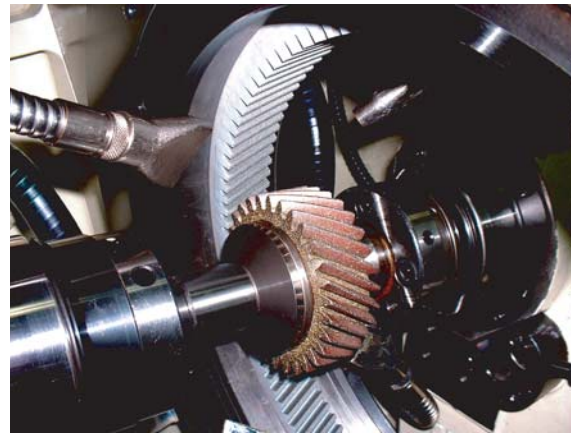


Gear Cutters

Direct 80 Dressing Gear



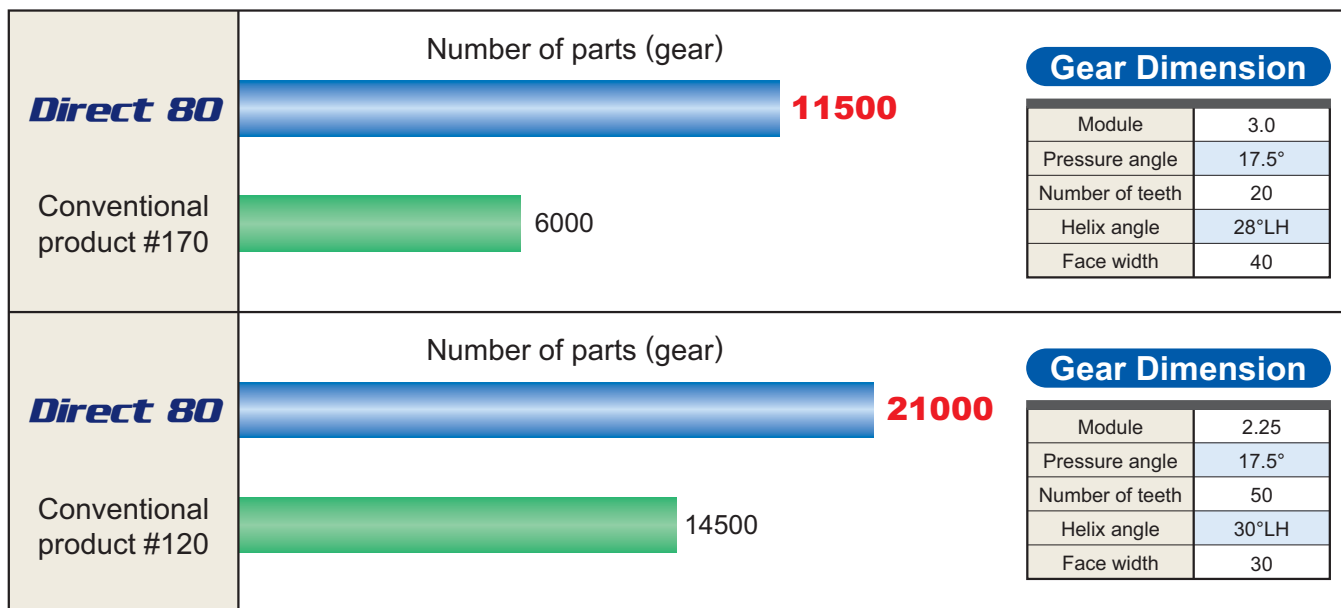
Features

- The direct 80 dressing gear offers higher grain intensity and retention. In comparison with #170 gears grain size is doubled and the area is nearly 4 times as much. In comparison with #120 and #170 tool life increase of 1.5 to 2 times can be achieved.
- Mitsubishi Materials unique electroplating technology and truing method enable higher accuracy tool profiles.

Diamond grain	#80	#120	#170
Grain size (comparison)	2	1.5	1
Ratio of surface area of grain	4	2	1
Grain retentivity	High	Middle	Low
Average diameter of grain	<p>181μm</p>	<p>126μm</p> <p>Diamond grain Plated layer</p>	<p>91μm</p>

Direct 80 Dressing Gear

Machining Example



* Number of work pieces will vary according to the gear dimension and tooth profile.

Guaranty for Accuracy

- The tooth profile accuracy is guaranteed.
- The workpiece accuracy can also be guaranteed (please provide the grinding wheel and workpiece.)

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.)