

Gear Cutters

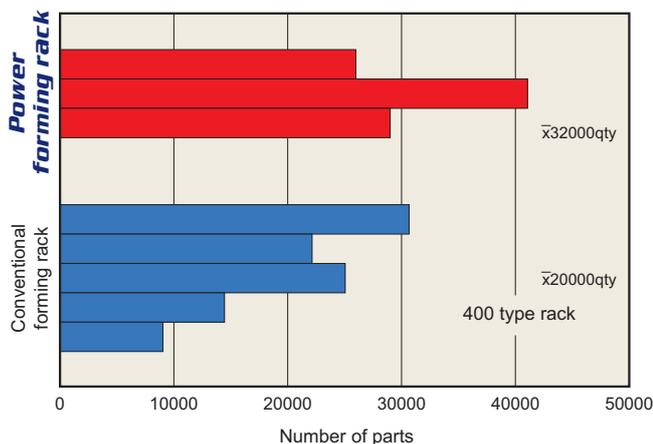
Power Forming Rack



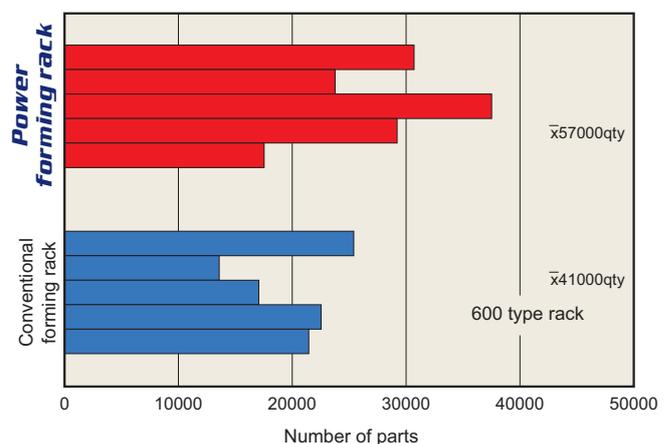
Features

- Fracture of the rack has been greatly reduced by applying fine-particleshot peening.
- The rolling method of spline shafts with forming rack is widely used in high efficiency machining in mass production applications. However, there are cases when rack tooth breakage may occur with small pressure angle racks. Therefore the tool life may not necessarily be satisfactory.
- The latter half of the teeth have all been peened therefore offering higher fracture resistance.

Example of tool life comparison



Example of tool life improvement 1
m0.5 PA20°NT23 S55C (HB247)



Example of tool life improvement 2
DP24/48 PA30°NT26 S48C (HB255)

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.)