



CCDia®CarbonSpeed®

for Graphite and Green Materials

Ultra-hard against abrasion wear: CCDia®CarbonSpeed® is the coating solution when economical machining of graphite and green materials is required. Coatable on more than 100 carbides, its unique fine crystalline and smooth multilayer structure provides process reliability and best the workpiece surfaces.

Application example

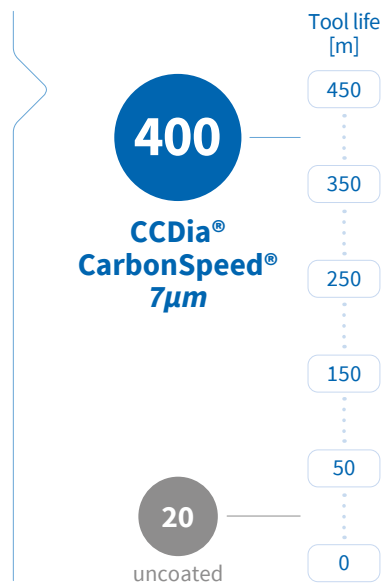
Cost-effectiveness combined with a highly reliable process

Material: **EDM graphite ISO-63**

Tool: **end mill**

$v_c = 600 \text{ m/min}$

$f_z = 0.06 \text{ mm/tooth}$



Technical data

Coating technology:

Diamond

Microhardness:

10,000 HV_{0.05}

Composition of the coating material:

Multilayer, sp³

Color:

Grey

Max. operating temperature:

650°C

Available coating thicknesses

			
≈ 7 µm	✓	✓	✓
≈ 9 µm (Plus)	✓	✓	—
≈ 12 µm (Extra)	✓	✓	—

Appropriate hard metals

Talk to our experts to help you evaluate the appropriate hard metal to be coated with your CVD Diamond coating.

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