

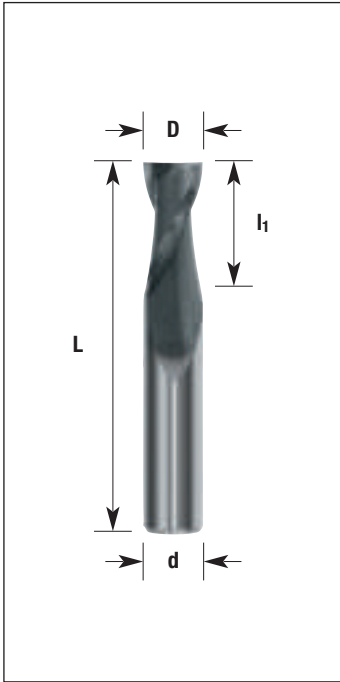
end mills - TiAlN multi coated

Schafffräser - TiAlN multi-Beschichtung

fraise en bout - TiAlN multi-revêtement

fresas frontales - TiAlN multi-recubrimiento

fresa - rivestimento TiAlN



112-E

Z=2

		tol: D 1 - 7mm +0.000/-0.051mm > 7 - 25mm +0.000/-0.076mm	tol: d h6								
Micro Grain K10/K30	<table border="1"> <tr> <td>1.1 - 1.3</td> <td>3.1 - 3.4</td> </tr> <tr> <td>1.4 - 1.6</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.7 - 1.8</td> <td>6.1 - 6.4</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> </table>	1.1 - 1.3	3.1 - 3.4	1.4 - 1.6	4.1 - 5.3	1.7 - 1.8	6.1 - 6.4	2.1 - 2.3	9.1		
1.1 - 1.3	3.1 - 3.4										
1.4 - 1.6	4.1 - 5.3										
1.7 - 1.8	6.1 - 6.4										
2.1 - 2.3	9.1										
DFZ (TiAlN)											

D mm	d mm	L mm	l ₁ mm	Part Nr
2	3	38	6	11207870TE
3	3	38	12	11211810TE
4	4	50	14	11215750TE
5	5	50	16	11219680TE
6	6	63	19	11223620TE
8	8	63	19	11231500TE
10	10	70	22	11239370TE
12	12	75	25	11247240TE
16	16	88	32	11262990TE

D ins	d ins	L ins	l ₁ ins	Part Nr
1/16	1/8	1 1/2	3/16	11206250TE
3/32	1/8	1 1/2	9/32	11209370TE
1/8	1/8	1 1/2	7/16	11212500TE
5/32	3/16	2	1/2	11215620TE
3/16	3/16	2	9/16	11218750TE
7/32	1/4	2 1/2	5/8	11221870TE
1/4	1/4	2 1/2	3/4	11225000TE
9/32	5/16	2 1/2	3/4	11228120TE
5/16	5/16	2 1/2	13/16	11231250TE
3/8	3/8	2 1/2	7/8	11237500TE
7/16	7/16	2 3/4	1	11243750TE
1/2	1/2	3	1	11250000TE
9/16	9/16	3 1/2	1 1/8	11256250TE
5/8	5/8	3 1/2	1 1/4	11262500TE
3/4	3/4	4	1 1/2	11275000TE

end mills - TiAlN multi coated

Schafffräser - TiAlN multi-Beschichtung


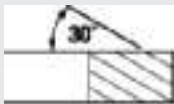
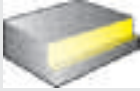

fraise en bout - TiAlN multi-revêtement

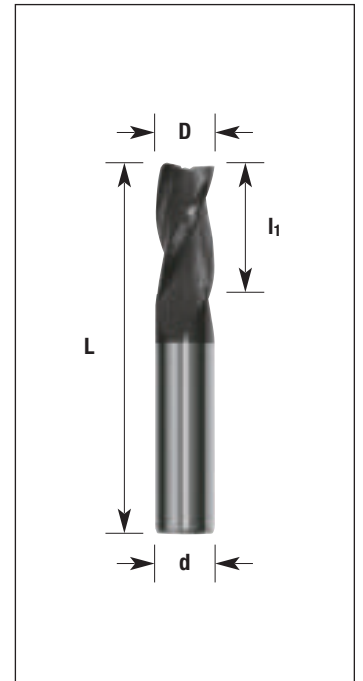
fresas frontales - TiAlN multi-recubrimiento

fresa - rivestimento TiAlN

113-E

Z=3

		tol: D 1 - 7mm +0.000/-0.051mm > 7 - 25mm +0.000/-0.076mm	tol: d h6								
Micro Grain K10/K30	<table border="0"> <tr> <td>1.1 - 1.3</td> <td>3.1 - 3.4</td> </tr> <tr> <td>1.4 - 1.6</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.7 - 1.8</td> <td>6.1 - 6.4</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> </table>	1.1 - 1.3	3.1 - 3.4	1.4 - 1.6	4.1 - 5.3	1.7 - 1.8	6.1 - 6.4	2.1 - 2.3	9.1		
1.1 - 1.3	3.1 - 3.4										
1.4 - 1.6	4.1 - 5.3										
1.7 - 1.8	6.1 - 6.4										
2.1 - 2.3	9.1										
DFZ (TiAlN)											



D mm	d mm	L mm	l ₁ mm	Part Nr
2	3	38	6	11307870TE
3	3	38	12	11311810TE
4	4	50	14	11315750TE
5	5	50	16	11319680TE
6	6	63	19	11323620TE
8	8	63	19	11331500TE
10	10	70	22	11339370TE
12	12	75	25	11347240TE
16	16	88	32	11362990TE

D ins	d ins	L ins	l ₁ ins	Part Nr
1/16	1/8	1 1/2	3/16	11306250TE
3/32	1/8	1 1/2	9/32	11309370TE
1/8	1/8	1 1/2	7/16	11312500TE
5/32	3/16	2	1/2	11315620TE
3/16	3/16	2	9/16	11318750TE
7/32	1/4	2 1/2	5/8	11321870TE
1/4	1/4	2 1/2	3/4	11325000TE
9/32	5/16	2 1/2	3/4	11328120TE
5/16	5/16	2 1/2	13/16	11331250TE
3/8	3/8	2 1/2	7/8	11337500TE
7/16	7/16	2 1/2	1	11343750TE
1/2	1/2	3	1	11350000TE
9/16	9/16	3 1/2	1 1/8	11356250TE
5/8	5/8	3 1/2	1 1/4	11362500TE
3/4	3/4	4	1 1/2	11375000TE

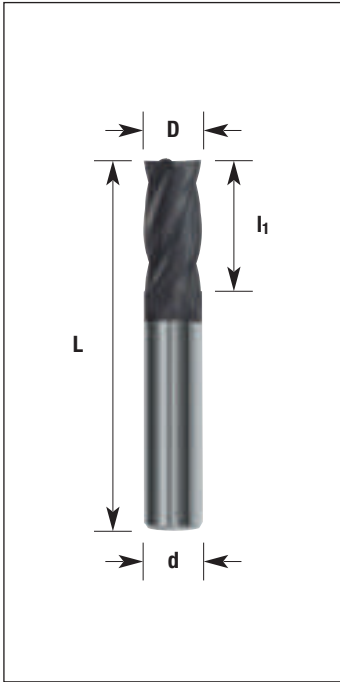
end mills - TiAlN multi coated

Schafffräser - TiAlN multi-Beschichtung

fraise en bout - TiAlN multi-revêtement

fresas frontales - TiAlN multi-recubrimiento

fresa - rivestimento TiAlN



114-E

Z = 4

		tol: D 1 - 7mm +0.000/-0.051mm > 7 - 25mm +0.000/-0.076mm	tol: d h6								
Micro Grain K10/K30	<table border="0"> <tr> <td>1.1 - 1.3</td> <td>3.1 - 3.4</td> </tr> <tr> <td>1.4 - 1.6</td> <td>4.1 - 5.3</td> </tr> <tr> <td>1.7 - 1.8</td> <td>6.1 - 6.4</td> </tr> <tr> <td>2.1 - 2.3</td> <td>9.1</td> </tr> </table>	1.1 - 1.3	3.1 - 3.4	1.4 - 1.6	4.1 - 5.3	1.7 - 1.8	6.1 - 6.4	2.1 - 2.3	9.1		
1.1 - 1.3	3.1 - 3.4										
1.4 - 1.6	4.1 - 5.3										
1.7 - 1.8	6.1 - 6.4										
2.1 - 2.3	9.1										
DFZ (TiAlN)											

D mm	d mm	L mm	l ₁ mm	Part Nr
2	3	38	6	11407870TE
3	3	38	12	11411810TE
4	4	50	14	11415750TE
5	5	50	16	11419680TE
6	6	63	19	11423620TE
8	8	63	19	11431500TE
10	10	70	22	11439370TE
12	12	75	25	11447240TE
16	16	88	32	11462990TE

D ins	d ins	L ins	l ₁ ins	Part Nr
1/16	1/8	1 1/2	3/16	11406250TE
3/32	1/8	1 1/2	9/32	11409370TE
1/8	1/8	1 1/2	7/16	11412500TE
5/32	3/16	2	1/2	11415620TE
3/16	3/16	2	9/16	11418750TE
7/32	1/4	2 1/2	5/8	11421870TE
1/4	1/4	2 1/2	3/4	11425000TE
9/32	5/16	2 1/2	3/4	11428120TE
5/16	5/16	2 1/2	13/16	11431250TE
3/8	3/8	2 1/2	7/8	11437500TE
7/16	7/16	2 3/4	1	11443750TE
1/2	1/2	3	1	11450000TE
9/16	9/16	3 1/2	1 1/8	11456250TE
5/8	5/8	3 1/2	1 1/4	11462500TE
3/4	3/4	4	1 1/2	11475000TE