



InoxaCon®

for Machining Stainless Steel, Titanium and Medium-hard Steels

Developed for machining of hardened and high alloyed steel as well as titanium. Its very high thermal stability makes the silicon-doped material InoxaCon® the first choice for your high-end tools.

Application example

Heat resistant and reduced rewelding

Material: **1.4301**

Tool: **solid carbide mill, Ø 8 mm**

$v_c = 80 \text{ m/min}$

$f_z = 0.035 \text{ mm/tooth}$

$a_e = 5 \text{ mm}$

$a_p = 3 \text{ mm}$

$z = 4$



Technical data

Coating technology:

HiPIMS

Composition of the coating material:

TiAlSiN-based or at 6 µm

TiAlN/TiSiN-based

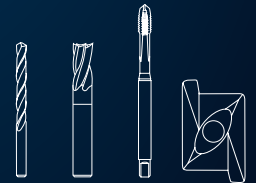
Color:

Red-Gold

Max. operating temperature:

1,100°C

Available coating thicknesses



Coating Thickness	Drill Bit	Solid Carbide Mill	Turning Tool	Cutting Insert
≈ 1,5 µm (Thin)	✓	✓	—	—
≈ 3 µm	✓	✓	✓	✓
≈ 6 µm (Plus)	—	—	—	✓

Talk to an expert

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