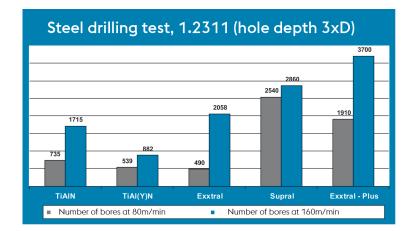
eifeler

EXXTRAL®-PLUS

AITiN multilayer coating

APPLICATIONS

Cutting	Because of its multilayer structure, EXXTRAL®-plus is especially recom- mended for greater coating thickness- es, e.g. for drilling. Resistance towards corrosion is also improved thanks to the greater proportion of chromium.
Punching and forming	However, EXXTRAL®-plus has also proven itself in other fields: cold and semi-hot forming of steel materials, cutting of thicker sheet steel and the working of aluminium sheet material.



Internal cooling

Lubricant pressure

(yes/no)

Machine

n (min-1)

vf (m/min)

(bar)

Yes

40

DMC 65V

3,744 / 7,489

524 / 1048

PRODUCT FEATURES

- » Especially smooth and dense
- » High resistance towards oxidation (800°C)
- » High hot hardness
- » Enhanced toughness
- » Chemical resistance
- » Low thermal conductivity coefficient
- » Higher cutting speeds
- » Longer service life
- » Improved surface quality
- » Dry machining
- » No cooling lubricant required

COATING PROPERTIES

Hardness	3,300 ± 300 HV
Max. application temperature	800 °C / 1,470 °F
Coefficient of friction against steel	0.7
Coating thicknesses	2 - 5 µm
Colour	anthracite

MATERIAL

tolerance

USAGE/TOOL DATA

Vc (m/min)

f (mm)

D (mm)

Concentricity

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Material	1.2311		
Size (LxDxH)	405x200x50		
Target Rm	1,000 N/mm ²		
Actual Rm	980 N/mm ²		
Pre-machining	milled		
Cooling emulsion	Avilub approx. 10%		
- · · ·			

80/160

0.140

20.4

6.8

under

0.01



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