

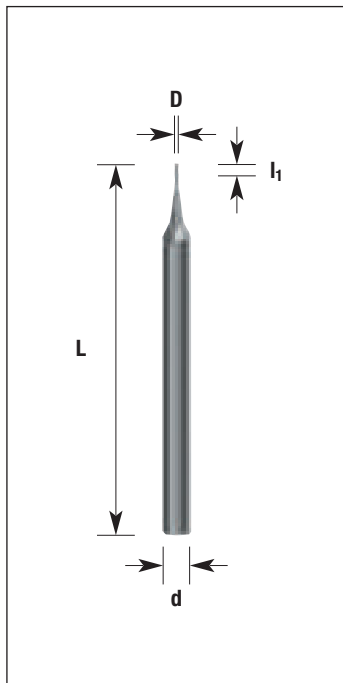
# end mills - miniature

Schafffräser - miniatur

fraise en bout - miniature

fresas frontales - miniatura

novità mini frese



**112**

**Z=2**



D mm	d mm	L mm	l <sub>1</sub> mm	Part Nr	D mm	d mm	L mm	l <sub>1</sub> mm	Part Nr
0.4	3	38	1.2	11201570	* 1	3	38	3	11203940TE
0.5	3	38	1.5	11201960	1.1	3	38	3.3	11204330
0.6	3	38	1.8	11202360	1.2	3	38	3.6	11204720
0.7	3	38	2.1	11202750	1.3	3	38	3.9	11205110
0.8	3	38	2.4	11203150	1.4	3	38	4.2	11205510
0.9	3	38	2.7	11203540	1.5	3	38	5	11205910T
1	3	38	3	11203940T	* DFZ (TiAlN PVD) coated				

**113**

**Z=3**

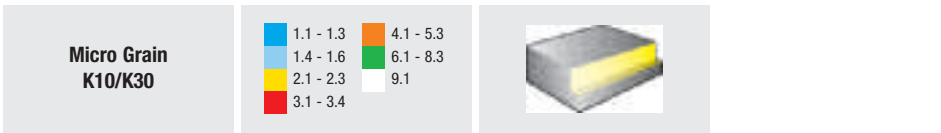


D mm	d mm	L mm	l <sub>1</sub> mm	Part Nr
1	3	38	3	11303940
* 1	3	38	3	11303940TE
1.5	3	38	5	11305910T

\* DFZ (TiAlN PVD) coated

**114**

**Z=4**



D mm	d mm	L mm	l <sub>1</sub> mm	Part Nr
1	3	38	3	11403940T
* 1	3	38	3	11403940TE
1.1	3	38	3.3	11404330
1.2	3	38	3.6	11404720
1.3	3	38	3.9	11405110
1.4	3	38	4.2	11405510
1.5	3	38	5	11405910T


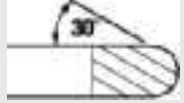


\* DFZ (TiAlN PVD) coated

# end mills - miniature

Schafffräser - miniatur  
fraise en bout - miniatur  
fresas frontales - miniatura  
novità mini frese

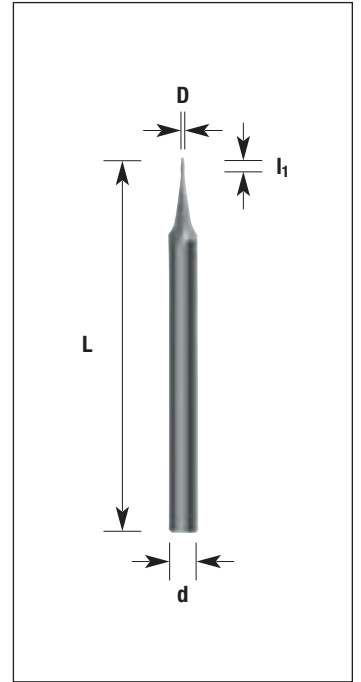
**122**

**Z=2**

		<b>tol: D</b> 0.4 - 0.9mm +0.000/-0.0254mm 1.0 - 1.5mm +0.000/-0.0508mm	<b>tol: d</b>  <b>h6</b>								
<b>Micro Grain K10/K30</b>	<table border="0"> <tr> <td>1.1 - 1.3</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.4 - 1.6</td> <td>6.1 - 8.3</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> <tr> <td>3.1 - 3.4</td> <td></td> </tr> </table>	1.1 - 1.3	4.1 - 5.3	1.4 - 1.6	6.1 - 8.3	2.1 - 2.3	9.1	3.1 - 3.4			
1.1 - 1.3	4.1 - 5.3										
1.4 - 1.6	6.1 - 8.3										
2.1 - 2.3	9.1										
3.1 - 3.4											





D mm	d mm	L mm	l <sub>1</sub> mm	Z	Part Nr
0.4	3	38	1.2	2	12201570
0.5	3	38	1.5	2	12201960
0.6	3	38	1.8	2	12202360
0.7	3	38	2.1	2	12202750
0.8	3	38	2.4	2	12203150
0.9	3	38	2.7	2	12203540
1	3	38	3	2	12203940
* 1	3	38	3	2	12203940E
1.1	3	38	3.3	2	12204330
1.2	3	38	3.6	2	12204720
1.3	3	38	3.9	2	12205110
1.4	3	38	4.2	2	12205510
1.5	3	38	5	2	12205910

\* DFZ (TiAlN PVD) coated



**123**

**Z=3**


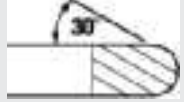


		<b>tol: D</b> 0.4 - 0.9mm +0.000/-0.0254mm 1.0 - 1.5mm +0.000/-0.0508mm	<b>tol: d</b>  <b>h6</b>								
<b>Micro Grain K10/K30</b>	<table border="0"> <tr> <td>1.1 - 1.3</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.4 - 1.6</td> <td>6.1 - 8.3</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> <tr> <td>3.1 - 3.4</td> <td></td> </tr> </table>	1.1 - 1.3	4.1 - 5.3	1.4 - 1.6	6.1 - 8.3	2.1 - 2.3	9.1	3.1 - 3.4			
1.1 - 1.3	4.1 - 5.3										
1.4 - 1.6	6.1 - 8.3										
2.1 - 2.3	9.1										
3.1 - 3.4											

D mm	d mm	L mm	l <sub>1</sub> mm	Z	Part Nr
* 1	3	38	3	3	12303940T

\* DFZ (TiAlN PVD) coated

**124**

**Z=4**

		<b>tol: D</b> 0.4 - 0.9mm +0.000/-0.0254mm 1.0 - 1.5mm +0.000/-0.0508mm	<b>tol: d</b>  <b>h6</b>								
<b>Micro Grain K10/K30</b>	<table border="0"> <tr> <td>1.1 - 1.3</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.4 - 1.6</td> <td>6.1 - 8.3</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> <tr> <td>3.1 - 3.4</td> <td></td> </tr> </table>	1.1 - 1.3	4.1 - 5.3	1.4 - 1.6	6.1 - 8.3	2.1 - 2.3	9.1	3.1 - 3.4			
1.1 - 1.3	4.1 - 5.3										
1.4 - 1.6	6.1 - 8.3										
2.1 - 2.3	9.1										
3.1 - 3.4											

D mm	d mm	L mm	l <sub>1</sub> mm	Z	Part Nr
1	3	38	3	4	12403940
* 1	3	38	3	4	12403940E
1.5	3	38	5	4	12405910

\* DFZ (TiAlN PVD) coated