

Novametal Pro DIA

KANEFUSA



Novametal Pro DIA is suitable to cut Aluminum alloys with a silicon content of over 10 %.

Novametal Pro DIA is tipped with polycrystalline diamond (PCD).

Polycrystalline diamond provides extensively longer life than tungsten carbide when cutting Aluminum alloys.

In the past, a certain size of the polycrystalline diamond tooth was required to assure that the tooth was firmly attached to the saw plate.

Because polycrystalline diamond is much more expensive than other cutting edge materials, the saw blade price strongly depended on the tooth size.

We at Kanefusa have developed a technology that allows us to fuse a very small PCD tooth to a tungsten carbide substrate, which is brazed to the saw plate. In this way we can optimize the use of the polycrystalline diamond and make the single use of PCD tipped saw blades possible.



For many reasons, saw blades for single use are superior to saw blades that can be re-sharpened.

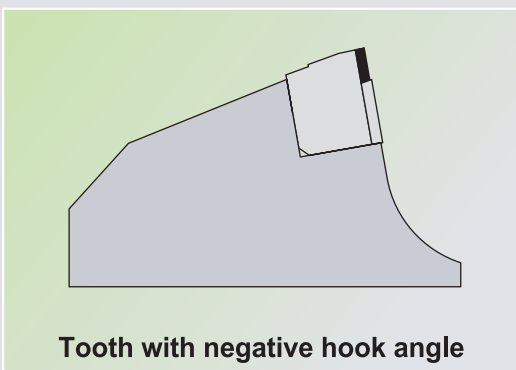
Saw blades that can be reground are instable in performance, especially after they have been reground a few times. Saw blades for single use provide the same cut quality cut after cut, blade after blade.

Saw blades for single use can be run until they suffer substantial damage. Saw blades that can be re-sharpened should be taken off the machine earlier to avoid such damage. For that reason, Novametal Pro DIA outlasts conventional PCD saw blades.

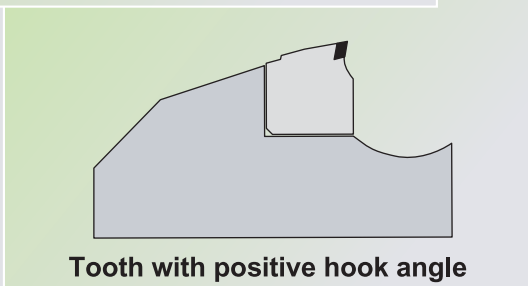
For various applications, saw blades with positive or negative hook angle are available

The Value for the user is:

- Extensively longer life time than tungsten carbide tipped saw blades
- Outperforms regular PCD saw blades
- More machine uptime
- High process reliability due to single use concept
- Maintenance free



Tooth with negative hook angle



Tooth with positive hook angle