



CONTROX-NEUHAUSER
Precision Cutting Tools



Tools for the Machining of Carbon Fiber / Fiber Glass





FIBER CUT

Tool for CFRP/GFRP Applications

Introduction

The FIBER CUT is specially designed for the machining of uni- and multi-directional layers as well as woven fabrics made out of CFRP (carbon-fiber-reinforced plastic) or GFRP (glass-fiber-reinforced plastic).

It is the perfect solution for various milling operations in highly abrasive carbon- and glass fiber materials. The FIBER CUT is available with and without center cutting end teeth. End cutting must be selected when plunging operations are required. The sophisticated tool geometry enables a clean cut and avoids fraying issues and delamination. The best surface finish usually gets accomplished by machining in a conventional milling direction. Due to the aggressive cutting edge geometry the FIBER CUT is able to work under very high feed rates.

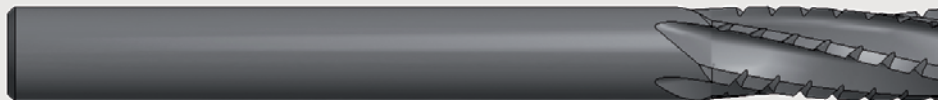
The FIBER CUT tools are made out of high-quality Solid Carbide (SC) and are available in many different dimensions as well as with or without end teeth. Special dimensions available per customers request.

Components and Applications

Fiber Cut with center cutting end teeth



Fiber Cut without center cutting end teeth



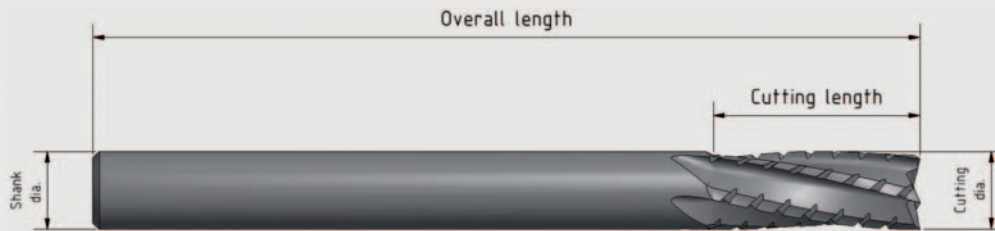
The aggressive geometry of the FIBER CUT generates a minimal amount of cutting forces. Thereby the condition of the special ground surface reduces adhesion and leads to an increased tool life. The combination of all of these features in the FIBER CUT tool enables high feed rates and significant boost in productivity.



FIBER CUT

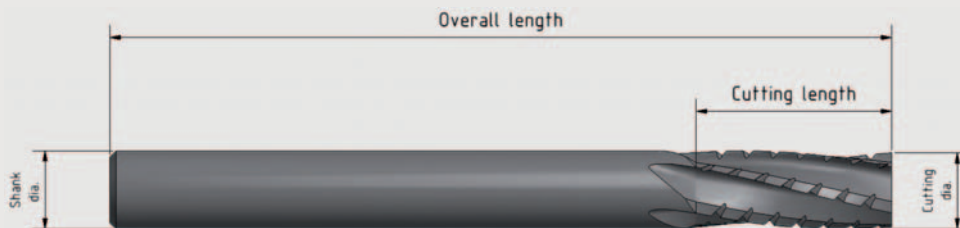
Fiber Cut		Cutting dia.		Cutting length	Overall length	Shank dia.		Mat.	EDP # / Item #
Fiber Cut with end teeth	mm	6.35	-0.1	15.875	63.5	6.35	h6	SC	170311
	inch	1/4	-0.004	5/8	2-1/2	1/4	-0.0005		7375-006-015-00-01
Fiber Cut with end teeth	mm	6.35	-0.1	31.75	63.5	6.35	h6	SC	170313
	inch	1/4	-0.004	1-1/4	2-1/2	1/4	-0.0005		7375-006-031-00-01
Fiber Cut with end teeth	mm	6	-0.1	20	58	6	h6	SC	170315
	inch	0.236	-0.004	0.787	2.283	0.236	-0.0005		7375-006-020-00-01
Fiber Cut with end teeth	mm	9.525	-0.1	31.75	76.2	9.525	h6	SC	170319
	inch	3/8	-0.004	1-1/4	3	3/8	-0.0005		7375-009-031-00-01
Fiber Cut with end teeth	mm	10	-0.1	30	72	10	h6	SC	170317
	inch	0.394	-0.004	1.181	2.874	0.394	-0.0005		7375-010-030-00-01
Fiber Cut with end teeth	mm	12	-0.1	30	84	12	h6	SC	170320
	inch	0.472	-0.004	1.181	3.307	0.472	-0.0005		7375-012-030-00-01
Fiber Cut with end teeth	mm	12.7	-0.1	31.75	76.2	12.7	h6	SC	170318
	inch	1/2	-0.004	1-1/4	3	1/2	-0.0005		7375-012-031-00-01

SC=Solid Carbide



Fiber Cut		Cutting dia.		Cutting length	Overall length	Shank dia.		Mat.	EDP # / Item #
Fiber Cut without end teeth	mm	6.35	-0.1	15.875	63.5	6.35	h6	SC	170312
	inch	1/4	-0.004	5/8	2-1/2	1/4	-0.0005		7375-006-015-00-02
Fiber Cut without end teeth	mm	6.35	-0.1	31.75	63.5	6.35	h6	SC	170314
	inch	1/4	-0.004	1-1/4	2-1/2	1/4	-0.0005		7375-006-031-00-02
Fiber Cut without end teeth	mm	6	-0.1	20	58	6	h6	SC	170316
	inch	0.236	-0.004	0.787	2.283	0.236	-0.0005		7375-006-020-00-02

SC=Solid Carbide



Available with coatings if applicable.



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