | | |
| Variable Speed Motor | 3 Hp | | 5 Hp | | 7.5 Hp | | |
| Rapid Feed Motor | — | | — | | — | | |
| Coolant Motor | 1/8 Hp | | 1/8 Hp | | 1/8 Hp | | |
| DIMENSIONS | | | | | | | |
| Shipping L x W x H | 68"x36"x65" | 76"x36"x65" | 72"x36"x66" | 84"x36"x66" | 77"x40"x69" | 87"x40"x69" | 99"x40"x69" |
| Shipping Gross Weight Lbs | 1760 | 1914 | 2200 | 2420 | 2640 | 2970 | 3300 |
| Machine L x W x H | 65"x42"x62" | 76"x42"x62" | 63"x35"x50" | 74"x35"x50" | 77"x40"x50" | 87"x40"x50" | 97"x40"x50" |
| Machine Net Weight Lbs | 1474 | 1584 | 1870 | 1980 | 2200 | 2530 | 2860 |

| C1840J / C1860J C1880J / C18120J | C2040J / C2060J C2080J / C20120J | C2240J / C2260J C2280J / C22120 | C2679 / C26118 / C26157 | C3079 / C30118 / C30157 |
|--|--|--|--|--|
| 9" (228 mm) | 10" (254 mm) | 11" (330 mm) | 13" (330 mm) | 15" (380 mm) |
| 18" (460 mm) | 20" (510 mm) | 22" (560 mm) | 26.7" (680 mm) | 30.7" (780 mm) |
| 40" (950 mm), 60" (1450 mm), 80" (1950 mm), 120" (2950 mm) | | | 79" (2000 mm), 118" (3000 mm), 157" (4000 mm) | |
| 28" (710 mm) | 30" (760 mm) | 32" (810 mm) | 38.18" (970 mm) | 42.12" (1070 mm) |
| 8.7" (220 mm) | | | 19" (482 mm) | |
| 11.5" (290 mm) | 13.5" (340 mm) | 15.5" (810 mm) | 17.32" (440 mm) | 21.25" (540 mm) |
| 13" (345 mm) | | | 18" (458mm) | |
| (40") 83"(2110 mm), (60") 105" (2670 mm), (80") 125" (3175 mm), (120") 165" (4190 mm) | | | (79") 148" (3750 mm), (118") 187" (4750 mm), (157") 226" (5750 mm) | |
| 3.125" (80 mm) | | | 4.125" (105 mm) | 6" (155 mm) – OPT. |
| D1-8 | | | A2 – 11 (4" and 6") | |
| MT7 | | | — | |
| MT5 | | | — | |
| 16 | | | 12 | |
| 20 – 1600 | | | 12 – 1000 | |
| 3 | | | 3 | |
| 16 – 2000 | | | 14 – 1000 | |
| 10.5" (265 mm) | | | 15.35" (390 mm) | |
| 7.8" (198 mm) | | | — | |
| 5.1" (130 mm) | | | 9.5" (240 mm) | |
| 5.31" (135 mm) | | | — | |
| 7" (180 mm) | | | 4.13" (105 mm) | |
| 3" (75 mm) | | | 8.26" (210 mm) | |
| MT5 | | | MT6 | |
| 0.0015 – 0.04 | | | 0.0019 – 0.027 | |
| 0.04 – 1.00 | | | 0.05 – 0.7 | |
| 0.0008 – 0.02 | | | 0.00019 – 0.0135 | |
| 0.02 – 0.50 | | | 0.025 – 0.35 | |
| 45 | | | 36 | |
| 2 – 72 TPI | | | 2 – 28 TPI | |
| 39 | | | 65 | |
| 0.2 – 14 mm | | | 0.8 – 14 mm | |
| 21 | | | 36 | |
| 8 – 44 DP | | | 4 – 56 DP | |
| 18 | | | 22 | |
| 0.3 – 3.5 mm | | | 0.5 – 7 Mod | |
| 12.5 Hp | | | 20 Hp | |
| — | | | — | |
| 12.5 Hp | | | 20 Hp | |
| — | | | 1/4 Hp | |
| 1/8 Hp | | | 1/8 Hp | |
| 40: 97"x44"x75" 60: 116"x44"x75" 80: 136"x44"x75" 120: 176"x44"x75" | 40: 97"x44"x76" 60: 116"x44"x76" 80: 136"x44"x76" 120: 176"x44"x76" | 40: 97"x44"x78" 60: 116"x44"x78" 80: 136"x44"x78" 120: 176"x44"x78" | 79: 166"x60"x63" 118: 205"x60"x63" 157: 244"x60"x63" | 79: 166"x60"x65" 118: 205"x60"x65" 157: 244"x60"x65" |
| 4510/5060/5830/8360 | 4950/5500/6270/8800 | 5500/5940/6710/9240 | 9,149/10,692/12,345 | 9,149/10,692/12,345 |
| 40: 88"x43"x52" 60: 108"x43"x52" 80: 128"x43"x52" 120: 168"x43"x52" | 40: 88"x43"x53" 60: 108"x43"x53" 80: 128"x43"x53" 120: 168"x43"x53" | 40: 88"x43"x54" 60: 108"x43"x54" 80: 128"x43"x54" 120: 168"x43"x54" | 79: 154"x48.8"x55.1" 118: 193"x48.8"x55.1" 157: 232"x48.8"x55.1" | 79: 154"x48.8"x57.1" 118: 193"x48.8"x57.1" 157: 232"x48.8"x57.1" |
| 3960/44005060/7260 | 4400/4840/5500/7700 | 4840/5280/5940/8140 | 8,598/9,921/11,243 | 8,598/9,921/11,243 |

C13, C14, C15, C18-22

Standard Equipment

- Low voltage controls
- Coolant system
- Motor and electrics controls system
- 3-Jaw chuck
- 4-way turret toolpost
- Thread dial
- Feed rod overload clutch
- Dead centers & center sleeve
- Leveling blocks
- Service tools and toolbox
- Work light for work area
- Instruction & parts manual
- Small steady rest w/rollers
- Micrometer bed stop w/5 position turret

C26, C30

Standard Equipment

- Hardened and ground bed ways
- Hardened and ground gears
- Chuck guard with limit switch
- 20 Hp motor with inverter drive
- Variable Spindle Speeds, 14-1000 rpm, auto 3 range manual speed change
- Geared Head Spindle Speeds, 12-1000 rpm
- 11" Capacity Steady Rest
- Follower Rest
- 4-way Rapid Traverse
- 4-way Power Feed
- 4-way, 8-position Tool Post
- 1.75" Lead screw
- Lead screw cover
- Coolant system
- Automatic lubrication system
- Traveling chip guard
- Full rear splash guard with chip pan
- Thread dial
- Manual tailstock w/ manual movement and anti slip lock
- Lockable main switch
- Halogen work light
- Leveling screws and pads
- Tools, tool box, operation manual

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- Clausing Radial Drills

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- Clausing CNC Bed Mills
- Clausing Knee Mills
- Clausing EVS Knee Mills
- Clausing CNC Knee Mills
- Clausing Universal Mills

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- Clausing Manual Grinders
- Clausing 2 Axes Hydraulic Grinders
- Clausing 3 Axes Hydraulic Grinders
- Clausing ASDIII Automatic Grinders
- Clausing OD/ID Grinders

Clausing Precision Cutting Machines

- Clausing/Kalamazoo Horizontal Bandsaws
- Clausing/Kalamazoo Vertical Bandsaws
- Clausing/Kalamazoo Tilt Frame Miter Bandsaws
- Clausing/Kalamazoo Cold Saws

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- Clausing/Colchester Professional V.S. Lathes
- Clausing/Colchester MAGNUM V.S. Lathes
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