

LUMBER JACK



Everyday Woodworking Solutions

PRECISION 100 WOODTURNING CHUCK KIT

MODEL: PCK100



Precision 100 Chuck
(Pictured with Dovetail Jaws)



Dovetail Jaws 70mm



Pin Jaws 50mm



Face Plate Ring 75mm



Screw Chuck

! **WARNING:** Please read and understand manual and safety instructions before use

CONTENTS

Contents	3
What's Included	3
General Safety Instructions	4-5
Specific Safety Instructions for Woodturning Lathes and Chucks	6
Assembly Instructions	7
Jaw Information	8-10

WHAT'S INCLUDED

Precision 100 Woodturning Chuck Kit

Item

100 Woodturning Chuck Body
 Dovetail Jaws 70mm
 Face Plate Ring 75mm
 Pin Jaws 50mm
 Screw Chuck
 T-Handle Allen Key
 Lathe Chuck Key

To get the most out of your new Woodturning Chuck & Jaws, please read through this manual and safety instructions before use. Please also save the instructions in case you need to refer to them at a later date.



WARNING



**READ MANUAL &
SAFETY INSTRUCTIONS
BEFORE USE**



**EYE
PROTECTION
REQUIRED**



**EAR
PROTECTION
REQUIRED**



**DUST
MASK
REQUIRED**



**CAUTION
HEAT
HAZARD**

GENERAL SAFETY INSTRUCTIONS

⚠ WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

READ ALL INSTRUCTIONS

KNOW YOUR POWER TOOL

Read the operator's manual carefully. Learn the applications and limitations as well as specific potential hazards related to this tool.

GUARD AGAINST ELECTRICAL SHOCK BY PREVENTING BODY CONTACT WITH GROUNDED SURFACES

For example: pipes, radiators, ranges, refrigerator enclosures.

KEEP GUARDS IN PLACE and in working order.

REMOVE ADJUSTING KEYS AND WRENCHES Form a habit of checking to see keys and adjusting wrenches are removed from the tool before turning it on.

KEEP THE WORK AREA CLEAN

Cluttered work areas and work benches invite accidents. **DO NOT** leave tools or pieces of wood on the tool while it is in operation.

DO NOT USE IN DANGEROUS ENVIRONMENTS **DO NOT** use power tools in damp or wet locations or expose them to rain. Keep the work area well lit.

KEEP CHILDREN AND VISITORS AWAY

All visitors should wear safety glasses and be kept a safe distance from work area. Do not let visitors contact tools or extension cords while operating.

MAKE WORKSHOPS CHILDPROOF

By removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

DON'T FORCE THE TOOL

It will do the job better and safer at the rate for which it was designed.

USE THE RIGHT TOOL

DO NOT force the tool or attachment to do a job for which it was not designed.

USE THE PROPER EXTENSION CORD

Make sure your extension cord is in good condition.

Use only a cord heavy enough to carry the current your product will draw.

KEEP BLADES CLEAN, SHARP, AND WITH SUFFICIENT SET

Sharp blades minimize stalling and kickback.

DRESS APPROPRIATELY

DO NOT wear loose clothing, neckties, or jewellery that can get caught and draw you into moving parts. Rubber gloves and nonslip footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.

ALWAYS WEAR SAFETY GLASSES WITH SIDE SHIELDS

Everyday eyeglasses have only impact-resistant lenses, they are **NOT** safety glasses.

SECURE WORK

Use clamps or a vice to hold work when practical, it is safer than using your hand and frees both hands to operate the tool.

DO NOT OVERREACH

Keep proper footing and balance at all times.

MAINTAIN TOOLS WITH CARE

Always keep tools clean and in good working order. Keep all blades and tool bits sharp, dress grinding wheels and change other abrasive accessories when worn.

DISCONNECT TOOLS

When not in use, before servicing, or when changing attachments, blades, bits, cutters, etc., all tools should be disconnected from the power supply.

AVOID ACCIDENTAL STARTING

Always check that the switch is off before plugging any power tool into a power source.

USE RECOMMENDED ACCESSORIES

The use of incorrect or improper accessories may result in injury to the operator or damage to the tool.

NEVER STAND ON A TOOL

Serious injury could occur if the tool is tipped.

CHECK DAMAGED PARTS

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly repaired

or replaced by an authorised service centre to avoid risk of personal injury.

USE THE RIGHT DIRECTION OF FEED

Feed work into a blade, cutter, or sanding spindle against the direction or rotation of the blade, cutter, or sanding spindle only.

NEVER LEAVE A TOOL RUNNING UNATTENDED – TURN THE POWER OFF!

Never leave the tool unattended until it comes to a complete stop.

PROTECT YOUR LUNGS

Always wear a face or dust mask to prevent inhaling dangerous dust or airborne particles including wood dust, crystalline silica dust and asbestos dust. Direct particles away from face and body. Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

PROTECT YOUR HEARING

Wear hearing protection during extended periods of operation.

DO NOT ABUSE THE POWER CORD

Never carry a tool by the cord or yank it to disconnect it from the receptacle. Keep cord away from heat, oil, and sharp edges.

USE OUTDOOR EXTENSION CORDS

When the tool is used outdoors, use only extension cords with approved ground connection that are intended for use outdoors and so marked.

NEVER USE IN AN EXPLOSIVE ATMOSPHERE

Normal sparking of the motor could ignite fumes, gases and flammable liquids.

INSPECT TOOL CORDS PERIODICALLY

If damaged, have repaired by a qualified service technician at an authorised service facility. Repair or replace a damaged or worn cord immediately. Stay constantly

aware of cord location and keep it well away from the rotating blades and parts.

INSPECT EXTENSION CORDS PERIODICALLY

Replace if damaged.

KEEP TOOL DRY, CLEAN, AND FREE FROM OIL AND GREASE

Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean the tool.

STAY ALERT AND EXERCISE CONTROL

Watch what you are doing and use common sense. *DO NOT* operate the tool when you are tired. *DO NOT* rush.

DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF

Have defective switches replaced by an authorised service centre.

INSPECT FOR AND REMOVE ALL NAILS FROM LUMBER BEFORE USING THIS TOOL

Following this rule will reduce the risk of serious personal injury.

NEVER START A TOOL WHEN ANY ROTATING COMPONENT IS IN CONTACT WITH THE WORKPIECE

DO NOT OPERATE A TOOL WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY MEDICATION!

WHEN SERVICING

Use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

DOUBLE CHECK ALL SETUPS

Make sure the tool assembly is tight and not making contact with the workpiece before connecting to power supply.

SPECIFIC SAFETY INSTRUCTIONS FOR WOODTURNING CHUCKS AND LATHES

ALWAYS wait for the lathe to fully stop before touching or dismounting the chuck. **NEVER** attempt to stop or slow the lathe chuck by hand.

ALWAYS check that the chuck is mounted correctly before starting your lathe. The chuck will go as far back to the spindle as possible when tight. Check tool rest, headstock, and tailstock are secure before turning lathe on.

ALWAYS ensure the correct safety equipment is used with this chuck, a face shield and safety glasses must be worn when operating the lathe. **DO NOT** wear gloves, necktie or loose clothing. Keep long hair away from rotating spindle.

ALWAYS read these instructions before operating the chuck. Using the chuck incorrectly can result in your workpiece or the chuck itself detaching from the lathe at high speed.

ALWAYS clamp your workpiece in tightly. Failure to clamp the workpiece in place will cause it to detach at high speed.

ALWAYS unplug your lathe when adjusting the chuck or workpiece and remove all chuck keys, wrenches, and adjustment tools before turning lathe back on.

ALWAYS select the correct spindle speed for workpiece size, type, shape, and condition. Use low speeds when roughing or when turning large, long, or non-concentric workpieces. Allow spindle to reach full speed before turning.

ALWAYS fit jaws to the chuck in the correct numbered order. Failure to mount the jaws correctly will cause the chuck to run unbalanced and detach from the lathe or workpiece.

ALWAYS verify each workpiece is free of knots, splits, nails, or foreign material to ensure it can safely rotate on the spindle without breaking apart or causing turning tool kickback.

ALWAYS use the correct tool - take light cuts, use low speeds, and firmly support the tool with both hands. Only use sharp turning tools.

AVOID exceeding the capacity of the chuck by clamping an oversized workpiece. If the workpiece is too large to safely clamp with the chuck, use a faceplate or a larger chuck if possible.

CLEAN AND LUBRICATE the chuck on a regular basis to ensure the jaws move in and out evenly, can be properly secured to the chuck, and provide a solid grip. Brush chips and dust off the chuck and jaws. **DO NOT** use pressurised air that can drive the debris into the chuck.

SAVE THESE INSTRUCTIONS

Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan these instructions also.

WARNING:

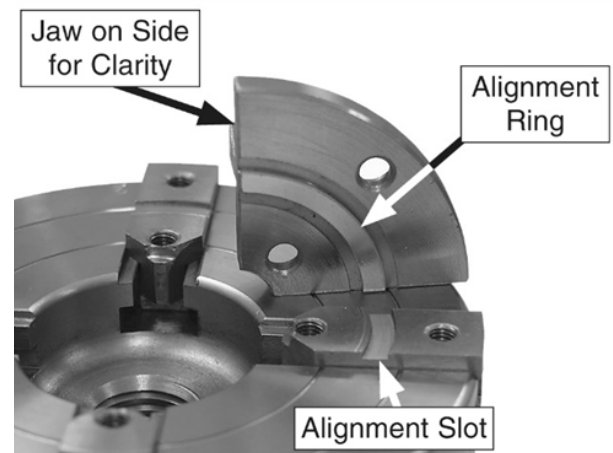
Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area with approved safety equipment.

MOUNTING THE CHUCK JAWS

1. Clean top and bottom jaws and apply a thin coat of oil to the mating surfaces
2. Place top jaws on bottom jaws so alignment rings (see example) fit into alignment slots and screw holes are aligned.
Note: Make sure stamped numbers of chuck jaw guide, bottom jaw, and top chuck correspond with each other
3. Oil the cap screws and thread through the top jaws into the bottom jaws
4. Use chuck key to converge jaws to the centre so they are evenly up against one another and even in height
5. Fully tighten cap screws – do not overtighten
6. Check jaw alignment – they should be evenly up against one another with no gaps and even in height – repeat procedure until they are

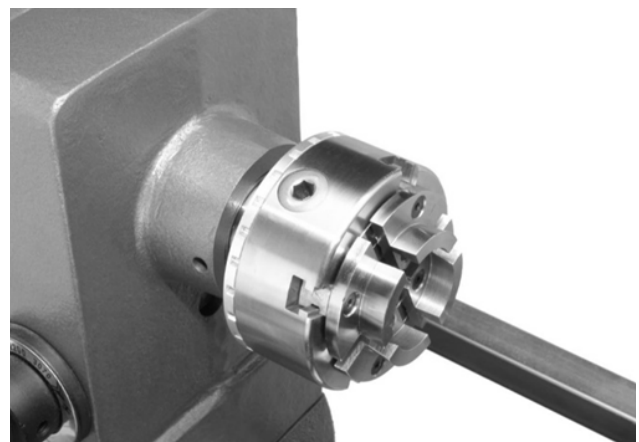


⚠ WARNING: The safety set screw under bottom jaw #4 prevents the jaws from moving beyond safe engagement with the scroll gear. Unsecured jaws could fly off the chuck during operation resulting in serious personal injury to operator or bystanders. Always make sure this set screw is properly installed and tightened when using the chuck.

MOUNTING THE CHUCK

It is important that the chuck is properly mounted to the lathe to ensure safe and accurate turning.

1. Disconnect your lathe from the power
2. Ensure the lathe spindle is clean
3. Attach the required jaws to your chuck
4. Apply light coat of oil to spindle – to stop the chuck and spindle sticking
5. Thread the chuck onto the spindle
6. Hold the spindle still and tighten chuck



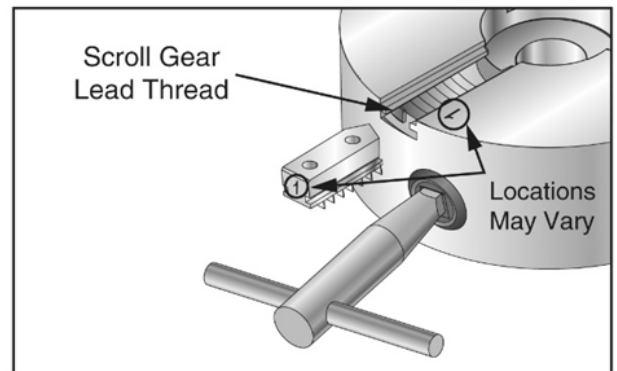
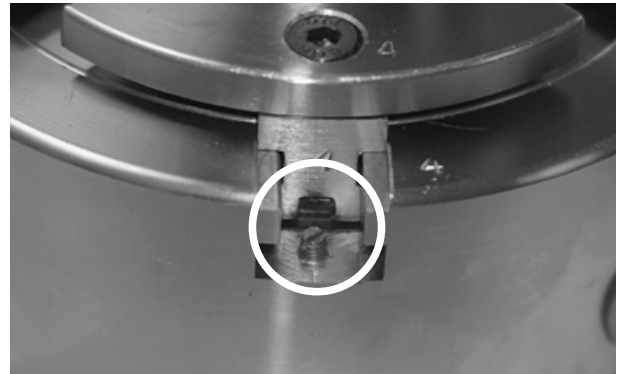
JAW INFORMATION

BOTTOM JAW REMOVAL & RE-INSTALLATION

If you need to remove the bottom jaws (also known as sliders), first remove the top jaws. Using the allen key, close the sliders as if compressing some top jaws onto a workpiece. Remove the safety screw and open the sliders again and remove one by one.

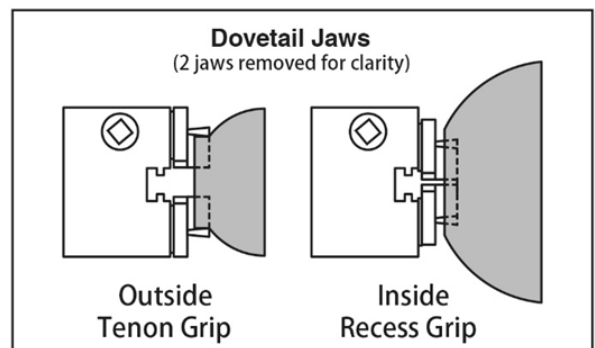
To re-install the bottom jaws, first clean and lubricate the bottom jaws and jaw guides. Make sure the safety set screw is properly installed in jaw guide #4. Rotate the chuck key clockwise until you see the tip of the scroll gear lead thread just begin to enter jaw guide #1. Insert bottom jaw #1 into jaw guide #1, and hold the jaw against scroll gear. Rotate the chuck key clockwise one turn to engage tip of scroll gear lead thread with bottom jaw. Pull the jaw; it should be locked into jaw guide. Install remaining jaws in numerical order.

If jaws do not converge evenly, remove them. Make sure stamped numbers of bottom jaws and jaw guides match, then re-install jaws and make sure each one engages with scroll gear lead thread during its first rotation.



DOVETAIL JAWS 70MM

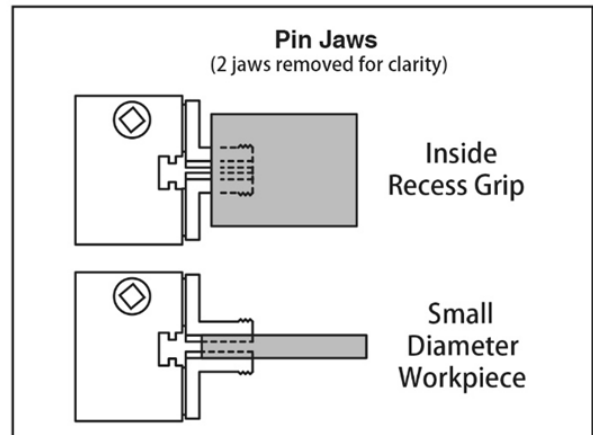
Typically either closed around a tenon (or foot) turned on the bottom of a bowl, or they are expanded into a recess cut into the workpiece.



Compression Grip: 60mm - 40mm
Expansion Grip: 55mm - 75mm

PIN JAWS 50MM

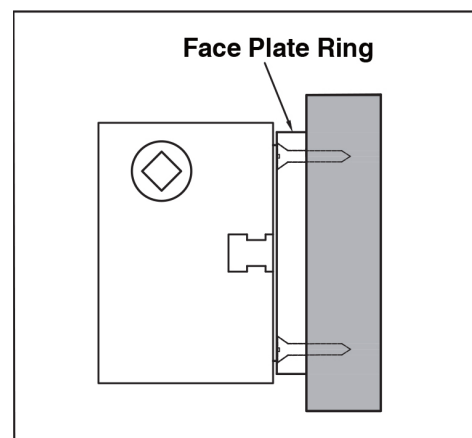
Typically used to expand into a deep recess cut into a bowl-shaped workpiece for initial roughing of the outside and tenon (or foot). The smooth centre surface of the pin jaws can also grip externally around a small tenon on objects.



Compression Grip: 30mm - 10mm
Expansion Grip: 30mm - 50mm

FACE PLATE RING 75MM

Designed for securely attaching bowl blanks and due to the number of screw fittings, bowl blanks will remain rock solid when initially roughing out. The rear of the face plate has a machine dovetail groove which matches the dovetail jaws.

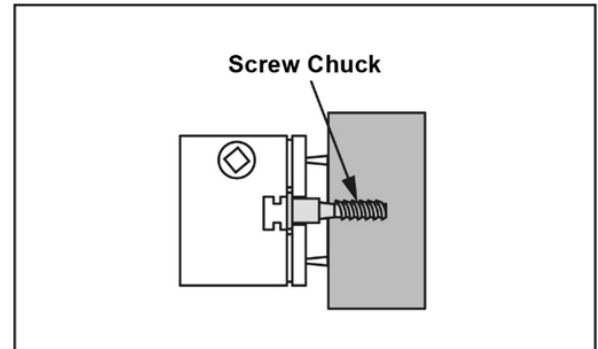


Face Plate Diameter: 75mm
Hole Configuration: 8

JAW INFORMATION

SCREW CHUCK -

Commonly used when turning goblets, candlesticks, small bowls and pepper pots. You simply mark a cross on the end of your turning blank to create a centre point and then screw in the chuck.



JAW SCREW SET OF 8

Use these screws for attaching all jaws to the precision chuck body.



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



**DISPOSE OF
PACKAGING
RESPONSIBLY**



**DO NOT DISPOSE
OF ELECTRICAL GOODS
IN HOUSEHOLD WASTE**

Only for EU countries

Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment (EEE) and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Your local refuse amenity will have a separate collection area for EEE goods.