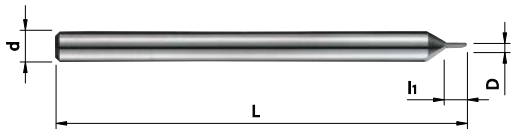
MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	1	2	1	0	
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z1		λ 0° γ ~0°		210.112.10



OPTI micro

Taille droite
Norme OPTI

$D_{0/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu
0.5	3	**1**	39	1	**210.112.10-00.5**
0.6	3	**1.2**	39	1	**210.112.10-00.6**
0.7	3	**1.5**	39	1	**210.112.10-00.7**
0.8	3	**1.5**	39	1	**210.112.10-00.8**
0.9	3	**1.5**	39	1	**210.112.10-00.9**
1	3	**2**	39	1	**210.112.10-01**
1.1	3	**2**	39	1	**210.112.10-01.1**
1.2	3	**2**	39	1	**210.112.10-01.2**
1.3	3	**2**	39	1	**210.112.10-01.3**
1.4	3	**2**	39	1	**210.112.10-01.4**
1.5	3	**2**	39	1	**210.112.10-01.5**
1.6	3	**2.5**	39	1	**210.112.10-01.6**
1.7	3	**2.5**	39	1	**210.112.10-01.7**
1.8	3	**2.5**	39	1	**210.112.10-01.8**
1.9	3	**2.5**	39	1	**210.112.10-01.9**
2	3	**2.5**	39	1	**210.112.10-02**
2.5	3	**3**	39	1	**210.112.10-02.5**

INFO Tech
>>> p 138

MICRO fraises

Micro fraises

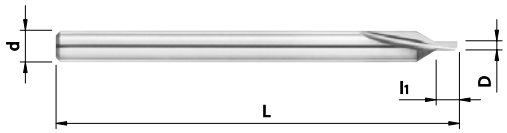
Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	1	2	3	4	
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z1				

210.112.34



OPTI micro

nouveau

l1 = 2 x D

Type 3/4 - *Taille* droite

Norme OPTI

$D_{0/-0.01}$	d_{h5}	l_1	L	Z	**Non revêtu**
0.2	3	**0.4**	39	1	**210.112.34-00.2**
0.3	3	**0.6**	39	1	**210.112.34-00.3**
0.4	3	**0.8**	39	1	**210.112.34-00.4**
0.5	3	**1**	39	1	**210.112.34-00.5**
0.6	3	**1.2**	39	1	**210.112.34-00.6**
0.7	3	**1.4**	39	1	**210.112.34-00.7**
0.8	3	**1.6**	39	1	**210.112.34-00.8**
0.9	3	**1.8**	39	1	**210.112.34-00.9**
1	3	**2**	39	1	**210.112.34-01**
1.1	3	**2.2**	39	1	**210.112.34-01.1**
1.2	3	**2.4**	39	1	**210.112.34-01.2**
1.3	3	**2.6**	39	1	**210.112.34-01.3**
1.4	3	**2.8**	39	1	**210.112.34-01.4**
1.5	3	**3**	39	1	**210.112.34-01.5**
1.6	3	**3.2**	39	1	**210.112.34-01.6**
1.7	3	**3.4**	39	1	**210.112.34-01.7**
1.8	3	**3.6**	39	1	**210.112.34-01.8**
1.9	3	**3.8**	39	1	**210.112.34-01.9**
2	3	**4**	39	1	**210.112.34-02**
2.5	3	**5**	39	1	**210.112.34-02.5**

INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises

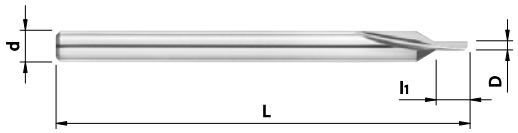
Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	1	3	3	4	
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z1				

210.113.34



OPTI micro

nouveau

l1 = 3 x D

Type 3/4 - *Taille* droite

Norme OPTI

$D_{0/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu
0.2	3	**0.6**	39	1	**210.113.34-00.2**
0.3	3	**0.9**	39	1	**210.113.34-00.3**
0.4	3	**1.2**	39	1	**210.113.34-00.4**
0.5	3	**1.5**	39	1	**210.113.34-00.5**
0.6	3	**1.8**	39	1	**210.113.34-00.6**
0.7	3	**2.1**	39	1	**210.113.34-00.7**
0.8	3	**2.4**	39	1	**210.113.34-00.8**
0.9	3	**2.7**	39	1	**210.113.34-00.9**
1	3	**3**	39	1	**210.113.34-01**
1.1	3	**3.3**	39	1	**210.113.34-01.1**
1.2	3	**3.6**	39	1	**210.113.34-01.2**
1.3	3	**3.9**	39	1	**210.113.34-01.3**
1.4	3	**4.2**	39	1	**210.113.34-01.4**
1.5	3	**4.5**	39	1	**210.113.34-01.5**

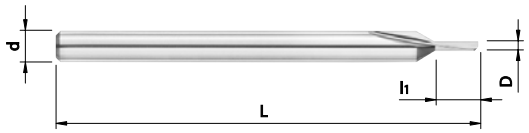
INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	1	4	3	4	
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z1				

210.114.34



OPTI micro

nouveau

l1 = 4 x D

Type 3/4 - *Taille* droite

Norme OPTI

$D_{0/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu
0.3	3	**1.2**	39	1	**210.114.34-00.3**
0.4	3	**1.6**	39	1	**210.114.34-00.4**
0.5	3	**2**	39	1	**210.114.34-00.5**
0.6	3	**2.4**	39	1	**210.114.34-00.6**
0.7	3	**2.8**	39	1	**210.114.34-00.7**
0.8	3	**3.2**	39	1	**210.114.34-00.8**
0.9	3	**3.6**	39	1	**210.114.34-00.9**
1	3	**4**	39	1	**210.114.34-01**
1.1	3	**4.4**	39	1	**210.114.34-01.1**
1.2	3	**4.8**	39	1	**210.114.34-01.2**

INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises

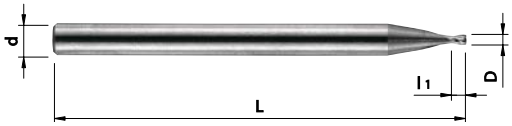
Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	2	0	3	0	M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM

210.120.30 **210.120.30M**



OPTI micro

l1 = 0.75 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.25**	39	2	**210.120.30-00.3**	**210.120.30M-00.3**
0.4	3	**0.3**	39	2	**210.120.30-00.4**	**210.120.30M-00.4**
0.5	3	**0.37**	39	2	**210.120.30-00.5**	**210.120.30M-00.5**
0.6	3	**0.45**	39	2	**210.120.30-00.6**	**210.120.30M-00.6**
0.7	3	**0.53**	39	2	**210.120.30-00.7**	**210.120.30M-00.7**
0.8	3	**0.6**	39	2	**210.120.30-00.8**	**210.120.30M-00.8**
0.9	3	**0.67**	39	2	**210.120.30-00.9**	**210.120.30M-00.9**
1	3	**0.75**	39	2	**210.120.30-01**	**210.120.30M-01**

INFO Tech

>>> *p* 138

MICRO fraises

Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	2	1	3	0	M	210.121.30	210.121.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM		

OPTI micro

l1 = 1.5 x D

Type N

Norme OPTI

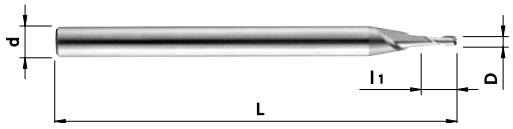
$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.1	3	**0.15**	39	2	**210.121.30-00.1**	
0.15	3	**0.2**	39	2	**210.121.30-00.15**	
0.2	3	**0.3**	39	2	**210.121.30-00.2**	**210.121.30M-00.2**
0.25	3	**0.35**	39	2	**210.121.30-00.25**	**210.121.30M-00.25**
0.3	3	**0.45**	39	2	**210.121.30-00.3**	**210.121.30M-00.3**
0.4	3	**0.6**	39	2	**210.121.30-00.4**	**210.121.30M-00.4**
0.5	3	**0.75**	39	2	**210.121.30-00.5**	**210.121.30M-00.5**
0.6	3	**0.9**	39	2	**210.121.30-00.6**	**210.121.30M-00.6**
0.7	3	**1.05**	39	2	**210.121.30-00.7**	**210.121.30M-00.7**
0.8	3	**1.2**	39	2	**210.121.30-00.8**	**210.121.30M-00.8**
0.9	3	**1.35**	39	2	**210.121.30-00.9**	**210.121.30M-00.9**
1	3	**1.5**	39	2	**210.121.30-01**	**210.121.30M-01**
1.1	3	**1.65**	39	2	**210.121.30-01.1**	**210.121.30M-01.1**
1.2	3	**1.8**	39	2	**210.121.30-01.2**	**210.121.30M-01.2**
1.3	3	**1.95**	39	2	**210.121.30-01.3**	**210.121.30M-01.3**
1.4	3	**2.1**	39	2	**210.121.30-01.4**	**210.121.30M-01.4**
1.5	3	**2.25**	39	2	**210.121.30-01.5**	**210.121.30M-01.5**
1.6	3	**2.4**	39	2	**210.121.30-01.6**	**210.121.30M-01.6**
1.7	3	**2.55**	39	2	**210.121.30-01.7**	**210.121.30M-01.7**
1.8	3	**2.7**	39	2	**210.121.30-01.8**	**210.121.30M-01.8**
1.9	3	**2.85**	39	2	**210.121.30-01.9**	**210.121.30M-01.9**
2	3	**3**	39	2	**210.121.30-02**	**210.121.30M-02**

INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	2	5	3	0	M	210.125.30	210.125.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM		



OPTI micro

l1 = 3 x D
Type N
Norme OPTI

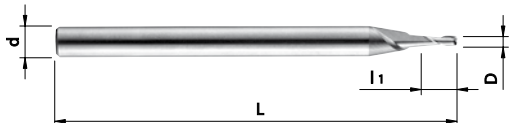
$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.08	3	**0.2**	39	2	**210.125.30-00.08**	
0.1	3	**0.25**	39	2	**210.125.30-00.1**	
0.15	3	**0.3**	39	2	**210.125.30-00.15**	
0.2	3	**0.5**	39	2	**210.125.30-00.2**	**210.125.30M-00.2**
0.25	3	**0.5**	39	2	**210.125.30-00.25**	**210.125.30M-00.25**
0.3	3	**1**	39	2	**210.125.30-00.3**	**210.125.30M-00.3**
0.35	3	**1**	39	2	**210.125.30-00.35**	**210.125.30M-00.35**
0.4	3	**1.2**	39	2	**210.125.30-00.4**	**210.125.30M-00.4**
0.45	3	**1.2**	39	2	**210.125.30-00.45**	**210.125.30M-00.45**
0.5	3	**1.5**	39	2	**210.125.30-00.5**	**210.125.30M-00.5**
0.55	3	**1.5**	39	2	**210.125.30-00.55**	**210.125.30M-00.55**
0.6	3	**2**	39	2	**210.125.30-00.6**	**210.125.30M-00.6**
0.65	3	**2**	39	2	**210.125.30-00.65**	**210.125.30M-00.65**
0.7	3	**2**	39	2	**210.125.30-00.7**	**210.125.30M-00.7**
0.75	3	**2**	39	2	**210.125.30-00.75**	**210.125.30M-00.75**
0.8	3	**2.5**	39	2	**210.125.30-00.8**	**210.125.30M-00.8**
0.85	3	**2.5**	39	2	**210.125.30-00.85**	**210.125.30M-00.85**
0.9	3	**2.5**	39	2	**210.125.30-00.9**	**210.125.30M-00.9**
0.95	3	**2.5**	39	2	**210.125.30-00.95**	**210.125.30M-00.95**
1	3	**3**	39	2	**210.125.30-01**	**210.125.30M-01**
1.05	3	**3**	39	2	**210.125.30-01.05**	**210.125.30M-01.05**
1.1	3	**3**	39	2	**210.125.30-01.1**	**210.125.30M-01.1**
1.15	3	**3**	39	2	**210.125.30-01.15**	**210.125.30M-01.15**
1.2	3	**4**	39	2	**210.125.30-01.2**	**210.125.30M-01.2**
1.25	3	**4**	39	2	**210.125.30-01.25**	**210.125.30M-01.25**
1.3	3	**4**	39	2	**210.125.30-01.3**	**210.125.30M-01.3**

INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	2	5	3	0	M	210.125.30	210.125.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM		



OPTI micro

l1 = 3 x D
Type N
Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
1.35	3	**4**	39	2	**210.125.30-01.35**	**210.125.30M-01.35**
1.4	3	**4**	39	2	**210.125.30-01.4**	**210.125.30M-01.4**
1.45	3	**4**	39	2	**210.125.30-01.45**	**210.125.30M-01.45**
1.5	3	**4.5**	39	2	**210.125.30-01.5**	**210.125.30M-01.5**
1.55	3	**4.5**	39	2	**210.125.30-01.55**	**210.125.30M-01.55**
1.6	3	**4.5**	39	2	**210.125.30-01.6**	**210.125.30M-01.6**
1.65	3	**5**	39	2	**210.125.30-01.65**	**210.125.30M-01.65**
1.7	3	**5**	39	2	**210.125.30-01.7**	**210.125.30M-01.7**
1.75	3	**6**	39	2	**210.125.30-01.75**	**210.125.30M-01.75**
1.8	3	**6**	39	2	**210.125.30-01.8**	**210.125.30M-01.8**
1.85	3	**6**	39	2	**210.125.30-01.85**	**210.125.30M-01.85**
1.9	3	**6**	39	2	**210.125.30-01.9**	**210.125.30M-01.9**
1.95	3	**6**	39	2	**210.125.30-01.95**	**210.125.30M-01.95**
2	3	**6**	39	2	**210.125.30-02**	**210.125.30M-02**
2.1	3	**6**	39	2	**210.125.30-02.1**	**210.125.30M-02.1**
2.2	3	**6.5**	39	2	**210.125.30-02.2**	**210.125.30M-02.2**
2.3	3	**7**	39	2	**210.125.30-02.3**	**210.125.30M-02.3**
2.4	3	**7**	39	2	**210.125.30-02.4**	**210.125.30M-02.4**
2.5	3	**7.5**	39	2	**210.125.30-02.5**	**210.125.30M-02.5**
2.6	3	**7.5**	39	2	**210.125.30-02.6**	**210.125.30M-02.6**
2.7	3	**8**	39	2	**210.125.30-02.7**	**210.125.30M-02.7**
2.8	3	**8**	39	2	**210.125.30-02.8**	**210.125.30M-02.8**
2.9	3	**8**	39	2	**210.125.30-02.9**	**210.125.30M-02.9**

INFO Tech
>>> p 138

MICRO fraises

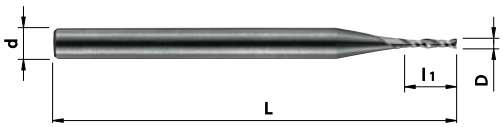
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	2	6	3	0	M	210.126.30	210.126.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM		



OPTI micro

l1 = 5 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**1.5**	39	2	**210.126.30-00.3**	**210.126.30M-00.3**
0.4	3	**2**	39	2	**210.126.30-00.4**	**210.126.30M-00.4**
0.5	3	**2.5**	39	2	**210.126.30-00.5**	**210.126.30M-00.5**
0.6	3	**3**	39	2	**210.126.30-00.6**	**210.126.30M-00.6**
0.7	3	**3.5**	39	2	**210.126.30-00.7**	**210.126.30M-00.7**
0.8	3	**4**	39	2	**210.126.30-00.8**	**210.126.30M-00.8**
0.9	3	**4.5**	39	2	**210.126.30-00.9**	**210.126.30M-00.9**
1	3	**5**	39	2	**210.126.30-01**	**210.126.30M-01**
1.1	3	**5.5**	39	2	**210.126.30-01.1**	**210.126.30M-01.1**
1.2	3	**6**	39	2	**210.126.30-01.2**	**210.126.30M-01.2**
1.5	3	**7.5**	39	2	**210.126.30-01.5**	**210.126.30M-01.5**
2	3	**10**	39	2	**210.126.30-02**	**210.126.30M-02**

INFO Tech
>>> *p* 138

MICRO fraises

Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	2	7	3	0	M	210.127.30	210.127.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM		

OPTI micro

gamme élargie

l1 = 8 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.4	3	**3.2**	39	2	**210.127.30-00.4**	**210.127.30M-00.4**
0.5	3	**4**	39	2	**210.127.30-00.5**	**210.127.30M-00.5**
0.6	3	**5**	39	2	**210.127.30-00.6**	**210.127.30M-00.6**
0.8	3	**6**	39	2	**210.127.30-00.8**	**210.127.30M-00.8**
1	3	**8**	39	2	**210.127.30-01**	**210.127.30M-01**
1.2	3	**9**	39	2	**210.127.30-01.2**	**210.127.30M-01.2**
1.5	4	**12**	44	2	**210.127.30-01.5**	**210.127.30M-01.5**
2	4	**16**	44	2	**210.127.30-02**	**210.127.30M-02**

INFO tech

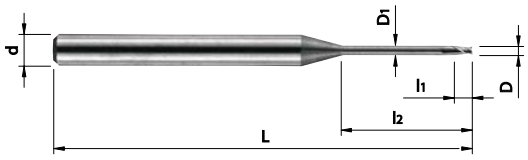
>>> *p* 138

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	2	8	3	0	M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z2		λ 30° γ ~10°		PSNM

210.128.30 **210.128.30M**



OPTI micro

gamme élargie

l1 = 1.5 x D

Type N

Norme OPTI

$D_{+/-0.01}$	l_2	l_1	$D_{1\ -0.02/-0.05}$	d_{h5}	L	Z	Non revêtu	Revêtu PSNM
0.1	**0.45**	0.15	0.1	3	39	2	**210.128.30-0.1**	
0.15	**0.5**	0.2	0.15	3	39	2	**210.128.30-0.15**	
0.2	**0.6**	0.3	0.2	3	39	2	**210.128.30-0.2**	**210.128.30M-0.2**
0.25	**0.75**	0.35	0.25	3	39	2	**210.128.30-0.25**	**210.128.30M-0.25**
0.3	**2**	0.45	0.3	3	39	2	**210.128.30-0.3-02**	**210.128.30M-0.3-02**
0.4	**2**	0.6	0.4	3	39	2	**210.128.30-0.4-02**	**210.128.30M-0.4-02**
0.4	**4**	0.6	0.4	3	39	2	**210.128.30-0.4-04**	**210.128.30M-0.4-04**
0.5	**4**	0.75	0.5	3	39	2	**210.128.30-0.5-04**	**210.128.30M-0.5-04**
0.5	**6**	0.75	0.5	3	39	2	**210.128.30-0.5-06**	**210.128.30M-0.5-06**
0.6	**4**	0.9	0.6	3	39	2	**210.128.30-0.6-04**	**210.128.30M-0.6-04**
0.6	**6**	0.9	0.6	3	39	2	**210.128.30-0.6-06**	**210.128.30M-0.6-06**
0.7	**4**	1.05	0.7	3	39	2	**210.128.30-0.7-04**	**210.128.30M-0.7-04**
0.7	**6**	1.05	0.7	3	39	2	**210.128.30-0.7-06**	**210.128.30M-0.7-06**
0.8	**4**	1.2	0.8	3	39	2	**210.128.30-0.8-04**	**210.128.30M-0.8-04**
0.8	**6**	1.2	0.8	3	39	2	**210.128.30-0.8-06**	**210.128.30M-0.8-06**
0.8	**9**	1.2	0.8	3	39	2	**210.128.30-0.8-09**	**210.128.30M-0.8-09**
0.9	**6**	1.35	0.9	3	39	2	**210.128.30-0.9-06**	**210.128.30M-0.9-06**
0.9	**9**	1.35	0.9	3	39	2	**210.128.30-0.9-09**	**210.128.30M-0.9-09**
1	**6**	1.5	1	3	39	2	**210.128.30-1-06**	**210.128.30M-1-06**
1	**9**	1.5	1	3	39	2	**210.128.30-1-09**	**210.128.30M-1-09**
1	**12**	1.5	1	3	39	2	**210.128.30-1-12**	**210.128.30M-1-12**
1.2	**6**	1.8	1.2	3	39	2	**210.128.30-1.2-06**	**210.128.30M-1.2-06**
1.2	**9**	1.8	1.2	3	39	2	**210.128.30-1.2-09**	**210.128.30M-1.2-09**
1.2	**12**	1.8	1.2	3	39	2	**210.128.30-1.2-12**	**210.128.30M-1.2-12**
1.4	**6**	2.1	1.4	3	39	2	**210.128.30-1.4-06**	**210.128.30M-1.4-06**
1.4	**9**	2.1	1.4	3	39	2	**210.128.30-1.4-09**	**210.128.30M-1.4-09**
1.5	**6**	2.25	1.5	3	39	2	**210.128.30-1.5-06**	**210.128.30M-1.5-06**
1.5	**9**	2.25	1.5	3	39	2	**210.128.30-1.5-09**	**210.128.30M-1.5-09**
1.5	**12**	2.25	1.5	3	39	2	**210.128.30-1.5-12**	**210.128.30M-1.5-12**
1.8	**9**	2.7	1.8	3	39	2	**210.128.30-1.8-09**	**210.128.30M-1.8-09**
1.8	**12**	2.7	1.8	3	39	2	**210.128.30-1.8-12**	**210.128.30M-1.8-12**
2	**9**	3	2	3	39	2	**210.128.30-2-09**	**210.128.30M-2-09**
2	**12**	3	2	3	39	2	**210.128.30-2-12**	**210.128.30M-2-12**

INFO Tech
>>> p 138

MICRO fraises

Micro fraises

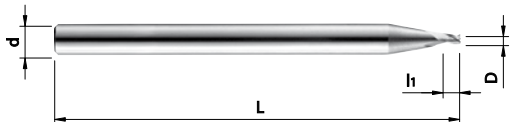
Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	3	1	3	0	M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 30° γ ~10°		PSNM

210.131.30 | 210.131.30M



OPTI micro

gamme élargie

l1 = 1.3 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.4**	39	3	**210.131.30-00.3**	**210.131.30M-00.3**
0.35	3	**0.5**	39	3	**210.131.30-00.35**	**210.131.30M-00.35**
0.4	3	**0.5**	39	3	**210.131.30-00.4**	**210.131.30M-00.4**
0.45	3	**0.6**	39	3	**210.131.30-00.45**	**210.131.30M-00.45**
0.5	3	**0.7**	39	3	**210.131.30-00.5**	**210.131.30M-00.5**
0.6	3	**0.8**	39	3	**210.131.30-00.6**	**210.131.30M-00.6**
0.7	3	**0.9**	39	3	**210.131.30-00.7**	**210.131.30M-00.7**
0.8	3	**1**	39	3	**210.131.30-00.8**	**210.131.30M-00.8**
0.9	3	**1.3**	39	3	**210.131.30-00.9**	**210.131.30M-00.9**
1	3	**1.3**	39	3	**210.131.30-01**	**210.131.30M-01**
1.1	3	**1.5**	39	3	**210.131.30-01.1**	**210.131.30M-01.1**
1.2	3	**1.6**	39	3	**210.131.30-01.2**	**210.131.30M-01.2**
1.4	3	**1.8**	39	3	**210.131.30-01.4**	**210.131.30M-01.4**
1.5	3	**2**	39	3	**210.131.30-01.5**	**210.131.30M-01.5**
1.6	3	**2**	39	3	**210.131.30-01.6**	**210.131.30M-01.6**
1.8	3	**2.4**	39	3	**210.131.30-01.8**	**210.131.30M-01.8**
2	3	**2.6**	39	3	**210.131.30-02**	**210.131.30M-02**
2.5	3	**3.3**	39	3	**210.131.30-02.5**	**210.131.30M-02.5**

INFO Tech >>> p 139

MICRO fraises

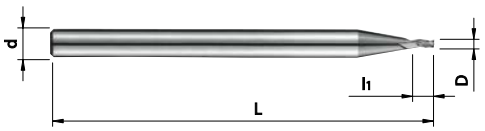
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	3	2	3	0	M	210.132.30	210.132.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 30° γ ~10°		PSNM		



OPTI micro

gamme élargie

l1 = 2 x D

Type N

Norme OPTI

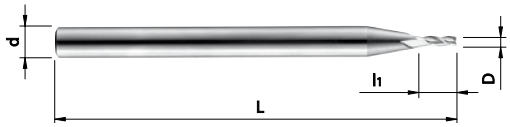
$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.6**	39	3	**210.132.30-00.3**	**210.132.30M-00.3**
0.35	3	**0.7**	39	3	**210.132.30-00.35**	**210.132.30M-00.35**
0.4	3	**0.8**	39	3	**210.132.30-00.4**	**210.132.30M-00.4**
0.45	3	**0.9**	39	3	**210.132.30-00.45**	**210.132.30M-00.45**
0.5	3	**1**	39	3	**210.132.30-00.5**	**210.132.30M-00.5**
0.6	3	**1.2**	39	3	**210.132.30-00.6**	**210.132.30M-00.6**
0.7	3	**1.4**	39	3	**210.132.30-00.7**	**210.132.30M-00.7**
0.8	3	**1.6**	39	3	**210.132.30-00.8**	**210.132.30M-00.8**
0.9	3	**1.8**	39	3	**210.132.30-00.9**	**210.132.30M-00.9**
1	3	**2**	39	3	**210.132.30-01**	**210.132.30M-01**
1.1	3	**2.2**	39	3	**210.132.30-01.1**	**210.132.30M-01.1**
1.2	3	**2.4**	39	3	**210.132.30-01.2**	**210.132.30M-01.2**
1.3	3	**2.6**	39	3	**210.132.30-01.3**	**210.132.30M-01.3**
1.4	3	**2.8**	39	3	**210.132.30-01.4**	**210.132.30M-01.4**
1.5	3	**3**	39	3	**210.132.30-01.5**	**210.132.30M-01.5**
1.6	3	**3.2**	39	3	**210.132.30-01.6**	**210.132.30M-01.6**
1.7	3	**3.4**	39	3	**210.132.30-01.7**	**210.132.30M-01.7**
1.8	3	**3.6**	39	3	**210.132.30-01.8**	**210.132.30M-01.8**
1.9	3	**3.8**	39	3	**210.132.30-01.9**	**210.132.30M-01.9**
2	3	**4**	39	3	**210.132.30-02**	**210.132.30M-02**

INFO Tech
>>> p 139

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	3	5	3	0	M	210.135.30	210.135.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 30° γ ~10°		PSNM		



OPTI micro

gamme élargie

l1 = 3 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.9**	39	3	**210.135.30-00.3**	**210.135.30M-00.3**
0.4	3	**1.2**	39	3	**210.135.30-00.4**	**210.135.30M-00.4**
0.45	3	**1.2**	39	3	**210.135.30-00.45**	**210.135.30M-00.45**
0.5	3	**1.5**	39	3	**210.135.30-00.5**	**210.135.30M-00.5**
0.55	3	**1.5**	39	3	**210.135.30-00.55**	**210.135.30M-00.55**
0.6	3	**2**	39	3	**210.135.30-00.6**	**210.135.30M-00.6**
0.65	3	**2**	39	3	**210.135.30-00.65**	**210.135.30M-00.65**
0.7	3	**2**	39	3	**210.135.30-00.7**	**210.135.30M-00.7**
0.75	3	**2**	39	3	**210.135.30-00.75**	**210.135.30M-00.75**
0.8	3	**2.5**	39	3	**210.135.30-00.8**	**210.135.30M-00.8**
0.85	3	**2.5**	39	3	**210.135.30-00.85**	**210.135.30M-00.85**
0.9	3	**2.5**	39	3	**210.135.30-00.9**	**210.135.30M-00.9**
0.95	3	**2.5**	39	3	**210.135.30-00.95**	**210.135.30M-00.95**
1	3	**3**	39	3	**210.135.30-01**	**210.135.30M-01**
1.05	3	**3**	39	3	**210.135.30-01.05**	**210.135.30M-01.05**
1.1	3	**3.3**	39	3	**210.135.30-01.1**	**210.135.30M-01.1**
1.15	3	**3.3**	39	3	**210.135.30-01.15**	**210.135.30M-01.15**
1.2	3	**4**	39	3	**210.135.30-01.2**	**210.135.30M-01.2**
1.25	3	**4**	39	3	**210.135.30-01.25**	**210.135.30M-01.25**
1.3	3	**4**	39	3	**210.135.30-01.3**	**210.135.30M-01.3**
1.35	3	**4**	39	3	**210.135.30-01.35**	**210.135.30M-01.35**
1.4	3	**4**	39	3	**210.135.30-01.4**	**210.135.30M-01.4**
1.45	3	**4**	39	3	**210.135.30-01.45**	**210.135.30M-01.45**
1.5	3	**4.5**	39	3	**210.135.30-01.5**	**210.135.30M-01.5**
1.6	3	**4.5**	39	3	**210.135.30-01.6**	**210.135.30M-01.6**
1.7	3	**5**	39	3	**210.135.30-01.7**	**210.135.30M-01.7**

INFO Tech >>> p 139

MICRO fraises

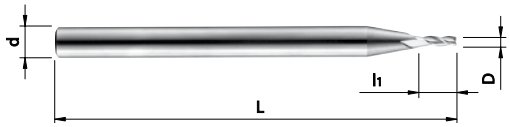
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	3	5	3	0	M	210.135.30	210.135.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 30° γ ~10°		PSNM		



OPTI micro

gamme élargie

l1 = 3 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
1.8	3	**6**	39	3	**210.135.30-01.8**	**210.135.30M-01.8**
1.9	3	**6**	39	3	**210.135.30-01.9**	**210.135.30M-01.9**
2	3	**6**	39	3	**210.135.30-02**	**210.135.30M-02**
2.1	3	**6**	39	3	**210.135.30-02.1**	**210.135.30M-02.1**
2.2	3	**6.5**	39	3	**210.135.30-02.2**	**210.135.30M-02.2**
2.3	3	**7**	39	3	**210.135.30-02.3**	**210.135.30M-02.3**
2.4	3	**7**	39	3	**210.135.30-02.4**	**210.135.30M-02.4**
2.5	3	**7.5**	39	3	**210.135.30-02.5**	**210.135.30M-02.5**
2.6	3	**7.5**	39	3	**210.135.30-02.6**	**210.135.30M-02.6**
2.7	3	**8**	39	3	**210.135.30-02.7**	**210.135.30M-02.7**
2.8	3	**8**	39	3	**210.135.30-02.8**	**210.135.30M-02.8**
2.9	3	**8.5**	39	3	**210.135.30-02.9**	**210.135.30M-02.9**

INFO Tech
>>> p 139

MICRO fraises

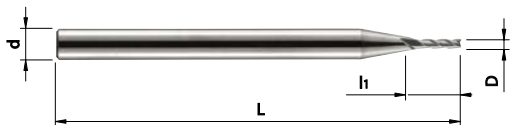
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	3	6	3	0	M	210.136.30	210.136.30M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 30° γ ~10°		PSNM		



OPTI micro

l1 = 5 x D

Type N

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.5	3	**2.5**	39	3	**210.136.30-00.5**	**210.136.30M-00.5**
0.6	3	**3**	39	3	**210.136.30-00.6**	**210.136.30M-00.6**
0.7	3	**3.5**	39	3	**210.136.30-00.7**	**210.136.30M-00.7**
0.8	3	**4**	39	3	**210.136.30-00.8**	**210.136.30M-00.8**
0.9	3	**4.5**	39	3	**210.136.30-00.9**	**210.136.30M-00.9**
1	3	**5**	39	3	**210.136.30-01**	**210.136.30M-01**
1.2	3	**6**	39	3	**210.136.30-01.2**	**210.136.30M-01.2**
1.5	3	**7.5**	39	3	**210.136.30-01.5**	**210.136.30M-01.5**
2	3	**10**	39	3	**210.136.30-02**	**210.136.30M-02**

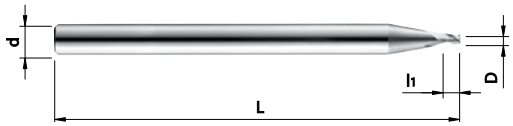
INFO tech

>>> *p* 139

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	3	1	6	00	M	210.131.600	210.131.600M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 38° γ ~5°		PSNM		



VARIA cut

nouveau

l1 = 1.5 x D

Profil ASYMETRIQUE

Norme OPTI

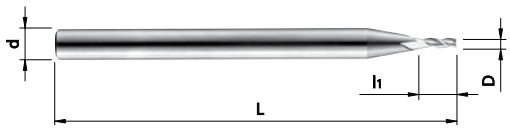
$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.45**	39	3	**210.131.600-00.3**	**210.131.600M-00.3**
0.4	3	**0.6**	39	3	**210.131.600-00.4**	**210.131.600M-00.4**
0.5	3	**0.75**	39	3	**210.131.600-00.5**	**210.131.600M-00.5**
0.6	3	**0.9**	39	3	**210.131.600-00.6**	**210.131.600M-00.6**
0.7	3	**1.05**	39	3	**210.131.600-00.7**	**210.131.600M-00.7**
0.8	3	**1.2**	39	3	**210.131.600-00.8**	**210.131.600M-00.8**
0.9	3	**1.35**	39	3	**210.131.600-00.9**	**210.131.600M-00.9**
1	3	**1.5**	39	3	**210.131.600-01**	**210.131.600M-01**
1.1	3	**1.65**	39	3	**210.131.600-01.1**	**210.131.600M-01.1**
1.2	3	**1.8**	39	3	**210.131.600-01.2**	**210.131.600M-01.2**
1.4	3	**2.1**	39	3	**210.131.600-01.4**	**210.131.600M-01.4**
1.5	3	**2.25**	39	3	**210.131.600-01.5**	**210.131.600M-01.5**
1.6	3	**2.4**	39	3	**210.131.600-01.6**	**210.131.600M-01.6**
1.8	3	**2.7**	39	3	**210.131.600-01.8**	**210.131.600M-01.8**
2	3	**3**	39	3	**210.131.600-02**	**210.131.600M-02**
2.5	3	**3.75**	39	3	**210.131.600-02.5**	**210.131.600M-02.5**

INFO Tech
>>> p 139

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	3	5	6	00	M	210.135.600	210.135.600M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 38° γ ~5°		PSNM		



VARIA cut

nouveau

l1 = 3 x D

Profil ASYMETRIQUE

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.9**	39	3	**210.135.600-00.3**	**210.135.600M-00.3**
0.4	3	**1.2**	39	3	**210.135.600-00.4**	**210.135.600M-00.4**
0.5	3	**1.5**	39	3	**210.135.600-00.5**	**210.135.600M-00.5**
0.6	3	**1.8**	39	3	**210.135.600-00.6**	**210.135.600M-00.6**
0.7	3	**2.1**	39	3	**210.135.600-00.7**	**210.135.600M-00.7**
0.8	3	**2.4**	39	3	**210.135.600-00.8**	**210.135.600M-00.8**
0.9	3	**2.7**	39	3	**210.135.600-00.9**	**210.135.600M-00.9**
1	3	**3**	39	3	**210.135.600-01**	**210.135.600M-01**
1.1	3	**3.3**	39	3	**210.135.600-01.1**	**210.135.600M-01.1**
1.2	3	**3.6**	39	3	**210.135.600-01.2**	**210.135.600M-01.2**
1.4	3	**4.2**	39	3	**210.135.600-01.4**	**210.135.600M-01.4**
1.5	3	**4.5**	39	3	**210.135.600-01.5**	**210.135.600M-01.5**
1.6	3	**4.8**	39	3	**210.135.600-01.6**	**210.135.600M-01.6**
1.8	3	**5.4**	39	3	**210.135.600-01.8**	**210.135.600M-01.8**
2	3	**6**	39	3	**210.135.600-02**	**210.135.600M-02**
2.5	3	**7.5**	39	3	**210.135.600-02.5**	**210.135.600M-02.5**

INFO Tech
>>> *p* 139

MICRO fraises

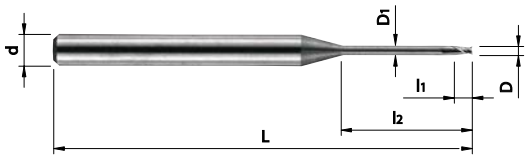
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	3	8	60	0	M	210.138.600	210.138.600M
MD HM/SC MG KX10	MICRO fraises MIKRO Fräser MICRO end mills MICRO frese			Z3		λ 38° γ ~5°		PSNM		



VARIA cut

nouveau

l1 = 1.5 x D

Profil ASYMETRIQUE

Norme OPTI

$D_{+/-0.01}$	l_2	l_1	$D_{1\ -0.02/-0.05}$	d_{h5}	L	Z	Non revêtu	Revêtu PSNM
0.3	**2**	0.45	0.3	3	39	3	**210.138.600-0.3-02**	**210.138.600M-0.3-2**
0.4	**2**	0.6	0.4	3	39	3	**210.138.600-0.4-02**	**210.138.600M-0.4-2**
0.4	**4**	0.6	0.4	3	39	3	**210.138.600-0.4-04**	**210.138.600M-0.4-4**
0.5	**4**	0.75	0.5	3	39	3	**210.138.600-0.5-04**	**210.138.600M-0.5-4**
0.5	**6**	0.75	0.5	3	39	3	**210.138.600-0.5-06**	**210.138.600M-0.5-6**
0.6	**4**	0.9	0.6	3	39	3	**210.138.600-0.6-04**	**210.138.600M-0.6-4**
0.6	**6**	0.9	0.6	3	39	3	**210.138.600-0.6-06**	**210.138.600M-0.6-6**
0.7	**4**	1.05	0.7	3	39	3	**210.138.600-0.7-04**	**210.138.600M-0.7-4**
0.7	**6**	1.05	0.7	3	39	3	**210.138.600-0.7-06**	**210.138.600M-0.7-6**
0.8	**4**	1.2	0.8	3	39	3	**210.138.600-0.8-04**	**210.138.600M-0.8-4**
0.8	**6**	1.2	0.8	3	39	3	**210.138.600-0.8-06**	**210.138.600M-0.8-6**
0.8	**9**	1.2	0.8	3	39	3	**210.138.600-0.8-09**	**210.138.600M-0.8-9**
1	**6**	1.5	1	3	39	3	**210.138.600-1.0-06**	**210.138.600M-1-06**
1	**9**	1.5	1	3	39	3	**210.138.600-1.0-09**	**210.138.600M-1-09**
1	**12**	1.5	1	3	39	3	**210.138.600-1.0-12**	**210.138.600M-1-12**
1.2	**6**	1.8	1.2	3	39	3	**210.138.600-1.2-06**	**210.138.600M-1.2-6**
1.2	**9**	1.8	1.2	3	39	3	**210.138.600-1.2-09**	**210.138.600M-1.2-9**
1.2	**12**	1.8	1.2	3	39	3	**210.138.600-1.2-12**	**210.138.600M-12-12**
1.5	**9**	2.25	1.5	3	39	3	**210.138.600-1.5-09**	**210.138.600M-1.5-9**
1.5	**12**	2.25	1.5	3	39	3	**210.138.600-1.5-12**	**210.138.600M-15-12**
2	**9**	3	2	3	39	3	**210.138.600-2.0-09**	**210.138.600M-2-09**
2	**12**	3	2	3	39	3	**210.138.600-2.0-12**	**210.138.600M-2-12**

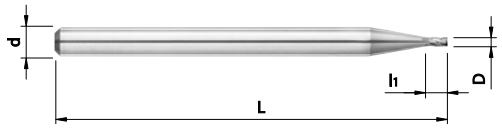
INFO Tech

>>> p 138

MICRO fraises

Micro fraises
Mikro Fräser
Micro end mills
Micro frese

2	1	0	1	4	2	6	00	M	210.142.600	210.142.600M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z4		λ 38° γ ~5°		PSNM		



VARIA cut

nouveau

l1 = 2 x D

Type NS

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.3	3	**0.6**	39	4	**210.142.600-00.3**	**210.142.600M-00.3**
0.4	3	**0.8**	39	4	**210.142.600-00.4**	**210.142.600M-00.4**
0.5	3	**1**	39	4	**210.142.600-00.5**	**210.142.600M-00.5**
0.6	3	**1.2**	39	4	**210.142.600-00.6**	**210.142.600M-00.6**
0.8	3	**1.6**	39	4	**210.142.600-00.8**	**210.142.600M-00.8**
1	3	**2**	39	4	**210.142.600-01**	**210.142.600M-01**
1.2	3	**2.4**	39	4	**210.142.600-01.2**	**210.142.600M-01.2**
1.5	3	**3**	39	4	**210.142.600-01.5**	**210.142.600M-01.5**
1.8	3	**3.6**	39	4	**210.142.600-01.8**	**210.142.600M-01.8**
2	3	**4**	39	4	**210.142.600-02**	**210.142.600M-02**

INFO Tech
>>> *p* 139

MICRO fraises

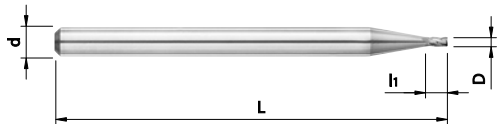
Micro fraises

Mikro Fräser

Micro end mills

Micro frese

2	1	0	1	4	5	6	00	M	210.145.600	210.145.600M
MD HM/SC MG KX10	**MICRO fraises** MIKRO Fräser MICRO end mills MICRO frese			Z4		λ 38° γ ~5°		PSNM		



VARIA cut

nouveau

l1 = 3 x D

Profil ASYMETRIQUE

Norme OPTI

$D_{+/-0.01}$	d_{h5}	l_1	L	Z	Non revêtu	Revêtu PSNM
0.5	3	**1.5**	39	4	**210.145.600-00.5**	**210.145.600M-00.5**
0.6	3	**1.8**	39	4	**210.145.600-00.6**	**210.145.600M-00.6**
0.8	3	**2.4**	39	4	**210.145.600-00.8**	**210.145.600M-00.8**
1	3	**3**	39	4	**210.145.600-01**	**210.145.600M-01**
1.2	3	**3.6**	39	4	**210.145.600-01.2**	**210.145.600M-01.2**
1.5	3	**4.5**	39	4	**210.145.600-01.5**	**210.145.600M-01.5**
1.8	3	**5.4**	39	4	**210.145.600-01.8**	**210.145.600M-01.8**
2	3	**6**	39	4	**210.145.600-02**	**210.145.600M-02**
2.5	3	**7.5**	39	4	**210.145.600-02.5**	**210.145.600M-02.5**

INFO Tech
>>> *p* 139