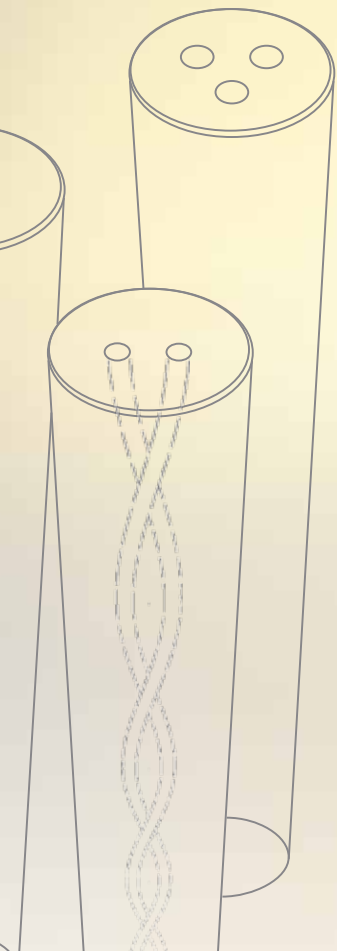
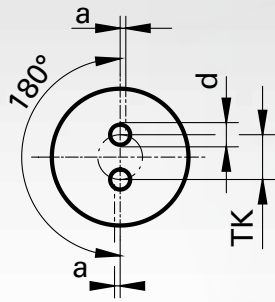




**CARBIDE RODS WITH  
COOLANT DUCTS FOR  
SMALLEST DIAMETERS**

FOR THE MANUFACTURE OF MINUTE SPIRAL  
DRILLS WITH COOLANT DUCTS





### STANDARD DIMENSIONS (GROUND)

D (mm)	TK (mm)	d (mm)	Pitch (mm)
3.0	0.30	0.13	7.250
4.0	0.45	0.13	7.250

For tool diameters 1.0 ; 1.25 ; 1.50 ; 1.75 ; 2.00 mm

### CARBIDE GRADE DK 460 UF

Content [M-%] WC	Co	Hardness [HV]	Density [g/cm <sup>3</sup> ]	Grain size [μm]	ISO Classification [ISO 513]
90	10	1620	14.45	0.5-0.6	K30/K40

Sub-micron grained grade combining high hardness and toughness for universal applications in drills, mills, countersinks, center drills, taps, fluteless taps, thread cutting inserts etc. to machine cast iron, chilled cast iron, hardened steel, hard Al-alloys, Ti-alloys and GFK.



We will be happy to manufacture your individual minute spiral coolant duct rod (ground or un-ground), minimum order quantity 50. Please contact us!



Guehring KG  
Geschäftsbereich Hartmetall/Division Carbides  
[www.guehring-carbide.de](http://www.guehring-carbide.de)

# GUHRING

#### BÜRO/OFFICE ALBSTADT

P.O. box 100247 · D-72423 Albstadt  
Hahnstr. 53 · D-72461 Albstadt  
Tel.: +49 7431 17-25 300  
Fax: +49 7431 17-25 189  
[hartmetall@guehring.de](mailto:hartmetall@guehring.de)

#### BÜRO/OFFICE BERLIN

Lübarser Straße 10-38  
D-13435 Berlin  
Tel. +49 30 408 03-31 117  
Fax +49 30 408 03-31 118  
[hartmetall@guehring.de](mailto:hartmetall@guehring.de)