

Clausing Metosa Lathes

600 Group

*A Full Line of Quality Constructed,
High Performance, Affordable, Soft Start
and Variable Speed Lathes*



**Quality Manufactured in Europe to
International Standards 13", 14", 15", 17",
20" & 24" Swing Lathes**

The CLAUSING/METOSA 13" lathe, designed to give you years of trouble-free turning, will make a valuable addition to your tool room or machine shop... Just Add Your Chuck and You're Ready to Turn.



Headstock & Control Panel:

The 9 speed heavy-duty headstock is fully geared. All gears are hardened and ground and run in a continual bath of oil. Our main spindle is made of forged, quenched and tempered steel, with a case hardened spindle nose and mounted on precision taper roller bearings. The control panel is designed for operator convenience and efficiency.

Carriage & Apron:

Easy-to-operate controls means increased productivity. Easy-to-read dual inch and metric dials and a quick change tool post is standard equipment on the 13" lathe.



Micro Carriage Stop:

For precision machining the Micro Carriage Stop is standard on the 13" lathe.



4-Position Bed Stop:

The 4-Position Bed Stop is standard and allows fast and accurate turning of multiple lengths.



Bed & Bedways:

The extra wide 10" bed is scientifically designed and constructed of stabilized cast iron with bedways hardened and ground to a hardness of 42 to 47 Rc. The bed is designed with tapered cross braces for fast and easy chip removal. The bed is engineered to absorb vibration to ensure smooth accurate operation.



Tailstock:

An extra heavy-duty casting for maximum rigidity is equipped with a 1.9" ram with 3MT taper. The tailstock ram is marked with a graduated scale and the handwheel ring is indexed for accurate ram positioning.

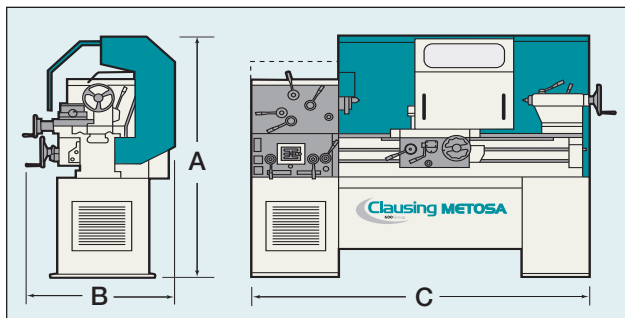


13" GEARED HEAD LATHES

| Specifications: | 13" |
|-----------------------------------|-------------------------------|
| Capacity | |
| Swing over bed | 13.2" (335mm) |
| Center height | 6.5" (165mm) |
| Swing in gap | 18.3" (490mm) |
| Gap length in front of face plate | 5.1" (130mm) |
| Swing over carriage | 12.2" (310mm) |
| Swing over cross slide | 6.89" (175mm) |
| Bed width | 10" (250mm) |
| Headstock | |
| Spindle bore | 1.65" (42mm) |
| Spindle nose | D1-5 |
| Spindle taper | 4MT |
| No. of speeds | 9 |
| Spindle speed range (rpm) | 60-2000* |
| Thread and feed box | |
| No. of longitudinal feeds | 44 |
| Range | 0.0018"-0.026" (.05-.75mm) |
| No. of cross feeds | 44 |
| Range | 0.0005"-0.0076" (.025-.375mm) |
| No. of metric threads | 44 |
| Range (mm) | 0.5-7.5 |
| No. of inch threads | 44 |
| Range (t.p.i.) | 4-60 |
| No. of modular threads | 44 |
| Range | 0.25-3.75 |
| No. of diametral | 44 |
| Range | 8-120 |
| Leadscrew dia./TPI | 1.26"/4 |
| Slides and carriage | |
| Cross slide travel | 9.65" (245mm) |
| Top slide travel | 4.72" (120mm) |
| Max. tool size | 5/8" x 5/8" (16 x 16mm) |
| Tailstock | |
| Tailstock ram diameter | 1.9" (48mm) |
| Tailstock ram travel | 5.51" (48mm) |
| Tailstock taper | 3MT |
| Motors | |
| Spindle motor | 3 Hp (2.2Kw) |
| Pump motor (Hp) | 3/4 Hp (.06Kw) |

(Specifications subject to change without notification)

Dimensions, Center Distance and Weight:



| MODEL | A | B | C | CENTER DISTANCE | WEIGHT |
|--------|----------------|---------------|----------------|----------------------|-------------------|
| C1340S | 50.5" (1485mm) | 37.5" (950mm) | 85.4" (2170mm) | 40" (1000mm) St. Bed | 1985 lbs. (900Kg) |
| C1340 | 50.5" (1485mm) | 37.5" (950mm) | 85.4" (2170mm) | 40" (1000mm) Gap | 1985 lbs. (900Kg) |

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.

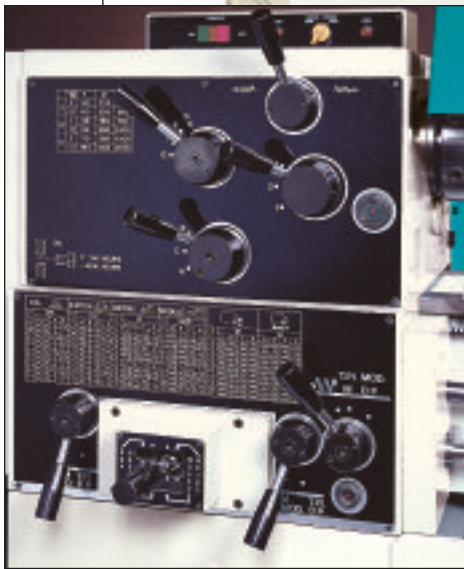
* 208v is a special order or optional transformer required

* Spindle speed, (rpm)

60 - 115 - 175 - 275 - 450

660 - 1,075 - 1,750 - 2,000

Put the versatility of the dependable CLAUSING/METOSA 14" Lathe in your machine shop and watch your production increase year after year after year... Just Add Your Chuck and You're Ready to Turn.



Headstock & Control Panel:

The 14" CLAUSING/METOSA Lathe is equipped with a two-speed spindle drive motor that drives a 9 speed, fully geared heavy-duty headstock giving you a total of 18 spindle speeds. All gears are hardened and ground and run in a continual bath of oil. The spindle is made of forged, quenched and tempered steel, with a case hardened spindle nose and mounted on precision taper roller bearings. The easy-to-operate control panel is designed for efficiency.

Carriage & Apron:

Controls are designed for easy operation to ensure maximum productivity. Easy-to-read dual inch and metric dials and a quick change tool post are standard equipment on the 14" lathe.



Micro Carriage Stop:

A standard feature on the 14" lathe, the Micro Carriage Stop, allows accurate positioning of the carriage.



4-Position Bed Stop:

The 4-Position Bed Stop is standard and allows fast and accurate turning of multiple lengths.



Bed & Bedways:

The extra-wide bed with tapered cross braces for fast and easy chip removal. Constructed of stabilized cast iron with bedways hardened and ground to a hardness of 42 to 47 Rc. The bed is specially engineered to absorb vibration and ensure smooth, accurate operation.



Tailstock:

A heavy-duty casting design for maximum rigidity to support work pieces or tooling. The 1.9" ram with 3MT taper has a graduated scale and the handwheel ring is indexed for accurate ram positioning.

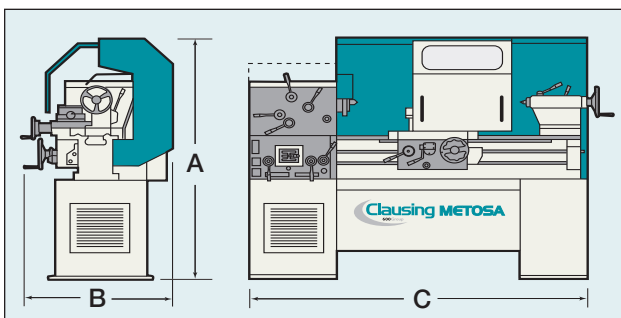


14" GEARED HEAD LATHES

| Specifications: | 14" |
|-----------------------------------|-------------------------------|
| Capacity | |
| Swing over bed | 14.2" (360mm) |
| Center height | 7.1" (180mm) |
| Swing in gap | 20.4" (520mm) |
| Gap length in front of face plate | 5.1" (130mm) |
| Swing over carriage | 13.2" (335mm) |
| Swing over cross slide | 8.1" (205mm) |
| Bed width | 10" (250mm) |
| Headstock | |
| Spindle bore | 1.65" (42mm) |
| Spindle nose | D1-5 |
| Spindle taper | 4MT |
| No. of speeds | 9 |
| Spindle speed range (rpm) | 30-2000* |
| Thread and feed box | |
| No. of longitudinal feeds | 44 |
| Range | 0.0018"-0.026" (.05-.75mm) |
| No. of cross feeds | 44 |
| Range | 0.0005"-0.0076" (.025-.375mm) |
| No. of metric threads | 44 |
| Range (mm) | 0.5-7.5 |
| No. of inch threads | 44 |
| Range (t.p.i.) | 4-60 |
| No. of modular threads | 44 |
| Range | 0.25-3.75 |
| No. of diametral | 44 |
| Range | 8-120 |
| Leadscrew dia./TPI | 1.26"/4 |
| Slides and carriage | |
| Cross slide travel | 9.65" (245mm) |
| Top slide travel | 4.72" (120mm) |
| Max. tool size | 3/4" x 3/4" (20 x 20mm) |
| Tailstock | |
| Tailstock ram diameter | 1.9" (48mm) |
| Tailstock ram travel | 5.51" (48mm) |
| Tailstock taper | 3MT |
| Motors | |
| Spindle motor | 3/4.2 Hp (2.2Kw) |
| Pump motor (Hp) | 3/4 Hp (.06Kw) |

(Specifications subject to change without notification)

Dimensions, Center Distance and Weight:



| MODEL | A | B | C | CENTER DISTANCE | WEIGHT |
|--------|----------------|---------------|----------------|----------------------|-------------------|
| C1440S | 50.5" (1485mm) | 37.5" (950mm) | 85.4" (2170mm) | 40" (1000mm) St. Bed | 1985 lbs. (900Kg) |
| C1440 | 50.5" (1485mm) | 37.5" (950mm) | 85.4" (2170mm) | 40" (1000mm) Gap | 1985 lbs. (900Kg) |

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)

30 - 46 - 60 - 70 - 92 - 110 - 140
180 - 220 - 265 - 360 - 430 - 530
700 - 860 - 1000 - 1400 - 2000

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.



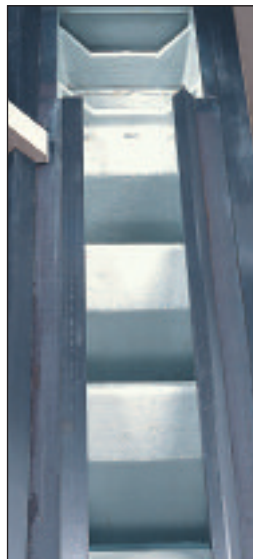
Tailstock:

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)

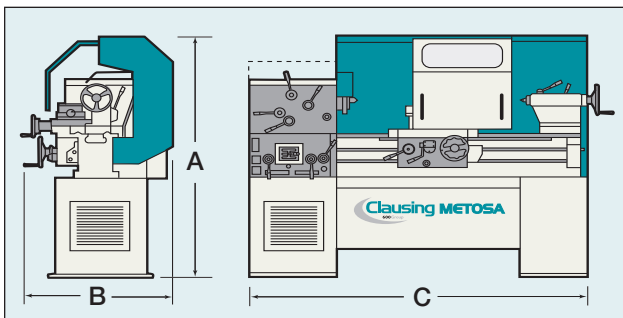
40 - 72 - 92 - 185 - 340 - 425 - 625
950 - 1,150 - 1,400 - 1,750 - 2,200

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) | 1" x 1" (25 x 25mm) | 1" x 1" (25 x 25mm) | 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) |

For your larger turning needs the CLAUSING/METOSA 20" & 24" Variable Speed or Soft Start Precision Lathes will be a real workhorse in your shop. The 24" Pipe Threading Lathe has an extra large spindle bore and lower spindle speeds for threading, polishing and grinding.



Heavy-duty cast-iron base construction on all 20" and 24" models

Carriage & Apron:

Easy-to-operate controls designed for operator efficiency. The 20" & 24" lathes are equipped with a quick change tool post and the easy-to-read dual inch and metric dials.



Tailstock:

Extra heavy-duty casting for maximum work support and rigidity with a 2.83" ram with 5MT taper. The ram has a graduated scale and handwheel ring that is indexed for accurate ram positioning.



Bed & Bedways:

The extra-wide 13-3/4" bed is scientifically designed with tapered cross braces for fast and easy chip removal and constructed of stabilized cast iron with bedways hardened and ground to a hardness of 42 to 47 Rc. The bed is mounted on a heavy-duty cast iron base that is specially engineered to absorb vibration and ensure smooth, accurate operation.



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)

30 - 44 - 62 - 86 - 110 - 170 - 230
350 - 500 - 750 - 1,100 - 1,500

* Spindle speed big bore, (rpm)

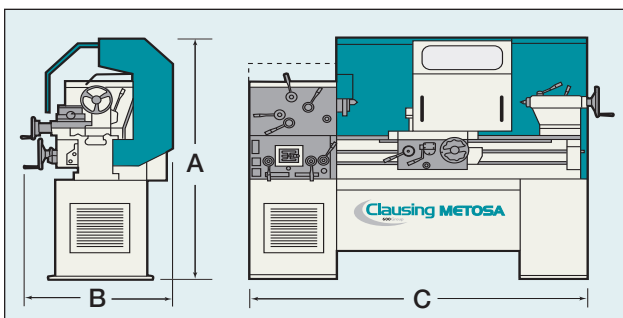
16 - 25 - 36 - 46 - 55 - 85 - 125
160 - 260 - 400 - 600 - 750

20" & 24" GAP BED LATHES

| Specifications: | 20" Soft Start | 20" Variable Speed | 24" Soft Start | 24" Variable Speed | 24" Big Bore |
|-------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Capacity | | | | | |
| Swing over bed | 20.87" (530mm) | 20.87" (530mm) | 24.41" (620mm) | 24.41" (620mm) | 24.41" (620mm) |
| Center height | 10.24" (260mm) | 10.24" (260mm) | 12.20" (310mm) | 12.20" (310mm) | 12.25" (310mm) |
| Swing in gap | 30.71" (780mm) | 30.71" (780mm) | 34.65" (880mm) | 34.65" (880mm) | 34.65" (880mm) |
| Gap length (in front of face plate) | 8.46" (215mm) | 8.46" (215mm) | 7.87" (200mm) | 7.87" (200mm) | 7.87" (200mm) |
| Swing over carriage | 18.70" (475mm) | 18.70" (475mm) | 22.83" (580mm) | 22.83" (580mm) | 22.83" (580mm) |
| Swing over cross slide | 12.80" (325mm) | 12.80" (325mm) | 16.73" (425mm) | 16.73" (425mm) | 16.73" (425mm) |
| Bed width | 13.78" (350mm) | 13.78" (350mm) | 13.78" (350mm) | 13.78" (350mm) | 13.78" (350mm) |
| Headstock | | | | | |
| Spindle bore | 2.68" (68mm) | 2.68" (68mm) | 3.15" (80mm) | 3.15" (80mm) | 6.10" (155mm) |
| Spindle nose | D1-8 | D1-8 | D1-8 | D1-8 | A2-11 |
| Spindle taper | 5MT | 5MT | 5MT | 5MT | 5MT |
| No. spindle speeds (Soft Start) | 12* | - | 12* | - | 12* |
| Spindle speed (rpm) | 30-1500 | 0-1700 | 30-1500 | 0-1700 | 16-750 |
| No. spindle speeds ranges (VS) | - | 3 | - | 3 | - |
| Low speed range (rpm) | - | 0-240 | - | 0-240 | - |
| Medium speed range (rpm) | - | 240-630 | - | 240-630 | - |
| High speed range (rpm) | - | 630-1700 | - | 630-1700 | - |
| Thread and feed box | | | | | |
| No. of longitudinal feeds | 55 | 55 | 55 | 55 | 55 |
| Range (inches) | 0.0018-0.052 (.05-1.5mm) | 0.0018-0.052 (.05-1.5mm) | 0.0018-0.052 (.05-1.5mm) | 0.0018-0.052 (.05-1.5mm) | 0.0018-0.052 (.05-1.5mm) |
| No. of cross feeds | 55 | 55 | 55 | 55 | 55 |
| Range (inches) | 0.0005-0.015 (.025-.75mm) | 0.0005-0.015 (.025-.75mm) | 0.0005-0.015 (.025-.75mm) | 0.0005-0.015 (.025-.75mm) | 0.0005-0.015 (.025-.75mm) |
| No. of metric threads | 55 | 55 | 55 | 55 | 55 |
| Range (mm) | 0.5-15 | 0.5-15 | 0.5-15 | 0.5-15 | 0.5-15 |
| No. of inch threads | 55 | 55 | 55 | 55 | 55 |
| Range | 2-60 | 2-60 | 2-60 | 2-60 | 2-60 |
| No. of modular thread | 55 | 55 | 55 | 55 | 55 |
| Range | 0.25-7.5 | 0.25-7.5 | 0.25-7.5 | 0.25-7.5 | 0.25-7.5 |
| No. of diametral pitch threads | | | | | |
| Range | 4-120 | 4-120 | 4-120 | 4-120 | 4-120 |
| Leadscrew dia./TPI | 1.38"/4 | 2.56" | 2.56" | 2.56" | 2.56" |
| Slide and carriage | | | | | |
| Cross slide travel | 13.98" (355mm) | 13.98" (355mm) | 14.37" (365mm) | 14.37" (365mm) | 14.37" (365mm) |
| Compound travel | 6.50" (165mm) | 6.50" (165mm) | 7.08" (180mm) | 7.08" (180mm) | 7.08" (180mm) |
| Max. tool size | 1" x 1" (25 x 25mm) | 1" x 1" (25 x 25mm) | 1" x 1" (25 x 25mm) | 1" x 1" (25 x 25mm) | 1" x 1" (25 x 25mm) |
| Tailstock | | | | | |
| Tailstock ram diameter | 2.83" (725mm) | 2.83" (725mm) | 2.83" (725mm) | 2.83" (725mm) | 2.83" (725mm) |
| Tailstock ram travel | 7.09" (180mm) | 7.09" (180mm) | 7.09" (180mm) | 7.09" (180mm) | 7.09" (180mm) |
| Tailstock taper | 5MT | 5MT | 5MT | 5MT | 5MT |
| Motors | | | | | |
| Spindle motor | 10 Hp (7.5Kw) | 12 (8Kw) | 10 Hp (7.5Kw) | 12 (8Kw) | 10 Hp (7.5Kw) |
| Pump motor | 3/4 Hp (.06Kw) | 3/4 (.06Kw) | 3/4 (.06Kw) | 3/4 (.06Kw) | 3/4 (.06Kw) |

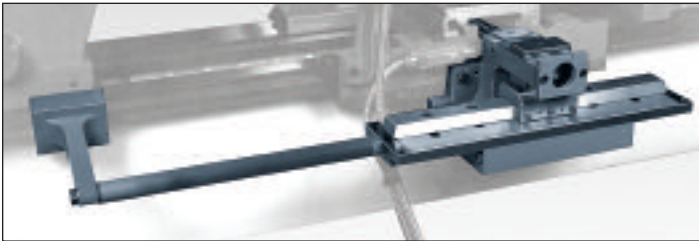
(Specifications subject to change without notification)

Dimensions, Center Distance and Weight:



| MODEL | A | B | C | CENTER DISTANCE | WEIGHT |
|-------------|----------------|----------------|-----------------|-----------------|---------------------|
| C2045SS/VS | 68.1" (1730mm) | 41.3" (1050mm) | 97.4" (2475mm) | 45" (1150mm) | 3,726 lbs. (1690Kg) |
| C2064SS/VS | 68.1" (1730mm) | 41.3" (1050mm) | 117.3" (2980mm) | 64" (1625mm) | 3,957 lbs. (1795Kg) |
| C2087SS/VS | 68.1" (1730mm) | 41.3" (1050mm) | 141.7" (3600mm) | 87" (2225mm) | 4,376 lbs. (1985Kg) |
| C20124SS/VS | 68.1" (1730mm) | 41.3" (1050mm) | 177.2" (4500mm) | 124" (1730mm) | 5,026 lbs. (2280Kg) |
| C2464SS/VS | 72.6" (1845mm) | 43.3" (1100mm) | 117.3" (2980mm) | 64" (1625mm) | 3,979 lbs. (1805Kg) |
| C2487SS/VS | 72.6" (1845mm) | 43.3" (1100mm) | 141.7" (3600mm) | 87" (2225mm) | 4,453 lbs. (2020Kg) |
| C24124SS/VS | 72.6" (1845mm) | 43.3" (1100mm) | 177.2" (4500mm) | 124" (1730mm) | 5,302 lbs. (2405Kg) |
| C2445PT | 72.6" (1845mm) | 43.3" (1100mm) | 107.2" (2725mm) | 45" (1150mm) | 3,880 lbs. (1760Kg) |
| C2464PT | 72.6" (1845mm) | 43.3" (1100mm) | 127.2" (3230mm) | 64" (1625mm) | 4,111 lbs. (1865Kg) |
| C2487PT | 72.6" (1845mm) | 43.3" (1100mm) | 151.6" (3650mm) | 87" (2225mm) | 4,585 lbs. (2080Kg) |
| C24124PT | 72.6" (1845mm) | 43.3" (1100mm) | 187.2" (4755mm) | 124" (1730mm) | 5,732 lbs. (2600Kg) |

Taper Attachment



The Taper Attachment is fitted to the rear of the carriage and permits taper turning without disengaging the cross feed screw. It is easy to set, always ready for use and does not interfere with normal operations. Capacity one setting 12" maximum, 2" taper per foot

| Part No | Lathe Size & Type | Weight |
|---------|--|---------|
| C13-06 | 13" swing Gap & St. Bed Geared Head Lathes | 80 lbs. |
| C14-06 | 14" swing Gap & St. Bed Geared Head Lathes | 80 lbs. |
| C15-06 | 15" swing Soft Start & Variable Speed Lathes | 88 lbs. |
| C17-06 | 17" swing Soft Start & Variable Speed Lathes | 88 lbs. |
| C20-06 | 20" swing Soft Start & Variable Speed Lathes | 90 lbs. |
| C24-06 | 24" swing Soft Start & Variable Speed Lathes | 90 lbs. |



Extra Steady Rest

The Steady Rest provides support for long or slender work and allows heavy cuts without chatter. Capacities are sized for lathe models.

| Part No | Lathe Size & Type | Capacity | Fingers | Weight |
|----------|--|-------------------------|---------|---------|
| C13-13 | 13" swing Gap & St. Bed Geared Head Lathes | .39"-4.52" (10 - 115mm) | Bronze | 37 lbs. |
| C14-13 | 14" swing Gap & St. Bed Geared Head Lathes | .39"-4.52" (10 - 115mm) | Bronze | 40 lbs. |
| C15-13 | 15" swing Soft Start & Variable Speed Lathes | .39"-5.12" (10 - 130mm) | Bronze | 45 lbs. |
| C17-13 | 17" swing Soft Start & Variable Speed Lathes | .39"-5.12" (10 - 130mm) | Bronze | 48 lbs. |
| C20-13 | 20" swing Soft Start & Variable Speed Lathes | .39"-7.28" (10 - 185mm) | Bronze | 55 lbs. |
| C24-13 | 24" swing Soft Start & Variable Speed Lathes | .39"-7.28" (10 - 185mm) | Bronze | 58 lbs. |
| C24-13PT | 24" swing Soft Start Large Bore Lathes | .78"-8.84" (20 - 250mm) | Bronze | 62 lbs. |

Follower Rest

The Follower Rest mounts on the carriage and moves with it, providing workpiece support close to the cutting tool...

| Part No | Lathe Size & Type | Capacity | Fingers | Weight |
|----------|--|-------------------------|---------|---------|
| C13-02 | 13" swing Gap & St. Bed Geared Head Lathes | .39"-2.75" (10 - 70mm) | Bronze | 27 lbs. |
| C14-02 | 14" swing Gap & St. Bed Geared Head Lathes | .39"-2.75" (10 - 70mm) | Bronze | 30 lbs. |
| C15-02 | 15" swing Soft Start & Variable Speed Lathes | .39"-3.15" (10 - 80mm) | Bronze | 35 lbs. |
| C17-02 | 17" swing Soft Start & Variable Speed Lathes | .39"-3.15" (10 - 80mm) | Bronze | 38 lbs. |
| C20-02 | 20" swing Soft Start & Variable Speed Lathes | .59"-4.92" (15 - 125mm) | Bronze | 45 lbs. |
| C24-02 | 24" swing Soft Start & Variable Speed Lathes | .59"-4.92" (15 - 125mm) | Bronze | 48 lbs. |
| C24-02PT | 24" swing Soft Start Large Bore Lathes | .78"-6.50" (20 - 165mm) | Bronze | 52 lbs. |



Live Center

Revolving center is concentric within .0002" T.I.R. 60° point rotates on roller bearings.



| Part No. | Lathe Size & Type | Weight |
|----------|--|--------|
| 12-510 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | 2 lbs. |
| 15-710 | 15" & 17" swing Soft Start & Variable Speed Lathes | 3 lbs. |
| 17-910 | 20" & 24" swing Soft Start & Variable Speed Lathes | 9 lbs. |

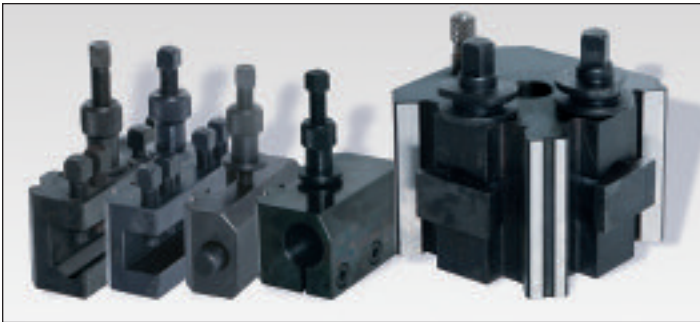


Round Tool Post

| Part No | Lathe Size & Type | Weight |
|---------|--|---------|
| C13-04 | 13" swing Gap & St. Bed Geared Head Lathes | 80 lbs. |
| C14-04 | 14" swing Gap & St. Bed Geared Head Lathes | 80 lbs. |
| C15-04 | 15" swing Soft Start & Variable Speed Lathes | 88 lbs. |
| C17-04 | 17" swing Soft Start & Variable Speed Lathes | 88 lbs. |
| C20-04 | 20" swing Soft Start & Variable Speed Lathes | 90 lbs. |
| C24-04 | 24" swing Soft Start & Variable Speed Lathes | 90 lbs. |

Accessories

Extra Quick Change Tool Post With 4 Holders



| Part No | Lathe Size & Type | Weight |
|---------|--|---------|
| C13-05 | 13" swing Gap & St. Bed Geared Head Lathes | 22 lbs. |
| C14-05 | 14" swing Gap & St. Bed Geared Head Lathes | 22 lbs. |
| C15-05 | 15" swing Soft Start & Variable Speed Lathes | 30 lbs. |
| C17-05 | 17" swing Soft Start & Variable Speed Lathes | 33 lbs. |
| C20-05 | 20" swing Soft Start & Variable Speed Lathes | 43 lbs. |
| C24-05 | 24" swing Soft Start & Variable Speed Lathes | 46 lbs. |



"V" Tool Holder

| Part No | Lathe Size | Capacity | Weight |
|---------|-----------------|--------------|--------|
| C13-05A | 13" & 14" swing | .75" (21mm) | 4 lbs. |
| C15-05A | 15" & 17" swing | 1" (27mm) | 4 lbs. |
| C17-05A | 20" & 24" swing | 1.25" (30mm) | 4 lbs. |

Boring Tool Holder

| Part No | Lathe Size | Capacity | Weight |
|---------|-----------------|--------------|--------|
| C13-05B | 13" & 14" swing | 1" (25mm) | 4 lbs. |
| C15-05B | 15" & 17" swing | 1" (25mm) | 4 lbs. |
| C17-05B | 20" & 24" swing | 1.25" (32mm) | 4 lbs. |



MT Tool Holder

| Part No | Lathe Size | Capacity | Weight |
|---------|-----------------|----------|--------|
| C13-05C | 13" & 14" swing | 2MT | 4 lbs. |
| C15-05C | 15" & 17" swing | 3MT | 4 lbs. |
| C17-05C | 20" & 24" swing | 5MT | 4 lbs. |

Straight Tool Holder

| Part No | Lathe Size | Capacity | Weight |
|---------|-----------------|--------------|--------|
| D13-05D | 13" & 14" swing | 1" (25mm) | 4 lbs. |
| D15-05D | 15" & 17" swing | 1" (25mm) | 4 lbs. |
| D17-05D | 20" & 24" swing | 1.25" (32mm) | 4 lbs. |



DORIAN Super Quick Change Tool Post With 4 Holders

Precision Super Quick Change Tool Post with triple action locking system, zero backlash and .0001" repeatability. Equipped with 3 square tool holders and 1 "v" tool holder.

| Part No | Lathe Size & Type | Capacity | Weight |
|---------|--|-----------------------|---------|
| D13-05 | 13" swing Gap & St. Bed Geared Head Lathes | 5/8" - 1" (16-25mm) | 35 lbs. |
| D14-05 | 14" swing Gap & St. Bed Geared Head Lathes | 3/4" - 1" (20-25mm) | 35 lbs. |
| D15-05 | 15" swing Soft Start & Variable Speed Lathes | 3/4" - 1" (20-25mm) | 35 lbs. |
| D17-05 | 17" swing Soft Start & Variable Speed Lathes | 3/4" - 1" (20-25mm) | 40 lbs. |
| D20-05 | 20" swing Soft Start & Variable Speed Lathes | 1" - 1-1/4" (25-32mm) | 40 lbs. |
| D20-05 | 24" swing Soft Start & Variable Speed Lathes | 1" - 1-1/4" (25-32mm) | 40 lbs. |

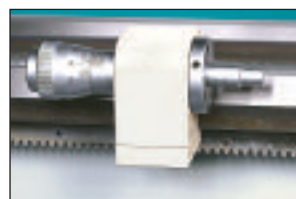
Roller Fingers for Stead Rest

| Part No. | Lathe Size & Type | Weight |
|----------|--|--------|
| C13-07 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | 2 lbs. |
| C15-07 | 15" & 17" swing Soft Start & Variable Speed Lathes | 3 lbs. |
| C20-07 | 20" & 24" swing Soft Start & Variable Speed Lathes | 9 lbs. |



Extra Dual Dials (inch/metric)

| Part No. | Lathe Size | Weight |
|----------|-----------------|--------|
| C13-08 | 13" & 14" swing | 7 lbs. |
| C15-08 | 15" & 17" swing | 3 lbs. |
| C20-08 | 20" & 24" swing | 9 lbs. |



Extra Micro Carriage Stop

| Part No. | Lathe Size | Weight |
|----------|-----------------|--------|
| C13-09 | 13" & 14" swing | 7 lbs. |
| C15-09 | 15" & 17" swing | 3 lbs. |
| C20-09 | 20" & 24" swing | 9 lbs. |

The last word in toolroom lathe productivity...Pick from one of these three world leading Digital Readout Systems available with Constant Surface Speed.



ACU-RITE® 300S LCD Digital Readout available with Constant Surface Speed (CSS)

The 300S Color digital readout is the ultimate in efficiency. This Intuitive, user-friendly readout comes equipped with machine specific software and easy to read, full color, flat screen 5.7" LCD display.

The ultimate in efficiency and turning productivity, utilizing state-of-the-art features...

- Simplify cutting metric threads on lathes with inch leadscrews with the NEW Thread Assist function (optional 1000 line encoder required)
- 16 Tool Offsets for easy compensation of different tool sizes
- Lock Axis feature, used in conjunction with tool offsetting, lets the operator establish tool offsets with the tool under load, resulting in reduced deflection
- Instant radius/diameter conversion reduces math errors and allows operator to machine to print
- Posit-Trac™; a unique feature that lets you easily, quickly and accurately re-establish workpiece zero after power loss
- 2, 3 or 4-axes 5.7" flat-screen LCD display
- Preset and zero reset
- Near-zero warning
- Instant inch/mm conversion
- Linear and non-linear error compensation
- Taper calculator
- Die-cast metal construction
- RS-232-C/V.24 serial port data interface

- Multiple program names with numerous steps
- Multiple display views - DR01 & DR02
- Job clock
- Feed rate display
- Advanced skew compensation
- Multiple language supports
- Absolute/incremental
- Help function
- 4 function calculator

Precision Glass Scales

ACU-RITE precision glass scales withstand the elements found in the harshest machine shop environments. As a result, our precision glass scales resist changes in size, shape or density due to temperature and humidity variation.

- Exceptional accuracy $\pm .00006"$ (1.5 μ m)
- Available in lengths from 1"–773" (25.4–19634mm)
- Resolution from .00002"–.0005" (.05–10 μ m)



Innova 40i DRO, with color TFT screen



The FAGOR DRO offers the user features that make the operators job easier

The Innova 40i for lathe applications offers the operator graphic assistance that no other DRO can offer such as taper calculation, the combination of the Z1 and Z2 axes or the 16 datum points for as many tool offsets that you can store.

- ¥ TFT color LCD display
- ¥ High clarity view from any angle
- ¥ NEW Threading software (TPI and metric threads)
- ¥ Solid graphics & 3D Simulation
- ¥ Conversational graphic help screen
- ¥ Friendly and intuitive operations
- ¥ Easy set-up and diagnosis
- ¥ Distance to Go bar for easy positioning
- ¥ Up to 16 tool offsets with hold feature
- ¥ Built-in calculator with auto recall
- ¥ Feedback alarms
- ¥ Taper calculation
- ¥ Combining the Z1 and Z2 axes
- ¥ Software travel limits for safety
- ¥ Re-Set, Pre-Set, direct mm/inch conversion
- ¥ FAGOR Warranty: 3 years and lifetime on the glass

NEWALL

DP900 Graphical DRO Outstanding Features with Leading Edge Technology



Newall's DP900 offers flexible features tailored for turning applications. Plus, with the use of a touch probe, part inspection calculations can be performed without removing the part from the machine.

- Rugged die cast chassis
- Cap-sense keypad
- 5.7" QVGA blue STN with CCFL backlight
- Absolute/Incremental readings
- Switchable resolutions
- Home reference
- Feed rate display
- Multiple program storage
- Data pre-set/re-set
- Tool path graphics in real time
- Probe input
- Polar co-ordinate readings
- Programmable memory with graphical Presentation
- Insert/delete sub data
- Teachmode with graphics
- Zero approach warning
- Sleep/data hold
- Navigation keys
- Zoom
- Intuitive help
- Job timer
- Touch probe option
- Calculator with trig functions
- Taper calculation, tap drill library
- Linear error compensation
- Segmented error compensation
- Vibration filtering
- Audible keystroke entry
- USB-B program storage
- Tool offsets
- Crisp, clean LCD

Face Plates

| Part No | Dia | Lathe Size & Type | Spindle | Weight |
|---------|--------|--|---------|----------|
| C13-01 | 12" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 24 lbs. |
| C15-01 | 13.75" | 15" swing Soft Start & Variable Speed Lathes | D1-6 | 43 lbs. |
| C17-01 | 15.75" | 17" swing Soft Start & Variable Speed Lathes | D1-6 | 48 lbs. |
| C20-01 | 19.5" | 20" swing Soft Start & Variable Speed Lathes | D1-8 | 106 lbs. |
| C24-01 | 23.5" | 24" swing Soft Start & Variable Speed Lathes | D1-8 | 148 lbs. |

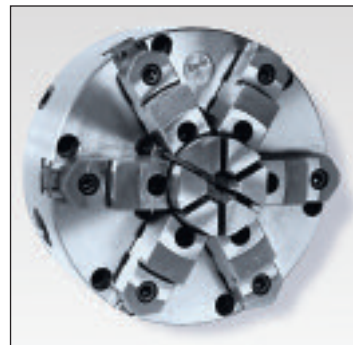
Halogen Work Light



Part No. FV-9070G



**Atlas Easy-Set™
Self-Centering 3-Jaw
Universal Chucks**



**Atlas Easy-Set™
Self-Centering 6-Jaw
Universal Chucks**

Atlas Universal Easy-Set™ 3-Jaw Chucks are precision manufactured with a .0005 TIR repeatability on duplicate parts. The semi-steel body allows high metal removal rates. 3-Jaw Easy-Set Chucks are supplied with two-piece tongue and groove jaws. Easy-Set chucks have 4 adjusting screws, hardened scroll and hardened pinion. All chucks have a one year warranty.

Atlas Universal Easy-Set™ 6-Jaw Chucks are precision manufactured with a .0005 TIR repeatability on duplicate parts. The semi-steel body allows high metal removal rates. 6-Jaw Easy-Set Chucks are supplied with two-piece tongue and groove jaws. Easy-Set chucks have 4 adjusting screws, hardened scroll and hardened pinion. All chucks have a one year warranty.

| 3 Jaw Part No | Dia | Lathe Size & Type | Spindle Size | Max. rpm | Weight |
|---------------|-----|--|--------------|----------|----------|
| EZ63D5 | 6" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 3000 | 20 lbs. |
| EZ83D5 | 8" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 2800 | 43 lbs. |
| EZ103D5 | 10" | 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 2500 | 67 lbs. |
| EZ83D6 | 8" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2800 | 43 lbs. |
| EZ103D6 | 10" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2500 | 67 lbs. |
| EZ123D6 | 12" | 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2100 | 104 lbs. |
| EZ103D8 | 10" | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 2500 | 67 lbs. |
| EZ123D8 | 12" | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 2100 | 104 lbs. |
| EZ153D8 | 15" | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 1800 | 141 lbs. |

| 3 Jaw Part No | Dia | Lathe Size & Type | Spindle Size | Max. rpm | Weight |
|---------------|-----|--|--------------|----------|----------|
| EZ66D5 | 6" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 3000 | 18 lbs. |
| EZ86D5 | 8" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 2800 | 47 lbs. |
| EZ106D5 | 10" | 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 2500 | 70 lbs. |
| EZ86D6 | 8" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2800 | 47 lbs. |
| EZ106D6 | 10" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2500 | 70 lbs. |
| EZ126D6 | 12" | 17" swing Soft Start & Variable Speed Lathes | D1-6 | 2100 | 108 lbs. |
| EZ106D8 | 10" | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 2500 | 70 lbs. |
| EZ126D8 | 12" | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 2100 | 108 lbs. |



Atlas 4-Jaw Independent Standard Duty Iron Body Chucks

Atlas Independent Chucks are precision manufactured and supplied with iron bodies, hardened and ground operating screws and solid reversible jaws. Atlas Independent Chucks come with a one year warranty.



Atlas Self-Centering 3-Jaw Medium-Duty Universal Chucks

Atlas Self-Centering 3-Jaw Universal Chucks are supplied with semi-steel bodies, hardened scroll and pinions and two-piece American Standard tongue and groove jaws. Atlas Self-Centering 3 Jaw Universal Chucks come with a one year warranty.

| Part No | Dia | Lathe Size & Type | Spindle Size | Weight |
|-----------|-----|--|--------------|---------|
| 0844-10D5 | 8" | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 35 lbs |
| 1044-10D5 | 10" | 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 52 lbs |
| 1044-10D6 | 10" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 54 lbs |
| 1244-10D6 | 12" | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 82 lbs |
| 1644-10D6 | 16" | 17" swing Soft Start & Variable Speed Lathes | D1-6 | 146 lbs |
| 1644-10D8 | 16" | 20" & 24" Soft Start & Variable Speed Lathes | D1-8 | 148 lbs |
| 2044-10D8 | 20" | 24" swing Soft Start & Variable Speed Lathes | D1-8 | 240 lbs |

| Part No | Dia | Lathe Size & Type | Spindle Size | Weight |
|------------|-----|--|--------------|---------|
| 2034-10D8 | 20" | 24" swing Soft Start & Variable Speed Lathes | D1-8 | 366 lbs |
| 2034-10D11 | 20" | 24" PT swing Soft Start Lathes | D1-11 | 358 lbs |

5C Front Mounted Hand Wheel Speed Collet Chuck

Fast and easy, front hand wheel operation reduces operator fatigue with accurate maximum cone TIR .0005". Easy installation, no drawtubes or linkages required. One year warranty.



Air Powered Front Mounted 5C Dead Length Collet

Easily convert any lathe into a production machine. No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Repeats on duplicate parts $\pm .00015$.



| Part No | Lathe Size & Type | Spindle | Weight |
|---------|--|---------|---------|
| PB30-00 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 15 lbs. |
| PB37-00 | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 17 lbs. |
| PB37-01 | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 23 lbs. |

Air Powered Front Mounted 16C Dead Length Collet

No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine. Repeats on duplicate parts $\pm .00015$.



| Part No | Lathe Size & Type | Spindle | Weight |
|-------------|--|---------|---------|
| ALT206-5CD5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 22 lbs. |
| ALT206-5CD6 | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 22 lbs. |
| ALT206-5CD8 | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 22 lbs. |

| Part No | Lathe Size & Type | Spindle | Weight |
|--------------|--|---------|---------|
| ALT207-16CD5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 30 lbs. |
| ALT207-16CD6 | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 30 lbs. |
| ALT207-16CD8 | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 30 lbs. |

Air Powered Front Mounted B42 Dead Length Collet

Repeats on duplicate parts $\pm .00015$. No hydraulic system required. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine.



Air Powered Front Mounted B60 Dead Length Collet

No hydraulic system required. Repeats on duplicate parts $\pm .00015$. No draw tube or air feed tubes restricting spindle bore. No rear cylinders and cylinder adapters. Easily convert any lathe into a production machine.



| Part No | Lathe Size & Type | Spindle | Weight |
|--------------|--|---------|---------|
| ALT207-B42D5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 35 lbs. |
| ALT206-B42D6 | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 35 lbs. |
| ALT206-B42D8 | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 35 lbs. |

| Part No | Lathe Size & Type | Spindle | Weight |
|--------------|--|---------|-----------|
| ALT207-B60D5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | D1-5 | 46.6 lbs. |
| ALT206-B60D6 | 15" & 17" swing Soft Start & Variable Speed Lathes | D1-6 | 46.6 lbs. |
| ALT206-B60D8 | 20" & 24" swing Soft Start & Variable Speed Lathes | D1-8 | 46.6 lbs. |

Pratt Burnerd Key-Operated Collet Chucks



This extremely accurate, .001" repeatability, economical chuck is completely sensitive for any gripping pressure. Its compact, efficient design is equipped with ball bearings and hardened

and ground components for lasting precision. Capacities from 1/6" through 2-1/2"

| Part No | Description | Lathe Size & Type | Bar Stock Capacity | Collet Capacity | Collet Type | Weight |
|------------|-------------|--|--------------------|-----------------|-------------|---------|
| 6012-31300 | KC15 D5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | 1/16"-1-1/2" | 1-1/2" | EC | 18 lbs. |
| 6012-31700 | KC20 D5 | 13" & 14" swing Gap & St. Bed Geared Head Lathes | 1/4"-2" | 2" | ED | 55 lbs. |
| 6012-51700 | KC20 D6 | 15" & 17" swing Soft Start & Variable Speed Lathes | 1/4"-2" | 2" | ED | 55 lbs. |
| 6012-52100 | KC25 D6 | 15" & 17" swing Soft Start & Variable Speed Lathes | 1/2"-2-1/2" | 2-1/2" | EE | 60 lbs. |
| 6012-62100 | KC25 D8 | 20" & 24" swing Soft Start & Variable Speed Lathes | 1/2"-2-1/2" | 2-1/2" | EE | 65 lbs. |

Pratt Burnerd Multi-Size Collets

for Key-Operated Chuck

The Pratt Burnerd multi-size collets provide an accurate, efficient and economical means of holding work, while eliminating the need for decimal, metric or special size collets. Each multi-size collet has a stepless gripping range of .125" with an extended range of $\pm .010$ " of size... accommodating both undersize and oversize work.

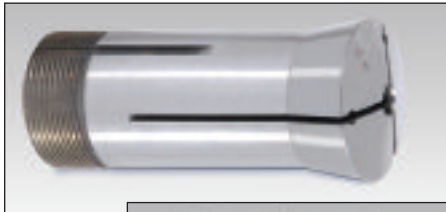
Most multi-size collets handle hex as well as round stock. Pratt Burnerd multi-size collets are very accurate, with no distortion. Gripping pressure is adjustable and the full-grip blades permit machining up to collet face. Accuracy is .0005" maximum eccentricity at the nose.



| EC Collets | | ED Collets | | EE Collets | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| 1/16-3/16 | 3150-30200 | 1/4-3/8 | 3150-40400 | 1/2-5/8 | 3150-50600 |
| 1/8-1/4 | 3150-30300 | 3/8-1/2 | 3150-40500 | 5/8-3/4 | 3150-50700 |
| 1/4-3/8 | 3150-30400 | 1/2-5/8 | 3150-40600 | 3/4-7/8 | 3150-50800 |
| 3/8-1/2 | 3150-30500 | 5/8-3/4 | 3150-40700 | 7/8-1 | 3150-50900 |
| 1/2-5/8 | 3150-30600 | 3/4-7/8 | 3150-40800 | 1-1 1/8 | 3150-51000 |
| 5/8-3/4 | 3150-30700 | 7/8-1 | 3150-40900 | 1 1/8-1 1/4 | 3150-51100 |
| 3/4-7/8 | 3150-30800 | 1-1 1/8 | 3150-41000 | 1 1/4-1 3/8 | 3150-51200 |
| 7/8-1 | 3150-30900 | 1 1/8-1 1/4 | 3150-41100 | 1 3/8-1 1/2 | 3150-51300 |
| 1-1 1/8 | 3150-31000 | 1 1/4-1 3/8 | 3150-41200 | 1 1/2-1 5/8 | 3150-51400 |
| 1 1/8-1 1/4 | 3150-31100* | 1 3/8-1 1/2 | 3150-41300 | 1 5/8-1 3/4 | 3150-51500 |
| 1/4-1 3/8 | 3150-31200 | 1 1/2-1 5/8 | 3150-41400 | 1 3/4-1 7/8 | 3150-51600 |
| 1 3/8-1 1/2 | 3150-31300 | 1 5/8-1 3/4 | 3150-41500 | 1 7/8-2 | 3150-51700 |
| SET | 3160-31300 | 1 3/4-1 7/8 | 3150-41600* | 2-2 1/8 | 3150-51800 |
| | | 1 7/8-2 | 3150-41700* | 2 1/8-2 1/4 | 3150-51900 |
| | | SET | 3160-41700 | 2 1/4-2 3/8 | 3150-52000* |
| | | | | 2 3/8-2 1/2 | 3150-52100* |
| | | | | SET | 3160-52100 |

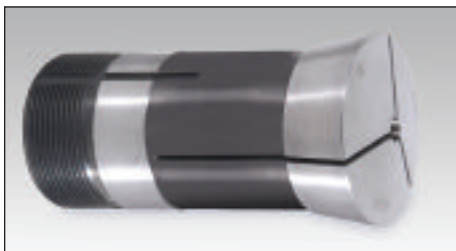
*For round stock only

Crawford 5C Round Collets



| Part No. | Sizes |
|-----------------------------|------------------------------------|
| 0123-R | 1/8" thru 1-1/8 by 64ths |
| 5C Round Collet Sets | |
| 0123-SET-4 | 1/16" thru 1-1/16" by 64ths |
| 0123-SET-5 | 1/16" thru 1-1/16" by 32nds |
| 0123-SET-6 | 1/16" thru 1-1/16" by 16ths |
| 0123-SET-7 | 1/8" thru 1" by 8ths |
| 7659 | Collet Rack for 13" and 15" lathes |

Crawford 16C Round Collets



| Part No. | Sizes |
|----------|---------------------------|
| G119-R | 1/16" thru 1-5/8 by 16ths |

Crawford B-42 Round Collets



| Part No. | Sizes |
|----------|---------------------------|
| 4728-R | 1/16" thru 1-5/8 by 16ths |

Crawford B-60 Round Collets



| Part No. | Sizes |
|----------|----------------------------|
| 4291-R | 1/16" thru 2-5/16 by 16ths |



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

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- Clausing/Colchester Professional V.S. Lathes
- Clausing/Harrison Standard Lathes
- Clausing Large Swing Standard and CNC Lathes
- Clausing/Metosa Standard Lathes

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