



SuperNova and Nova Chuck: Fitting a thread to match your lathe

The Teknatool SuperNova and Nova Chucks have the widest range of insert/adaptors and threads 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. 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. Note that all insert/adaptors are fully compatible between the SuperNova and Nova Chucks, and that all thread sizes listed here are available for both chucks.



Picture of a SuperNova and Nova Chuck Insert.

Insert/Adaptor Listing

Code	Description	Thread Size	Lathe Match (<i>where known</i>)
I2NS	INSERT 2	M20x2 RH (Metric)	<ul style="list-style-type: none"> • Tyme Cub
I3NS	INSERT 3	M20x1.5 RH (Metric)	<ul style="list-style-type: none"> • Electra Beckum / Multico Sumaro
I5NS	INSERT 5	3/4"x16TPI 1/8" Spigot	<ul style="list-style-type: none"> • Carba Tec
I6NS	INSERT 6	3/4" Plain Bore	
I7NS	INSERT 7	1 1/8"UNC	
IANS	INSERT A	3/4"14TPI BSP RH	<ul style="list-style-type: none"> • Teknatool TL1000 (Pre 1986)
IBNS	INSERT B	3/4"14TPI BSP LH	<ul style="list-style-type: none"> • Teknatool TL1000 (Pre 1986)
ICNS	INSERT C	1" 10TPI BSF RH	<ul style="list-style-type: none"> • Teknatool TL1000 • Woodfast • Durden
IDNS	INSERT D	1" 8TPI UNC RH	<ul style="list-style-type: none"> • Delta • Rockwell • Golding • General • Teknatool Comet (North America)
IENS	INSERT E	1"12TPI RH	<ul style="list-style-type: none"> • Myford ML8
IFNS	INSERT F	5/8" Plain Bore RH	<ul style="list-style-type: none"> • Shopsmith
IGNS	INSERT G	3/4"16 TPI UNF RH	<ul style="list-style-type: none"> • Record / Sears
IHNS	INSERT H	3/4"10TPI BSW RH	<ul style="list-style-type: none"> • Rockwell / Homecraft
IINS	INSERT I	M24x3 RH (Metric)	<ul style="list-style-type: none"> • B Line • Arundel K600/K450
IJNS	INSERT J	1 1/8"12 TPI RH	<ul style="list-style-type: none"> • Myford Mystro
IKNS	INSERT K	M18x2.5 RH (Metric)	<ul style="list-style-type: none"> • Elu DB 180
IMNS	INSERT M	1"10TPI BSF LH	<ul style="list-style-type: none"> • Teknatool TL1000 • Woodfast / Durden
INNS	INSERT N	Blank. Can be threaded up to 28mm (1 1/8") to match your lathe size	
IONS	INSERT O	1 1/8" BSW RH	<ul style="list-style-type: none"> • Morton
IQNS	INSERT Q	M30x3.5 RH (Metric)	<ul style="list-style-type: none"> • Teknatool TL1500/3000/Comet (European & Southern Hemisphere) • Woodfast

ITNS	INSERT T	1"8 TPI Dual Threaded LH and RH	<ul style="list-style-type: none"> • Delta • Jet
IUNS	INSERT U	1 1/8" UNF RH	<ul style="list-style-type: none"> • Taiwanese
IVNS	INSERT V	7/8"14 TPI NF RH	
IYNS	INSERT Y	1 1/4" UNS 8 TPI RH	<ul style="list-style-type: none"> • Teknatool TL1500/3000/Comet (North America)
IWNS	INSERT W	M25x2 RH (Metric)	<ul style="list-style-type: none"> • Tyme Avon

Threaded Directly Into Chuck Body			
Code	Description	Thread Size	Lathe Match (where known)
NSB4	Chuck 4	M33x3.5 RH (Metric)	<ul style="list-style-type: none"> • Scheppach
NSB5	Chuck 5	3/4"16 TPI UNF 1/8" Spigot	<ul style="list-style-type: none"> • Carba Tec
NSBD	Chuck D	1"8 TPI UNC RH	<ul style="list-style-type: none"> • Delta
NSBP	Chuck P	1 1/2" 6 BSW RH/LH COMBINATION THREAD	<ul style="list-style-type: none"> • Union Graduate • Wadkin Burgsreen • Tanner
NSBR	Chuck R	Blank. Can be threaded up to 38mm (1 1/2") in diameter and 35mm in depth.	
NSBX	Chuck X	1 1/2"8 TPI NF	<ul style="list-style-type: none"> • Conover
NSBY	Chuck Y	1 1/4" UNS 8 TPI RH	<ul style="list-style-type: none"> • Teknatool TL1500/3000/Comet (North America)

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.