

NEWS & INFORMATION



Welcome to the long anticipated ONEWAY Product Catalog. Founded in 1991, our family-owned company has consistently produced the finest turning equipment available anywhere. The past year has been a very busy and exciting time as ONEWAY transitions into its third decade of state-of-the-art engineering and manufacturing technology.

With that transition comes many new developments that we would like to share with you. We have purchased a new green facility that has increased our manufacturing space by over 65,000 square feet. This expanded capability keeps all of our manufacturing, and more importantly, all of our workers employed in North America. And the new facility is very environmentally friendly featuring solar heating and low energy lighting. Our goal is to protect jobs and the environment while expanding our production capabilities to increase inventory allowing us to significantly decrease wait time for product delivery.

ONEWAY founder Tim Clay has set a standard for quality and innovation that is unparalleled in our industry. Together we have brought sweeping changes to the craft of woodturning. As we move forward, I will continue to collaborate with my father Tim in the design and engineering of new products that take both the hobbyist and professional woodturner to the next level. As woodturners we all understand the importance of forests and tree, not just as a source of wood but as a vital part of a liveable world. Woodturners are much more connected to trees than other woodworkers. We turn green and often harvest wood ourselves directly from the forest. At ONEWAY we understand this connection and always strive to improve efficiency and reduce our carbon footprint to help keep our planet, not just liveable but beautiful.

As always, for the latest news and up-to-date information on our entire product line, feel free to visit our web site at www.oneWAY.ca or www.oneWAYeuropa.com.

Happy Turning!

Kevin Clay



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ABOUT THIS Catalog

This is much more than just a Catalog of products. In it, you'll find many tips and techniques to improve your work and make your turning time more productive and enjoyable. We've also added select works from world-class, as well as up-and-coming turning artists to spark your imagination and enhance your creativity. Enjoy!

SATISFACTION GUARANTEE

If for any reason you are not completely satisfied with your ONEWAY product, return it within 90 days of purchase with your Order Number and we will gladly exchange, provide credit or refund the purchase price, whichever you prefer. You are responsible for shipping charges.

If, however, the 90 days have expired, ONEWAY will honor the guarantee, but a restocking charge will apply. Please call for details.

Important Notes:

1. Please call us prior to returning the product to obtain a Return Authorization Number, and provide us with the Order Number.
2. If your product was purchased from an Authorized ONEWAY Dealer, please contact them for details of their return policy.

MANUFACTURER'S WARRANTY

Oneway Manufacturing strives to offer the best warranties in the woodturning industry on all of our products. Our commitment to our product line has led to our industry leading, outstanding reputation for excellent products and warranty service.

Our warranty covers any defects due to faulty material or workmanship for a *minimum* of 2 years from the date of purchase. Many of our items are warranted for much longer time periods and specific warranty information is located on the instructions supplied with your product.

PRODUCT CHANGES

At ONEWAY we are continually looking for ways to improve our products as part of our continuous improvement policy and our ongoing commitment to quality. We therefore reserve the right to make product changes without notice. Because of this, photos in this Catalog may not be a true graphical representation of the final product.

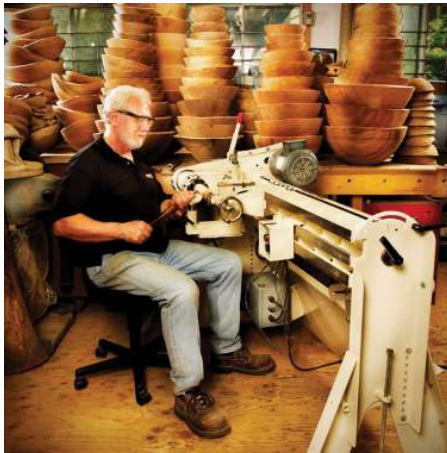
CUSTOMER SERVICE HOURS

Monday to Thursday 8:30am - 5pm (EST)
Friday 8:30am - 4:30pm (EST)

OUR PROMISE TO YOU

No False Claims.
Only High Quality Goods Sold.
Satisfaction Guaranteed
Or Your Money Back.

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2000 SERIES ■ 2436 ■ 2036 ■ 2416 ■ 2016

GENERAL DIMENSIONS

- Spindle Height: 6 different leg heights
- Power Input: 220V, Single Phase
- Length x Width: 60" x 31" or 40" x 31"
- Weight: Varies by model

HEADSTOCK FEATURES

- Spindle Safety Groove Locking Mechanism
- #2 Morse Taper
- Extended Spindle Nose
- Spindle Thread M33 x 3.5 RH Inboard & Outboard
- 48 Position Indexing and Spindle Lock
- 2 Duplex Bearing Spindle Design
- Cartridge Mount Spindle

TAILSTOCK FEATURES

- Handled for easy removal
- #3 Morse Taper
- 4" Quill Travel

TOOLREST FEATURES

- 14" Toolrest Included
- Patented* Toolrest Base Clamping Mechanism

ADDITIONAL FEATURES

- 1½, 2, & 3 Horse Power Packages Available
- Variable Speed Drive
- High Performance Powder Paint

- Moveable Pendant for Easy Access
- Adjustable Leg Height
- Tubular bed - almost perfect Torsional Rigidity



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LATHE SPECS	ITEM NO.	DISTANCE BETWEEN CENTERS	OVERALL LENGTH	SWING OVER BED	WEIGHT (APPROX.)	SUPPLIED EQUIPMENT
	2436	36"	60"	24"	850 lbs.	<ul style="list-style-type: none"> ■ 6" Faceplate ■ #2 MT Safe Driver ■ #3 MT Live Center Complete ■ 14" Toolrest ■ Knock Out Rod
	2416	16"	40"	24"	800 lbs.	
	2036	36"	60"	20"	650 lbs.	
	2016	16"	40"	20"	600 lbs.	
Footprint for 2436 & 2036: 60" x 31"						<p>ADJUSTABLE LEG HEIGHTS</p> <p>Customizing spindle height is as easy as choosing from the following different leg heights:</p> <ul style="list-style-type: none"> ■ 20" Swing Models: 41", 42", 43", 44", 45", 46" ■ 24" Swing Models: 43", 44", 45", 46", 47", 48"
Footprint for 2416 & 2016: 40" x 31"						

*Patent No. 6000447

FEATURES OF THE 2000 SERIES LATHES

THE DRIVE

AC Electronic Variable
0 - 3000 RPM with Full Speed Reverse

- Drive packages are fully electronic with speed from 0 - 3000 RPM
- 1.5, 2 & 3 Horse Power motors are available. Excellent torque is available at as low as 30 RPM with brute force available at as little as 100 RPM
- Speed ranges are 20 - 800/190 - 1900/305 - 3050. Changing range is easy and can be completed in under 1 minute
- Drive motor is mounted directly below the headstock in a base housing welded to the bed tube
- Drive pulleys are 3 step 10 groove poly V
- Controller comes programmed ready for use with selectable accel/decel and dynamic braking. It's a top quality drive, 220 volt, single phase AC - the very best we could find
- Drive controls are mounted on a swinging pendant which can be moved to the headstock or tailstock for easy and safe reach at all times
- Lathe runs extremely quiet

THE BED

Bedways and ribs are welded to a 10¾" dia. by 5/16" wall tube. The assembly is stress relieved and precision machined. Almost perfect torsional rigidity is achieved many times more so than twin tube or cast iron bed designs.

THE SPINDLE

- The spindle nose, which holds the front bearings, protrudes approximately 3" in front of the headstock allowing easy tool maneuvering when working on the backside of a plate or bowl.
- The thread is M33 x 3.5 with a groove machined for a lock screw to allow full power forward and reverse turning. This design contributes to the safety of this machine as it eliminates the possibility of chucks or faceplates accidentally unscrewing from the spindle.
- The spindle is the cartridge type and can be pulled fully assembled from the headstock by removing six bolts. If a belt ever needs to be changed, it should take less than ten minutes by even the most novice mechanic.

THE HEADSTOCK

- Features a three bearing spindle. At the front, one angular contact bearing is locked to the shaft with a clamp ring and lock nut. This minimizes radial and axial play of the spindle. The rear bearings float axially to allow for heat expansion. All bearings are maintenance free and lubricated for life.
- 6 position spindle lock and 7½° (48 position) indexing is standard (96 position is an available option).
- The spindle is 50 mm (2") at max dia., 16" long and bored thru 5/8" dia. with a number 2 Morse taper at the inboard. It is made from high alloy steel hardened and ground to precision tolerance of ±0.0003".

"More than any other lathe I've used, the ONEWAY seems to disappear as I'm turning. This allows me to concentrate on the work rather than overcoming the deficiencies of a machine."

Alan Stirt, Professional Woodturner

THE TAILSTOCK

- The Tailstock has an 1½" diameter quill with 4" travel.
- The lead screw is a ¾" diameter 6 pitch acme thread and the barrel has a 3½" bearing length.
- The 5" handwheel and high lead on this screw allows rapid in and out feeds for drilling.
- Precision design and a #3 Morse Taper for the use of stronger live centers and larger drills.
- Super rigid Tailstock clamp is designed to eliminate flexing under clamp pressure. This ensures that the clamp holds firmly while requiring no adjustment for the life of the lathe and will retain the ease of movement of the Tailstock along the bed.
- Through hole is 5/16" (8 mm) dia. for lamp base and similar drilling to be carried out.
- Handled for easy removal and adjustments.

BANJO / TOOLREST BASE

The Banjo is a radical new design that assures even, powerful locking anywhere on the bed (Patented)*. The sliding cam is supported by a cam support block which rests on a ledge machined in the toolrest base.

Note: Also available as an aftermarket item to upgrade your flatbed lathe. See Page 15.

THE TOOLREST

Made from ductile iron, it is stronger and lasts longer than cast iron. It is suitable for under and overhanded grips. It is 14" long with a 1" diameter post.



*Keith Burns
Mesquite
Hollow Form*

A WORD OR TWO ABOUT WELDMENTS

Q. Why use a weldment instead of a casting when cast iron is much better at absorbing vibration?

A. Cast iron is better at absorbing vibration than steel but a casting is not as good at breaking up vibration as a weldment. A properly designed casting is a homogenous structure with a uniform cross section, much like a bell. Any vibration will transmit easily through the casting because of the design limitations of a casting. A steel weldment can be designed with no regard for the shape required for the casting and the weld themselves act to break up vibration. For example, any belt vibration in our machine gets transmitted across the weld that holds the motor box in place, then across the tube to rib welds and then across the rib to the bed weld. There are 3 abrupt changes in material thickness in that vibration path. The vibration never stands a chance.

Q. What about vibration from the forces of the spinning wood?

A. Steel has a modulus of elasticity about 3 times greater than cast iron. For a similar weight of lathe, the steel lathe will be 3 times stiffer.

SO WHY A WELDMENT?

- Less Weight
- More Strength
- Lower Vibration

LATHE ACCESSORIES FOR 2000 SERIES LATHES

OUTBOARD ATTACHMENTS

Because ONEWAY 2000 Series Lathes have an outboard spindle that is threaded right hand and motors have reversing capabilities, outboard attachments make them true bowl turning lathes.

LARGE SWING OUTBOARD* PART NO. 2513A

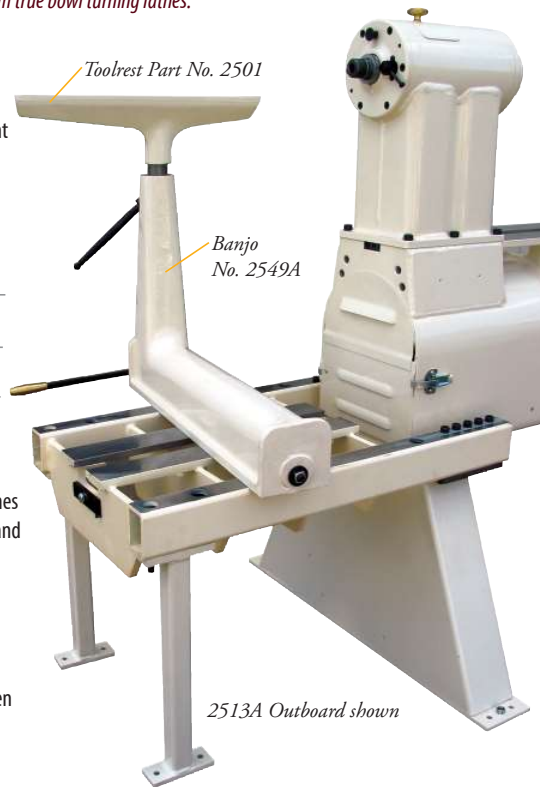
For BIG turning, a large outboard attachment can be bolted with 6 bolts to the outboard end of lathes. The turning capacities for this attachment are:

Lathe Model	Swing	Swing over Banjo
2016 & 2036	44"	36"
2416 & 2436	48"	40"

This outboard eliminates the need for often dangerous and wobbly floor stands. It can also be purchased to be used with other lathes but must be bolted to a heavy concrete or sand filled box of adequate proportion.

X-LONG SWING OUTBOARD* PART NO. 3517A

The bed is 12" longer for larger work between centers.



**Includes: Table, Legs, Banjo and Toolrest. Must specify spindle height to get correct sized legs.*

LONG BED EXTENSION PART NO. 2543

LONG BED WITH STAINLESS STEEL WAYS PART NO. 2543SS

These extension beds are 60" long. Turning between centers with this extension increases the capacity by 60". This extension bolts to the end of the lathe with four bolts and comes with a leg and a Remote Start/Stop. Multiple extensions can be used to further increase the distance between centers. Weight is approximately 350 lbs.



TAILSTOCK SWINGER PART NO. 3598

The Tailstock Swinger is an accessory which allows you to "swing" the tailstock out of the way rather than remove it from the lathe. The Tailstock weighs approximately 50 lbs. which may be too heavy to move and can cause serious damage if dropped. Rather than having to muscle it out of the way, simply slide it on to the Tailstock Swinger and "swing" it out of the way.



Important Note: This accessory cannot be used when a Multi-Purpose Extension (Part No. 2455) is attached to the INBOARD end of the lathe.

NO. 3 MT TAILSTOCK EXTENDER PART NO. 3449

This recommended accessory lengthens the tailstock barrel.

SPINDLE EXTENSION PART NO. 3069

This extension is threaded M33 x 3.5 which screws onto the spindle and effectively lengthens it 2 7/8".



17" MULTI-PURPOSE EXTENSION PART NO. 2455

17" MULTI-PURPOSE WITH STAINLESS STEEL WAYS PART NO. 2455SS

24" MULTI-PURPOSE EXTENSION PART NO. 3889

These bed extensions can be bolted onto either end of all 2000 Series ONEWAY Lathes. At the inboard end, it extends maximum turning length. Used on the outboard end it transforms your lathe into a full function short bed machine.

IMPORTANT NOTE: Inboard and outboard swing with this attachment is the same.

TURNING TIP:

Sometimes it is desirable to have more than one toolrest base. This is particularly useful if purchasing the Multi-Purpose Extension. See page 14 for more information.

SERIES 2000 CUSTOMIZATION OPTIONS

TAILSTOCK RISER BLOCK PART NO. 3300

For newer lathes, the Tailstock Riser Block is an easy add-on to the Swing Outboard Attachments. By installing it onto the Outboard Attachment, it allows the Tailstock to be used on the outboard side of the lathe. Being able to use the Tailstock will increase safety (important when turning up to 48"), allow heavier and a wider variety of cuts. An Alignment Kit is available for older lathes.



HAND WHEEL HUB PART NO. 2802

Wood is screwed to this hub so a custom hand wheel can be made. Only available in M33 x 3.5 thread size.



DUST HOOD PART NO. 3350

Designed specifically for the 2436, this dust hood will quickly and efficiently suck away any small dust particles generated while sanding. Simply hook it up to a dust extractor, vacuum or central-vac system by attaching the vacuum hose to the 5" gate and start sanding.

It can also be moved to the outboard side (if you find it's in the way) by folding the side flaps back and sliding it away. There is a nice viewing window for those interested onlookers and it's powder painted for a resilient finish.



SPECIAL NOTE: The following options are either difficult to install, an expensive upgrade or are not available after the lathe is built. Therefore, each should be given serious consideration before ordering your lathe.

BRAKING RESISTOR PART NO. 3046

If you are a professional woodturner doing large-scale work, the braking resistor is a must. Simply put, the braking resistor allows the lathe to stop large pieces safely and quickly without tripping out the drive.

The drive is designed to shut down to protect itself when an overload occurs, such as trying to stop an oversized or overly heavy piece. No damage to the lathe occurs, but the piece will freewheel to a stop and the drive will have to be reset. This wastes time and effort and can be unnerving to say the least.

The braking resistor makes stopping the lathe more or less bullet-proof. It will stop any piece, in any gear in 4 seconds. It also has the potential of extending the life of the drive, although drive failures are few and far between (estimated 20 year life span).

Note: Lathe serial #'s 2700 and higher can add this feature. Lathe serial #'s 2699 and lower can not add this feature.

RFI FILTER PART NO. 2748

Helps minimize AM (and some television antennae reception) interference. It can be factory installed or customer installed as an aftermarket item.

REMOTE START/STOP PART NO. 2787

This option is especially convenient when turning outboard or on a large bed extension. It is wired into the control box and can be attached anywhere on the lathe with its magnetized control box. It is an option on all ONEWAY lathes.



Important Note: Items in this column are easy electrical upgrades if you are comfortable working with wiring. Otherwise, we recommend these items be installed at the time you order your lathe.

WHEEL SETS FOR SERIES 2000 LATHES

STANDARD (for smooth surfaces) PART NO. 3886

Hard castor wheels for moving lathes on smooth interior surfaces. Standard wheels remain on lathe and flip into an upright position while turning.

Note: Standard Set will only fit lathe serial # 2588 and higher

PNEUMATIC (for rough surfaces) PART NO. 2791

Heavy duty tires for moving lathes over rough surfaces and minor bumps. Pneumatic wheels must be removed from lathe before turning.

96 POSITION INDEXING PART NO. 2946

All our large lathes come standard with 48 position indexing which allows you to lock the spindle at every 7.5 degrees. Sometimes you may want to be able to have a finer increment for your indexed turnings. To this end we offer 96 position indexing which allows spindle locking every 3.75 degrees!

DOUBLE #2 MT SPINDLE PART NO. 3458

If you want to turn between centers on the outboard side, this option is very desirable.

STAINLESS STEEL BEDWAYS PART NO. 2387ss

Rusty bedways are a thing of the past. You can safely turn wet or caustic wood without having to worry about the damage it will do to your lathe bed. If you live near salt water or in a high humidity environment, the stainless steel ways is the only way to go.

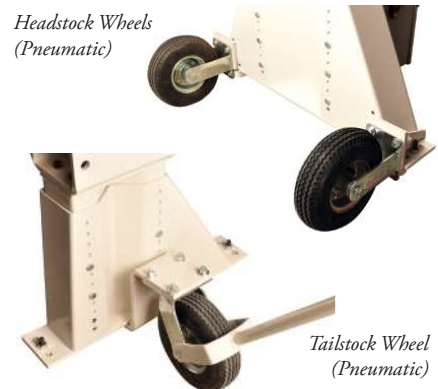
Our 2000 Series lathes, Multi-Purpose Extension and 60" Long Bed Extension can be ordered with stainless steel ways.

Important Note: Due to the nature of the options in this column, they are only available when ordering the lathe.



Arlott Yvonne
Oriental Bowl

Headstock Wheels
(Pneumatic)



Tailstock Wheel
(Pneumatic)

1640 LATHE

GENERAL DIMENSIONS

- Spindle Height: 42" - 46" (variable)
- Power Input: 220V, Single Phase
- Length x Width: 60" x 31 1/4"
- Weight: Approximately 600 lbs.

HEADSTOCK FEATURES

- Spindle Safety Groove
- #2 Morse Taper
- Extended Spindle Nose
- Spindle Thread M33 x 3.5 RH Inboard & Outboard
- 48 Position Indexing and Spindle Lock
- 2 Duplex Bearing Spindle Design
- Cartridge Mount Spindle

CONTROL FEATURES

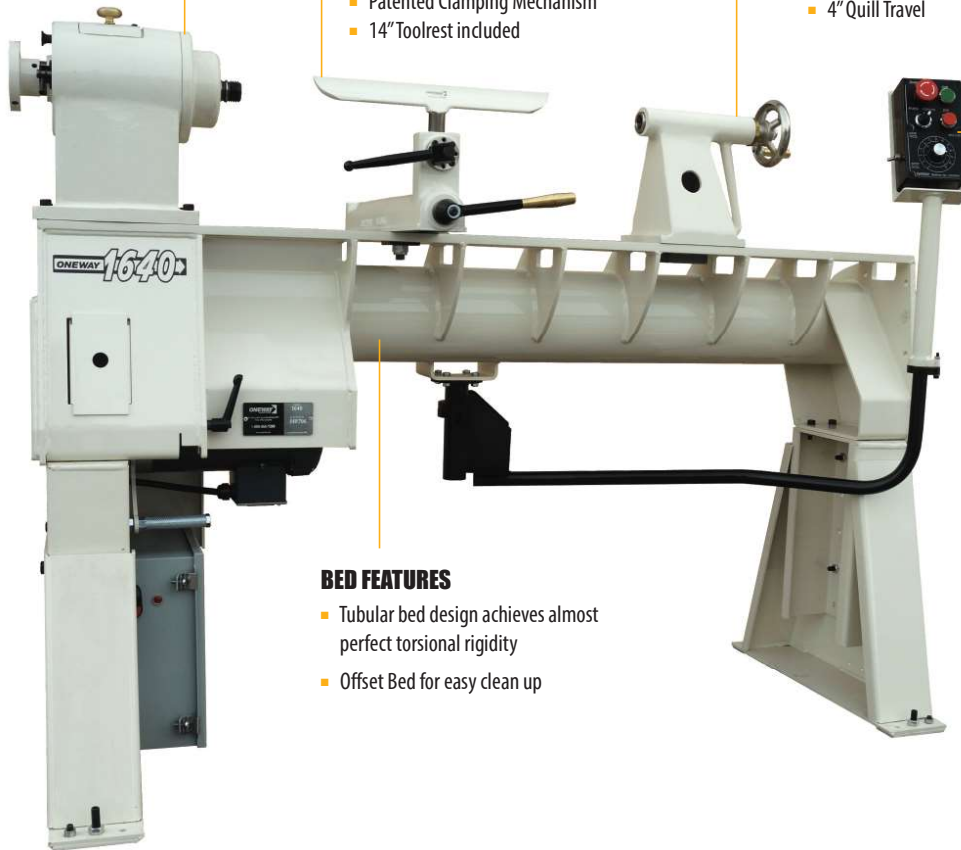
- Start / Stop Button
- Emergency Stop
- Speed Pot (variable speed)
- Twist Select Forward / Reverse
- Long / Short Acceleration Toggle Switch

TOOLREST / BANJO FEATURES

- Patented Clamping Mechanism
- 14" Toolrest included

TAILSTOCK FEATURES

- Handled for easy removal
- #3 Morse Taper
- 4" Quill Travel



BED FEATURES

- Tubular bed design achieves almost perfect torsional rigidity
- Offset Bed for easy clean up

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1640 LATHE FEATURES

Manufactured to the same high standards as its larger counterpart (the 2436), the 1640 offers the following features:

- 16" swing over the bed (12 1/2" swing over Banjo)
- 40" between centers
- Spindle is hardened and ground
- Solid cast iron headstock and tailstock
- M33 x 3.5" RH spindle thread (inboard & outboard)
- 5/8" thru hole (in spindle)
- Indexing: 48 positions (7 1/2 degree)
- Spindle locking mechanism (8 position)
- 2 step pulley (14 - 700 / 51 - 2585)
- Spindle: #2 Morse Taper
- Tailstock: #3 Morse Taper
- Forward & Reverse with two pre-programmed accel / decel settings
- 220V input, 1 1/2 or 2 HP AC variable speed inverter (drive) with dynamic braking
- Constant torque motor
- 14" Toolrest with 1" post
- Variable position controller
- High performance powder paint
- Cast iron tailstock with Acme thread & 4" quill travel
- Patented clamping mechanism in banjo (Toolrest Base)
- Offset bed for easy clean up
- Adjustable legs with 4" travel (effectively allows variable spindle height of 42" - 46")

PACKAGE INCLUDES

- #2 MT Safe Driver
- #3 MT Live Center (with cones)
- Knock-out Rod
- 4" Faceplate (Powder Painted)
- 14" Toolrest
- Leveling Pad
- 4mm, 6mm and 8mm Allen Keys

Similar in construction to the 2436, the 1640 is extremely robust, yet its style and appearance are reminiscent of the 1224 with the offset bed ways. This combination of brawn and beauty creates a lathe that is totally unique and amazingly versatile.

LATHE ACCESSORIES FOR 1640 LATHE

OUTBOARD ATTACHMENTS

The ONEWAY 1640 Lathe has an outboard spindle that is threaded right hand and a motor with reversing capabilities, making it a true bowl turning lathe.

Most wood turners never use the outboard of their lathe because they would have to buy left hand threaded attachments and learn to turn opposite to what they are accustomed to on the inboard side; and let's face it., most of us have enough problems learning to turn one way (no pun intended). ONEWAY solved this problem by threading the outboard spindle right hand and providing a motor with reversing capabilities.

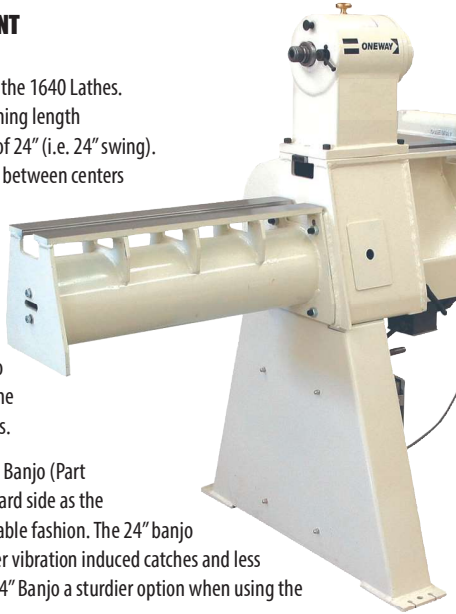
24" BED EXTENSION & OUTBOARD ATTACHMENT PART NO. H0043

The 24" bed extension may be bolted onto either end of the 1640 Lathes. Attached to the outboard end it creates a maximum turning length of 24", but more importantly creates a turning capacity of 24" (i.e. 24" swing). Used on the inboard end, it extends your turning length between centers to a whopping 64 inches.

Special Toolrest Included with the Extension Bed

A special Toolrest is supplied with the extension to allow you to use your existing banjo on the outboard side. This extended length post toolrest can be used with either the regular 1640 Banjo or with the 24" Banjo (purchased separately). This toolrest goes deeper into the socket on the 24" banjo but causes no interference issues.

Recommendation: We recommend purchasing a 2436 Banjo (Part No. 2683A) when using this extension bed on the outboard side as the vibration will be transferred to the lathe in a more desirable fashion. The 24" banjo is somewhat stronger and stiffer which will lead to fewer vibration induced catches and less possibility of bending the toolrest. This makes using a 24" Banjo a sturdier option when using the 24" extension bed on the outboard side of your 1640.



EXTRA 16" BANJO (TOOLREST BASE) PART NO. H0082

There are certain situations when it is very desirable to have an extra banjo at your disposal. One example is for extra long toolrests which allow you to make one continuous cut. The construction is exactly the same as the banjo that comes with the lathe. These toolrest bases can also be purchased to upgrade your non-ONEWAY lathe's toolrest base. If you are generally happy with your lathe but find your current toolrest base moving while turning or not solidly clamping to the bed, this could be a good option for you. Rather than buy a whole new lathe, just upgrade the toolrest base!

Note: A Toolrest is NOT included with this accessory.

24" BANJO (TOOLREST BASE) PART NO. 2683A

The 2436 Banjo can be purchased for use on the 24" Extension & Outboard Attachment. This is a preferred method of turning on the outboard side due to increased safety and decreased vibration. The 1640 toolrest supplied with the lathe can be used with this base. Simply release it from the 1640 Banjo and tighten the clamp handle.

NOTE: A Toolrest is NOT included with this accessory.

WHEEL SETS FOR 1640 LATHES

If you have a need to move your lathe often, then a Wheel Set is a must.

STANDARD WHEELS (for smooth surfaces)

PART NO. H0157 (fits on lathe serial #'s H0681 and higher.)

NOTE: Standard wheels flip into an upright position while turning.

PART NO. H0095 (fits on lathe serial #'s H0670 and lower.)

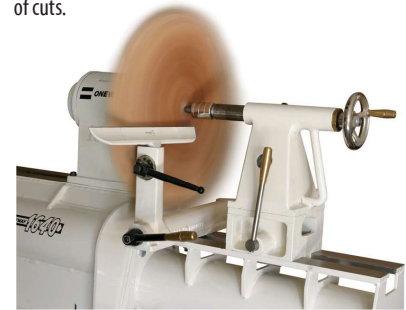
NOTE: These wheels need to be removed while turning.



Part No. H0157: Wheels attached to headstock and lifting bar.

TAILSTOCK RISER BLOCK PART NO. H0116

The Tailstock Riser Block is an add-on to the 24" Extension Bed (H0043). This allows the Tailstock to be used on the outboard side of the lathe. This in turn will increase safety and allow a heavier & wider variety of cuts.



TAILSTOCK EXTENDER PART NO. 3449

This handy accessory allows for a deeper reach.

BRAKING RESISTOR PART NO. 3046

Helps the lathe stop big pieces quickly. Recommended for production turners and people that start and stop the lathe frequently. See page 7 for more details.

RFI FILTER PART NO. 2748

Helps minimize AM (and some television antennae reception) interference. It can be factory installed or customer installed as an aftermarket item.

HAND WHEEL HUB PART NO. 2802

Wood is screwed to this hub so a custom hand wheel can be made. Only available in M33 x 3.5 thread size.

SPINDLE EXTENSION PART NO. 3069

This extension is threaded M33 x 3 1/2" which screws onto the spindle and effectively lengthens it 2-7/8".

TAILSTOCK SWINGER PART NO. H0121

This is designed and manufactured with the same high quality standards as the Tailstock Swinger for the 2436 (Part No. 3598) on page 6 but sized for the 1640.

REMOTE START/STOP PART NO. 2787

This option is especially convenient when turning outboard or on a large bed extension. It is wired into the control box and can be attached anywhere on the lathe with its magnetized control box. It is an option on all ONEWAY lathes.



1236SD LATHE

GENERAL DIMENSIONS

- Spindle Height: Adjustable
- Power Input: 220V, Single Phase
- Length x Width: 60" x 28"
- Weight: Approximately 500 lbs.

HEADSTOCK FEATURES

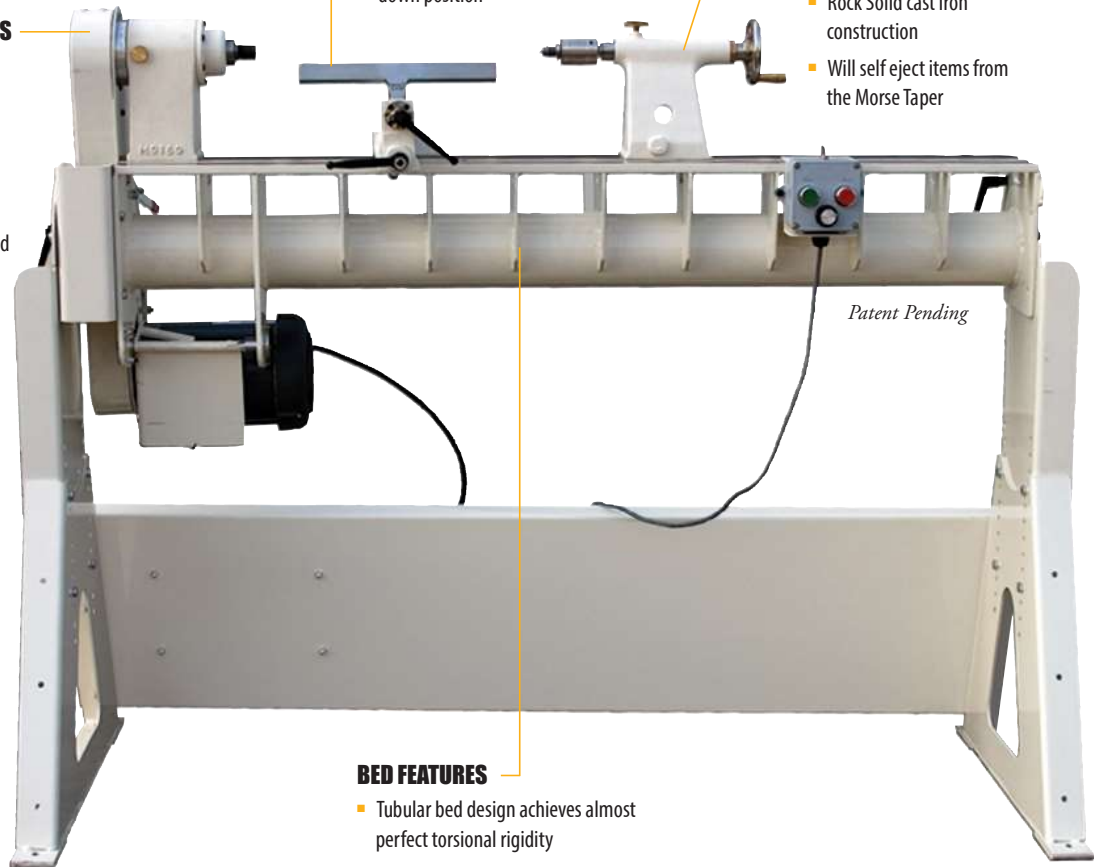
- Spindle Safety Groove
- #2 Morse Taper
- Extended Spindle Nose
- Spindle Thread Size:
Inboard: 1" - 8tpi RH
- 24 Position Indexing and Spindle Lock
- 2 Duplex Bearing Spindle Design
- Cartridge Mount Spindle

TOOLREST / BANJO FEATURES

- Patented Clamping Mechanism
- 11" Stainless Steel Toolrest included
- 6" Ductile Toolrest included
- 2 Banjos, 1 for up position & one for down position

TAILSTOCK FEATURES

- #2 Morse Taper
- 3" Quill Travel
- Positive cam-lock design
- Brass barrel lock
- Rock Solid cast iron construction
- Will self eject items from the Morse Taper



BED FEATURES

- Tubular bed design achieves almost perfect torsional rigidity
- Offset Bed for easy clean up

1236SD in the "Upright" position

1236SD LATHE FEATURES

It's not just about the comfort, but certain tasks are easier to perform while sitting. Wouldn't it be nice to sand, buff, decorate and finish your beautiful turning while sitting? Think about it.

- 12½" swing over the bed (9" swing over Banjo)
- 36" between centers
- Spindle is hardened and ground
- 1" - 8tpi RH spindle thread (inboard)
- 7/16" thru hole (in spindle)
- 24 position indexing
- 2 step pulley (0 - 2000 / 0 - 4000rpm)
- #2 Morse Taper in headstock & tailstock
- Forward & Reverse with two pre-programmed accel/ decel settings
- 220V input, 1HP AC variable speed inverter (drive) with dynamic braking
- 1HP Marathon Motor
- Multi position Control Box
- High Performance Powder Paint on Stand & Lathe
- Cast Iron Tailstock with Acme thread & 3" quill travel
- Patented clamping mechanism in Banjo

PACKAGE INCLUDES

- #2 MT Safe Driver
- #2 MT Live Center (with cones)
- Knock-out Rod
- 3" Faceplate
- 9" Stainless Steel Toolrest
- 6" Ductile Steel Toolrest
- Leveling Pad
- Spindle Lock Wrench

OPTIONS

- Remote Start / Stop
- RFI Filter
- 1236SD Wheel Set

"Besides being an effective tool for the handicapped turner, the 1236SD will allow anybody who doesn't feel like standing to sit and use a precision piece of equipment. Maturing turners who might consider hanging up their gouges, should give this lathe a real close look." Phil Brennon

IN DEPTH FEATURES OF THE 1236SD LATHE

WHY A SIT DOWN LATHE?

Traditional woodturning lathes have forced woodturners to turn in a standing position. As we get older it becomes more and more difficult to stand for long periods of time, even short periods can be an issue. When was the last time you had to take a break from the lathe due to sore feet, aching legs, painful knees or hips or a back ache? These are symptoms we can all face while standing at the lathe. Until now we had to bear the pain or take a break. With the creation of the SIT DOWN Lathe you no longer have to suffer. Simply flip the lathe to the sitting position, sit down, relax and turn.

The 1236SD is the only woodturning lathe available today which utilizes a rotation bed configuration to allow you to choose your turning position, making it possible to turn for longer periods of time and in more comfort.

THE BED

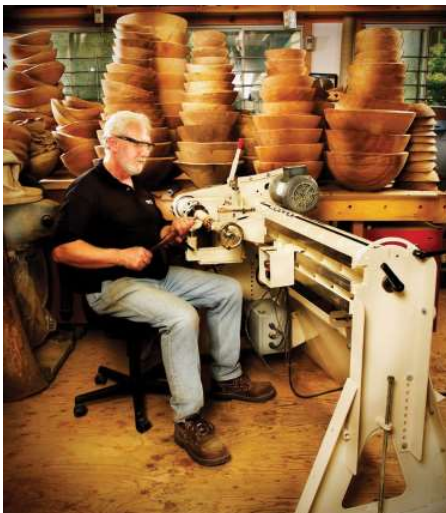
- Bedways and ribs are welded to a 4½" dia. by ¼" wall tube. The assembly is stress relieved and precision machined.
- Bedways are offset so chips and debris fall straight thru without sacrificing rigidity.
- Almost perfect torsional rigidity is achieved - many more times than twin tube or cast iron bed designs.

THE HEADSTOCK

- Features a three bearing spindle. At the front, one angular contact bearing is locked to the shaft with a clamp ring and lock nut. This minimizes radial and axial play of the spindle. The rear bearings float axially to allow for heat expansion. All bearings are maintenance free and lubricated for life.
- The spindle is 1-5/8" at maximum diameter and drilled thru 7/16" with #2 Morse Taper at the inboard end. It is made from high alloy steel, hardened and ground to precision tolerance of ±0.0003".
- A special self supporting wrench is used to remove accessories from the spindle such as faceplates and chucks.
- 24 position indexing is standard.

STANDARD WHEEL SET (for smooth surfaces) PART NO. B0072

A must if you need to move your lathe often.



THE DRIVE

- The drive package is fully electronic and utilizes an AC Electronic Inverter with variable speed (0 - 4000 rpm) including full speed reverse.
- Minimum continuous speed of 150 rpm.
- The drive motor is mounted directly below the headstock.
- The controller comes programmed ready for use with built-in ramp up / ramp down and dynamic braking. This is a top quality drive, single phase AC in, three phase out.

THE SPINDLE

- The spindle nose which holds the front bearings, protrudes approximately 1½" in front of the headstock allowing easy tool maneuvering when working on the backside of projects.
- The spindle is 1" - 8tpi with a groove machined for a lock screw. This design contributes to the safety of this machine, as it reduces the possibility of chucks or faceplates accidentally unscrewing from the spindle. It is safer when sanding and braking.



THE TAILSTOCK

- The tailstock has an 1-1/8" diameter quill with 3" travel.
- The Tailstock lead screw is a ¾" diameter 6 pitch acme thread and the barrel has a 3" bearing length.
- The 4" handwheel and the high lead on this screw allows for rapid in and out feeds for drilling.
- The Tailstock is easy to remove and install.
- Precision design and a #2 Morse Taper allows for the use of stronger live centers and larger drills.
- Super rigid Tailstock clamp is designed so that no flexing will occur under clamp pressure. This will ensure that the clamp will hold firmly while requiring no adjustment for the life of the lathe and will retain the ease of movement of the Tailstock along the bed.

BANJO - TOOLREST BASE DESIGN

The BANJO/TOOLREST BASE is ONEWAY's own proven design. For more detail on this design please refer to page 14.

2nd Toolrest
and 6" Ductile
Toolrest with
Banjo Carrier



1236SD in the
"Sit Down" position

ONEWAY 1224 LATHE

GENERAL DIMENSIONS

- Spindle Height: 44½"
- Power Input: 110V, Single Phase
- Length x Width: 47 x 23½"
- Bench Height: 30"
- Weight: Approximately 300 lbs.

HEADSTOCK FEATURES

- Spindle Safety Groove
- #2 Morse Taper
- Extended Spindle Nose
- Spindle Thread Sizes:
 - Inboard: 1" - 8tpi RH
 - Outboard: ¾" - 16tpi RH
- 4 Position Indexing and Spindle Lock
- 2 Duplex Bearing Spindle Design
- Cartridge Mount Spindle

TOOLREST / BANJO FEATURES

- Patented Clamping Mechanism

TAILSTOCK FEATURES

- #2 Morse Taper
- 3" Quill Travel
- Positive cam-lock design
- Brass barrel lock
- Rock Solid cast iron construction
- Will self eject items from the Morse Taper

BED FEATURES

- Tubular bed design achieves almost perfect torsional rigidity
- Offset Bed for easy clean up



1224 LATHE FEATURES

- 12½" swing over the bed (9" swing over Banjo)
- 24" between centers
- 11" Stainless Steel Toolrest with 1" Post
- 2 step pulley (0 - 2000 / 0 - 4000 rpm)
- Two position Control Box
- Spindle is hardened and ground
- Spindle Thread: 1" - 8tpi RH (inboard ¾" - 16tpi RH (outboard)
- 7/16" thru hole (in spindle)
- 24 position indexing
- #2 Morse Taper in headstock & tailstock
- Forward & Reverse with two pre-programmed accel / decel settings
- 110V input, 1HP AC variable speed inverter (drive) with dynamic braking (220V also available)
- 1HP Marathon Motor
- High Performance Powder Paint on Stand & Lathe
- Cast Iron Tailstock with Acme thread & 3" quill travel
- Patented clamping mechanism in Banjo
- Offset Bed for easy clean up

PACKAGE INCLUDES

- #2 MT Safe Driver
- #2 MT Live Center (with cones)
- Knock-out Rod
- Powder Painted Metal Stand (two wood shelves included)
- 3" Steel Faceplate (Powder Painted)
- 11" Stainless Steel Toolrest
- Two location Control Box
- Powder Painted Lathe
- Leveling Pads
- 4mm, 6mm and 8mm Allen Keys
- Spindle Lock Wrench
- Hand Wheel

OPTIONS

- 220V input is offered at no extra charge
- Remote Start / Stop
- 1224 Lathe Bed Extension (24")
- 1224 Wheel Set



Ed Pretty "Oriental Vessel"

We designed these lathes due to increased demand for a high quality, small capacity machine. Despite their small stature, the 1224 lathe is stacked with features normally reserved for much larger machines.

IN DEPTH FEATURES OF THE 1224 LATHE

THE BED

- Bedways and ribs are welded to a 4½" dia. by ¼" wall tube. The assembly is stress relieved and precision machined.
- Bedways are offset so chips and debris fall straight thru without sacrificing rigidity.
- Almost perfect torsional rigidity is achieved - many more times than twin tube or cast iron bed designs.

THE HEADSTOCK

- Features a Duplex Bearing spindle. At the front are two deep groove ball bearings locked to the shaft with a lock nut in the housing. This minimizes radial and axial play of the spindle. The rear bearing float axially to allow for heat expansion. Bearings are maintenance free greased for life.
- The spindle is 1-5/8" at maximum diameter and drilled thru 7/16" with #2 Morse Taper at the inboard end. It is made from high alloy steel, hardened and ground to precision tolerance of ±0.0003".
- A special self supporting wrench is used to remove accessories from the spindle such as faceplates and chucks.
- 24 position indexing is standard.

THE DRIVE

- The drive package is fully electronic and utilizes an AC Electronic Inverter with variable speed (0 - 4000 rpm) including full speed reverse.
- Minimum continuous speed of 150 rpm.
- The drive motor is mounted directly below the headstock.
- The controller comes programmed ready for use with built-in ramp up / ramp down and dynamic braking. This a top quality drive, single phase AC in, three phase out.

THE SPINDLE

- The spindle nose which holds the front bearings, protrudes approximately 1½" in front of the headstock allowing easy tool maneuvering when working on the backside of projects.
- The spindle is 1" - 8 TPI with a groove machined for a lock screw. This design contributes to the safety of this machine, as it reduces the possibility of chucks or faceplates accidentally unscrewing from the spindle. It is safer when sanding and braking.

THE TAILSTOCK

- The tailstock has an 1-1/8" diameter quill with 3" travel.
- The Tailstock lead screw is a ¾" diameter 6 pitch acme thread and the barrel has a 3" bearing length.
- The 4" handwheel and the high lead on this screw allows for rapid in and out feeds for drilling.
- The Tailstock is easy to remove and install.
- Precision design and a #2 Morse Taper allows for the use of stronger live centers and larger drills.
- Super rigid Tailstock clamp is designed so that no flexing will occur under clamp pressure. This will ensure that the clamp will hold firmly while requiring no adjustment for the life of the lathe and will retain the ease of movement of the Tailstock along the bed.

BANJO - TOOLREST BASE DESIGN

The BANJO/TOOLREST BASE is ONEWAY's own proven design that assures even, powerful locking anywhere on the bed (patented feature). For more detail on this design please refer to page 15.

OPTIONAL EQUIPMENT

REMOTE START / STOP PART NO. 2787

A remote START / STOP control is an available accessory for all ONEWAY lathes. It can be factory installed when ordering or customer installed as an aftermarket option. It is wired into the control box and can be attached anywhere on the lathe with a magnetized control box.

1224 LATHE BED EXTENSION PART NO. M0221

1018 LATHE BED EXTENSION PART NO. M0140

Bed extensions are 24" long which bolt to the end of the lathe increasing the distance between centers. Because of the solid construction of these lathes, using this extension easily allows turning pieces at this extended length. The end of this extension is equipped to handle a leg but does not come with one. After testing this extension in our shop we feel that one extension bolted to the end of a 1018 or 1224 lathe will not require a support leg in most applications.

STANDARD WHEEL SET (for smooth surfaces) PART NO. M0259

A must if you need to move your lathe often.



LATHE ACCESSORIES FOR ANY BRAND OF LATHE

TOOLRESTS

- The toolrest is designed to work with the banjo (toolrest base) so that you can get very close to the front and back side of turnings. Our 6" & 14" toolrests for our large lathes are made from ductile iron which is stronger than cast iron and will last longer. These toolrests are powder painted and are suitable for both underhand and over hand grips.
- Our 1224 toolrests are constructed from stainless steel. These toolrests will last a lifetime as they will not rust or corrode.



TOOLREST	LARGE LATHES ¹ (1" POST)	1640 ² (1" POST)	1236SD ³ (1" POST)	1224 ³ (1" POST)	1018 ⁴ (¾" POST)
14" (ductile iron)	2367 ^(5" Long)	H0089 ^(4" Long)	n/a	n/a	n/a
14" (weldment)	n/a	H0096 ^{5 (7½" Long)}	n/a	n/a	n/a
6" (ductile iron)	2721 ^(4¾" Long)	H0103 ^(3½" Long)	B0065 ^(3¼" Long)	n/a	n/a
11" (stainless)	n/a	n/a	M0206 ^(3½" Long)	M0206 ^(3½" Long)	n/a
8" (ductile iron)	n/a	n/a	n/a	n/a	M0030 ^(2¼" Long)
6" (stainless)	n/a	n/a	M0239 ^(3" Long)	M0239 ^(3½" Long)	n/a

- Fits any lathe with a 20" - 24" swing and a 1" post
- Fits any lathe with a 16" swing and a 1" post
- Fits any lathe with a 12" swing and a 1" post

- Fits any lathe with a 10" swing and a ¾" post
- Specifically designed for outboard turning (24") on the 1640 Lathe (Dimensions: 7½" x 1" dia. post, 14" wide)

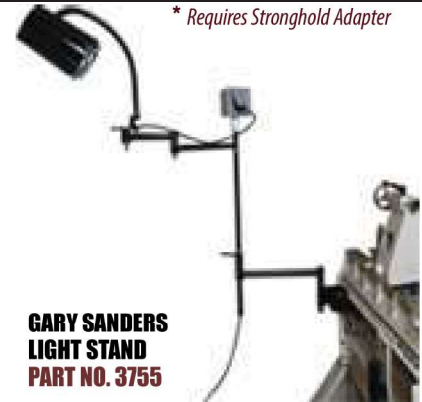
SPINDLE ADAPTORS

These are hardened and ground.



FROM	TO	PART NO.
M33 x 3.5 RH	¾ - 16 RH	2596
M33 x 3.5 RH	1 - 8 RH	3418
M33 x 3.5 RH	1 - 12 RH	2598
M33 x 3.5 RH	1 ⅛ - 7 LH	2594
M33 x 3.5 RH	1 ⅛ - 8 RH	2595
M33 x 3.5 RH	1 ⅛ - 8 LH	2956
M33 x 3.5 RH	1 ¼ - 8 RH	2566
M33 x 3.5 RH	1 ½ - 6 RH	2565
M33 x 3.5 RH	1 ½ - 8 RH	2564
M33 x 3.5 RH	M30 * 3.5 RH	2575
¾ - 10 RH	1 - 8 RH	3064
¾ - 10 RH	1 ¼ - 8 RH	3217
¾ - 10 RH	M33 x 3.5 RH	3065
1 - 8 RH	M33 x 3.5 RH	2961
¾ - 16 RH	M33 x 3.5 RH	2962
anything else*	M33 x 3.5 RH	3232

* Requires Stronghold Adapter



**GARY SANDERS
LIGHT STAND
PART NO. 3755**

Equipped with two duplex 110V Boxes and a quality gooseneck light, this light stand is the perfect compliment to any lathe, carving station or workbench where additional light and receptacles are needed.

The light stand is solidly constructed using steel tubing and nylon bushings with black powder coat paint which provides a tough stain resistant finish.

EXTRA LIGHT PART NO. 3787

Another light can be added at any time to double the

EXTERIOR CURVED TOOLREST



CURVED TOOLRESTS

To make a nice curve on a bowl, the curve needs to be cut in one smooth pass. On medium to large sized bowls you need a curved toolrest to do this. The ONEWAY curved toolrest is gently curved to help bowl turning from first green turning to final finish cut. Made from stainless steel it will not rust and will last a lifetime.

	GENERAL PURPOSE	EXTERIOR
¾" Post Dia. for 1018 (2¼" long post/ 9½" long blade/ 1 ¼" wide blade)	3035	3036
1" Post Dia. for 1224 & 1236SD (3" long post/ 9" long blade/ 1 ¼" wide blade)	3301	3302
1" Post Dia. for 16", 20" and 24" swing (4½" long post/ 12" long blade/ 1 ¼" wide blade)	3037	3038
1" Post Dia. for 16", 20" and 24" swing (6½" long post/ 12" long blade/ 1 ¼" wide blade)	3037Long	3038Long
1½" Post Dia. for Big Outboard (10" long post/ 14½" long blade/ 1 ¼" wide blade)"	3039	3040

INTERIOR CURVED TOOLREST

"A spindle turner would never use a curved toolrest, why would I use a straight one?"

*David Lancaster
Professional Bowl Turner*



LATHE ACCESSORIES FOR ANY BRAND OF LATHE

BANJO / TOOLREST BASE DESIGN (*)

The patented ONEWAY toolrest base is designed to solve problems associated with traditional cam-lock toolrest bases. This sliding cam clamping mechanism ensures tight clamping and smooth operation over the range of the lathe bed. Conventional long cam shafts suffer from cam shaft deflection. This causes non-uniform clamping over the range of the toolrest base. Cam shaft deflection also causes the clamp handle to tighten in different positions.

A conventional clamping mechanism consists of a cam shaft that runs the entire length of the toolrest base. Deflection is unavoidable using this unsupported system. Because the cam shaft is so long, it bends when clamping pressure is applied when positioned in the middle.

ONEWAY has solved this problem by replacing the regular long cam shaft with a sliding cam assembly.

The toolrest is clamped in the toolrest base with a captured non-marking block. As a result a very tight fitting hole can be bored. This improves the toolrest clamp position. The clamp screw handle may be adjusted at 45° rotations to assure minimum interference with the handle when turning.



(*) Patented or Patent Pending

BANJO / TOOLREST BASE CHART

SWING OVER BED	Part #	Height"	Length	Post Size
10" Swing	M0047	3 1/4"	97/8"	1"
12" Swing	M0185	4"	10 1/2"	1"
16" Swing	H0082	5 1/2"	17 1/2"	1"
20" Swing	2407	7 1/2"	16"	1"
24" Swing	2683A	8 3/4"	18"	1"
Big Swing	2549A	17"	25"	1 1/2"



Metal Spinning Toolrest

METAL SPINNING - A LOST ART

Metal spinning is an age-old art which has been somewhat forgotten... until recently. With the growth of the woodturning industry, new life is being infused into metal spinning.

What is metal spinning? Simplistically, the process of metal spinning is taking a metal disc and forming it over a predetermined shape on the lathe.

Not many people realize their ONEWAY lathe is perfect for spinning metal. The quality and precision built into every lathe is exactly what you need to spin metal!

TOOLRESTS FOR METAL SPINNING*

16" Swing Metal Spinning Toolrest	3723
20" Swing Metal Spinning Toolrest	3724
24" Swing Metal Spinning Toolrest	3720

* Includes: Toolrest, Pin and Anti-Rotational Clamp Plate



FEATURES OF OUR CHUCKS

TAPER LOCK ADAPTOR

- Connects chuck to spindle
- Secured to chuck with screws
- Machined in one set up
- Design guarantees the chuck will run true to the spindle
- Adaptor will not loosen or separate from the chuck in forward or reverse
- Can be supplied standard with RH and LH cross thread
- Will fit almost any lathe
- To use the chuck on a different lathe is as simple as purchasing a new adaptor



THE SCROLL

- Precision machined
- Case hardened
- The bore is ground after heat treating so action adjustment is not required for the life of the chuck
- Manganese phosphate plated for anti-seize.



BASE JAWS (*)

- Made from 8620 steel
- Precision ground for exact and controlled clearances required for woodturning chucks
- Case hardening makes them longer lasting, stronger and non-seizing during use



PROFILE TOP JAW DESIGN (*)

- Top jaw design guarantees gripping at all diameters is better than any competitive system
- Aggressive teeth hold side and end grain securely
- Fibre damage is minimized as pressure is spread over a larger area
- More information on page 19

SATISFACTION GUARANTEE

As with all of ONEWAY's products, we offer a 100% satisfaction guarantee. If you are not satisfied with this product simply return it within 90 days with proof of purchase and we'll refund your money (return shipping not included). Our manufacturer's warranty further covers any manufacturing defects for up to two years.

When choosing a ONEWAY Manufactured chuck the following should be considered:

- Clamping ease and power desired
- Size of stock to be clamped
- Spindle diameter of lathe (ONEWAY and Talon chucks maximum 1¼ spindle diameter)

THE BODY

- Precision machined from a solid block of steel
- Electroless nickel plating provides a hard wearing surface for base jaws and scroll
- Nickel plating provides excellent corrosion resistance

SELF CENTERING

- 4 - jaw self-centering for ease of use
- Wide range allows expansion and compression chucking to fit a recess or tenon without the bother of taking exact measurements
- Four jaws will hold both round and square stock

PATENTED SAFETY FEATURE

- Chucks were designed with safety in mind
- An over-extension prevention slot and pin system (patented) makes chucks safer to use
- Eliminates accidental over-extension of jaws which could result in a jaw flying out at lathe start up and injuring the operator
- Two settings: one for maximum jaw travel, the second for keeping jaws inside the chuck body
- This safety over-travel does not reduce the capacities as in some competitor's chucks



ONEWAY chucks have been designed by a machinist with engineering input from material, heat treating and plating specialists in order to satisfy the woodturner's every need. Less time spent getting ready to turn and more time spent turning means better quality and more finished projects. Large projects can be turned more safely and turning can be done at the ends of long stock.

(*) Patented or Patent Pending

WOODWORM SCREW

- Excellent for all types of screw chucking operations
- Deeply cut threads (which are tapered at the point) allows easy entry and minimal tearout
- They are machined with a locating groove and four slots along the length of the head for holding and locking into place within the chuck
- Made from high tensile steel
- Left hand screws for outboard turning are available
- Longer left & right hand screws for turning larger pieces are available



* Standard with full chuck packages

1½" RH Screw*	Part No. 2041
1½" LH Screw	Part No. 2039
2" RH Screw	Part No. 2042
2" LH Screw	Part No. 2040

4 JAW SELF-CENTERING **SCROLL CHUCKS**



ONEWAY CHUCK (*)

- Lever Operated.
- Four lever holes in the body, and three in the scroll create a constant differential allowing one handed tightening.
- Levers are made from high strength steel and will not deform or bend in use. This prevents damage to holes in the chuck.
- Body Diameter: 4"
- Approximate weight: 4.5lbs.

ONEWAY CHUCK
ONEWAY BODY ONLY*

PART NO. 2170
PART NO. 3041



TALON CHUCK (*)

- Light weight and small body diameter make it an excellent choice for smaller lathes.
- Key operation for one handed operation and solid holding power
- Two position key support for long life and accuracy.
- Gear teeth precision machined so they won't skip in use.
- 5 to 1 ratio assures powerful clamping
- Body Diameter: 3½"
- Approximate weight: 3.5lbs.

TALON CHUCK
TALON BODY ONLY*
EXTRA KEY

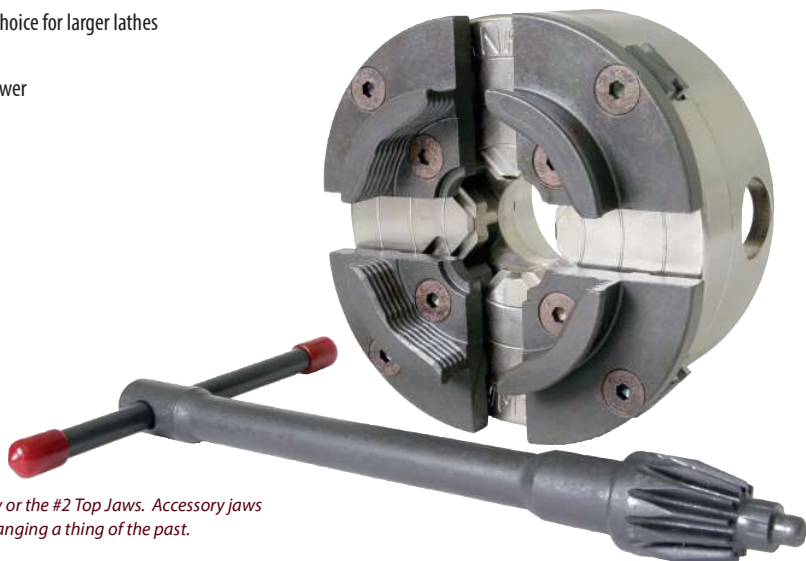
PART NO. 2985
PART NO. 2986
PART NO. 3043

STRONGHOLD CHUCK (*)

- Heavy weight and large body diameter make it an excellent choice for larger lathes (16" swing or more).
- Key operation for one handed operation and solid holding power
- Two position key support for long life and accuracy.
- Gear teeth precision machined so they won't skip in use.
- 5 to 1 ratio assures powerful clamping
- Long key for easier use with Jumbo Jaws.
- Will mount on spindles as large as 1½" in diameter.
- Body Diameter: 4½"
- Approximate weight: 8lbs.

STRONGHOLD CHUCK
STRONGHOLD BODY ONLY*
EXTRA KEY

PART NO. 2137
PART NO. 3042
PART NO. 3044



**Body only packages do not include the 1½" Woodworm Screw or the #2 Top Jaws. Accessory jaws can be permanently mounted on these chucks making jaw changing a thing of the past.*

(*) Patented or Patent Pending

CHUCK ACCESSORY JAWS

#2 JAWS - PROFILED (*)

- Profile shape for maximum gripping power
- Standard supplied with chucks

#3 JAWS - PROFILED (*)

- Mass and size necessary for large bowls and vases
- For large bowls we recommend a 2" woodworm screw (see page 17)

#3 JAWS - SMOOTH (*)

- Mass and size necessary for large bowls and vases
- Jaws are smooth and recommended for round stock only

#4 JAWS - PROFILED (*)

- Mass and size necessary for large bowls and vases
- For large bowls we recommend a 2" woodworm screw (see page 17)

#4 JAWS - SMOOTH (*)

- Our largest capacity smooth jaws
- Jaws are smooth and recommended for round stock only



SPIGOT JAWS (*)

- For turning small items
- Machined long and deep for better grip on small parts
- Not for use with the woodworm screw
- Available serrated or smooth

STEP JAWS (*)

- For turning small items
- Not for use with the woodworm screw



DOVETAIL JAWS (*)

- Inside and outside surface of the jaws is smooth
- Designed and recommended for light cutting applications
- Minimal marking at design diameter

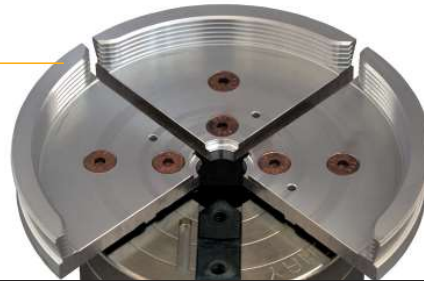


#5 ALUMINUM JAWS - PROFILED (*)

- Extra light alloy jaws are ideal to hold platters and shallow bowls

#6 ALUMINUM JAWS - PROFILED (*)

- Our largest capacity profiled jaws
- Extra light alloy jaws are ideal to hold platters and shallow bowls



PREMIUM PROFILED TOWER JAW DESIGN DETAILS

- Machined deep (1/4") to increase gripping power
- Patented profile design maintains maximum gripping power over the entire range of the jaws
- Extra height provides more clearance when working on the back of the piece
- Securely holds both round and square stock
- Non-marking dovetail top

SERRATED TOWER JAW DESIGN DETAILS

- Machined deep (1/4") to increase gripping power
- Good gripping power over a narrow range
- Limited ability to hold square stock
- Less expensive alternative to their Profiled cousins
- Extra height provides more clearance when working on the back of the piece
- Non-marking dovetail top



#3 PREMIUM PROFILED TOWER JAWS (*)

#2 PREMIUM PROFILED TOWER JAWS (*)



#3 SERRATED TOWER JAWS (*)

#2 SERRATED TOWER JAWS (*)



Please refer to the chart on page 20 for a full list of all jaws.

SPECIALTY ACCESSORY JAWS

COLLET JAWS & PADS

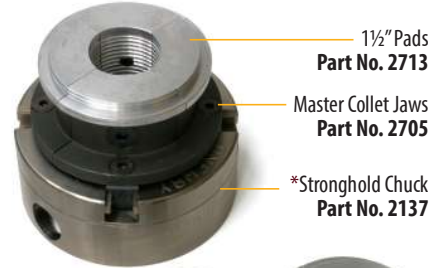
- Collet Jaws are designed to fit specific diameters. Our Collet Jaws are designed for those turners making bottle stoppers and other components made from turned-to-size round stock such as dowels.
- These Collet Jaws are safe, cause little or no wood damage and hold better than most other jaws.
- Constructed from a solid block of aluminum the pads will not rust or corrode. The Master Jaws are of steel construction and coated with manganese phosphate for protection.

IMPORTANT NOTE: These Collet Jaws will only fit the ONEWAY Stronghold Chuck.

- Collet Pads come in five different sizes. Available Sizes: 1/2", 3/4", 1", 1 1/4" and 1 1/2".
- Weight: The complete set (master jaws & 5 sets of pads) weighs approximately 4 lbs.
- Used to hold a large variety of round stock and bowls by external or internal foot
- They are round and best used at stated diameters to $\pm 1/8"$
- No protrusions at the nominal sizes make them safe
- For working safely on the back side of bowls

COMPLETE SET PART NO. 2992

The complete set includes the Master Collet Jaws and all five Collet Pads (1/2" - 1 1/2"). Stronghold Chuck sold separately.



*Stronghold Chuck is not included with this product. It must be purchased separately.

CAPACITY CHART

COLLET PADS	2706	2710	2711	2712	2713
Round Internal 3/16" Tenon	-	3/4"	1"	1 1/4"	1 1/2"
Round External 3/16" Tenon	1"	1 1/2"	2"	2 1/2"	3"
Round Internal Full Length	1/2"	3/4"	1"	1 1/4"	1 1/2"

* IMPORTANT NOTE: These jaws will only work with the Stronghold Chuck

FINISHING



FLAT JAWS

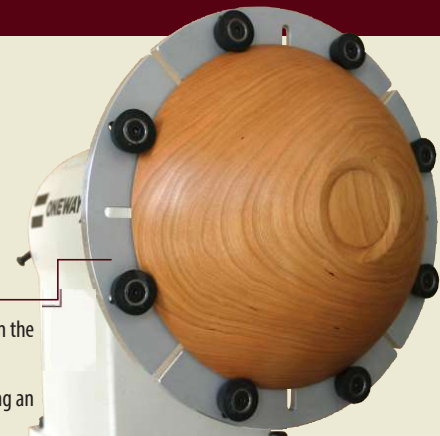
- For making custom wooden jaw sets.
- Wooden blocks are screwed to the face of the jaws then turned to provide a custom grip jaw set.
- Virtually any turned shape can be gripped without fear of marking and with total security.
- Low cost and useful jaws.

EXTRA BUTTON SET PART NO. 2201

- For stacking buttons to further accommodate odd shapes.

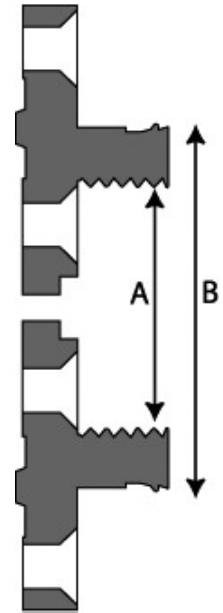
JUMBO JAWS

- Aluminum is machined from the solid for higher strength.
- Slots and holes allow holding an infinite number of shapes.
- Grippers are hard rubber pressed over a tapered steel sleeve.
- For light finishing the backs of bowls and external chucking on platters and picture frames.
- Can mount and turn wooden false jaws for precision finishing, extremely large or critical applications.
- Jumbo Jaws - all chucks. For 13" swing & larger.
- Mega Jumbo Jaws - Stronghold only. For 16" swing & larger.
- Mini Jumbo Jaws - all chucks. For 10" swing & larger.



ACCESSORY JAWS CAPACITY CHART & PART NUMBERS

DESCRIPTION	STRONGHOLD			ONEWAY			TALON		
	P/N	Min.	Max.	P/N	Min.	Max.	P/N	Min.	Max.
Step Jaws	Not Available			2156	A 3/8"	2"	2156	A 3/8"	1-3/4"
					B 7/8"	2-1/2"		B 7/8"	2-3/8"
Spigot Jaws (Premium Profiled)	2104	A 3/8"	1-7/8"	3014	A 1/4"	1-3/4"	3016	A 3/8"	1-5/8"
		B 1-1/8"	2-5/8"		B 1-1/16"	2-1/2"		B 1"	2-3/8"
Spigot Jaws (Smooth)	3235	A 3/8"	2"	3239	A 1/4"	1-7/8"	3239	A 1/4"	1-3/4"
		B 1"	2-5/8"		B 1-1/8"	2-3/4"		B 1-1/8"	2-1/2"
#2 Jaws (Premium Profiled)	2103	A 1-3/4"	3-1/4"	2157	A 1-5/8"	3"	2157	A 1-5/8"	2-7/8"
		B 2-3/8"	4"		B 2"	3-5/8"		B 2"	3-1/2"
#2 Jaws (Smooth)	2948	A 2"	3-1/2"	2573	A 1-5/8"	3"	2573	A 1-5/8"	2-7/8"
		B 2-5/8"	4-1/2"		B 2"	3-5/8"		B 2"	3-1/2"
#3 Jaws (Premium Profiled)	2106	A 3-7/8"	5-1/4"	2158	A 3-3/8"	4-3/4"	3015	A 2-7/8"	4"
		B 4-1/2"	6"		B 3-7/8"	5-3/8"		B 3-3/8"	4-5/8"
#3 Jaws (Smooth)	3236	A 3-5/8"	5"	3237	A 3-1/8"	4-1/2"	3238	A 2-5/8"	3-3/4"
		B 4-3/8"	6"		B 3-7/8"	5-1/2"		B 3-3/8"	4-3/4"
#4 Jaws (Premium Profiled)	3222	A 4-1/4"	5-3/4"	Not Available			Not Available		
		B 4-7/8"	6-1/2"						
#4 Jaws (Smooth)	3221	A 4-1/4"	5-3/8"	Not Available			Not Available		
		B 5"	6-1/2"						
#5 Jaws (Aluminum)	3777	A 5-1/8"	6-3/8"	Not Available			Not Available		
		B 5-7/8"	7-3/8"						
#6 Jaws (Aluminum)	3779	A 6-1/8"	7-3/8"	Not Available			Not Available		
		B 6-3/4"	8-3/8"						
#2 Tower Jaws (Serrated)	3599	A 2"	3-3/4"	3661	A 1-1/2"	2-5/8"	3661	A 1-1/2"	2-5/8"
		B 2-3/8"	4"		B 2"	3-3/8"		B 2"	3-3/8"
#2 Tower Jaws (Premium Profiled)	3602	A 2"	3-3/8"	3658	A 1-1/2"	2-5/8"	3658	A 1-1/2"	2-5/8"
		B 2-3/4"	4-1/4"		B 2"	3-3/8"		B 2"	3-3/8"
#3 Tower Jaws (Serrated)	3600	A 3-3/4"	5"	3660	A 3-3/8"	4-1/2"	3660	A 3-3/8"	4-1/2"
		B 4-3/8"	5-7/8"		B 3-7/8"	5-1/8"		B 3-7/8"	5-1/8"
#3 Tower Jaws (Premium Profiled)	3603	A 3-5/8"	5"	3659	A 3-3/8"	4-1/2"	3659	A 3-3/8"	4-1/2"
		B 4-3/8"	5-7/8"		B 3-7/8"	5-1/8"		B 3-7/8"	5-1/8"
#4 Tower Jaws (Premium Profiled)	3990	A 4-1/4"	5-3/4"	Not Available			Not Available		
		B 4-7/8"	6-1/2"						
Mini Jumbo Jaws	2966	A 3"	8-1/8"	2967	A 2"	8-1/8"	2967	A 2"	7-7/8"
		B 5"	10-1/8"		B 4"	10-1/8"		B 4"	9-7/8"
Jumbo Jaws	2136	A 2-3/4"	11"	2047	A 2-7/8"	11"	2047	A 2-7/8"	10-3/4"
		B 4-3/4"	12"		B 4-7/8"	12"		B 4-7/8"	11-3/4"
Mega Jumbo Jaws	2159	A 1-3/4"	14"	Not Available			Not Available		
		B 4-3/4"	15"						
Flat Jaws	2756	---	---	2678	---	---	2678	---	---
Base Jaws	2094	---	---	2141	---	---	2952	---	---
Pen Turning	Not Available			Not Available			4087	1/2"	1-1/8"



A=External or compression chucking. Use this measurement when grabbing onto a tenon.

B=Internal or expansion chucking. Use this measurement when expanding into a recess.

Smooth - no serrations (a.k.a. Dovetail)

Serrated - serrations in the same shape as the jaw;

Premium Profiled - serrations in a patented shape to achieve maximum gripping power on both round and square stock.

* No overlap with #2 Jaws.

PREMIUM PROFILED vs SERRATED JAW DESIGN?

There are advantages to both types of jaws, however we at ONEWAY recommend our patented profiled jaws. At design diameter (Figure 1) the serrated design and profile jaws grip equally well, the advantage here for serrated jaws being less wood damage at this specific diameter. However, as soon as you grip something which is not at the

design diameter (Figure 2), profile jaws grip much better as they are holding on with more surface area. Serrated jaws contact only a small area which diminishes as the diameter increases and conversely increases wood damage. Premium Profile jaws also give the turner the flexibility of gripping square stock (Figure 3), which we do not recommend doing if using non-profiled serrated jaws.



Figure 1



Figure 2



Figure 3

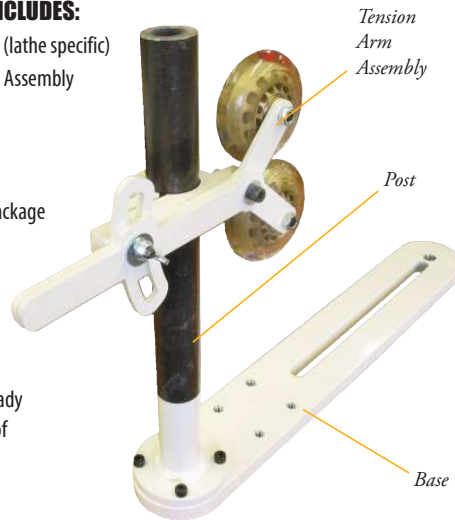
ONEWAY STEADY RESTS

BOWL STEADY PART NO. 3248

Our Bowl Steady rest has been well received by novice and professional bowl turners alike. It's very easy to set up and use and will fit most lathes.

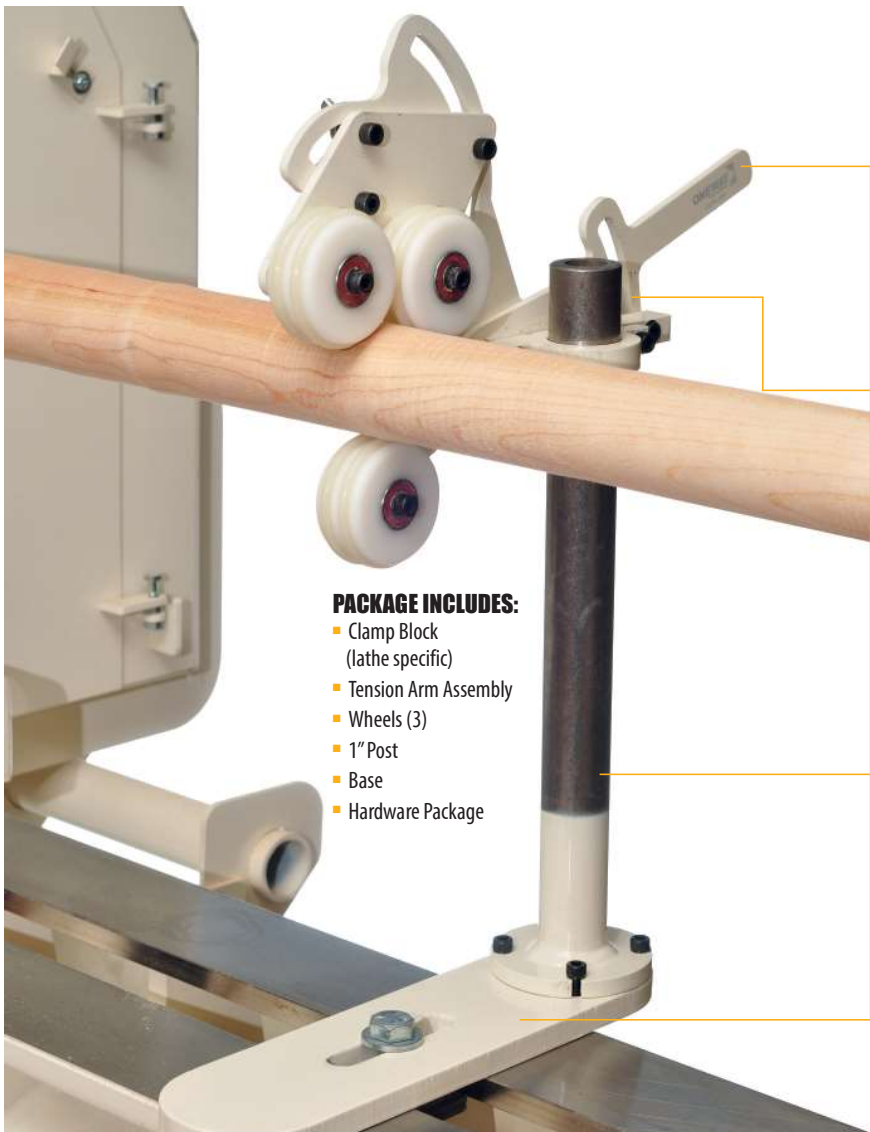
PACKAGE INCLUDES:

- Clamp Block (lathe specific)
- Tension Arm Assembly
- Wheels (2)
- 1" Post
- Base
- Hardware Package



TURN YOUR BOWL STEADY INTO A SPINDLE STEADY!

You can purchase the Spindle Head Assembly to transform your Bowl Steady rest into a Spindle Steady Rest. Just move the post forward to the spare set of holes (on the base) and attach the Spindle Steady Head Assembly.



PACKAGE INCLUDES:

- Clamp Block (lathe specific)
- Tension Arm Assembly
- Wheels (3)
- 1" Post
- Base
- Hardware Package

Why a Bowl Steady?

Woodturning is all about vibration and how to deal with it. Vibration can become a problem in the following situations:

- Spinning out of balance work pieces
- Excess play in spindle bearings
- Flexibility of the wood

No matter how good the lathe is that you are turning on, the machine cannot stop vibration caused by flexibility in the wood. Spindle turners have been using steady rests for as long as people have been turning wood, but bowl turners have never used them. Spindle steady rests are generally not suitable for bowls, so at the urging of Dave Lancaster (a professional bowl turner in Maine) we set out to design a steady rest that takes into account the unique demands of bowl turning.

Increased Safety

When turning a bowl or platter, you no longer have to try to support it with your fingers. A nasty catch can break any bowl into pieces, and if you are supporting it with your fingers you can get badly cut.

Using the Bowl Steady

To use the Bowl Steady, bring the two wheels up close and perpendicular to the rim of the bowl or platter you are turning. Loosen off the wing nut and give the tensioning arms a squeeze. When they are firm against the rim, tighten the wing nut and you are ready to go. The thinner the bowl is the more the bowl steady will help.

SPINDLE HEAD ASSEMBLY ONLY PART NO. 3308

SPINDLE STEADY PART NO. 3280

After using the bowl steady for only a short time, we realized the same scissor principle could be applied to a spindle steady rest. The resulting steady rest is different than any other steady rest in history. Pressure can be applied to the spindle to hold it rock solid without bending it. It can also be mounted without removing your workpiece or your tailstock from the lathe.

These Steadies are easy to put on the lathe and on most lathes can be mounted at any time. They use up virtually no swing and most importantly dampens most vibration. With less vibration problems you can employ a wider variety of cuts and cutting styles to get the finish you want.

It will handle spindles from 1/2" to 3".

Note: Clamp Block may be packaged separately. Extra Clamp Blocks available.

SPINDLE STEADY REPLACEMENT O-RINGS PART NO. 3921

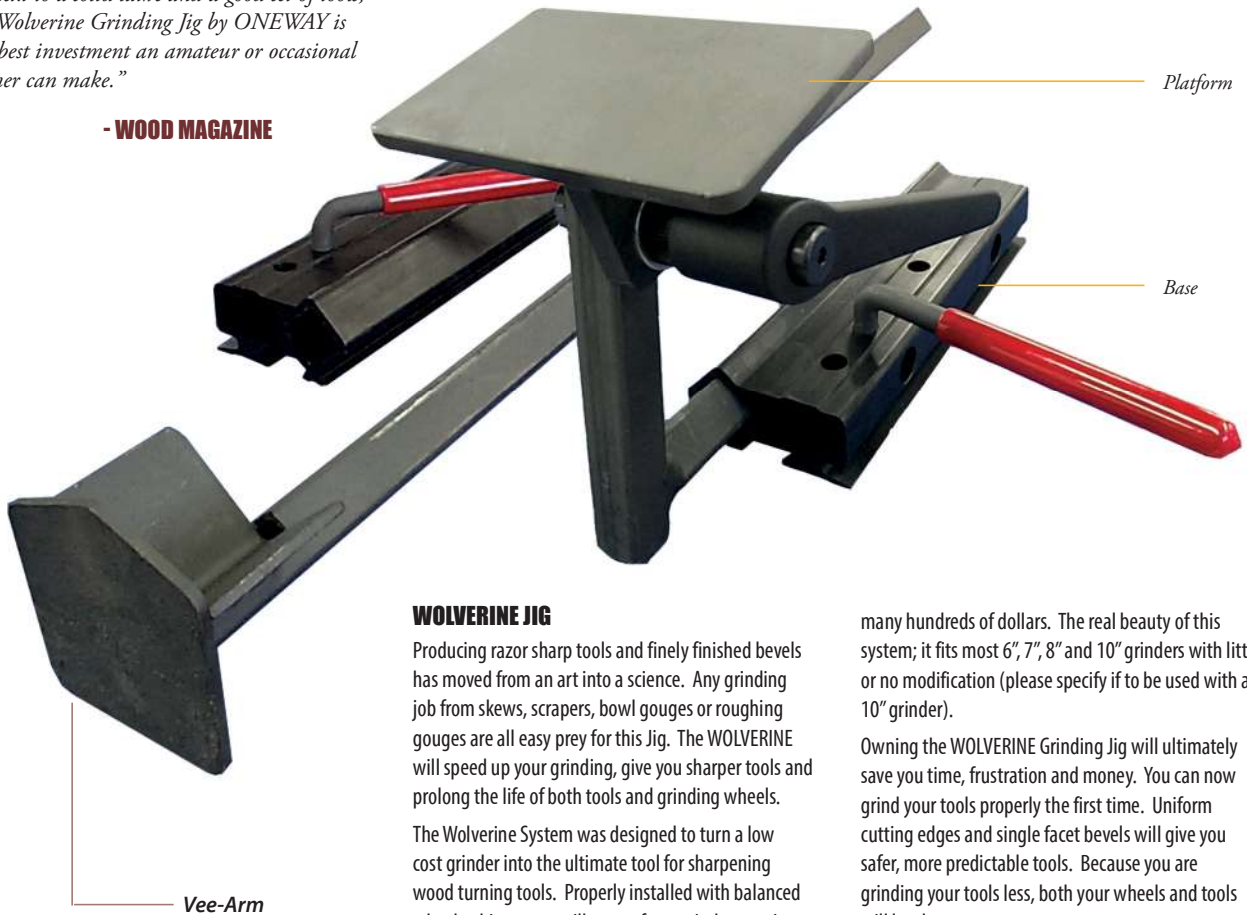
6 Rings per pack

WOLVERINE GRINDING JIG

INDEPENDENT REVIEW

“...next to a solid lathe and a good set of tools, the Wolverine Grinding Jig by ONEWAY is the best investment an amateur or occasional turner can make.”

- WOOD MAGAZINE



WOLVERINE JIG

Producing razor sharp tools and finely finished bevels has moved from an art into a science. Any grinding job from skewers, scrapers, bowl gouges or roughing gouges are all easy prey for this Jig. The WOLVERINE will speed up your grinding, give you sharper tools and prolong the life of both tools and grinding wheels.

The Wolverine System was designed to turn a low cost grinder into the ultimate tool for sharpening wood turning tools. Properly installed with balanced wheels, this system will outperform grinders costing

many hundreds of dollars. The real beauty of this system; it fits most 6", 7", 8" and 10" grinders with little or no modification (please specify if to be used with a 10" grinder).

Owning the WOLVERINE Grinding Jig will ultimately save you time, frustration and money. You can now grind your tools properly the first time. Uniform cutting edges and single facet bevels will give you safer, more predictable tools. Because you are grinding your tools less, both your wheels and tools will last longer.

WHAT'S INCLUDED

TWO BASES

The WOLVERINE comes with two aluminum anodized bases, one for each side of the grinder. By mounting one under each wheel, grinding operations can rapidly be performed on either side of your grinder without having to reposition bases. Because bases mount directly under grinding wheels they are completely out of the way for occasional freehand grinding. Bases are equipped with cam clamping that makes removing and installing attachments possible in seconds. The cam forces all attachments rigidly into the base which eliminates all play. This system is especially important as it allows the platform to be moved from the right to left side of the grinder without disturbing the angle and maintaining a safe minimum clearance from the grinding wheel. This clearance should always be set from 1/16" to 1/8" from the wheel. Bases are precision machined on modern CNC equipment as are all ONEWAY manufactured products.

PLATFORM

This Grinding Jig also comes equipped with an adjustable angle sturdy platform that has a 3 x 5 inch working area. It is made from 1/4" thick steel and is machined square after welding. The result is a platform that is both incredibly sturdy and square. This platform can be used on both the left and right hand sides of the grinder. An adjustable speed handle makes adjustments quick and easy and ensures that the handle is never in the way.

The Vee-Arm slides in the base and holds your bevel angle constant. The handle of the tool is set into the Vee-Pocket and the tool's bevel angle can be set while the grinder is off. It then becomes a simple process of fine adjustments to get the exact same grind every time. The Vee-Arm is long enough to hold any standard tool. Adjusting the arm is as easy as unlocking the clamping lever, moving the arm in or out and re-clamping the lever.

Why is owning a grinding fixture so important?

More consistent grinding will give more consistent cutting which will lead to fewer digs and better results.

WOLVERINE GRINDING JIG
EXTRA BASE
EXTRA VEE-ARM
EXTRA PLATFORM ASSEMBLY
MINI PLATFORM ASSEMBLY
 Ideal for sharpening mini tools

PART NO. 2291
PART NO. 2795
PART NO. 2304
PART NO. 2243
PART NO. 3945

WOLVERINE GRINDING JIG

What The Wolverine Jig sharpens...

SCRAPERS

The Wolverine Grinding Jig comes with a 3 x 5 inch adjustable platform which allows even large scrapers to be ground with ease.

PARTING TOOLS

Parting tools are sharpened using the platform. Laying it flat on its side on the platform gives a slight hollow grind which is very desirable for clean parting.

GOUGES

Gouges are ground in the Vee-Arm supplied with the Wolverine Grinding Jig. Once the proper angle is determined, turn on your grinder. Place the tool in the Vee-Pocket, rest the cutting edge directly on the wheel and roll the tool. It's that simple.

CHISELS

Carpenter chisels up to 1 1/4" wide can be sharpened using the Wolverine's Vee-Arm. The arm is adjusted to set the bevel and the chisel can be ground with small sideways motions and light cutting pressure. Three or four strokes on a stop will generate a razor sharp edge.

SKEWS

The Wolverine's Vee-Arm can be used to sharpen skewers but a superior method is described on page 25.

CARVING TOOLS

With a finely dressed 80 or 120 grit wheel, even small carving tools can be superbly ground using the standard Vee-Arm.

GRINDING TIP

If you are working with a tool that will need to be re-sharpened several times, leave the Vee-Arm clamped in place. By doing this you can rapidly reproduce an identical bevel angle. You can also sharpen the tool before you put it away so that your tools will always be sharp while removing only a minimal amount of material.



The ONEWAY Team recommends dry high speed grinding over wet slow speed grinding.



DRY GRINDING AT HIGH SPEED

Pros

- Very fast.
- With a properly conditioned wheel a very good edge can be produced in seconds.
- Reshaping a tool is fast.
- Grinders and wheels are long lasting and low cost.
- Properly dry ground tools out perform wet ground tools.
- Wheels can be trued in seconds with a proper dressing system.

Cons

- Less forgiving due to the speed. Care must be taken to retain tool shape.
- Machine set up is critical. Wheels should be balanced for optimum performance.
- Tools will get hot and burn if the wheels are the wrong type or not properly dressed.

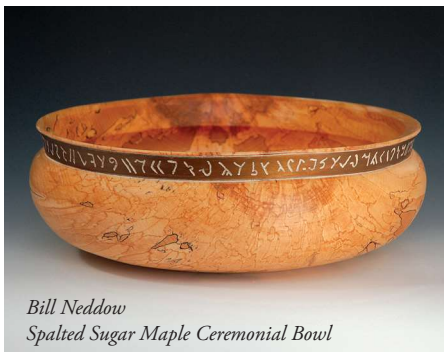
WET GRINDING AT SLOW SPEED

Pros

- Tool overheating is not possible. Hardness is retained.
- A fine surface finish can almost always be obtained.
- Grinding wheels are usually wide therefore wider tools can be sharpened.

Cons

- Messy.
- Rusting can occur.
- Slow - reshaping can take hours.
- Wire edge will form. When this is broken off, the tool is not sharp and must be stropped or honed.
- When the grinding wheel goes out of true (round or flat), resurfacing to true is not possible to do in a reasonable time. Expect to spend hours rather than minutes.



Bill Neddow
Spalted Sugar Maple Ceremonial Bowl

WOLVERINE VARI-GRIND 2

WOLVERINE VARI-GRIND 2

ONEWAY is pleased to introduce an exciting new development in sharpening technology. The new Vari-Grind 2 features all the benefits of the Original Vari-Grind but increases ease of use, and safety. The new Vari-Grind 2 restrains both the side-to-side motion of the tool, as well as the pivot point so that the tool cannot slip in either direction.

The patented pivot point location allows the tool to move in a true cylindrical motion about the adjusting rod which produces a true fingernail and side grind at any bevel angle. The ONEWAY Vari-Grind 2 is the only restrained grinding jig that performs in this way. With the Vari-Grind 2 sharpening is virtually fool proof.

Designed with a bearing based clamp fitted with a nylon cap, the Vari-Grind 2 cannot damage the tool and can be easily replaced if it ever wears out.

Instructional DVD included.



VARI-GRIND 2 **PART NO. 3920**

With Wolverine Grinding Jig Base. Sharpens up to 3/4" dia. tools

VARI-GRIND 2 without Base **PART NO. 3900**

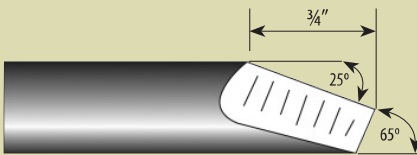
Up to 3/4" dia. tools

BASE sold separately **PART NO. 2795**

Side Grind Gouge Details



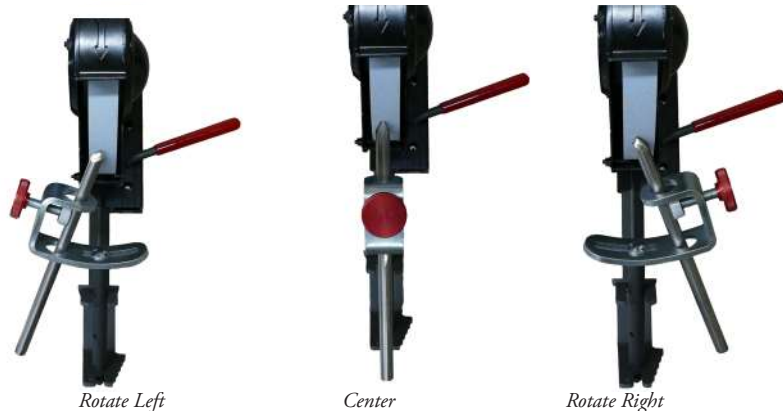
Side Ground Gouge Top View



Side Ground Gouge Side View

The Side-to-Side Motion of Vari-Grind 2

The center point of the cutting tool rotates about the center of the adjusting rod which moves the tool tip in a true cylindrical motion. This motion makes generating proper tool shapes easier and more reliable.



WOLVERINE ORIGINAL VARI-GRIND & SKEW GRINDING

THE ORIGINAL VARI-GRIND

The Wolverine Original Vari-Grind Jig has remained a best seller for many years and for good reason. It will properly shape and maintain the edge on standard bowl gouges, the modern side grind shape and the traditional fingernail shape.

Shown is a Mastercut Bowl Gouge held in the Vari-Grind with a side grind configuration. ONEWAY has spent a considerable amount of time and effort to develop a system which will consistently produce sharp, repeatable geometries on turning tools for the woodturner.

Three tool shapes that are very popular and useful are the fingernail grind, the traditional bowl gouge and the side grind configurations. These shapes however are difficult both to grind and to maintain.

This single attachment will produce every shape from the first mentioned fingernail grind right up to the side grind and everything in between to suit your needs.

NOTE: The Vari-Grind was designed for use with the Wolverine Grinding Jig. This attachment can be used without it by creating a suitable rest position for the fixture.

VARI-GRIND ATTACHMENT PART NO. 2480

Up to 3/4" dia. tools

VARI-GRIND ATTACHMENT PART NO. 3074

Large tools from 1/2" to 1 1/8" dia. tools

VARI-GRIND UPGRADE CLAMP KIT PART NO. 3916

Our first Vari-Grind came with a leaf spring mechanism for holding the tool in place while you tightened the knob. This kit will replace the spring system and increase the tool diameter to 3/4".



Michael Hosaluk
Carved and Painted Hollow Form



SKEW GRINDING ATTACHMENT - Quickly and easily sharpen your skew chisels

SKEW GRINDING ATTACHMENT PART NO. 2690

One reason that the skew leaves such an incredible finish on work pieces is its very thin edge which leaves naturally cleaner cuts. This creates a problem sharpening the skew as this thin edge will easily fold over during grinding. ONEWAY's Skew Grinding Attachment minimizes this problem by allowing the skew to be mechanically held. The unique offset handle position actually reduces the hollow grind generated and leaves a stronger more predictable tool.

INSIGHTS ON DESIGN

Very simply the jig consists of two pockets offset 3 1/2" to either side of the wheel. When the handle of the skew is placed in these pockets the cutting edge becomes square to the wheel. As the tool is moved side to side on the wheel the offset position of the handle forces the tool slightly up and down the wheel. As the tool is forced up the wheel it grinds more off the back of the bevel and flattens the grind producing a virtually flat bevel with greatly improved cutting characteristics. This fixture is a highly recommended option with our Wolverine Grinding System.



The ONEWAY Skew Grinding Attachment is shown with the ONEWAY Wolverine Grinding Jig.

WOLVERINE GRIND N' HONE JIG

Lock into the perfect grind **IMPROVED!**

Enjoy simple, accurate grinding and honing with ONEWAY's fully adjustable Grind 'n Hone. Your chisels and plane blades will have the sharpest, most uniform edges you've ever had the pleasure to work with. In mere minutes!

Now you can grind and hone your ideal bevel and micro bevel in minutes, on every tool, every time.

GRIND 'N HONE PACKAGE PART NO. 3859

GRINDING JIG BASE PART NO. 2795

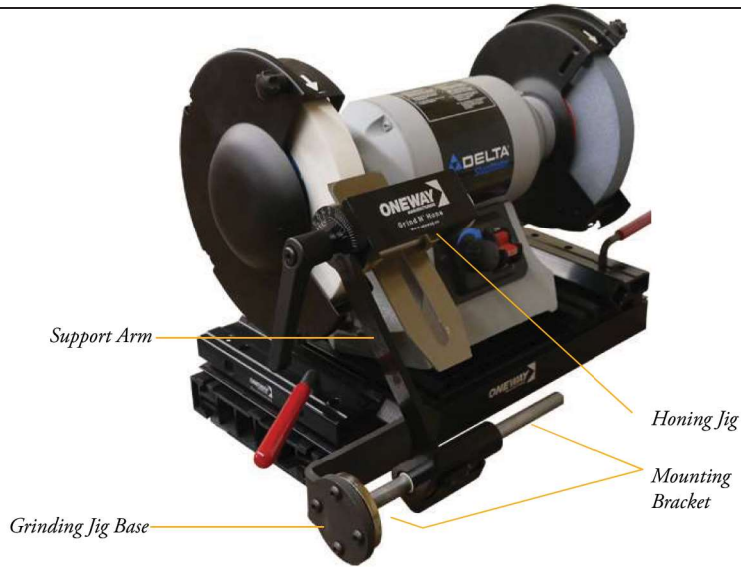
MOUNTING BRACKET PART NO. 3570

HONING JIG & SUPPORT ARM (No Base) PART NO. 3865

Fully adjustable and a breeze to use

With the Wolverine Grind 'N Hone Jig, in one set-up and two stages you can have sharp, clean, accurate, uniform and repeatable bevels and micro bevels like never before, on your whole collection of cutting tools:

- Chisel and plane blades up to 2¾" wide, with lengths of 1¼" and longer
- Bevel angles adjustable in 1° increments
- Now with self-centering blade clamp to keep bevels square
- 2 angle adjustments to grind, then hone in a single set-up for repeatable profiles
- Suitable for 6", 7" or 8" bench or pedestal grinders*



(* Patented or Patent Pending

(* Grinder not included.

- 8 - 10 light passes along the support arm with minimal pressure or heat
- When grinding and honing on stones or Odate Crowning Plates, the wheels stay back off the stone surface while your bevel and/or micro bevel are formed
- Smooth 3-point rolling motion maintains desired angles - honing is smooth and consistent as the jig rolls on flat external surface

* ONEWAY recommends using the Wolverine Grinding Jig (Pages 22 & 23). For clean, accurate grinding wheel surfaces, ONEWAY recommends using the Precision Balancing System (Page 28) and the diamond tipped Wolverine Dressing Jig (Page 27).

Multiple modes in one jig for grinders, stones and plates

Whatever your preferred method, you're only minutes away from the satisfaction of working with beautifully sharpened and beveled planers and chisels:

- Designed for bench or pedestal grinders with ONEWAY's Wolverine Sharpening System
- OR, the jig's rolling mechanism makes it ideal for hand-grinding and honing on stones
- Use with ONEWAY's new Odate Crowning Plates for precision crown radius edges and micro bevels
- Re-designed calibration mechanisms keep bevels uniform from tool to tool

WOLVERINE ACCESSORIES

WOLVERINE UNIVERSAL MOUNTING BASE PART NO. 4148

Mounting your grinder to a board can be a time consuming chore, when all you really want is to sharpen your tools and get back to your lathe. The new Oneway Wolverine Universal Mounting Base is a complete solution to quickly mounting your grinder and wolverine grinding jig bases easily and correctly. The extruded Aluminum base is strong and light. The Oneway Universal Mounting base works great with all the wolverine products. Perfect for using your Grind'n Hone, Dressing Jig, Vari-Grind 2 and Skew Grinding Jig. Wolverine Universal mounting base is currently sold separately.

Part #4148 Wolverine Universal mounting base is Pictured to the right.



GRIND'N HONE ACCESSORY PART NO. 3797

If you already own the wolverine grinding base this accessory can be purchased separately.

WOLVERINE DRESSING JIG

How does it work?

The Support Arm slides into the Wolverine Grinding Jig base. The Holder is mounted into the Support Arm. A fine adjustment knob positions the diamond in relation to the wheel. Dressing the wheel in the required 0.001" increments is easily accomplished by turning the knob by one quarter turns. Minimal care is needed for even finer increments. ONEWAY's Dressing system is the only dresser on the market that allows controlled removal of this minute amount of material.

Benefits

Wheels will:

- Last longer
- Be round, clean and sharp
- Cut faster, cooler and finer

Tools will have:

- An excellent finish
- Sharper edges
- Smoother bevels

All with less burning!

Why dress grinding wheels?

Grinding wheels must be dressed to keep them sharp and clean. Grinding wheels like sandpaper become dull with use. The grit wears down and becomes dull. If grinding wheels are not sharp they begin rubbing rather than cutting, resulting in increased friction causing higher temperatures and burned tools.

Wheels must be kept free from metal particles that build up during sharpening. Like sandpaper that gets clogged with sawdust during sanding, grinding wheels become clogged with metal particles during grinding.

DRESSING JIG PACKAGE INCLUDES:

- One Support Arm
- Sturdy Diamond Holder
- Premium .25 carat non-resettable diamond
- Instructions

DRESSING ATTACHMENT PART NO. 2292
DIAMOND POINT PART NO. 2295

IMPORTANT: The Dressing Jig requires the WOLVERINE Grinding Jig Part No. 2291

**Included with the Dressing Attachment*

ROUGHING DIAMOND DRESSER PART NO. 2990

This hand held dresser is well suited to quickly clean up loaded grinding wheels. Excessive pressure will quickly take away a lot of the grinding wheel, however, the wheel will cut fast and cool for rough shaping. For finishing we recommend final dressing with our Wolverine Dressing Attachment described above.



Picture above is the Wolverine Dressing Jig mounted in a Wolverine Grinding Jig.



Wally Dickeerman
Big Leaf Maple
Beaded Vessel

Q & A: How often should I dress my grinding wheels?

How often you dress your wheel will depend on many factors such as how much sharpening you are doing, the type of wheels you use and the method you use to dress your wheels. The grinding surface should be kept in good condition and dressed when the following occur:

- Excessive heat is noticed during the grinding process
- The wheel looks glazed
- Metal particles that build up in the wheel may cause load lines in the tool you are sharpening

Because ONEWAY's Wolverine Dressing Attachment is mechanically held you can (to a certain extent) control the finish of the wheel. By moving the diamond across the wheel quickly you can attain a 'rougher' finish. By moving it more slowly across the wheel you can attain a 'finer' finish.

PRECISION BALANCING SYSTEM

BALANCING SYSTEM

Tame your grinder and drastically reduce vibration. With ONEWAY's Balancing System, wheels can be custom balanced at a fraction of the cost traditionally associated with this procedure.

Why Balance Grinding Wheels?

Grinding wheels are sensitive to vibration due to their mass and speed. Vibrations can be responsible for inferior finishes on tools and can harm bearing and bearing housings of the grinder. Vibration is caused by unbalanced grinding wheels. Bench or pedestal grinders do not come equipped with a way to balance the wheels. That is why ONEWAY has designed an economical way to balance grinding wheels.

The following defects may be present on your grinding wheels:

- Wheel out of round
- Hole not centered
- Thickness variation
- Density variation

One or a combination of the above cause vibration. If excessive, the wheels must be balanced.

ONEWAY's balancing system is a product which people must see to believe. The difference can be astounding.

Benefits: Wheels, bearings and bearing housings will last longer. Your machine will make less noise. Finishes on your tools and projects will be improved with less effort.



Kim Blatt
Buckeye
Wall
Hangings

PACKAGE INCLUDES

- Right Hand Balance Flange
- Left Hand Balance Flange
- Balancing Fixture Base
- Spacer Washers
- Balancing Nuts, Washers and Screws
- Instructions

All our balancing systems will fit wheels with a hole diameter of 1" or 1 1/4" using the spacers included

Your grinder's spindle size

- | | |
|-----------------------|---------------|
| 1/2" BALANCING SYSTEM | PART NO. 2524 |
| 5/8" BALANCING SYSTEM | PART NO. 2272 |
| 3/4" BALANCING SYSTEM | PART NO. 2535 |

IMPORTANT NOTE: Be sure to specify your grinder's make and spindle size when ordering.

ADDITIONAL FLANGES

Right and left hand flanges sold separately. See page 46 for sizes and part numbers, under the Balancing System section.

How does it work?

Left and right hand balance flanges mount directly to the wheel and stay there until the wheel needs to be replaced, at which time they can be put on new wheels.

This flange/wheel assembly is then placed on the balance fixture base. The heavy side of the wheel will naturally settle at the bottom. The balancing screws are moved towards the top to counter the out-of-balance of the wheel. The screws are moved 'up' in small increments until balanced. The wheel is considered balanced when it no longer settles in one 'heavy side down' position.

Rebalancing may need to be done after the first wheel dressing.

Balanced wheels will give better grinding performance. Once completed, rebalancing should not be necessary for the life of the wheels. You will get better grinding performance needed to get sharp tools for better finishes on your turning projects.

VACUUM CHUCKING

Why Vacuum Chucking?

Vacuum chucking has to be seen to be believed. Put your piece on the drum chuck, turn on the vacuum and the piece is held quickly and securely. Work is not marked and can be removed instantly. We first saw Dave Lancaster using a vacuum chuck in his shop and were so impressed that we consulted with him on the design of our new drum chuck.

Vacuum chucking requires four main items:

- Drum Chuck
- Gauge Kit
- Rotary Air Adaptor
- Vacuum Pump

With this set up you will be able to add a professional touch quickly and easily to almost all your work.

Note: In order to use a vacuum chucking system the following criteria must be met. Your lathe's spindle must:

- Have a through hole
- Have no cross holes drilled
- Be threaded at the outboard end or have a suitable plain section for mounting. Please consult us for specifics

Important: Outboard spindle thread must be specified when ordering.

VACUUM ADAPTOR* PART NO. 2733



These Rotary Adaptors are a good quality, low cost product. Their double bearing, double spacer design make them both durable and dependable.

Because both ONEWAY Rotary Adaptors and Drum chucks fit onto your lathe using a standard large size chuck adapter (Stronghold; see page 16), it is possible to offer virtually hundreds of thread sizes to suit your spindle. Also, if you ever purchase a new lathe or want to use these accessories on a different lathe, it is as simple as purchasing a new adaptor.

GAUGE KIT PART NO. 2977

A gauge so that pressure can be monitored and controlled as well as a way to attach your pump to your rotary adaptor is required.

Gauge Kit Packages Include:

- Vacuum Gauge
- Bleeder Valve
- Mounting Bracket
- Piping
- Hardware Pack
- Instructions
- 3/8" Reinforced PVC Hose

VACUUM PUMP PART NO. 2997

After researching and sourcing many different vacuum pumps, ONEWAY offers a superior vacuum pump for vacuum chucking. The pump is wired 110V and equipped with a hose barb for a simple connection to your piping.

PUMP TECHNICAL SPECIFICATIONS

- 1/4 Horse Power
- 26 inches of Mercury draw
- 4 1/2 CFM at open
- Internal filters keep sawdust and contaminants from getting into the pump

- High Quality Oil-less carbon vane pump ensures no environmental contamination
- Low noise level contributes to pleasant working environment
- 110 Volt power requirement
- Manufactured in the United States

DRUM CHUCKS

12" CHUCK* PART NO. 2987

This drum chuck does not include a former but does include the Neoprene Ring.

8" CHUCK* PART NO. 2980

This cannot be used on pieces less than 8" in diameter. However, for safety we recommend using the largest chuck that a piece will fit.

5 1/2" CHUCK* PART NO. 2979

We recommend that you start with this size as it is the most versatile for bowls with the largest diameter of 6" or more. Any feature less than six inches in diameter should be turned on the 3 1/2" Drum Chuck.

3 1/2" CHUCK* PART NO. 3008

Small size fits any lathe and is excellent for holding smaller parts. Turning egg shapes or spheres for croquet balls are good examples of applications for this drum chuck.

PACKAGES INCLUDE:

- Drum Chuck Body (1)
- Hardware Pack (1)
- Former / Glue Ring (1)
- Instructions
- Neoprene Ring (1)
- Adaptor (1) *May be packaged separately*



ONEWAY Drum Chucks are machined from solid aluminum bar.

EXTRA NEOPRENE RINGS (5 Packs)

- 3 1/2" Neoprene Part No. 3422
- 5 1/2" Neoprene Part No. 3423
- 8" Neoprene Part No. 3424
- 12" Neoprene Part No. 3662

** Important: Inboard spindle thread must be specified when ordering.*

EASY-CORE™ CORING SYSTEM (*)

Why core?

The one main reason that coring is better than hollowing can be said in a single word: SAVING. Coring saves you time, saves your energy, saves your tools, saves your wood and can save a huge amount of clean up.

▪ Saves you time

Coring is a very time effective method to make a bowl. It is far quicker than hollowing.

▪ Saves your energy

You are not only done faster but it is also less physically demanding

▪ Saves your tools

Hollowing out a large bowl can take a toll on your tools and your grinding wheels. Depending on the wood and size of bowl blank being hollowed, tools can get dull quickly and need constant sharpening.

▪ Saves your wood

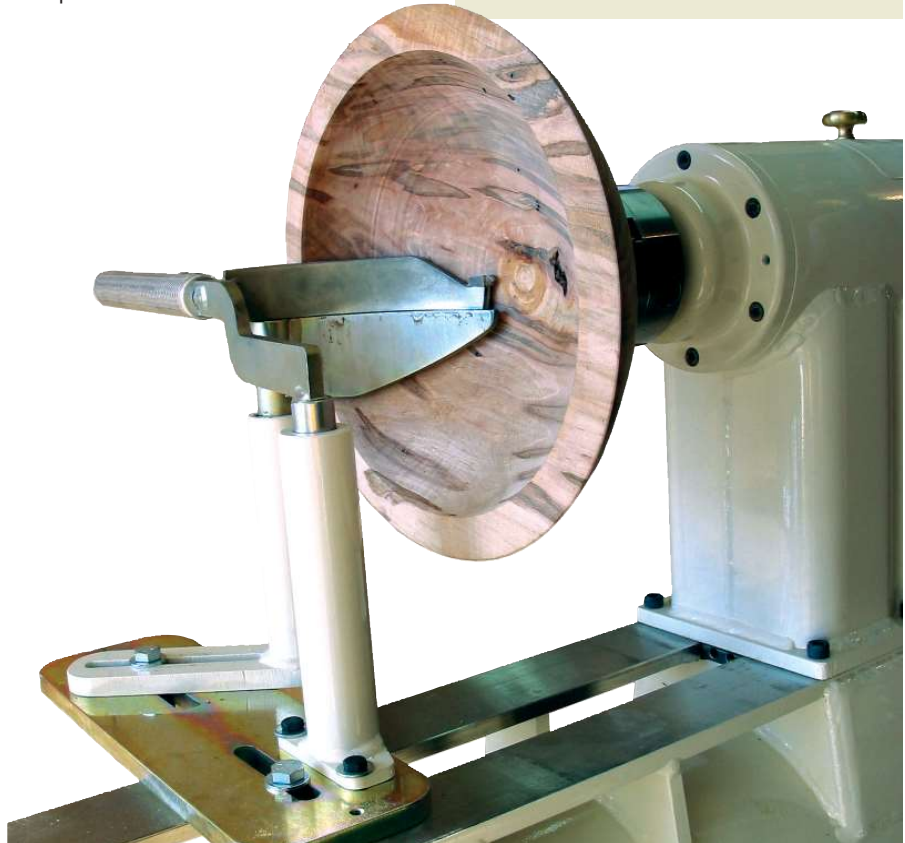
Whether you're using a small piece of expensive wood or a log from the wood pile, coring will save your wood. Less wood required for more bowls gained is an equation in the turner's favor.

▪ Saves you clean up duty

Hollowing a large bowl can produce a staggering amount of wood shavings and chips. Garbage bags can quickly be filled creating a problem of what to do with the waste. The rapid accumulation of chips on a shop floor can also cause a myriad of hazards, often making it necessary to stop and clean up several times before the job is done.

INSTRUCTIONAL VIDEO

Included with every coring system is an instructional video (NTSC Format).



STEPS TO ORDERING A CORING SYSTEM

Step 1: Specify your BASE SET

The base unit needed is determined by the size of the lathe. The distance between the middle of the spindle and the bed of the lathe multiplied by 2 is the base unit required.

Any size lathe from 16" to 26" swing with a flat bed can be accommodated with the Easy-Core™ System. See page 31 for smaller swing options.

A Clamp Block (packaged separately) is included with the Base Unit. This will also vary from lathe to lathe. To determine the size of clamp block needed, measure the distance between the bedways. This gap distance determines the clamp block required. A 12" Sure Grip Tool Handle is included with each base set as well.

14" BASE UNIT	PART NO. 3786
16" BASE UNIT	PART NO. 3203
18" BASE UNIT	PART NO. 4085
20" BASE UNIT	PART NO. 3207
22" BASE UNIT	PART NO. 4114
24" BASE UNIT	PART NO. 3211
26" BASE UNIT	PART NO. 3220

Step 2: Choose your KNIFE SET

The knife sets determine what size bowl blanks can be cored. Four knife sets complete the system but can be purchased separately. Knife sets come with a Support Finger and Cutting Blade (which are curved) and a special cutter tip. Cutters are replaceable and easy to sharpen, even more so when using the Sharpening Jig on page 31. They are made from HSS CPM M2; the same steel used for Mastercut Turning Tools that gives excellent cutter life.

Knife sets are made from quality materials to ensure they hold up to the task at hand. The support fingers for knife sets 1 & 2 are made from 60,000 lb. tensile carbon steel. The support fingers for knife sets 3 & 4 are made from 100,000 lb. chrome nickel steel. One knife set will core two sizes of bowls with fixed radii as set out below.

NO. 1 KNIFE SET - 9" DIA.	PART NO. 3199
NO. 2 KNIFE SET - 11½" DIA.	PART NO. 3200
NO. 3 KNIFE SET - 13¼" DIA.	PART NO. 3201
NO. 4 KNIFE SET - 16¼" DIA.	PART NO. 3202

(*) Patented or Patent Pending

Step 3: Specify your BED Gap

The bed gap is the distance between your bed ways.

Step 4: Consider these RECOMMENDED ACCESSORIES

CUTTER SHARPENING JIG **PART NO. 3677**

See page 31 for details.

NO. 2 MT EXTENDER **PART NO. 3448**

NO. 3 MT EXTENDER **PART NO. 3449**

See page 34 for details on these Tailstock Extenders.

*Doug Magrath
Box Elder Burl Nested Bowls*



EASY-CORE™ CORING SYSTEM (*)

INSIGHTS ON DESIGN

By stepping completely outside the envelope we have produced a Coring System that is head and shoulders about the rest.

The first thing we committed to was fixing the arc that the knife could travel on. The fact is a curved knife can only be fed through a matching curve. Varying the curve while coring by widening the groove just hides the existence of a narrow, exact curve. This does not restrain the position of the curve. Once the position of the curve is decided the knife is fixed and can only cut the matching radius where the turner puts it. This makes it easy to use and also very flexible.

We also had to think about lathe stability and horsepower requirements. We did not want our system to be restricted to ONEWAY lathe owners. We wanted to make it available to everyone with a reasonable sized lathe. It is common sense that coring should not require an extremely heavy-duty lathe. A coring tool is a simple scraper with a cutter that is 3/8" wide. Why should that require a huge lathe?

One problem with coring is vibration.

Vibration while coring is not coming from the headstock being too weak or from the wood. It is caused because the knife is unsupported and usually very long. We solved that problem by supporting the knife inside the groove.

Another problem with coring is that it has traditionally required a large horsepower lathe. Horsepower is required because the groove often clogs with chips which can happen for two reasons. The first is because some systems make it difficult to clear the chips. With the Easy-Core™ System, chips can be easily cleared as often as required because the knife is completely restrained. The second reason the groove can clog is because when progressing through the groove there will always be times when you are cutting grain that will peel off and bind at the knife. The geometry of the cutter solves this problem.

David Lancaster
Cherry Bowl



Innovative Cutter Geometry (*)

Cutter geometry was the most important breakthrough of this system.

While testing several of the first prototypes, everything would be working fine when suddenly the tool would catch. The problem is that it is impossible to see what's going on inside the groove making it a difficult problem to solve.

It took months of intense thought and trial and error. Finally the solution hit. The cutter geometry should have a thin, very negative nose and slightly positive top. The thin negative nose prevents the tool from being pulled into the wood and eliminates catches. Cutters will not grab or dig in.

How does it work?

A heavy duty steel base plate attaches to the bed of the lathe. Two supports, one for the support finger and one for the cutter blade are attached to the base plate. The support finger and cutter blade fit into these supports. The position of the support is determined by the size of the blank being cored and

the wall thickness desired.

A tool handle is attached to the cutter blade and is used to introduce the cutter to the wood. This system has been designed in such a way that the tailstock can be used while coring. Using the tailstock in any woodturning operation greatly increases the safety factor.

When the entry cut is made, the support finger is positioned at the face of the bowl supporting the cutter blade.

The cutter is on a fixed arc and it becomes a simple matter of deepening the cut by exerting pressure with the handle. After progressing 2 - 3 inches into the groove, the cutter should be removed and the lathe stopped to reposition the support finger by introducing it into the groove. This procedure is continued until the knife reaches maximum depth. Tapping the edges of the core will break it loose or it can be pried out with a minimal amount of force. Cores produced will have a smooth surface and be symmetrical.

EXTRA CUTTER PART NO. 3106

EXTRA CARBIDE CUTTER PART NO. 4072

RECOMMENDED ACCESSORY! CUTTER SHARPENING JIG PART NO. 3677

Looking for an easy way to sharpen your coring cutters? Look no further. We have created a little jig that allows you to easily re-create the grind on your Easy-Core™ cutters. It also acts as an applicator, meaning your fingers are further away from the grinding wheel. Simply remove the cutter from the knife, install it in the jig and follow the instructions provided. This nifty jig quickens the sharpening process ultimately saving you both time and money.

IMPORTANT

Our Easy-Core™ Coring Systems utilize a clamp block which varies depending on your lathe. Please specify your lathe bed gap (distance between the bed ways) when ordering.

MINI CORING SYSTEMS

We offer mini coring systems for 10" and 12" swing machines. Because of the smaller size of the blanks being cored, these smaller versions of our Easy-Core™ Coring System utilize only one knife to remove different sized cores. The different size cores are achieved by moving the base.

10" CORING SYSTEM PART NO. 3269

12" CORING SYSTEM PART NO. 3270



WORD ON THE STREET

I started with 98 blanks and ended up with a total of 341 bowls of various sizes. Normally it would take 10 to 12 days to turn and core 98 pieces but with this system it was done in a record time of 5 days. Not only was it faster, I was able to get more cores per blank with this system and I didn't lose a single blank from the coring process. Probably one of the most important things was it put the fun back into coring and at the end of the day my back and arms felt good not like before with other systems. Tim thanks a lot, it is greatly appreciated. The design is brilliant you are very smart, but don't let your head swell.

David Lancaster
Professional Woodturner, Maine

NO-FLEX FACEPLATES

3" FACEPLATES

There are currently two different styles of 3" Faceplates:

Stainless Steel

Stainless Steel is for the woodturner who turns a lot of wet caustic wood like cherry and oak. Making them from this rust proof material gives a lasting faceplate which does not need to be painted as paint can sometimes stain or mark the wood.

Carbon Steel

Alternately a 3" Faceplate made from Carbon Steel is also available. These Faceplates are Powder Painted for a hard wearing, resilient coating.



What's Available?

ONEWAY offers faceplates in the following diameters and thread sizes:

	3"	4"	6"	8"	10"
3/4" - 16 RH	✓	✓	✓		All
1" - 8" RH/LH	✓	✓	✓	✓	these
1 1/8" - 8 LH		✓			sizes
1 1/4" - 8 RH	✓	✓	✓	✓	plus
M33 x 3.5 RH	✓	✓	✓	✓	many

Special threading is available for an extra charge. more!

Call for details.



10" FACEPLATE PART NO. 2395

10" Faceplates are made to take the same taperlock adaptor which is used for the Stronghold Chuck. This means they will fit virtually any spindle. Adaptor part number varies.

Table 1 - Thread Sizes for 3" Faceplates

THREAD SIZE	PART NO. (STAINLESS)	PART NO. (CARBON)
M33 x 3.5	2391-355ss	2391-355cr
1 - 8 TPI LH/RH	2391-327ss	2391-327cr
1 1/4 - 8 TPI	2391-322ss	2391-322cr
3/4 - 16 TPI	2391-336ss	2391-336cr
5/8 - Plain	2391-360ss	2391-360cr

Table 2 - Thread Sizes for 4", 6" and 8" Faceplates

THREAD SIZE	4" (9 HOLES)	6" (24 HOLES)	8" (30 HOLES)
3/4 - 16 TPI	2398-0436	2393-0636	-
1 - 8 TPI	2398-0427	2393-0627	2394-0827
1 1/8 - 8 LH TPI	2398-0425	-	-
1 1/4 - 8 TPI	2398-0422	2393-0622	2394-0822
1 1/2 - 8 TPI	2398-0402	2393-0602	2394-0802
M33 x 3.5	2398-0455	2393-0655	2394-0855

Note: If the thread size of your spindle thread is not listed we can do special custom threading.

4" FACEPLATES

These Faceplates are manufactured from a solid block of steel and then powder painted to resist corrosion.

They are available in Carbon Steel only.

Eight holes are pre-drilled to accommodate screws for securing the piece of wood to the Faceplate.

6", 8" AND 10" FACEPLATES

Our 6" Faceplates are constructed using Cast Iron. This enables us to reinforce the outer diameter with a 1" wide x 1/4" thick rim. This rim is connected to the hub with four ribs and tapered to the full length of the hub. The Result?

A superior faceplate with maximum stiffness and minimum weight. Holes are drilled to take up to #10 screws resulting in one of the best faceplates available today.



LIVE CENTER (Rotating Cup Center)

FEATURES

Threaded Rotating Cup Center

This cup center is the only component which rotates. This feature contributes to a safer working environment. The unique threaded cup center gives several advantages to the woodturner. First, the full point and reversible bull nose cones can be easily attached and removed. Second, if turning outside the capacity of the provided cone a user specific support can be made by drilling a hole in a blank, attaching it to the live center and turning it to suit your requirements.

Double Bearing Design

Two good quality bearings mounted in tandem and greased for life will give good play free performance and minimum vibration when turning.

Precision Machining & Quality Materials

The body is precision machined from premium alloy steel then heat treated, ground and electroless nickel plated. These processes give strength, accuracy and rust protection. The core is also made from high strength steel then heat treated and ground.

- NO. 1 MT LIVE CENTER** **PART NO. 1100**
- NO. 2 MT LIVE CENTER** **PART NO. 2064**
- NO. 3 MT LIVE CENTER** **PART NO. 2065**

Body only packages available. See page 46 for part numbers.

LIVE CENTER ADAPTOR

ONEWAY has developed a quick and easy way to precisely center a bowl in order to hollow it out. This is achieved using a Live Center Adaptor.



1" - 8 TPI Live Center Adaptor

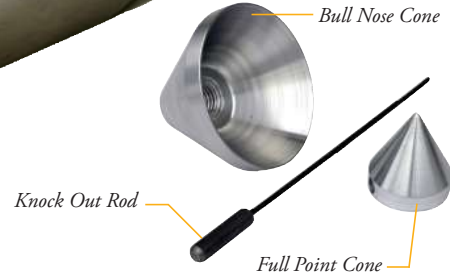
Live Center Adaptors:

- 3/4" - 10 TPI to 1" - 8 TPI** **PART NO. 3941-227**
- 3/4" - 10 TPI to M33 x 3.5** **PART NO. 3941-255**
- 3/4" - 10 TPI to 1/4" - 8 TPI** **PART NO. 3941-222**
- 3/4" - 10 TPI to 1-1/8" - 8 TPI** **PART NO. 3941-224**
- 3/4" - 10 TPI to 7/8" - 14 TPI** **PART NO. 3941-232**
- 3/4" - 10 TPI to 3/4" - 16 TPI** **PART NO. 3941-236**
- 3/4" - 10 TPI to 1" - 12 TPI** **PART NO. 3941-259**
- 3/4" - 10 TPI to 5/8" plain** **PART NO. 3941-260**
- 3/4" - 10 TPI to M18 x 2.5** **PART NO. 3941-287**
- 3/4" - 10 TPI to 1-1/2" - 8 TPI** **PART NO. 3941-303**
- 3/4" - 10 TPI to 1-1/2" - 6 TPI** **PART NO. 3941-381**

*Live Center
No. 2 Morse Taper*



*Thread Size
The rotating cup center is threaded
3/4" - 10 TPI.*



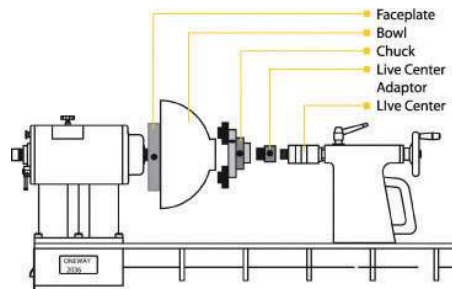
TURNING TIP

How To Precisely Center a Bowl

Live Center adaptors are threaded to screw onto ONEWAY Live Centers effectively changing the 3/4" - 10 thread of the Live Center to the size of the lathe spindle. With one of these adaptors a very precise centering method can be used.

1. Attach a bowl blank to a faceplate
2. Turn the outside of the bowl with a foot or tenon to chuck it on
3. Using the Live Center adaptor, attach a chuck or faceplate to the Live Center
4. Move the tailstock with the Live Center / chuck assembly attached up to the bowl and grab the foot or tenon on the bowl while it is still attached to the faceplate and lathe
5. Remove the faceplate, bowl and chuck from the lathe
6. Remove the faceplate from the bowl blank

You can now screw the chuck onto the headstock and your bowl will be precisely centered and ready to be hollowed out.



FULL POINT CONE

PART NO. 2172

A full point cone is especially suitable for candlestick type artistry.

KNOCK OUT ROD

PART NO. 2063

The knock out rod is used to remove center points and as a spindle stop for attaching and removing cones.

CENTER POINT

PART NO. 2418

These are easily replaced if lost or damaged.

BULL NOSE CONE

PART NO. 2057

A reversible bull nose cone provides support on the outside or the inside of turnings.

PEN TURNING POINT

PART NO. 3673

Specifically designed for pen turners. This point is made from hardened steel to prevent damage caused by turning mandrels.



TAILSTOCK EXTENDER

A recommended accessory to extend the tailstock barrel.

No. 2 MT Extender

PART NO. 3448

No. 3 MT Extender

PART NO. 3449

TAILSTOCK ADAPTOR

No. 3 MT to 2 MT Sleeve

PART NO. 3450

SPURS & SAFE DRIVERS

ONEWAY Safe Drivers and Spurs are made from premium carbon steel. The points are held in the body with a set screw so the length which the point protrudes is adjustable.

CHUCK SPURS

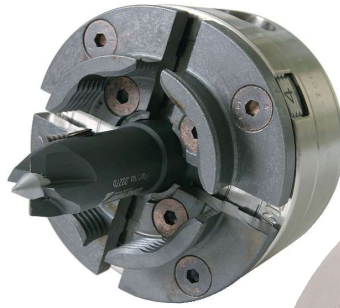
ONEWAY Chuck Spurs are available to mount directly into Chucks made by ONEWAY.

Why buy a Chuck Spur?

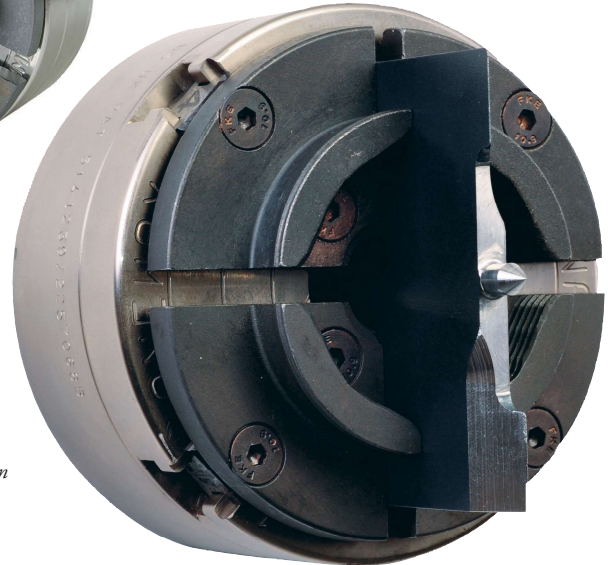
The answer is simple. Convenience. Because of this direct mounting capability, it is unnecessary to remove the Chuck from your lathe to do spindle work.

What sizes are available?

- Our Chuck Spurs come in two sizes. 1/2" and 1".
- The 1/2" Chuck Spur is great for turning spindles that are less than an inch in diameter, i.e. Chair legs.
- The 1" Chuck Spur will work best for anything of an inch in diameter or larger. It is a lot more robust.
- Both our Chuck Spurs have total length of 3 inches.



1/2" Chuck Spur shown



Big Bite Chuck Spur shown

BIG BITE CHUCK SPUR PART NO. 3946

Woodturners are lucky in that turners get to use spectacularly figured woods that are rejected by other woodworkers. The difficult thing is trying to make the best use of the grain of these pieces. If a burl is mounted to a faceplate you have to make your best guess as to what is inside the burl when you are looking at the outside. The ideal solution to make the best use of a challenging piece of wood is to mount it between centers. Two prong spurs work better than four prong spurs for this because you have an easier time tilting the piece and two prongs drive board grain better than four prong spurs. ONEWAY is pleased to introduce the ONEWAY Big Bite Chuck Spur. At 3-3/4 inch diameter it easily drives pieces up to 24 inches in diameter but is safely contained inside the body diameter of even our smallest chuck. The spur has a 1 inch locating plug to center securely into the chuck and it is grabbed crosswise by the jaws for a secure hold. The teeth and point are 60 degrees so it will bite deeply and easily. It takes advantage of the holding power of the chuck making it very economical.

SAFE DRIVERS

Safe Drivers are a good alternative to spurs and a must for inexperienced turners learning how to turn spindles.

Why use a Safe Driver?

A spindle held between a spur and live center can be potentially dangerous. When using a gouge or skew, a piece held using a spur can cause injury to the turner due to the unforgiving nature of the biting teeth of a spur. Using a Safe Driver with light tailstock pressure encourages good tool control because a catch or heavy handedness safely stops the spindle. With heavy tailstock pressure the driving force is adequate for large and heavy spindle type components.

Optionally, No 2 Morse Taper Safe Drivers can be purchased with larger holes drilled thru for lamp augers*.

34



1" CHUCK SPUR
PART NO. 2027A

1/2" CHUCK SPUR
PART NO. 2027B

SPRING LOADED

Our Chuck Spurs and No. 2 MT Spurs and Safe Drivers are springloaded.

The tension on the spring can be adjusted to increase or decrease the amount of pressure on the work piece.



NO. 1 MT SAFE DRIVER

PART NO. 2592

NO. 2 MT SAFE DRIVER

PART NO. 2593

NO. 2 SAFE DRIVER with 5/16" thru hole*

PART NO. 3024

NO. 2 SAFE DRIVER with 3/8" thru hole*

PART NO. 3025

SHOPSMITH SAFE DRIVER

PART NO. 3247



MORSE TAPER SPURS

For Direct Spindle mounting Morse Taper Spurs are available.

NO. 1 MT SPUR PART NO. 2052

NO. 2 MT SPUR PART NO. 2030

MASTERCUT TURNING TOOLS

After researching factors that contribute to the performance of turning tools, ONEWAY designed what we feel will be the best turning tools you will ever own. Three basic components should be considered when buying any tool:

- The steel
- The surface finish of the flute
- The geometry and position of the flute.
- All aspects have been considered to make the ultimate choice in gouges for today's informed turner.

Flute Surface Finish

The flute is finely finished resulting in a better cutting edge. The diameter of the tool is also well finished so the tool feels good in your hand and slides smoothly over the tool rest.

Tools are hardened to 63 RC and the flutes are ground from the solid. This accomplishes two things:

1. There is no decarburization during hardening so the edge gets as hard as it should. Result; the edge will get sharper and stay sharper longer.
2. Assures the finish in the flute is very good. Result; a smooth finish allows wood shavings to slide easily through the flute when turning.

The Steel

The steel used to make the MASTERCUT line is a CPM M4HSS, a high-tech particle metal. This CPM HSS is what truly sets them above the competition. This powder manufacturing process distributes the carbides uniformly through the steel. This process prevents the globular, irregular distribution of carbides and alloys found in conventional HSS.

The benefit of such uniformity in the steel is twofold: it is easier to sharpen and will keep its edge longer. The carbides in this steel are also very fine so there are more of them on the cutting edge of the tool at all times.

CPM steel produces a tool that performs consistently, grinds more easily, takes a keener edge, and can stay sharp up to 3 times longer than conventional HSS.

Did you know *British and North American nomenclature for tool sizes differs?*

The British refer to the distance across the flute whereas North Americans refer to the outside diameter of the tool.

These tools will fit either the Sure-Grip Tool Handles or can be used with the new Thread-Lok Ferrules (page 35).



MASTERCUT LINE OF TURNING TOOLS

	PART NUMBER	TOOL LENGTH	FLUTE LENGTH
3/8" Mastercut Single Ended Bowl Gouge	Part No. 2944	12 1/2"	7 3/4"
1/2" Mastercut Single Ended Bowl Gouge	Part No. 2737	13"	8"
5/8" Mastercut Single Ended Bowl Gouge	Part No. 2308	12 1/2"	7 3/4"
1/2" Mastercut Single Ended Spindle Gouge	Part No. 2288	10"	6"
3/8" Mastercut Double Ended Bowl Gouge	Part No. 3056	15"	6 1/2"
1/2" Mastercut Double Ended Bowl Gouge	Part No. 3057	15 1/4"	6 1/2"
5/8" Mastercut Double Ended Bowl Gouge	Part No. 3058	13 1/2"	5 1/8"
1/2" Mastercut Double Ended Spindle Gouge	Part No. 3055	13 1/8"	5 3/4"

Single Ended vs. Double Ended Turning Tools

Double ended gouges will last twice as long as conventional Mastercut single ended tools and cost only 40% more. Maximize versatility by putting different grinds on each end or minimize trips to the grinder by putting identical grinds on each end and sharpening both in one trip. These tools are not suitable for use with wooden handles. ONEWAY Sure-Grip Handles or any other handle from which the tool can easily be removed make excellent handles for these tools (refer to page 37).

The geometry and position of the flute.

Flute designs are a compromise. Designers at ONEWAY strive to achieve the best middle ground between ability to remove material, agility in tight corners, fine finishing capabilities and ability to resist both vibration and twisting forces. Designers of these tools are woodturners and extensive correspondence with professional woodturners took place before finalizing the design of these tools.

1/2" Bowl Gouge

This medium size deep fluted bowl gouge was designed after extensive testing. Its' purpose: fine finishing cuts inside and outside of bowls with some use on spindles.

3/8" Bowl Gouge

This gouge was designed with a big, wide open flute to allow maximum chip flow. The weight and strength needed to take heavy cuts is also present in this flute design.

5/8" Bowl Gouge

This flute was designed in conjunction with Canadian woodturner Jason Marlow. It has a proportionately tight flute which is extremely useful for fine finishing.

1/2" Spindle Gouge

Unlike conventional shallow gouges, this tool's flute is ground above center resulting in a very stiff tool. This extra heft is useful when taking heavy cuts or reaching a long way off the tool rest. This extra thickness also allows the tool to be ground with either a traditional fingernail or a modern side grind.

TOOL HANDLES, ADAPTORS & **THREAD-LOK™ FERRULES**

THREAD-LOK™ FERRULES

This innovative product from ONEWAY allows you to quickly and easily connect a gouge to a wooden tool handle.

Here's how it works:

The ferrules have an internal threaded taper. By turning a tool handle with a matching taper at the tool end, you can quickly and easily screw the ferrule onto the handle.

If the ferrule ever loosens up, simply give it another twist to lock it on to the handle again.

The tool is then inserted into the ferrule and locked down using the set screws.

If you want to be able to adjust the length on the tool stick out, simply drill an appropriate sized hole into the handle before you turn it. This will allow the tool to be inserted further into the handle and obtain the right balance for the tool.

THREAD-LOK™ SET PART NO. 3649



SURE-GRIP TOOL HANDLES

These handles nicely complement the ONEWAY Mastercut line of turning tools. Heavy duty steel handles are covered in thick plastic. Two set screws clamp the tool rigidly in place. Each handle has two sized end holes. One is 1/2", the other is 5/8". Handles have the capacity to be coupled together to make extra long handles for special turning applications which demand a totally solid handle. These heavyweight handles help to absorb vibration during heavy roughing cuts and add stability for fine finishing cuts. Handles are comfortable to hold and are warmer in the winter to work with than bare steel or aluminum handles.

Handles are available in two sizes:

**12" SHORT TOOL HANDLE (1.75 LBS.)
PART NO. 2303**

**17 1/2" LONG TOOL HANDLE (2.5 LBS.)
PART NO. 2302**

TOOL HANDLE ADAPTORS (*)

Tool handle adaptors fit into the 5/8" end hole of tool handles.



PART NO. 2951 converts 5/8" to 3/8"

PART NO. 2964 converts 5/8" to 3/4"

For the versatility of four sizes of tools in one handle!

(*) Patented or Patent Pending

EACH THREAD-LOK™ SET INCLUDES

- 1/4" Thread-Lok™ Ferrule Part No. 3632
- 3/8" Thread-Lok™ Ferrule Part No. 3633
- 1/2" Thread-Lok™ Ferrule Part No. 3634
- 5/8" Thread-Lok™ Ferrule Part No. 3635
- M4 Allen Key
- Instructions

*Ferrules also sold separately

THREAD-LOK™ TEMPLATES

Templates are available to assist you in turning the taper. You only need one template for each size of ferrule you purchase.

TECHNICAL SPECIFICATIONS

- Ferrules are manufactured from a solid piece of aluminum
- Utilizes M8 x 8 set screws
- They are anodized for a classy look
- The Thread-Lok™ ferrules are also available individually



TERMITE - END GRAIN HOLLOWING TOOL

**THE TERMITE
END GRAIN HOLLOWING TOOL
PART NO. 2176**

- Great for finishing cuts on any flat or curved surface
- Clean cutting for pommels on spindles
- Precise geometry and precision machining on computer driven machines make it work
- ONEWAY's unique sharpening system keeps it working

Keeping It Sharp

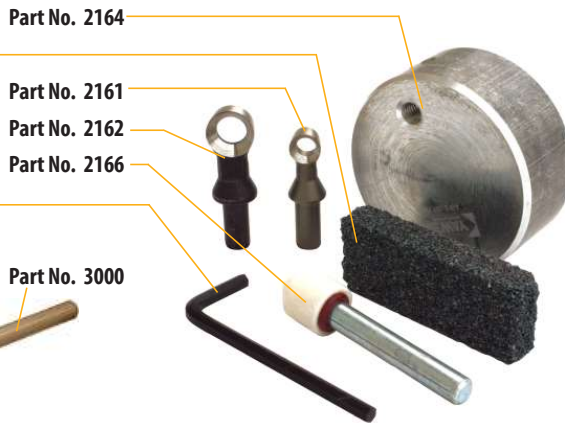
In keeping with ONEWAY policy, not only is this a superb tool but supplied is a means of maintaining the tool. A mounted point dressed to the proper angle and a fixture to hold the Termite Bits for sharpening is included.

1. Mount the point in a router.
2. Mount the Termite Bit in the fixture.
3. Oscillate the inside of the termite around the mounted point thus precisely recreating the edge as originally supplied.



PACKAGE INCLUDES

- Grinding Block
- Dressing Stick
- No. 1 Termite Bit (3/8")
- No. 2 Termite Bit (1/2")
- Aluminum Oxide Grinding Point
- 1/8" Allen Key
- Instructions
- Wooden Handle and Shank



Wally Dickerman
Pierced Vessel

TECHNICAL SPECIFICATIONS

- Cutters are made from HSS CPM M4 - the same steel used for Mastercut Turning Tools and gives excellent cutter life.
- Bits are held with a set screw in a 7 1/2" shank
- Shank has tensile strength of over 110,000 PSI.
- Mounted in a hardwood handle 15 1/2" long.
- Total length is 23" without the cutting tip inserted in the shank.

OPTIONAL EQUIPMENT

**HEAVY DUTY SHANK
PART NO. 3279**

This is an unhandled shank only, which is longer and heavier than the one supplied (5/8" dia.).

**NO. 3 TERMITE BIT (5/8")
PART NO. 2163**

**BORAZON PLATED GRINDING POINT
PART NO. 2936**

This high tech grinding point can be used to replace the aluminum oxide point supplied. As original equipment it will last up to 100 times longer and will not need dressing as it does not tend to load up.



CPM TURNING TOOLS



Bowl Gouges



Spindle Gouges



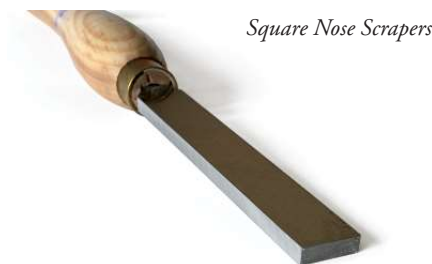
Roughing Gouge



Skew Chisels



Round Nose Scrapers



Square Nose Scrapers

CPM TURNING TOOLS

- Imported from Sheffield England, where quality tool making is a tradition and world renown
- Competitively priced
- Made from compressed and sintered Particle Metal
- Last 4-5x longer than HSS tools
- Vastly superior wear- grindability and toughness
- Wide variety of sizes and shapes to cater to your personal turning needs

BOWL GOUGES

A must in the tool kit of every bowl turner. These tools have both mass and stability. They are ideal for making bowls. They can make either massive profiling cuts or extremely delicate cuts as necessary.

Side Grind - This popular shape with the swept back sides is superb for rapid hollowing or shaping of the outside of a bowl. Once you learn how to use a side ground gouge, it will quickly become one of your favorite grinds. This grind can be easily achieved using the Vari-Grind Attachment (page 24-25) with the Wolverine Grinding Jig (page 22-23).

- | | |
|--------------------------------|----------------------|
| 3/8" Bowl Gouge 12 1/2" Handle | Part No. 4010 |
| 3/8" Bowl Gouge 16" Handle | Part No. 4011 |
| 1/2" Bowl Gouge 16" Handle | Part No. 4012 |
| 1/2" Bowl Gouge 12 1/2" Handle | Part No. 4013 |
| 5/8" Bowl Gouge 16" Handle | Part No. 4014 |
| 7/8" Bowl Gouge 16" Handle | Part No. 4015 |
| 1 1/8" Bowl Gouge 16" Handle | Part No. 4016 |

SPINDLE & DETAIL GOUGES

Spindle gouges are available with either a conventional grind or a with a fingernail grind. The fingernail ground gouges are referred to as Detail gouges. The flute geometry is the same on both but the fingernail ground gouges are more versatile. For regrinding the more difficult fingernail profile we recommend the Varigrind or the Varigrind 2.

- | | |
|-----------------------------------|----------------------|
| 1/4" Spindle Gouge 12 1/2" Handle | Part No. 4004 |
| 3/8" Spindle Gouge 12 1/2" Handle | Part No. 4005 |
| 3/8" Detail Gouge 12 1/2" Handle | Part No. 4006 |
| 1/2" Spindle Gouge 12 1/2" Handle | Part No. 4007 |
| 1/2" Detail Gouge 12 1/2" Handle | Part No. 4008 |
| 5/8" Detail Gouge 12 1/2" Handle | Part No. 4009 |

ROUGHING GOUGES

Recommended for the initial turning of square stock to round. The shape of the roughing gouge enables the tool to cut safely with the wings (the name given to the tips of the side walls) well back from the work piece.

- | | |
|------------------------------------|----------------------|
| 3/4" Roughing Gouge 12 1/2" Handle | Part No. 4003 |
|------------------------------------|----------------------|

Parting Tool



ROUND NOSE SCRAPERS

Best used on flat or concave surfaces. e.g. goblets, egg cups and inside boxes.

- | | |
|--|----------------------|
| 3/4" Round Nose Scraper 12 1/2" Handle | Part No. 4020 |
|--|----------------------|

- | | |
|--------------------------------------|----------------------|
| 1" Round Nose Scraper 12 1/2" Handle | Part No. 4021 |
|--------------------------------------|----------------------|

SQUARE END SCRAPER

For finishing convex forms. eg the outside of a bowl. The end profile can be modified to a specific shape as required.

- | | |
|--|----------------------|
| 3/4" Square End Scraper 12 1/2" Handle | Part No. 4018 |
|--|----------------------|

- | | |
|--------------------------------------|----------------------|
| 1" Square End Scraper 12 1/2" Handle | Part No. 4019 |
|--------------------------------------|----------------------|

PARTING TOOL

Used to part the finished project off from the waste material, the parallel sides make for a rigid tool that handles well. Thinner tools reduce the amount of waste, vital if the wood is expensive or exotic.

Diamond Shape - The special profile of this tool reduces the risk of binding in the cut. It also reduces the amount of heat build up caused by friction thereby lessening the chance of burning the bottom of the parted project.

- | | |
|---|----------------------|
| 3/16" Diamond Parting Tool 12 1/2" Handle | Part No. 4017 |
|---|----------------------|

SKEW CHISELS

Skew chisels are used for fine finishing of spindles. A sharp correctly used skew will give an amazing finish to your work.

- | | |
|---------------------------------|----------------------|
| 1/2" Skew Chisel 12 1/2" Handle | Part No. 4022 |
|---------------------------------|----------------------|

- | | |
|---------------------------------|----------------------|
| 3/4" Skew Chisel 12 1/2" Handle | Part No. 4023 |
|---------------------------------|----------------------|

- | | |
|------------------------------------|----------------------|
| 1" Oval Skew Chisel 12 1/2" Handle | Part No. 4024 |
|------------------------------------|----------------------|

To easily sharpen all the turning tools on this page, please refer to the Wolverine Grinding Jig and all of the Wolverine Attachments found on pages 22 - 27.

LASER GUIDED DEEP HOLLOWING SYSTEM

What Does It Do?

Laser guided hollowing systems allow the turner to easily gauge the wall thickness of a vessel while it is being cut.

How Does It Work?

A laser pointer is set so the laser light is offset from the cutting tip by the desired wall thickness of the vessel. When the hollowing process is started the laser will point mostly to the middle of the vessel. As the vessel is hollowed and the cutting tip moves outward the laser light follows. Once the cutter reaches the desired thickness the laser light falls off the vessel.

What Lathes Can It Be Used On?

The laser light system can be used on any machine that has a flat bed that can support a rear backrest. A rear backrest support is necessary because the laser light must be held square to the bed of the lathe.

What Makes Our Hollowing System Unique To Other Laser Systems?

One of the difficulties of laser pointers is that as you move about the form the laser pointer must be constantly adjusted to keep the laser perpendicular to the area of the vessel that is being cut.

The ONEWAY laser point is designed so that it can be easily adjusted to be perpendicular to the wall of the vessel while the cutter is still inside the vessel.

Why Is The ONEWAY System Better?

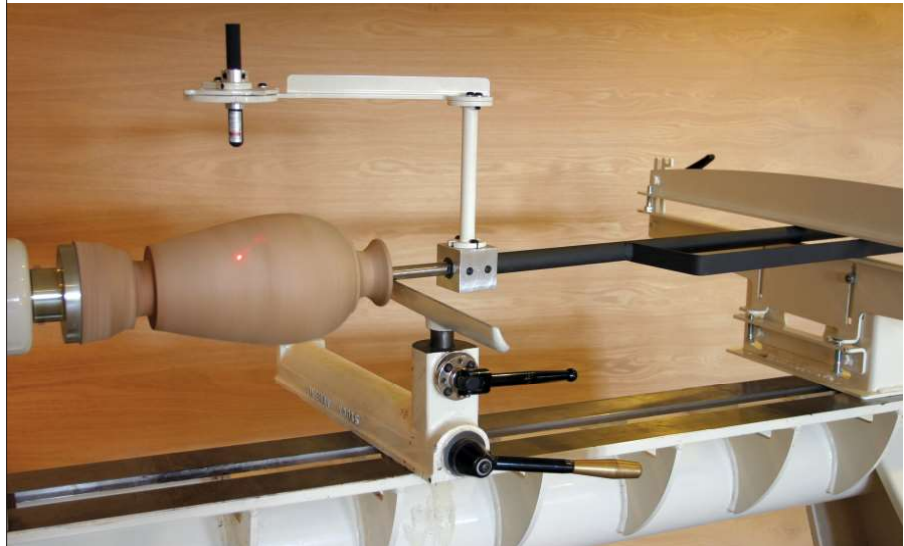
The ONEWAY Laser Guided Hollowing System has been designed to make turning hollow forms easier and safer. Back arresting the hollowing bar reduces the strength needed to control the bar and controls twisting forces which allows the use of offset bars. The backrest is large and easily adjustable for both overall height and height of the gate.

The bars are stainless steel and 5/8" in diameter. The 5/8" diameter was chosen as it allows easier access around the tight neck of a vessel where vibration is not a problem. For deeper vessels an optional 3/4" bar adaptor is available.

Because the tips can be rotated, only three bars are required to hollow a 7 inch diameter sphere through a 1 inch hole with a 1 inch long neck.

Which Tools Are Recommended For A Basic System?

To make full use of the system you should use all the bars. The most used bars are the straight and single bend. More difficult shapes can be achieved using the double bend. Deeper vessels require the 1 inch straight bar.



How Deep Can I Hollow Using This System?

It depends on the type of wood, the kind of lathe, your experience and your patience. Most people will be able to hollow 9 inches deep relatively easily with the standard 5/8" bars.

What Is The Cutter Made From?

The cutter is made from M2 HSS.

How Is The Cutter Sharpened?

The cutter can be easily sharpened on a grinder. It is ground on the outside like any standard scraper. It can also be honed on the top if required.

Is The Backrest Adjustable?

The ONEWAY backrest can be adjusted for height with two screw adjusters. This allows you to get the backrest flat and the right height. The height of the opening in the gate is also adjustable with screw adjustment. The gate can be also be propped open to allow easy insertion and removal of heavy boring bars. The gate can then be set back shut to the preset height.

The backrest is offset and has a slotted base so it can be set with the wide part of the backrest to the front or to the back. For very large offsets it can be rotated.

Do I Have To Be An Advanced Turner To Use The System?

Hollow turning is difficult as you are working blind. The ONEWAY Laser Guided Hollowing System removes most of the problems by giving you a visual aid to where the tool is. You still need a basic knowledge of the proper way to hollow a vessel but now execution is greatly simplified.

COMPLETE PACKAGES

10" - 12" Complete	Part No. 3530
16" - 19" Complete	Part No. 3532
20" - 24" Complete	Part No. 3518

COMPLETE PACKAGE INCLUDES

■ 5/8" Straight Cutter Bar	Part No. 3484
■ 5/8" Single Bend Cutter Bar	Part No. 3480
■ 5/8" Double Bend Cutter Bar	Part No. 3482
■ 1" Straight Cutter Bar	Part No. 3503
■ Backrest	(See Below)
■ Deep Hollowing Bar	Part No. 2912
■ Laser Assembly	Part No. 3472

BACKRESTS

We currently offer three sizes of Backrest. You must pick which Backrest suits the swing of the lathe you will be using it on. The sizes currently offered are:

10" - 12" Backrest	Part No. 3527
16" - 19" Backrest	Part No. 3529
20" - 24" Backrest	Part No. 3487

3/4" ADAPTOR

As we designed the system, we found a smaller bar greatly simplifies working around the neck and shoulder of a vessel. Since the neck and shoulder sections are shallow, vibration of the tool is not a problem. However, as you go deeper, larger and stiffer tools are required to minimize vibration. The 3/4" Adaptor allows you to go deeper with any 3/4" tools you already own.

3/4" Adaptor	Part No. 3485
--------------	---------------

EXTRA PARTS

Extra Cutter for 5/8" Bar	Part No. 3477
Extra Teardrop Cutter for 1" Bar	Part No. 2906
Extra Laser Light	Part No. 3486

VERSA-MOUNT™ UNIVERSAL MOUNTING SYSTEM

The Versa-Mount™ universal mounting system is designed to make exchanging lathe accessories simple and easy. It not only allows you to easily change between accessories on one lathe, you can also go from one lathe to another with different spindle thread sizes!

VERSA MOUNT™ COUPLING

The key to the system is the Versa-Mount™ Coupling (pictured with the Faceplate Rings). This is screwed on to the spindle thread on your lathe and remains permanently mounted. Other accessories like chucks and faceplates are then mounted to the Versa-Mount™ Coupling using a twist & lock type configuration.

Couplings are nickel plated and direct threaded in four sizes: M33 x 3 1/2, 1 1/4" - 8 TPI, 1" - 8 TPI, and 3/4" - 16 TPI.

Does the coupling have a set screw to "lock it" to the spindle?

Yes, all our Versa-Mount™ Couplings have the drilled and tapped holes for set screws to lock it to the spindle.

Can the Couplings be used in reverse?

Yes, the Couplings have countersunk keyholes for the screws. This will prevent the screws coming loose from the coupling when turning or sanding in reverse.

Is the coupling available for other thread sizes?

A Universal Coupling is available, but at a higher cost as a Stronghold chuck adaptor is required to convert it to the appropriate thread. A special wrench is included with each Coupling for removing it from the lathe.

VERSA-MOUNT™ FACEPLATE RINGS

These faceplate rings are designed to be used with the new Versa-Mount™ Coupling (described above). They allow you to un-mount and re-mount large blanks of wood with ease. You no longer have to screw the faceplate onto the spindle which can be extremely arduous depending on the size and weight of the blank.

Simply mount the Faceplate Ring to the blank as you would a standard faceplate, and then lift it onto the bed and into the mounting holes of the Versa-Mount™ Coupling. Tighten down the three Faceplate Ring Screws and you're ready to go! Simple, quick and easy.

Multiple Faceplate Rings can be purchased inexpensively to fit onto one Coupling. Faceplate Rings are powder painted and available in 4 inch, 5 inch, and 6 inch sizes. This makes this system ideal for a classroom setting. If a customer has lathes with different spindle sizes, multiple Couplings can be purchased and pieces can be moved from one machine to another.



Do the Faceplate screw holes accept the same size screws as the ONEWAY No-Flex Faceplates?

Yes. These faceplate rings use the same sized screws as the No-Flex Faceplates (page 33) however; the countersinks are slightly larger on the 4" Faceplate Ring to ensure the head of the screw sits below the face of the ring. This is necessary in order to be able to mount the ring to the Versa-Mount™ Coupling.

What are the advantages of this system?

Screwing a heavy blank which is mounted on a faceplate onto a spindle can be an awkward and difficult task that is beyond the strength of some people. With the new ONEWAY Versa-Mount System, mounting heavy pieces is much easier. The piece still has to be lifted to the spindle but locating and locking it onto the Coupling is much simpler and requires less strength. Three bolts on the Versa-Mount Faceplate Ring engage into matching slots on the Coupling. The Coupling has a pilot which matches up with a bored hole on the Faceplate Rings to ensure concentricity. Once the work piece is in place a simple 1/8 turn will hold the piece sufficiently so that it can be safely let go. The Faceplate Ring can then be easily tightened to the Coupling with three bolts. The danger of cross threading and damaging the faceplate or the spindle is eliminated.

What is the reasoning behind the hole configurations?

We wanted holes opposite so that if they are left on while the blank dries, two screws can be left aligned with the grain and the others removed. We put in eight screw holes because that should be very close to the strength of the three bolts that hold the plate onto the coupling.

Are there any maximum weight recommendations for these Faceplate Rings?

We do not make maximum weight recommendations because so much more is dependent on the speed and out of balance condition than the weight. The heaviest piece we ever mounted damaged the threads on a cast iron faceplate because it was screwed on a little crooked. The Versa-Mount™ will prevent that from happening. Since it is all steel construction it will be in the area of twice as strong.

VERSA-MOUNT™ COUPLING

- | | |
|-----------------------------|---------------|
| ■ M33 x 3.5 | Part No. 3650 |
| ■ 1 1/4" - 8 TPI | Part No. 3651 |
| ■ 1" - 8 TPI | Part No. 3652 |
| ■ 3/4" - 16 TPI | Part No. 3653 |
| ■ Universal (non-threaded)* | Part No. 3654 |

* Requires Stronghold adaptor

FACEPLATE RINGS

- | | |
|-----------|---------------|
| ■ 4" Ring | Part No. 3655 |
| ■ 5" Ring | Part No. 3656 |
| ■ 6" Ring | Part No. 3657 |

VERSA-MOUNT™ CHUCK ADAPTORS

We have added to our line of Versa-Mount™ accessories with the introduction of the Stronghold and Talon/ONEWAY Chuck Adaptors. Once fitted to your chuck you will be able to easily swap between faceplates and chucks with the utmost of ease and versatility.

- | | |
|------------------------|---------------|
| ■ Stronghold Adaptor | Part No. 3664 |
| ■ Talon/ONEWAY Adaptor | Part No. 3665 |

DRILLWIZARD™ & SCREW CHUCK

DRILLWIZARD™ ASSEMBLY PART NO. 3377

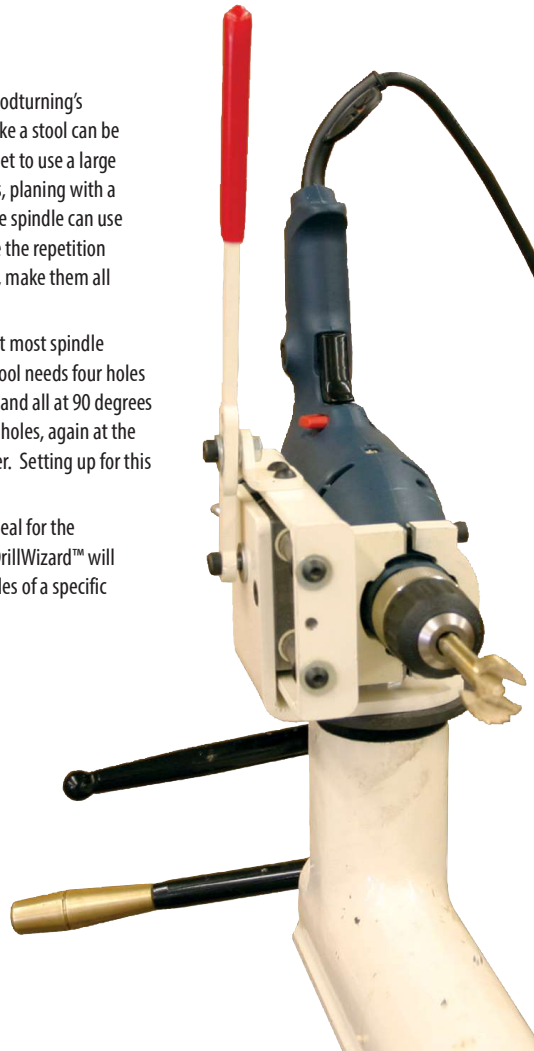
Spindle turning seems to be one of woodturning's forgotten pleasures. A simple object like a stool can be turned quickly and used forever. You get to use a large variety of cuts, coves, beads, v-grooves, planing with a skew, roughing down a square; a single spindle can use almost every cut there is. If you dislike the repetition of doing even four stool legs the same, make them all different!

The trouble with spindle turning is that most spindle turning projects need cross holes. A stool needs four holes drilled in the seat, at the correct angle and all at 90 degrees to each other. The legs will need cross holes, again at the correct angle and indexed to each other. Setting up for this on a drill press is difficult.

Our DrillWizard™ makes it easy. Ideal for the construction of chairs and stools, the DrillWizard™ will allow you to quickly and easily drill holes of a specific depth at a specific angle.



Tim Clay
Wooden Stool



Drill not included

The DrillWizard™ has a 1" post which is inserted into your banjo (toolrest base). It allows you to easily set the hole angle and uses the indexing on your lathe to get the holes in the right place. A collar on the post is used to set the height of the jig from the lathe bed. The Eyebolt (20 threads per inch) is used to set the depth of the hole to be drilled. Therefore, 10 full turns is 1/2".

Note: The DrillWizard™ can be configured for left-hand or right-hand drilling.

SCREW CHUCK

The ONEWAY Screw Chuck was designed in response to a requirement for making small parts. It is especially well suited for projects such as drawer knobs and other items where holding possibilities are limited. You can use any length of slotted, Phillips or square head screw from No.8 to No. 10. The hex bit seats firmly into the screw head. A set screw then pushes the hex bit forward and locks the wood screw from the rear against the brass head in the front.

Small parts can be drilled and held with the same screw size that will be used for installing the piece when it is finished.

PACKAGE INCLUDES

- 3" Aluminum Faceplate
- Six Hex Bits

NO. 1 MT SCREW CHUCK PART NO. 2293

NO. 2 MT SCREW CHUCK PART NO. 2294

Important Notes: Screws are not included.

The 3" Aluminum Faceplate is not included with the No. 1 MT Screw Chuck.



No. 2 MT Screw Chuck



Six Hex Bits



5/32" Allen Key

BUFFING SYSTEM & MULTI-GAUGE

BUFFING SYSTEM PART NO. 2286

Keep the advantages of oil finishes while adding the benefit of high gloss and a smooth feel.

High gloss finishes often involve lots of sanding, foul smelling sprays, and finished pieces that make the wood look like plastic. The ONEWAY Buffing System can help you get a high gloss look while using an oil based finish. Finish the project normally, let the finish cure and buff.

PACKAGE INCLUDES:

- One Firm Wheel Part No. 2286-yc
- Tripoli Compound Part No. 2286-tr
- One Medium Wheel Part No. 2286-wc
- White Diamond Compound Part No. 2286-wd
- One Soft Wheel Part No. 2286-wf
- Carnauba Wax Part No. 2286-cw
- Arbor for 3/8 Drill Chuck Part No. 2225
- Instructions



ADVANTAGES

Buffing wheels are cut from a long strip of cloth that is cut on the bias. It is then wrapped and mounted on an arbor resulting in each long thread being bound to the central hub. Threads don't get flung from the buffer, so wheels last longer. The unique puckered face also buffs better. Wheels are 8" in diameter.

42

MULTI-GAUGE PART NO. 2289

Its flat foot set parallel to the base makes it the one and only tool that really works for precision setting of machines around the shop. Quickly, Accurately. No Fiddling.

The ONEWAY Multi-Gauge is an evolution in the way indicators can be used in the home work shop.

The indicator has a 1 1/32" travel and is exactly 90° to the base. The frame is 1 1/4" thick and is made from quality cast iron. Three sides are precision machined at 90°.

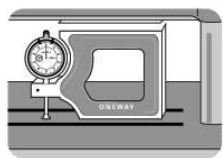
Unlike setting jointer knives with a straight edge, magnets or a machinist's magnetic base, the ONEWAY Multi-Gauge lets you know exactly where jointer knives are in relation to jointer table.



MULTI-GAUGE [No Indicator] PART NO. 2087

Can also be used to:

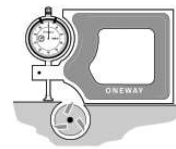
- Accurately measure height of shaper and router bit settings
- Measure drill bit & dowel diameter and flat stock
- Set Depth of cut
- Measure groove depths
- Set rabbet widths
- Check saw blade run out



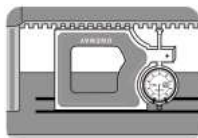
Set planer roller heights



Square fences



Check jointer blade heights



Check planer knife settings



Check jointer in-feed heights



Set blade and dado height on table saws

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3319	Alignment Kit (for use on older lathes)	available on loan
3886	Series 2000 Standard Wheel Set (smooth)	7
2791	Series 2000 Pneumatic Wheel Set (rough)	7
2549a	Banjo (for large swing outboard)+	6
2501	Big Toolrest (11/2" post for large swing out)+	6
2513	Large Swing Outboard Table only	6
3517	X-Long Large Swing Outboard Table only	6
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3302	Curved Toolrest 1" Exterior	14
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David Brenbauer
Redwood Burl Vessel

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3661	No. 2 Tower Jaws - serrated (TN)	18
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3238	No. 3 Jaws smooth (TN)	18
3659	No. 3 Tower Jaws - profiled (TN)	18
3660	No. 3 Tower Jaws - serrated (TN)	18
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3041	ONEWAY Chuck Body Only	17
2156	Step Jaws (OW & TN)	18
3014	Spigot Jaws profiled (OW)	18
3239	Spigot Jaws smooth (OW & TN)	18
2157	No. 2 Jaws profiled (OW & TN)	18
2573	Dovetail Jaws (OW & TN)	18
2158	No. 3 Jaws profiled (OW)	18
3237	No. 3 Jaws smooth (OW)	18
2678	Flat Jaws (OW & TN)	19
2047	Jumbo Jaws (OW & TN)	19
2967	Mini Jumbo Jaws (OW & TN)	19
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(TN) - Talon
(OW) - ONEWAY
(SH) - Stronghold

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* Visit our web site for additional adaptor sizes or call us for assistance.

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Ed Pretty "Golden Egg"

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