

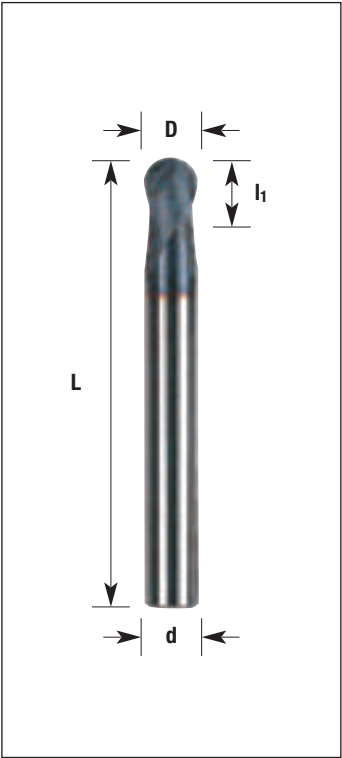
RAPIDE end mills - ball nosed - $HSC \leq 62 \text{ HRc}$

RAPIDE Shaftfräser - kugelspitze

RAPIDE fraise en bout - bout arrondit

RAPIDE fresas frontales - perfil redondo

fresa **RAPIDE** sferiche $HSC \leq 62 \text{ HRc}$



172-SF

Z=2

		tol: D 1 - 5mm +0.000/-0.0127mm > 5 - 10mm +0.000/-0.009mm >10 - 18mm +0.000/-0.011mm >18 - 25mm +0.000/-0.013mm	tol: d h6								
Micro Grain K10/K30	<table><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 - 1.9</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 - 1.9	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 - 1.9	6.1 - 6.4										
2.1 - 2.3	9.1										
TiAlN PVD											

D mm	d mm	L mm	l ₁ mm	Part Nr
2	6	50	3	17207870SF
3	6	63	4	17211810SF
4	6	63	5	17215750SF
5	6	75	6	17219680SF
6	6	75	8	17223620SF
8	8	75	10	17231500SF
10	10	100	13	17239370SF
12	12	100	15	17247240SF
16	16	115	20	17262990SF

RAPIDE end mills - ball nosed - $HSC \leq 62 \text{ HRc}$

RAPIDE Shafffräser - kugelspitze

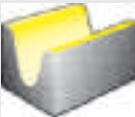
RAPIDE fraise en bout - bout arrondit

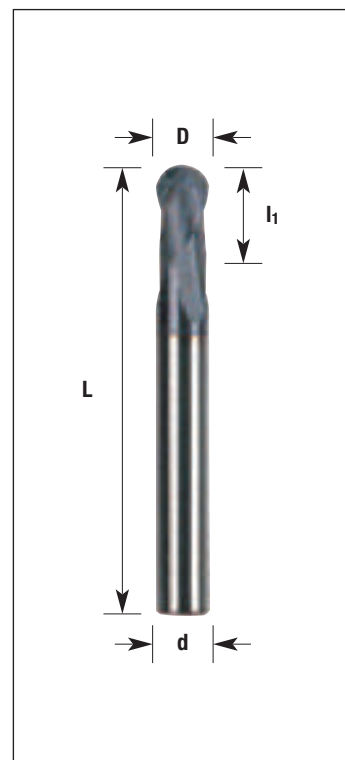
RAPIDE fresas frontales - perfil redondo

fresa **RAPIDE** sferiche $HSC \leq 62 \text{ HRc}$

172-LF

Z=2

		tol: D 0.5 - 5mm +0.000/-0.0127mm > 5 - 10mm +0.000/-0.009mm >10 - 18mm +0.000/-0.011mm >18 - 25mm +0.000/-0.013mm	tol: d h6
Micro Grain K10/K30	1.1 - 1.3 1.4 - 1.6 1.7 - 1.9 2.1 - 2.3 3.1 - 3.4 4.1 - 5.3 6.1 - 6.4 9.1		
TiAlN PVD			



D mm	d mm	L mm	l ₁ mm	Part Nr
0.5	3	38	1	17201960LF
1	3	38	2.5	17203940LF
1.5	3	38	4	17205910LF
2	6	50	6	17207870LF
3	6	63	8	17211810LF
4	6	63	8	17215750LF
5	6	75	12	17219680LF
6	6	75	12	17223620LF
8	8	75	14	17231500LF
10	10	100	18	17239370LF
12	12	100	22	17247240LF
16	16	115	30	17262990LF

D ins	d ins	L ins	l ₁ ins	Part Nr
1/16	1/8	2 1/2	5/64	17206250LF
3/32	1/8	1 1/2	1/4	17209370LF
1/8	1/8	2 1/2	1/4	17212500LF
5/32	1/8	2 1/2	5/16	17215620LF
3/16	1/4	3	1/2	17218750LF
1/4	1/4	3	1/2	17225000LF
5/16	5/16	3	9/16	17231250LF
3/8	3/8	4	1 1/16	17237500LF
1/2	1/2	4	7/8	17250000LF
5/8	5/8	4 1/2	1 1/4	17262500LF

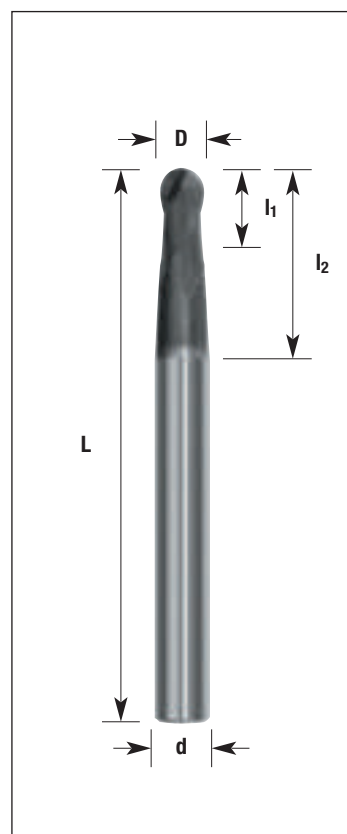
RAPIDE end mills - ball nosed - $HSC \leq 62 HRC$

RAPIDE Shaftfräser - kugelspitze

RAPIDE fraise en bout - bout arrondit

RAPIDE fresas frontales - perfil redondo

frese **RAPIDE** sferiche $HSC \leq 62 HRC$



176

Z=2

		tol: D +0.000/-0.0127mm	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 - 1.9</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 - 1.9	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 - 1.9	6.1 - 6.4										
2.1 - 2.3	9.1										
TiAlN PVD											

D mm	d mm	L mm	l ₁ mm	l ₂ mm	Ø degrees	Part Nr
2	6	75	6	44	3	17607870
3	6	75	8	37	3	17611810
4	6	75	8	27	3	17615750
5	8	100	12	41	3	17619680
6	8	100	12	31	3	17623620
8	10	100	14	33	3	17631500
10	12	150	18	37	3	17639370

D ins	d ins	L ins	l ₁ ins	l ₂ ins	Ø degrees	Part Nr
1/16	1/4	3	1/4	1 25/32	3	17606250
3/32	1/4	3	1/4	1 1/2	3	17609370
1/8	1/4	3	5/16	1 3/16	3	17612500
3/16	5/16	4	1/2	1 3/16	3	17618750
1/4	5/16	4	1/2	1 9/32	3	17625000
5/16	3/8	4	9/16	1 9/32	3	17631250
3/8	1/2	6	1 1/16	1 3/16	3	17637500

RAPIDE end mills - ball nosed - $HSC \leq 62 \text{ HRc}$

RAPIDE Shaftfräser - kugelspitze

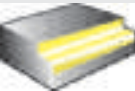
RAPIDE fraise en bout - bout arrondit

RAPIDE fresas frontales - perfil redondo

fresa **RAPIDE** sferiche $HSC \leq 62 \text{ HRc}$

174

Z=4

		tol: D 1 - 5mm +0.000/-0.0127mm > 5 - 10mm +0.000/-0.009mm >10 - 18mm +0.000/-0.011mm >18 - 25mm +0.000/-0.013mm	tol: d h6
Micro Grain K10/K30	1.1 - 1.3 1.4 - 1.6 1.7 - 1.9 2.1 - 2.3 3.1 - 3.4 4.1 - 5.3 6.1 - 6.4 9.1		
TiAlN PVD			

D mm	d mm	L mm	l ₁ mm	Part Nr
2	6	50	6	17407870LF
3	6	63	8	17411810LF
4	6	63	8	17415750LF
5	6	75	12	17419680LF
6	6	75	12	17423620LF
8	8	75	14	17431500LF
10	10	100	18	17439370LF
12	12	100	22	17447240LF
16	16	115	30	17462990LF

D ins	d ins	L ins	l ₁ ins	Part Nr
1/16	1/4	2	5/64	17406250LF
3/32	1/4	2	1/4	17409370LF
1/8	1/4	2 1/2	1/4	17412500LF
5/32	1/4	2 1/2	5/16	17415620LF
3/16	1/4	3	1/2	17418750LF
1/4	1/4	3	1/2	17425000LF
5/16	5/16	3	9/16	17431250LF
3/8	3/8	4	1 1/16	17437500LF
1/2	1/2	4	7/8	17450000LF
5/8	5/8	4 1/2	1 1/4	17462500LF

