

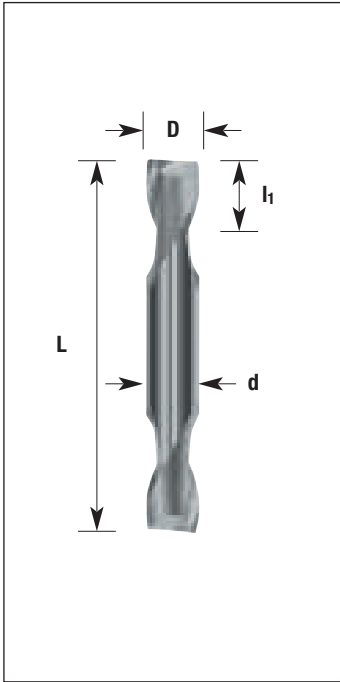
end mills - stub length - double ended

Schafffräser - kurz - zwei Schneidenköpfen

fraise en bout - courte - à double bout

fresas frontales - serie corta - doble corte

frese a lunghezza ridotta - doppio tagliente



132

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="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	h ₁ mm	Part Nr
1	3	38	2	13203940
1.5	3	38	3	13205910
2	3	38	4	13207870
2.5	3	38	5	13209840
3	3	38	6	13211810
3.5	4	50	7	13213780
4	4	50	8	13215750
4.5	5	50	9	13217720
5	5	50	10	13219680
6	6	63	12	13223620
8	8	63	12	13231500
10	10	70	12	13239370

end mills - stub length - double ended

Schafffräser - kurz - zwei Schneidenköpfen


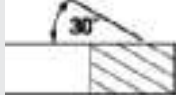


fraise en bout - courte - à double bout

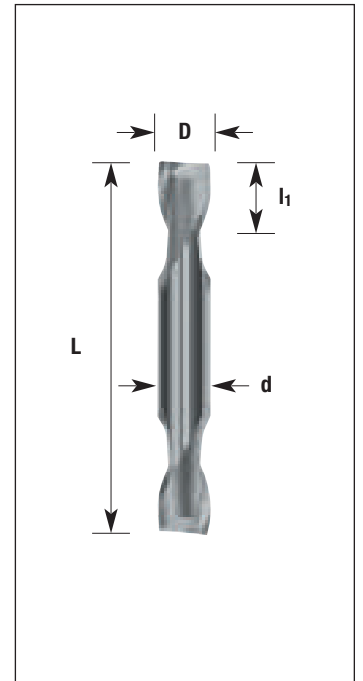
fresas frontales - serie corta - doble corte

frese a lunghezza ridotta - doppio tagliente

132

Z=2

		tol: D $\frac{1}{32}'' - \frac{1}{4}''$ $+0.000''/-0.002''$ $> \frac{1}{4}'' - 1''$ $+0.000''/-0.003''$	tol: d $+0.000''/-0.0005''$								
Micro Grain K10/K30	<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 ins	d ins	L ins	l ₁ ins	Part Nr
1/32	1/8	1 1/2	1/16	13203120
3/64	1/8	1 1/2	3/32	13204680
1/16	1/8	1 1/2	1/8	13206250
3/32	1/8	1 1/2	3/16	13209370
1/8	1/8	1 1/2	1/4	13212500
5/32	3/16	2	5/16	13215620
3/16	3/16	2	3/8	13218750
7/32	1/4	2 1/2	1/2	13221870
1/4	1/4	2 1/2	1/2	13225000
5/16	5/16	2 1/2	1/2	13231250
3/8	3/8	2 1/2	1/2	13237500

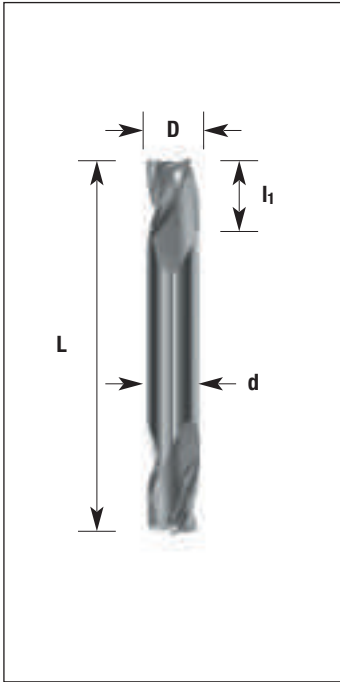
end mills - stub length - double ended

Schafffräser - kurz - zwei Schneidenköpfen

fraise en bout - courte - à double bout

fresas frontales - serie corta - doble corte

frese a lunghezza ridotta - doppio tagliente



133

Z=3

		tol: D 1 - 7mm +0.000/-0.051mm > 7 - 25mm +0.000/-0.076mm 1/32" - 1/4" +0.000"/-0.002" > 1/4" - 1" +0.000"/-0.003"	tol: d 1 - 25mm h6 1/32" - 1" +0.000"/-0.0005"								
Micro Grain K10/K30	<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	h ₁ mm	Part Nr
2	3	38	4	13307870
2.5	3	38	5	13309840
3	3	38	6	13311810
3.5	4	50	7	13313780
4	4	50	8	13315750
4.5	5	50	9	13317720
5	5	50	10	13319680
6	6	63	12	13323620
8	8	63	12	13331500
10	10	70	12	13339370

D ins	d ins	L ins	h ₁ ins	Part Nr
1/32	1/8	1 1/2	1/16	13303120
3/64	1/8	1 1/2	3/32	13304680
1/16	1/8	1 1/2	1/8	13306250
3/32	1/8	1 1/2	3/16	13309370
1/8	1/8	1 1/2	1/4	13312500
5/32	3/16	2	5/16	13315620
3/16	3/16	2	3/8	13318750
7/32	1/4	2 1/2	1/2	13321870
1/4	1/4	2 1/2	1/2	13325000
5/16	5/16	2 1/2	1/2	13331250
3/8	3/8	2 1/2	1/2	13337500

end mills - stub length - double ended

Schafffräser - kurz - zwei Schneidenköpfen


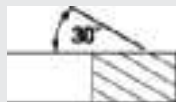
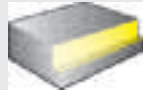
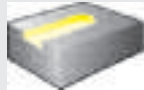
fraise en bout - courte - à double bout

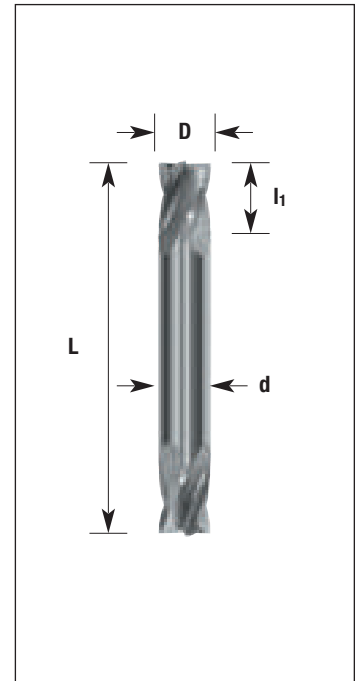
fresas frontales - serie corta - doble corte

frese a lunghezza ridotta - doppio tagliente

134

Z = 4

		tol: D 1 - 7mm +0.000/-0.051mm > 7 - 25mm +0.000/-0.076mm 1/32" - 1/4" +0.000"/-0.002" > 1/4" - 1" +0.000"/-0.003"	tol: d 1 - 25mm h6 1/32" - 1" +0.000"/-0.0005"								
Micro Grain K10/K30	<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 - 6.4</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 - 6.4	2.1 - 2.3	9.1	3.1 - 3.4			
1.1 - 1.3	4.1 - 5.3										
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2.1 - 2.3	9.1										
3.1 - 3.4											



D mm	d mm	L mm	l ₁ mm	Part Nr
1	3	38	2	13403940
1.5	3	38	3	13405910
2	3	38	4	13407870
2.5	3	38	5	13409840
3	3	38	6	13411810
3.5	4	50	7	13413780
4	4	50	8	13415750
4.5	5	50	9	13417720
5	5	50	10	13419680
6	6	63	12	13423620
8	8	63	12	13431500
10	10	70	12	13439370

D ins	d ins	L ins	l ₁ ins	Part Nr
1/32	1/8	1 1/2	1/16	13403120
3/64	1/8	1 1/2	3/32	13404680
1/16	1/8	1 1/2	1/8	13406250
3/32	1/8	1 1/2	3/16	13409370
1/8	1/8	1 1/2	1/4	13412500
5/32	3/16	2	5/16	13415620
3/16	3/16	2	3/8	13418750
7/32	1/4	2 1/2	1/2	13421870
1/4	1/4	2 1/2	1/2	13425000
5/16	5/16	2 1/2	1/2	13431250
3/8	3/8	2 1/2	1/2	13437500