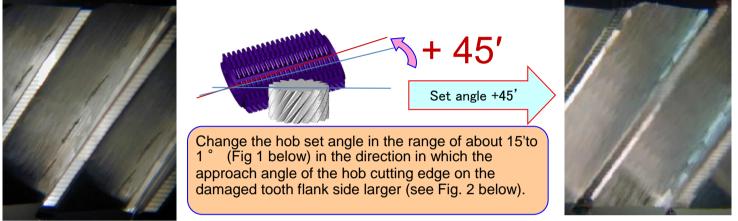


Cutting Tool News

Dry hobbing / countermeasure for scratch

CASE 1 / Caused by chips immediately after generation

Scratches occur at the same position on all tooth surfaces.

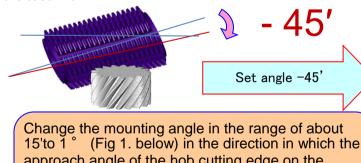


SCRATCH LEFT FLANK

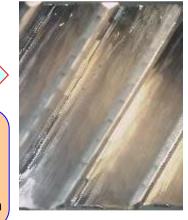
CASE 2 / Caused by the chips that have already been cut off and came into the cutting point again.

There are scratched and non-scratched teeth. The chip may get welded on the tooth flank.





approach angle of the hob cutting edge on the damaged tooth flank side becomes smaller. Also, keep the direction of the air nozzle as close to the cutting point as possible to keep chips away from



SCRATCH LEFT FLANK



Fig 1. By set angle adjustment, Part tooth thickness decreases.

Angle	Amount
15'	-2µm
30'	-8µm
45'	-18µm
1°	-32µm
(m2,α20°,HOB ODφ80)	

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