



Barracuda

4-Jaw Self-Centering Chuck System

Product CSC2000C

The Ideal Chuck for Midi and Full Size Woodworking Lathes

Warranty

Thank you for purchasing one of PSI's growing family of woodworking products. The #CSC2000C is engineered and manufactured to the highest standards of quality. You will find this product an essential accessory to your workshop.

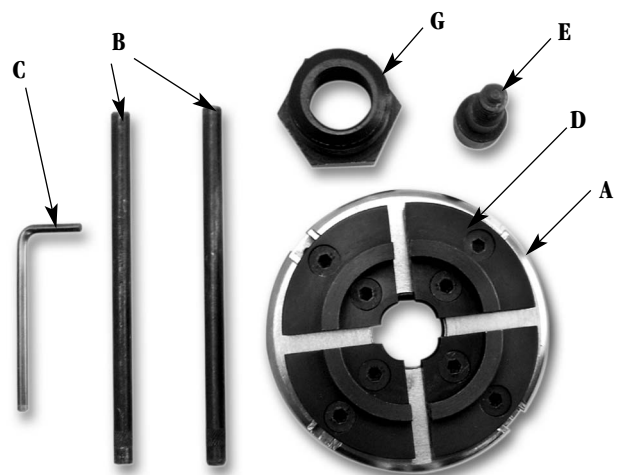
This product is warranted against defects in material and workmanship for a period of two years for all components. This warranty applies to the original purchaser of the product and is limited to the repair and/or replacement of the product, or its parts at the discretion of PSI Woodworking Products. Excluded are parts which have been misused, abused, altered, or consumed by normal operation of the chuck. Also excluded are direct or consequential damages to persons, properties, or materials. Your invoice serves as proof of purchase and must be referenced to authorize any warranty repair. Call your PSI dealer for proper authorization.

Safety Instructions for Chuck System #CSC2000C

1. Do not wear gloves or loose clothing when turning
2. Do not wrap any strip sandpaper or clothing around your hands or fingers when sanding or turning.
3. Use proper eye protection when turning.
4. Check your wood for splits, weakness or cracking prior to mounting on the chuck.
5. Confirm that the wood is tightly gripped before turning your chuck under power.
6. Rotate the chuck manually prior to starting your lathe to confirm proper clearance.
7. Always check and re-tighten after any problem or catch.
8. Use appropriate speeds as referenced in instructions.
9. Always turn with sharp lathe chisels.
10. Capture fine particles from the air with a dust collector.

Package Contents

- A. CSC2000C Barracuda chuck
- B. Tightening levers (2 each)
- C. Hex wrench
- D. 1 set (4 pieces) of #2 round jaws (mounted to chuck)
- E. Screw chuck
- F. 1" x 8tpi adapter (pre-mounted to chuck, not shown)
- G. 3/4" x 16tpi adapter



Additional Jaws (included)

1. #1 Step Jaws
2. #3 Round Jaws
3. Pin Jaws

Flat Jaws sold separately

1



2



3

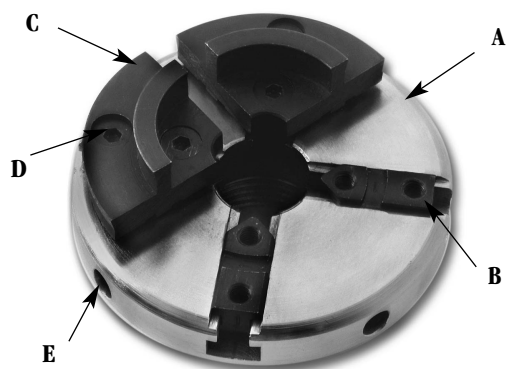


Jaw Capacity Chart

Jaw Style	Gripping Dowel Internal Diameter	Gripping in Hole External Diameter
#1 Step Jaws	11/16" to 3-3/8"	0" to 1-7/8"
#2 Round Jaws	2" to 3-7/8"	1-1/2" to 3-3/8"
#3 Wide Jaws	—	3-1/8" to 5"
Pin Jaws	1" to 2-7/8"	—

Chuck System Description

- A. Main body: designed to hold all jaws as an assembly.
- B. Carrier: to which the top jaws are each attached with one or two hex screws.
- C. Jaws: attached to the carrier, used for gripping the wood piece to be turned (#2 round jaws are shown in the photograph below).
- D. Socket hex screws: attach jaws to chuck (2 per jaw).
- E. Lever tightening holes: insert and turn tightening levers to secure grip



(Shown with two #2 round jaws installed)

Installing the Jaws

Select the appropriate jaw for your project. Place the selected jaw on top of the carrier, matching the number stamped on the main body to the number on each individual jaw. Using the provided hex wrench and the hex set screws, firmly tighten the jaw down onto the surface of the carrier. Repeat this step for for the remaining three jaws.

Maintenance

Brushing is all that is needed to clean your chuck. If the chuck becomes sticky, soak in varisol or mineral spirits with 10% oil added. Soak for thirty minutes and blow dry.

Mounting the Adapter

1. Wipe the inside of the threads and the outside of the adapter to insure both surfaces are clean.
2. Select the appropriate adapter for your lathe, 3/4" x 16tpi adapter or 1" x 8tpi adapter (pre-mounted).
3. Hold the chuck in your hand, screw and tighten the adapter into the bottom threaded portion of the chuck.



Mounting the Chuck to Your Lathe

Screw the completed assembly onto your lathe. The chuck should go on effortlessly with no binding. Screw the chuck all the way until the adapter face contacts the shoulder of the lathe spindle. Lock the spindle, slightly unscrew the chuck and give it a firm spin. This will snap the chuck firmly in place.

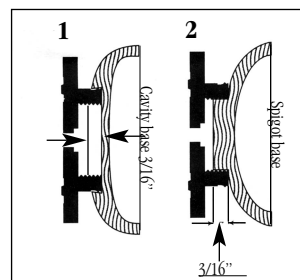
Operating the Chuck

Your chuck has two movable discs. Each disc has 4 holes to accommodate the tightening levers. Insert a tightening lever into one of the holes on each level. Rotate the tightening levers away or toward each other to close or open the chuck.

Chuck Gripping Depth

When turning a bowl, for safety reasons, allow a minimum amount of wood for the chuck to grab while turning.

1. Cavity base (inside grip) – for a 2" diameter base, minimum hole depth is 3/16".
2. Spigot base (outside grip) – for a 2" diameter base minimum grip is 3/16".



Lathe Speeds

Turning: 500-1500 RPM
 Sanding & Polishing: 1500-2500 RPM
 Make sure your wood is properly aligned and balanced when mounted or re-mounted.
 Use slower speeds for larger work.

