



A BRAND[®] AE-TL-N

Advanced Performance DLC Coated End Mills for Non-Ferrous Materials

Extremely Effective for Non-Ferrous Materials

PRIMARY TARGETS

- Customers who is milling non-ferrous material.
- Rough and finish milling up from 3D to 5D.

SOLUTIONS

- Stable, high efficiency milling with new flute design.
- Excellent surface finish due to welding prevention by DLC coating.

WHAT OUR CUSTOMERS SEE

- Higher MRR and longer tool life.

HOW DOES IT WORK?

Center Cutting

- R ramping and plunging process helps to shorten cycle time by improving the tool path .

New Flute Form

- Balanced flute design that has high rigidity and large chip pocket make more stable and higher productivity.

DLC coating

- High welding resistance and lubricity makes better surface finish of work piece in non-ferrous machining.



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A Brand AE-TL-N are OSG's advanced performance DLC coated carbide end mills for non-ferrous materials. With excellent cutting sharpness, they are able to suppress burrs to achieve excellent surface finish and are extremely effective for non-ferrous materials such as aluminum alloys that require welding resistance and lubricity.



Features & Benefits

- **Center Cutting Edge** Ideal for Plunging.
- **Large Core & New Flute Form** for high rigidity and excellent chip evacuation.
- **Unique Cutting Edge** achieves both rigidity and sharpness.
- **DLC Super Hard Coating** for superior surface accuracy.

List Numbers

8630 - A Brand® AE-TL-N (Inch)
8730 - A Brand® AE-TL-N (Metric)

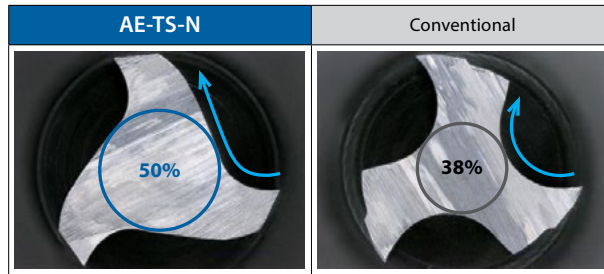
Size Range

1/8"-1"
3mm-12mm

Large Core & New Flute Form

High Rigidity and Excellent Chip Evacuation

Rigidity is enhanced by increasing the core thickness, which enables the suppression of chattering. By adopting an optimal flute form, high rigidity can be maintained while ensuring trouble-free chip evacuation.



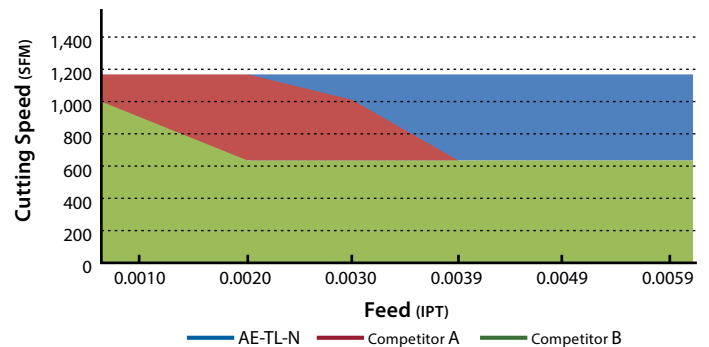
Arrow: indicates chip discharge direction

High Efficiency Milling

High Efficiency Even in Slotting with 3D Length of Cut

Tool	AE-TL-N
Size	6mm x 18mm
Work Material	A7075
Machining Method	Slotting
Depth of Cut	6mm
Coolant	Water Soluble

Applicable Cutting Conditions



For more information use your phone to scan the QR code to the right and visit: osgtool.com/a-brand-ae-n

