

# Standard Insert Router Bits

## Applications

- Designed for use on C.N.C. router machines.
- Can also be used on stationary overhead routers.
- Use with mechanical and hand feed operations.
- CNC router must have excellent hold downs to ensure the least possibility of part movement.
- Use for jointing, coping, parting, rabbeting, ramp plunge, vertical ramp plunging, boring, cutout routing etc.

## Technical Information

- Shank style cutter body design made from high tensile steel for long life and durability.
- Use a single flute for higher feed rates and faster material removal.

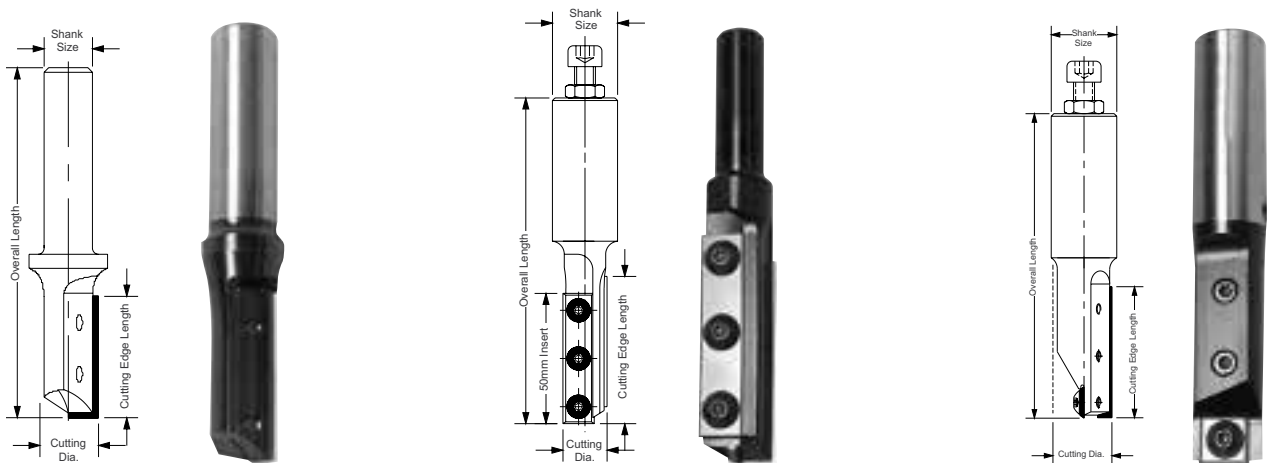
- Use a double flute for smoother finishes and high quality cuts.
- Indexable standard carbide inserts are easily removed with the use of the torx wrench provided.
- Requires no special set-up fixtures to set knives.
- Maximum RPM 24,000

## Advantages

- Extended tool life over brazed tooling due to insert accuracy and superior carbide grades.
- Excellent for high production runs.
- Reduced sharpening costs due to small cost of inserts over standard brazed router bits.

Part No.	Cutting Edge Diameter		Cutting Edge Length		Shank Size		Overall Length		No. of Flutes	No. of Inserts Required	Uses Insert No.
	in.	mm	in.	mm	In.	mm	in.	mm			
ND189	1/2"	30	1.18"	30	1/2"	80	3.15"	80	1	1	TJ235
ND192	3/4"	50.5	1.99"	50.5	3/4"	110	4.33"	110	1	2	TJ241/TJ156
ND193	3/4"	50.5	1.99"	50.5	1/2"	110	4.33"	110	1	2	TJ241/TJ156
ND195	3/4"	56	2.20"	56	1/2"	110	4.33"	110	2	2	TJ129

Standard inserts begin on page 321.



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## Spare Parts for ND189

Part No.	Description
NP215	Torx Screw M3x7.0 T8
NP176	Clamping Wedge 30mm RH

## Spare Parts for ND195

Part No.	Description
NP123	Torx Screw M4x5.9 T15
NP171	Torx Wrench T15

## Spare Parts for ND192 & ND193

Part No.	Description
NP123	Torx Screw M4x5.9 T15 (for plunge point)
NP258	Clamp Screw for Wedge M3.5x5.5 T15
NP171	Torx Wrench T15
NP224	Clamping Wedge for ND192 RH