

# **nova™**

*Smart Tools, Powerful Solutions*

## **NOVA JUMBO DRIVE CENTER MANUAL**



**SKU 9087**

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## **NOVA JUMBO DRIVE CENTER**

Thank you for purchasing this accessory for your NOVA Machine. Suitable for all machines with 1 ¼" x 8TPI threads; in addition, NOVA does not recommend or guarantee performance when used with any other lathe brand.

The *NOVA Jumbo Drive Center* is perfect for starting medium to large bowls and hollow forms between centers.

This *NOVA Jumbo Drive Center* can be used as a 4-Bladed or 2-Bladed Center, delivering a fully customizable work-holding experience to match your specific project featuring:

- Steel blades can be removed for regrinding or replacement
- Center point is made of steel and can be removed for regrinding or replacement
- Adjustable Center Point Extension delivers the customized holding experience
- Embodies a Large Diameter to distribute the driving load wood coverage

## **NOVA JUMBO DRIVE CENTER CONTENTS**

- NOVA Jumbo Drive Center Body 1 ¼" x 8TPI
- 4 x Replaceable Blades (SKU 9088 each)
- 4 x Blade Lock Bolts M6x16 Socket Head Cap Screws (Use Allen Wrench)
- 1 x Pointed Center Tip 3/8"x 2.3
- 1 x Center Lock Screw M8x20 Cup Point Socket Set Screw (Use Allen Wrench)
- Instruction Manual

## SAFETY RULES

PLEASE READ AND UNDERSTAND SAFETY RULES AND RELEVANT OPERATIONAL SECTIONS LOCATED IN THE MANUAL(S) BEFORE OPERATING THIS NOVA JUMBO DRIVE CENTER AND/OR NOVA MACHINE.

**WARNING:** THIS NOVA ACCESSORY ITEM IS DESIGNED FOR USE ON NOVA MACHINES ONLY. THEY ARE NOT DESIGNED TO FIT AND SHOULD NOT BE USED WITH ANY OTHER LATHE, TO DO SO COULD CAUSE A MALFUNCTION AND RISK OF SERIOUS INJURY. IF YOU ARE UNSURE OF THE USE OR APPLICATION OF THIS ACCESSORY BEFORE USING, CONTACT YOUR RESELLER OR NOVA CUSTOMER SERVICE DIRECTLY.

**DANGER:** THIS CENTER IS CAPABLE OF CONTRIBUTING TO SERIOUS INJURY, AS WITH ANY OTHER POWER TOOL ACCESSORY, IF USED IMPROPERLY ON THE MACHINE.

User must be professionally trained to use this center. Vocational school courses are recommended. As with any other chucking method, an extremely cautious and sensible approach is necessary. **With the NOVA Jumbo Drive Center, it is not possible to give exact directions as to the amount of tightening pressure is required for work holding.** Follow closely strict guidelines in this manual for different jaw types for wood blank diameters length and turning speed.

### NOTICES!!

- **ALWAYS WEAR EYE PROTECTION WHICH COMPLIES WITH CURRENT ANSI STANDARD Z87.1 (USA). A FULL-FACE SHIELD IS USED AT ALL TIMES.**
- **ENSURE THE BLADES AND CENTRE POINTS ARE LOCKED SECURELY BEFORE USING THIS CENTER.**
- **ENSURE THE CENTER IS LOCKED SECURELY ON THE LATHE SPINDLE. CHECK BLADES AND CENTER ON THE SPINDLE BY ROTATING AND INSPECTING BY HAND BEFORE POWERING UP THE NOVA LATHE.**
- **EXCESSIVE SPEED IS A SERIOUS LATHE & MACHINE HAZARD. ALWAYS TURN AT THE LOWEST SPEED POSSIBLE.** DO NOT ATTEMPT TO USE THE CENTER UNLESS THE LATHE SPEEDS ARE KNOWN. YOU MUST STRICTLY FOLLOW THE MAXIMUM SPEED LIMITS SET OUT IN THE OPERATIONAL SECTIONS OF THIS MANUAL. DO NOT EXCEED THEM UNDER ANY CIRCUMSTANCES.
  - Speed required will vary with wood blank size. The larger the blank the slower the speed. Consult your lathe manual.
- **EXAMINE WOOD CAREFULLY. ONLY MOUNT SOUND WOOD.** If any cracks or weakness is found in the wood - DO NOT MOUNT.
  - DO NOT MOUNT WOOD THAT IS LIKELY TO BREAK UP DURING TURNING (i.e. rotten or spongy wood). DO NOT USE POORLY LAMINATED WOOD.
- **DO NOT EXCEED MAXIMUM GUIDELINES FOR WOOD BLANK DIAMETER/LENGTH FOR THE DIFFERENT MODES OF OPERATION.**
- **ALWAYS ASSURE WORKPIECE IS GRIPPED SECURELY BEFORE OPERATION TEST BY WRENCHING WORKPIECE.**
  - IF ANY LOOSENING OCCURS, RE-EXAMINE HOLDING AREA FOR ADEQUATE GRIP (following mounting guidelines) AND ANY DAMAGE TO GRIPPING AREA.
- **VERIFY WORKPIECE IS CLEAR OF OBSTRUCTION BY MANUALLY ROTATING WORKPIECE BEFORE SWITCHING POWER ON.**
  - NEVER ATTEMPT TO GRAB AT A MOVING CENTRE OR WORKPIECE ON A LATHE...TO DO SO WILL CAUSE SERIOUS INJURY.

## USING THE NOVA JUMBO DRIVE CENTER

Before the first use, lubricate the threads a little.

DO NOT hammer on the back of the drive to seat the blank – use a soft face hammer or a block of wood to spread the force of the blow or you could cause damage to your NOVA Jumbo Drive Center.

Removing the drive from the lathe can be done with any 3/8" diameter piece of steel (or a used-up drill bit)

Please ensure your NOVA Jumbo Drive Center screws fully onto the lathe spindle and bottoms hard against the lathe spindle before using. When it seats properly and securely against the lathe spindle, it will ensure the best set up from a safety, stability and accuracy point of view.

1. Once the NOVA Jumbo Drive Center is attached securely to the head stock spindle with the work piece in place, move the tail stock center forward to apply pressure to the opposite end of the work piece.
2. The NOVA Jumbo Drive center will not hold the work piece by itself. The tailstock center is needs to be in place to ensure that the work piece stays in position.

## TO REMOVE THE CENTER FROM THE SPINDLE

1. Locate the 3/8" hole drilled into the NOVA Jumbo Drive Center Body.
2. Lock your NOVA lathe spindle.
3. Using a 3/8" round piece of steel (or the back end of an old drill bit) insert it into the hole until it bottoms out.
4. Tap lightly with a soft hammer until It loosens from the spindle.

## TO SET & REMOVE THE BLADES FROM THE CENTER

You can use the NOVA Jumbo Drive Center in two modes:

1. with all 4 Blades and the Center Point, or
2. with only 2 Blades and the Center point. When using 2 blades, ensure that you are seating them parallel to the grain.

The blades and center piece can be removed for regrinding and the center piece is extendable.



### To remove the blades and the center point:

1. Take an Allen key and locate the appropriate set screw position

2. Loosen the set screw until it screws all the way out
3. Carefully pull the blade up, be careful of the sharp edges

**To set the blades and center point:**

1. Insert the blade in the direction and slot that you want. Be careful of the sharp edges when doing this.
2. Insert the set screw into the appropriate hole.
3. Tighten the set screw with the Allen key, ensuring the blade is locked securely and tightly.
4. Rotate the center on the lathe and check all blades for being locked fully in place before switching on power.

## MAINTENANCE AND CARE

- Always follow instructions on installation and use.
- Clean blades and center piece after use and spray with a protectant product like WD40.
- Additionally, for longer term storage, wrap in an oil-soaked cloth.
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## WARRANTY

Register online: <https://www.teknatool.com/register-your-warranty/> (must include sales receipt)

This NOVA product is backed by a registered warranty from the date of purchase and only to the original purchaser. These limited warranties are non-transferable. Under no circumstances will *Teknatool International Ltd* or *Teknatool USA Inc.* be liable for incidental, special, indirect, and consequential damages or expenses, including loss of profits or loss of operations.

**INSPECTION:** Buyer shall inspect all goods within thirty (30) days of receiving product confirming all parts are in good condition and accounted.

**GUARANTEE:** *Teknatool International Ltd* and *Teknatool USA Inc.* will repair or replace, at its expense and option, a NOVA product which under normal use and intended operation, has proven to be defective in workmanship or material. *Teknatool* will be granted a reasonable opportunity to verify the alleged defect by inspection and testing. *Teknatool* will not be responsible for any asserted defect, which has resulted from normal wear, misuse, abuse, power surges or excess voltage fluctuation, or using in a manner or with material not consistent with proper use, repair or alteration made by anyone other than an authorized service facility or representative. Under these Limited Warranties, the sole liability of *Teknatool* is limited to repair, or at its option, replacement the applicable product or part not in conformity with these Limited Warranties. REFUNDS ARE NOT AVAILABLE. If within the warranty period, identical materials are unavailable at the time of repair or replacement, *IN NO EVENT SHALL NOVA TEKNATOOL'S RESPONSIBILITY EXCEED THE PURCHASE PRICE OF THE PRODUCT OR ITS REPLACEMENT AND RESERVES THE RIGHT TO USE REFURBISHED PARTS.*

**CONDITIONS:** Prior warranty registration is not required but advised via <https://www.teknatool.com/register-your-warranty/>; however, documented proof of purchase (sales receipt/invoice showing date, location, and purchase price paid) must be provided at the time of claim. *\*Billable Repairs: \$60 per hour, customer pays for shipping to/fro and provides own shipping container; \*\*Warranty Repairs: we pay for shipping to/fro and customer provides own shipping container; repairs are covered within warranty.*

**OVERSEAS CUSTOMERS:** Our NOVA Distributors and agents will issue their own warranty to cover this product. Terms may vary from those stated above; please check with your dealer. In North America warranty covers Continental USA only. For Alaska, Hawaii and other areas, warranty covers replacement of parts only and excludes transport costs.

Product	Electrical	Mechanical
All Lathes & *Accessories (except COMET) Comet I & II Drill Presses & *Accessories <i>*excludes belts &amp; consumables</i>	2 years 1 year 2 years	5 years 2 years 5 years
All Chucks & Accessories Jaws Jumbo Drive Center	- -	6 years 6 years 2 years
Chisels: -DoveTail -Smart Chisel Handle	- -	2 years 1 year

**TO FILE A CLAIM:** Contact CUSTOMER SERVICE via <https://www.teknatool.com/contact-us/> or [service@teknatool.com](mailto:service@teknatool.com) with a full description for claim to include pictures/videos. All claims must include the original bill of sale, the product serial number, and be filed within the applicable warranty period. Teknatool reserves the right to require defective parts be returned upon request. You must make arrangements with *Teknatool* to schedule the transportation of the parts from your home to the retailer or from the retailer to your home. A RETURN AUTHORIZATION (RA) form will be sent to you via email. Items shipped to *Teknatool* without a RA form will be refused at shippers' expense. If the retailer from which you purchased the product is not able to service your product, contact Teknatool in writing to [service@teknatool.com](mailto:service@teknatool.com).

Our policy is one of continuous improvement. We therefore reserve the right to change specification/design without notice. This warranty is *Teknatool International Ltd* and *Teknatool USA Inc.* sole warranty whether written or verbal, whether expressed or implied by law, trade, custom, or otherwise, whether of merchantability, fitness for purpose, or otherwise, except for remedies available to customers under the Consumer Guarantees Act or other legislation