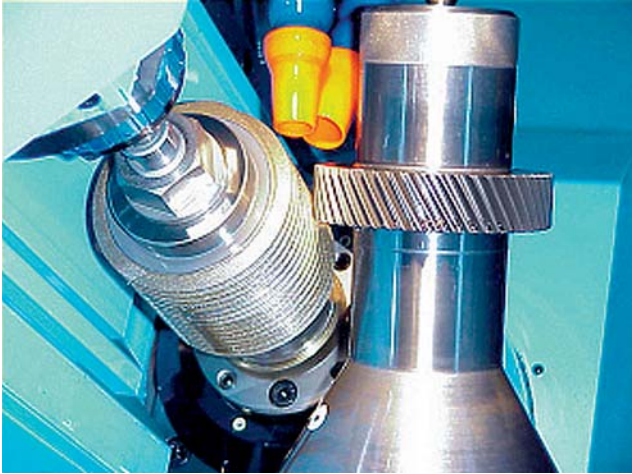


Gear Cutters

TRG-TOOL



CBN plated grinding worm for high speed and high efficiency gear grinding process.

Features

- Rough** High pitch error correctional ability, suitable for pre-gear honing (improved to JIS 3-4 class). Semi finishing possible (tooth profile accuracy JIS 5-7 class).
- Rapid** Higher production rate can be achieved due to grinding and elimination of dressing on the machine.
- Reliable** High cutting edge positional accuracy can be achieved due to the design of the gear, mounting attachment and the CBN coating.

Machining Example 1

Workpiece

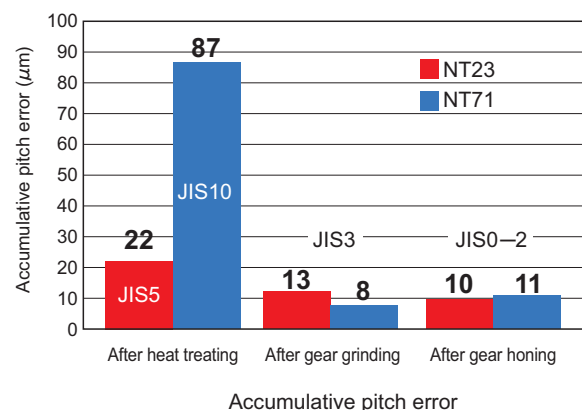
Module	2.2
Number of teeth	23/71
Pressure angle	20°

Tool Dimension

Diameter	120 mm
Grain size	cBN#170
Number of thread	2/4

Grinding Condition

Tool revolution	6.000 min ⁻¹
Feed rate	0.5-1.0 mm/rev
Cycle time	60/90 sec



Machining Example 2

Workpiece

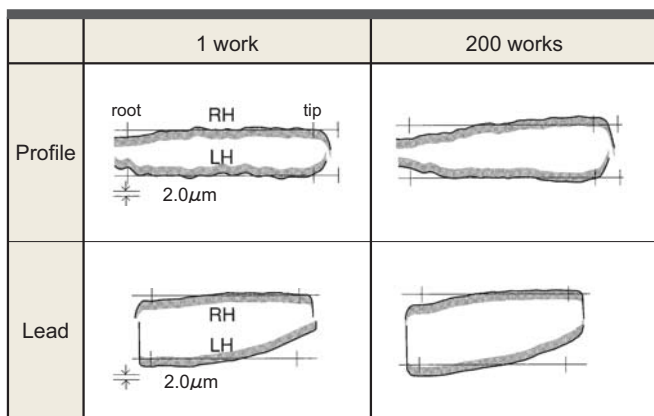
Module	2.3
Number of teeth	43
Pressure angle	17.5°

Tool Dimension

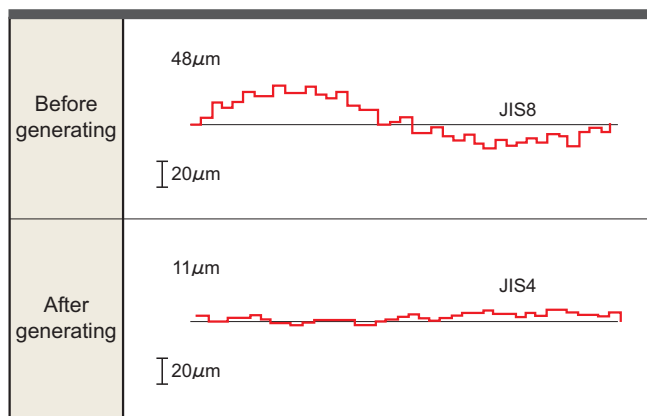
Diameter	120 mm
Grain size	cBN#170
Number of thread	2

Grinding Condition

Tool revolution	4.000 min ⁻¹
Feed rate	0.5-1.0 mm/rev
Cycle time	60 sec



Profile and lead error



Accumulative pitch error

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.

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(Tools specifications subject to change without notice.)