

New

More efficient Processing & Easier installation

Patent Pending

Nova E'z Disc



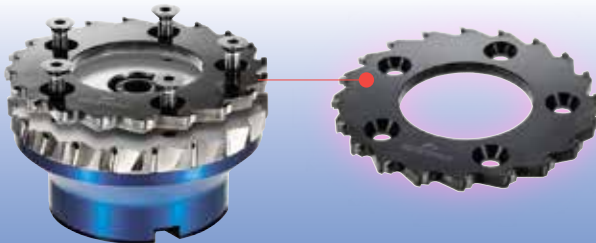
Features



More teeth offers higher efficiency
The light weight design for small machine arbors.

- ① **Better quality and more efficient for cutting aluminum**
More teeth and narrower pitch design provides more stability in high speed process. The tooth design reduces burrs, producing a smoother and flatter cutting surface.
- ② **Replaceable cutter head discs are more economical**
Cutter bodies are reusable and replaceable discs make tool management easier.
- ③ **No teeth height adjustments means LESS DOWN TIME**
Runout accuracy is kept due to not needing height adjustments.
- ④ **Light weight design means easier handling**
Small arbor machines easily tooled because of the light weight.

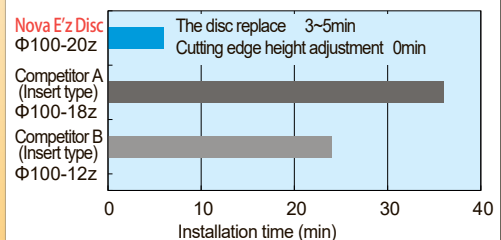
- Height adjustments are not necessary because of replaceable discs



- Body can be reused and only the disc can be replaced

Setup Time Comparison

- Reduce setup time to less than 1/10 compared to insert type



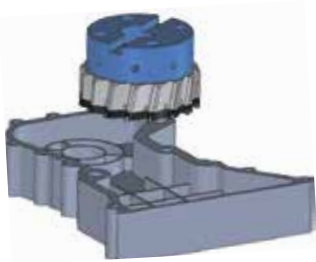

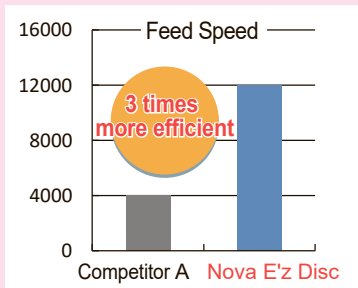
* For product improvement the appearance and specification of this product could be changed without announcement.

Dimensional example

Body model No.	Code (No.)	Cutter head disc model No.	Code (No.)	Number of teeth	DC (mm)	DCON (mm)	L (mm)
NEB50-S25	543-2092-765	NED50-12	543-0070-350	12	50	※25	110
NEB63-C22	543-2109-765	NED63-12	543-0103-350	12	63	22	50
NEB80-C25.4	543-2117-765	NED80-16	543-0062-350	16	80	25.4	50
NEB100-C25.4	543-2125-765	NED100-20	543-0137-350	20	100	25.4	50
NEB125-C25.4	543-2133-765	NED125-24	543-0187-350	24	125	25.4	45

※Shank diameter

Examples

Work parts	Timing chain cover	Cam cap
Cutter body	NEB80-C25.4	NEB80-C25.4
Cutter head disc	NED80-16	NED80-16
Work shape		
Cutting parameters	RPM	9947 (rpm)
	Peripheral speed	2500 (m/min)
	Feed speed	11936 (mm/min)
	Feed amount	fz = 0.075 (mm/t)
	Chip load	0.5 (mm)
Coolant	Internal refilling	External refilling
Machine	Vertical M/C BT30	Vertical M/C BT30
Result	<p>Improved : 3 times more efficiency 1.4 times longer cutting life</p> 	<p>Improved : 6.8 times longer cutting life</p> 