

CCDia®  
**AeroSpeed®**

**Technical data**

Coating technology:

**CVD Diamond**

Microhardness:

**10,000 HV<sub>0,05</sub>**

Coating material:

**Multilayer, sp<sup>3</sup>**

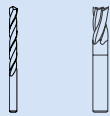
Color:

**Grey-Shiny**

Max. operating temperature:

**650 °C**

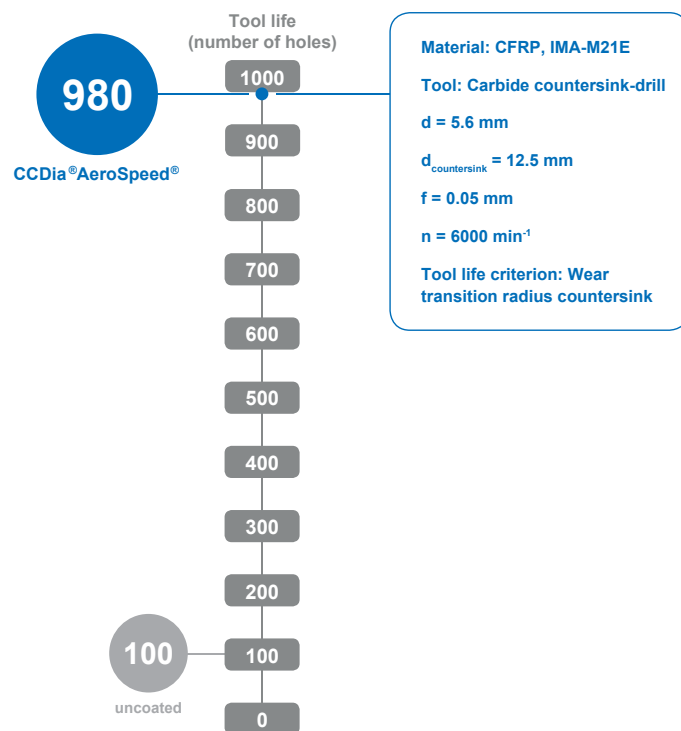
Available coating thicknesses:



≈ 3 μm	•	—
≈ 9 μm	•	•
≈ 14 μm	•	•

## for CFRP/GFRP/composites

**Perfect surface quality throughout the entire tool life**



The CCDia®AeroSpeed® premium diamond coating was developed in order to obtain the best possible surface quality when machining fiber materials. The excellent adhesion coupled with the unique smoothness guarantee highly reliably drilling and milling of CFRP, GFRP and composites. In addition, the very sharp edges – CCDia®AeroSpeed® does not change the microgeometry of your precision tools – are able to cut the fibers more effectively. CCDia®AeroSpeed® is also ideally suited to carbide grades with higher cobalt content. The increased ductility of these carbide grades in connection with a diamond coating allow a reliable drilling process in aircraft manufacturing.



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