



## Frequently Asked Questions

# DO YOU HAVE A CHUCK TO FIT MY LATHE?

Date Raised: May 2000

Safe practises should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on [service@teknatool.com](mailto:service@teknatool.com)

Date Amended: April 2003

The Teknatool SuperNova, SuperNova Deluxe and Nova Chucks have the widest range of lathe compatibility on the market.

If you have a known lathe model, it is highly likely that we have a chuck or insert/adaptor to fit it. If we don't, then we have either a blank body chuck or a blank insert, which you can have threaded out to your requirements. To check if we can match your lathe, refer to the tables below. If you don't know what your lathe spindle thread is, see our Self Help Sheet on [Identifying the Lathe Spindle](#).

The first refers to the list of insert/adaptors that we manufacture. Check with us if your lathe is not listed, we update our inserts all the time. The second table refers to the thread sizes which we direct thread into the chuck body - as such, these do not require insert/adaptors. A directly threaded chuck body cannot be altered to a insert type body or another thread size once threaded, so it pays to be sure that your lathe thread size is not covered by the insert/adaptors first!

**Note that all insert/adaptors are fully compatible between the SuperNova, SuperNova Deluxe and Nova Chucks, and that all thread sizes listed here are available for both chucks.**



Picture of a Teknatool Chuck Insert.

### Insert/Adaptor Listing for SuperNova, SuperNova Deluxe & Nova Chucks

For threads under 28mm - if you change your lathe, you don't have to change your chuck! All you have to do is unwind your insert/adaptor, and put in a new insert/adaptor.



Above Left: Fitting the insert/adaptor to the chuck.  
 Above Right : The Insert/Adaptor fitted.

Code	Description	Thread Size	Lathe Match (where known)
<b>12NS</b>	INSERT 2	M20x2 RH (Metric)	• Tyme Cub
<b>13NS</b>	INSERT 3	M20x1.5 RH (Metric)	• Electra Beckum / Multico Sumaro
<b>16NS</b>	INSERT 6	3/4" Plain Bore	
<b>17NS</b>	INSERT 7	1 1/8" 8 TPI UN	(NOT UNC)
<b>18NS</b>	INSERT 8	7/8" 12 NS LH	
<b>19NS</b>	INSERT 9	3/4" 16 TPI RH with 6mm register	

<b>IAN</b>	INSERT A	3/4"14TPI BSP RH	<ul style="list-style-type: none"> <li>• Teknatool TL1000 (Pre 1986)</li> </ul>
<b>IBNS</b>	INSERT B	3/4"14TPI BSP LH	<ul style="list-style-type: none"> <li>• Teknatool TL1000 (Pre 1986)</li> </ul>
<b>ICNS</b>	INSERT C	1" 10TPI BSF RH	<ul style="list-style-type: none"> <li>• Teknatool TL1000</li> <li>• Woodfast</li> <li>• Durden</li> </ul>
<b>IDNS</b>	INSERT D	1" 8TPI UNC RH	<ul style="list-style-type: none"> <li>• Delta</li> <li>• Rockwell</li> <li>• Golding</li> <li>• General</li> <li>• Teknatool Comet (North America) &amp; Mercury Lathes</li> </ul>
<b>IENS</b>	INSERT E	1"12TPI RH	<ul style="list-style-type: none"> <li>• Myford ML8, Turnstyler</li> </ul>
<b>IFNS</b>	INSERT F	5/8" Plain Bore RH	<ul style="list-style-type: none"> <li>• Shopsmith</li> </ul>
<b>IHNS</b>	INSERT H	3/4"10TPI BSW RH	<ul style="list-style-type: none"> <li>• Rockwell / Homecraft</li> </ul>
<b>IINS</b>	INSERT I	M24x3 RH (Metric)	<ul style="list-style-type: none"> <li>• B Line</li> <li>• Arundel K600/K450</li> </ul>
<b>IJNS</b>	INSERT J	1 1/8"12 TPI RH	<ul style="list-style-type: none"> <li>• Myford Myster, Masterlathe (NZ)</li> </ul>
<b>IKNS</b>	INSERT K	M18x2.5 RH (Metric)	<ul style="list-style-type: none"> <li>• Elu DB 180</li> </ul>
<b>ILNS</b>	INSERT L	1 1/4"8 TPI RH	<ul style="list-style-type: none"> <li>• FOR NOVA DVR 3000 LATHES ONLY</li> </ul>
<b>IMNS</b>	INSERT M	1"10TPI BSF LH	<ul style="list-style-type: none"> <li>• Teknatool TL1000</li> <li>• Woodfast / Durden</li> </ul>
<b>INNS</b>	INSERT N	Blank. Can be threaded up to 28mm (1 1/8") to match your lathe size	<i>Once threaded, this blank adaptor cannot be re-threaded.</i>
<b>IONS</b>	INSERT O	1 1/8" 7 TPI BSW RH	<ul style="list-style-type: none"> <li>• Morton</li> </ul>
<b>IQNS</b>	INSERT Q	M30x3.5 RH (Metric)	<ul style="list-style-type: none"> <li>• Teknatool TL1500/3000/Comet (European &amp; Southern Hemisphere)</li> <li>• Woodfast</li> </ul>
<b>ITNS</b>	INSERT T	1"8 TPI Dual Threaded LH and RH	<ul style="list-style-type: none"> <li>• Teknatool Nova Mercury Mini Lathe</li> <li>• Jet</li> </ul>
<b>IUNS</b>	INSERT U	1 1/8" 12 TPI UNF RH	<ul style="list-style-type: none"> <li>• Taiwanese</li> </ul>
<b>IVNS</b>	INSERT V	7/8"14 TPI NF RH	
<b>IYNS</b>	INSERT Y	1 1/4" UNS 8 TPI RH	<ul style="list-style-type: none"> <li>• Teknatool TL1500/3000/Comet (North America)</li> </ul>
<b>IWNS</b>	INSERT W	M25x2 RH (Metric)	<ul style="list-style-type: none"> <li>• Tyme Avon</li> </ul>

### Thread Sizes Available directly threaded into chuck body (for SuperNova, SuperNova Deluxe & Nova Chucks)

For thread sizes over 28mm - note that as these are threaded straight into the chuck body, these cannot be altered to another thread size or to take an adaptor/insert once purchased. Not all Teknatool Chucks are available in all direct thread options. Check with your reseller or with us for the most up to date information.



SuperNova Chuck thread direct into the body (no adaptor/insert)

<b>Code</b>	<b>Description</b>	<b>Thread Size</b>	<b>Lathe Match (where known)</b>
<b>NSB4</b>	Chuck 4	M33x3.5 RH (Metric)	<ul style="list-style-type: none"> <li>• Scheppach DMV200 &amp; DMT180; Sorby (some markets); OneWay 2036/2436/2016/2416; Wivamac (DB &amp; ADB - all models); Kity; Konig; Hager; Hegner;</li> </ul>

			Flott BD180; Emco DB5, VicMarc VL200 & 300 (not US), APTC Woodfast
<b>NSB5</b>	Chuck 5	3/4"16 TPI UNF 1/8" Spigot	<ul style="list-style-type: none"> <li>• Carba Tec</li> </ul>
<b>NSBD</b>	Chuck D	1"8 TPI UNC RH	<ul style="list-style-type: none"> <li>• Delta</li> </ul>
<b>NSBP</b>	Chuck P	1 1/2" 6 BSW RH/LH COMBINATION THREAD	<ul style="list-style-type: none"> <li>• Union Graduate</li> <li>• Wadkin Burgsreen</li> <li>• Tanner</li> </ul>
<b>NSBR</b>	Chuck R	Blank. Can be threaded up to 38mm (1 1/2") in diameter and 35mm in depth.	<i>Once threaded, this blank chuck cannot be re-threaded</i>
<b>NSBX</b>	Chuck X	1 1/2"8 TPI NF	<ul style="list-style-type: none"> <li>• Conover</li> </ul>

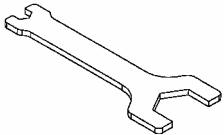
For more information on how to determine your lathe thread size, please see the [Self Help Sheet: How to determine your lathe thread size.](#)

### Hints from removing insert/adaptors from lathe

After some time, the direct metal on metal contact between the lathe spindle face and the insert/adaptor can mean the insert/adaptors are hard to remove easily with the hand.

To counter this direct friction effect, there are a number of ways to assist in removing the insert/adaptors:

1. Use a fibre washer (similar to those used on taps/washing machines etc) between the chuck insert and the face of the lathe spindle. This breaks the metal to metal contact.
2. Use a 1 1/2" AF Hex Spanner on the hexagonal boss of the insert/adaptor.
3. Purchase a Teknatool Accessory Spanner. This is a double-ended spanner, which can be used on one end to remove inserts, and the other end is sized to fit our Comet lathe and Ornamental Turner fittings.



This spanner is available from where ever the Teknatool Nova and SuperNova chucks are sold, or through our website.



### Glossary of Terms

UNC - Unified National Coarse Standard - USA Imperial

UNF - Unified National Fine Standard - USA Imperial

BSW - British Standard Whitworth

A Whitworth Spindle can fit a UNC threaded insert, but a UNC threaded Spindle cannot fit a Whitworth Threaded Insert.