

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/mm²

Tool: **Solid carbide mill,**
Ø 8 mm

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

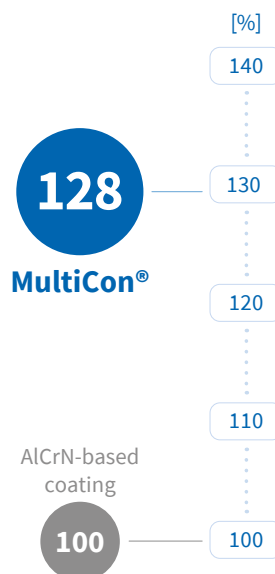
$n = 6,460 \text{ min}^{-1}$

$f_z = 0.085 \text{ mm}$

$a_p = 0.028 \text{ mm}$

$a_e = 0.5 \text{ mm}$

Cooling: **Emulsion**



Technical data

Coating technology:

HiPIMS

Composition of the coating material:

AlCrN-based

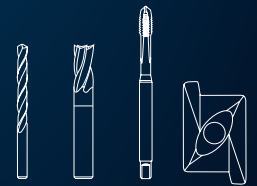
Color:

Dark grey

Max. operating temperature:

1,100°C

Available coating thicknesses



≈ 3 µm



Talk to an expert

+1 607 562 2363

ryan.lake@cemecon.com