

# MultiCon®

## for wet and dry machining of steel and cast iron

MultiCon® is the consistent and logical further development of conventional AlCrN coatings using HiPIMS technology. Excellent adhesion paired with a very smooth surface and optimised wear behaviour are the outstanding properties of MultiCon®. Suitable for use in both wet and dry machining, MultiCon® promises reproducible tool life at the highest level.

## Application example

### Milling of heat-treated steel

Material: **Heat-treated steel**  
**1,400N/mm<sup>2</sup>**

Tool: **Solid carbide mill,**  
**Ø 8 mm**

$v_c = 150 \text{ m/min}$

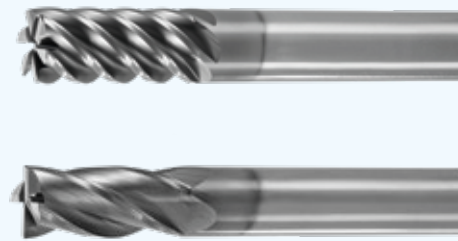
$n = 6,460 \text{ min}^{-1}$

$f_z = 0.085 \text{ mm}$

$a_p = 0.028 \text{ mm}$

$a_e = 0.5 \text{ mm}$

Cooling: **Emulsion**



## Technical data

Coating technology:

**HiPIMS**

Composition of the coating material:

**AlCrN-based**

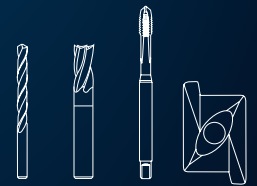
Color:

**Dark grey**

Max. operating temperature:

**1,100°C**

## Available coating thicknesses



≈ 3 µm

✓ ✓ ✓ —

## Talk to an expert

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