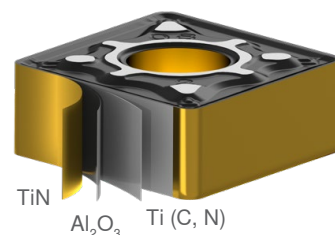


Steel machining made easy



New ISO-P grades with indicator layer for high-performance turning processes



Thanks to a CVD multilayer coating with the latest Dragonskin coating technology, the indexable inserts are ideally suited to versatile steel machining. In combination with a balanced carbide base substrate, the new grades in the ISO-P category have a wide application area with improved wear resistance.

NEW

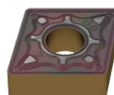


CTCP115-P

- ▲ ISO-P15
- ▲ Wear-resistant grade with high degree of elevated-temperature resistance for steel machining with optimum tool life
- ▲ High cutting speeds
- ▲ Maximum productivity
- ▲ For a smooth cut

DRAGONSKIN

NEW

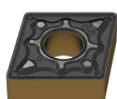


CTCP135-P

- ▲ ISO-P35
- ▲ Tough carbide grade for interrupted cuts
- ▲ Guaranteed process security
- ▲ For low cutting speeds and unstable conditions

DRAGONSKIN

NEW



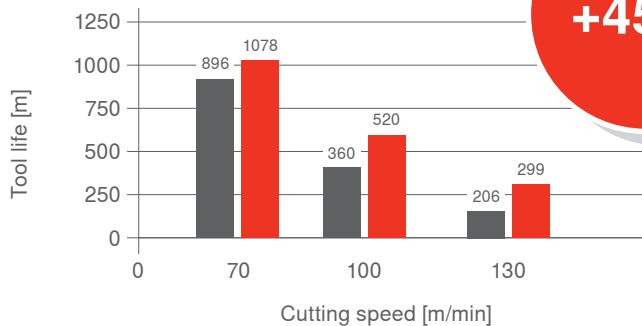
CTCP125-P

- ▲ ISO-P25
- ▲ Universal carbide grade for steel machining
- ▲ Excellent balance between toughness and elevated-temperature resistance
- ▲ High level of reliability for machining general steel
- ▲ Excellent for fluctuating cutting conditions, from finishing to roughing

DRAGONSKIN

Test Report

Insert: CNMG 120408EN-M50
Material: 1.2343 – X37CrMoV 5-1 44 HRC
Cutting data:
 v_c 70-130 m/min
 f 0.35 mm/rev
 a_p 2 mm



Performance increase of the new grades:

Cutting speed v_c	Increase in %
70 m/min	20
100 m/min	44
130 m/min	45

CTCP115 CTCP115-P **NEW**

Result: Depending on the cutting speed, an increase in performance of up to **45%** can be achieved with the new CTCP115-P grade.



<https://cutting.tools/iso-p-grade>



CTCP115 → 10 cuts



CTCP115-P → 1 cut

Wear detection means that the wear on the multi-edged indexable insert is easier to see and can be identified with a quick glance. This allows the machine operator to easily identify any issues.

