New shaving cutter to improve overall tooth profiles.

Features

- In order to avoid the unevenness of the tooth profile, variable land serration is adapted to reduce the fluctuation of the cutting force.

Instruction for Use

There is no problem applying for the conventional process of plunge and under-pass shaving methods with the same cutting conditions.
Gear Cutters

Variable Land Shaving Cutter

Example 1

Incline of contact line on gear surface

Normal serration

Variable land serration

It is possible to recognize the effect of contact length fluctuation along the tooth profile wave of the gear surface with the previous serration shaving cutter. However, the waves are dissolved when using the new variable land shaving cutter.

Example 2

Normal serration

Variable land serration

Just as the case above, the previous serration shaving cutter leaves a large wave on the upper and lower tooth profiles. However, all tooth profiles of upper, middle and lower sections leave an even line when using the variable land shaving cutter.

For Your Safety

- Don’t handle inserts and chips without gloves.
- Please use safety covers and wear safety glasses.
- When using compounded cutting oils, please take fire precautions.
- When using rotating tools, please make a trial run to check run-out, vibration and abnormal sounds etc. Ensure that the insert is correctly set in its location pocket. Before use, ensure that the tool setup and various settings (machining programme, etc) on the machine are suited to the tool specifications.