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Sumitomo Electric Industries, Ltd

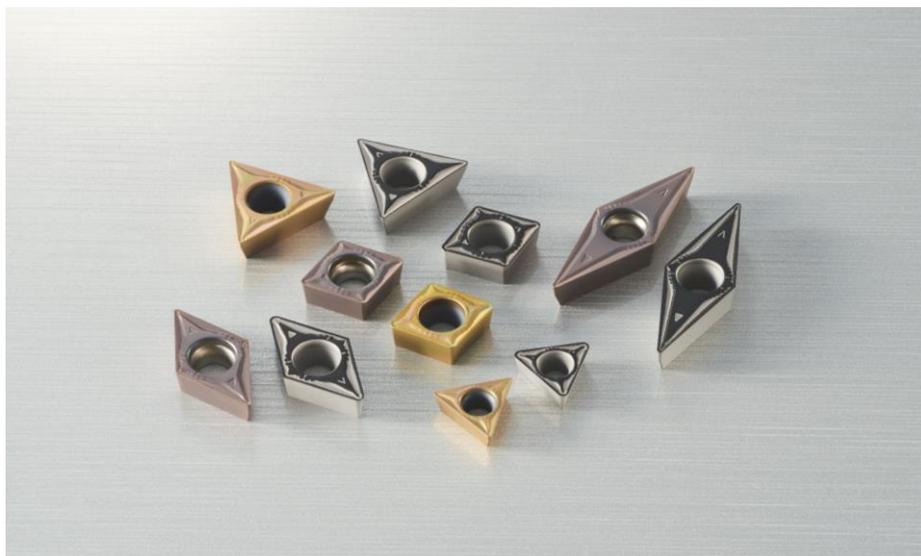
*This press release was originally published in Japanese on September 13, 2019.

Sumitomo Electric Launches General-Purpose Positive M-Class Chipbreaker "GU Type Breaker"

Sumitomo Electric Industries, Ltd. has developed and launched the general-purpose positive M-class chipbreaker "GU type breaker."

In the turning of machinery components for the automotive industry and elsewhere, there is a growing demand for versatility and long tool life of cutting tools in order to achieve stability of production and reduced costs.

In response to this rising demand, Sumitomo Electric has developed a general-purpose positive M-class "GU type chipbreaker" that achieves stable chip control and long tool life without sudden accidents occurring during the cutting process. This product can be used in a broad range of applications from light to medium turning.



News Release



1. Features

(1) Excellent chip control in wide range of cutting conditions

The chipbreaker* design characterized by a wide chip pocket has improved chip control over a wide range of cutting conditions. This prevents chip jamming during the cutting process and achieves stable machining. In addition to alloy steel, it is also applicable to various work materials, including carbon steel and stainless steel.

(2) Low cutting resistance suppresses chatter

The chipbreaker* design controls expelled chips and serves to reduce cutting resistance and control chatter. This serves to reduce the machining load and achieve stable machining in various applications and conditions.

(3) Improved fracture resistance

The double rake shape with excellent sharpness and hardness has improved the fracture resistance. This serves to reduce the frequency of tool change and achieve reduced machining costs.

2. Lineup

ISO Turning Insert: Cat. No. 207

3. Sales Plan

120 million JPY/year in the first year, 400 million JPY/year after 3 years

4. Price

Priced the same as the Company's conventional tools

(Standard product) DCMT11T308N-GU (AC8025P) 1,130 JPY (excluding tax)

*Chipbreaker

Grooves or barriers at the cutting tip, developed for evacuation of chips generated during machining.

(For inquiries)

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