

$\varnothing d_1$ mm	$\varnothing d_2$ mm	$l_1$ mm	$l_2$ mm	EDP No.	Ti-NAMITE EDP No.	Ti-NAMITE-C EDP No.	Ti-NAMITE-A EDP No.
1	3	38	4	40106	48564	48586	48607
1,5	3	38	4,5	40110	48565	48587	48608
2	3	38	6,3	40114	48566	48588	48609
2,5	3	38	9,5	40118	48567	48589	48610
3	3	38	12	40122	48568	48590	48611
3,5	4	50	12	40126	48569	48591	48612
4	4	50	14	40130	48570	48592	48613
4,5	6	50	16	40134	48571	48593	48614
5	6	50	16	40138	48572	48594	48615
6	6	50	19	40142	48573	48595	48616
7	8	63	19	40146	48574	48596	48617
8	8	63	20	40150	48575	48597	48618
9	10	75	22	40154	48576	48598	48619
10	10	75	22	40158	48577	48599	48620
11	12	75	25	40162	48578	48600	48621
12	12	75	25	40166	48579	48601	48622
14	14	89	32	40170	48580	48602	48623
16	16	89	32	40174	48581	48603	48624
18	18	100	38	40178	48582	48604	48625
20	20	100	38	40182	48583	48605	48626
25	25	100	38	40186	48584	48606	48627

#### TOLERANCES

$\varnothing d_1 = +0,000 - 0,05$   
 $\varnothing d_2 = +0,000 - 0,01$

#### GB

##### 4 Flute End Mills - Ball End

*Micrograin Solid Carbide*

30° Right Hand Spiral - Right Hand Cutting

- Center Cutting

#### ES

##### Fresas de 4 labios - Punta radial o esférica

*Metal duro con micrograno*

Hélice a derecha 30° - Corte a derecha

- Corte al centro

#### FR

##### Fraise 4 dents - Bout hémisphérique

*Carbure monobloc, micrograin*

Hélice à droite, 30° - coupe à droite

- Coupe au centre

#### PT

##### Fresas de topo de 4 navalhas/cortes

- Topo boleado/esférico

*Metal duro-microgrão*

Espiral de 30° à direita - Corte à direita

- Corte central

#### IT

##### Frese raggiate a 4 tagli - Testa semisferica

*Micrograna*

Elica destra a 30° - Taglio destrorso - Taglio al centro

#### DE

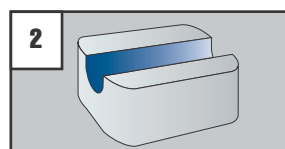
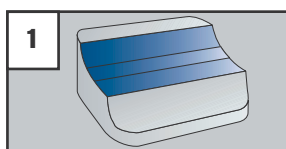
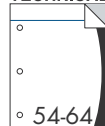
##### Schaftfräser, 4 Schneiden - Rundstirn

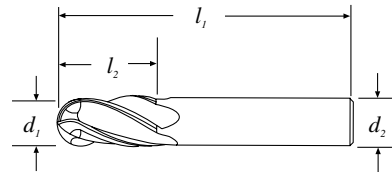
*Vollhartmetall, Feinstkorn*

30° Rechtsdrill - Rechtsschneidend

- Zentrumschnitt

#### TECHNICAL





**E**

**Series 1B**

**4 Flute End Mills - Ball End**

*Micrograin Solid Carbide*

30° Right Hand Spiral - Right Hand Cutting

- Center Cutting

**ES**

**Serie 1B**

**Fresas de 4 filos - Punta radial o esférica**

*Carburo sólido con micrograno*

Hélice a derecha 30° - Corte a derecha

- Corte al centro

**FR**

**Fraise 4 dents - Bout hémisphérique**

*Carbure monobloc, micrograin*

Hélice à droite, 30° - coupe à droite

- Coupe au centre

Cutting Diameter $d_1$	Length of Cut $l_2$	Overall Length $l_1$	Shank Diameter $d_2$	Uncoated EDP No.	Ti-NAMITE (TiN) EDP No.	Ti-NAMITE-C (TiCN) EDP No.	Ti-NAMITE-A (AlTiN) EDP No.
1/64	1/32	1-1/2	1/8	30102	39102	39002	30031
1/32	5/64	1-1/2	1/8	30104	39104	39004	30032
3/64	7/64	1-1/2	1/8	30106	39106	39006	30033
1/16	3/16	1-1/2	1/8	30108	39108	39008	30034
5/64	3/16	1-1/2	1/8	30110	39110	39010	30035
3/32	9/32	1-1/2	1/8	30112	39112	39012	30036
7/64	3/8	1-1/2	1/8	30114	39114	39014	30037
1/8	3/8	1-1/2	1/8	30178	39178	39078	30069
1/8	1/2	1-1/2	1/8	30116	39116	39016	30038
9/64	1/2	2	3/16	30118	39118	39018	30039
5/32	1/2	2	3/16	30120	39120	39020	30040
11/64	5/8	2	3/16	30122	39122	39022	30041
3/16	5/8	2	3/16	30124	39124	39024	30042
13/64	5/8	2-1/2	1/4	30126	39126	39026	30043
7/32	5/8	2-1/2	1/4	30128	39128	39028	30044
15/64	3/4	2-1/2	1/4	30130	39130	39030	30045
1/4	3/4	2-1/2	1/4	30132	39132	39032	30046
17/64	3/4	2-1/2	5/16	30134	39134	39034	30047
9/32	3/4	2-1/2	5/16	30136	39136	39036	30048
19/64	13/16	2-1/2	5/16	30138	39138	39038	30049
5/16	13/16	2-1/2	5/16	30140	39140	39040	30050
21/64	1	2-1/2	3/8	30142	39142	39042	30051
11/32	1	2-1/2	3/8	30144	39144	39044	30052
23/64	1	2-1/2	3/8	30146	39146	39046	30053
3/8	1	2-1/2	3/8	30148	39148	39048	30054
25/64	1	2-3/4	7/16	30150	39150	39050	30055
13/32	1	2-3/4	7/16	30152	39152	39052	30056
27/64	1	2-3/4	7/16	30154	39154	39054	30057
7/16	1	2-3/4	7/16	30156	39156	39056	30058
29/64	1	3	1/2	30158	39158	39058	30059
15/32	1	3	1/2	30160	39160	39060	30060
31/64	1	3	1/2	30162	39162	39062	30061
1/2	1	3	1/2	30164	39164	39064	30062
9/16	1-1/8	3-1/2	9/16	30166	39166	39066	30063
5/8	1-1/4	3-1/2	5/8	30168	39168	39068	30064
11/16	1-3/8	4	3/4	30170	39170	39070	30065
3/4	1-1/2	4	3/4	30172	39172	39072	30066
7/8	1-1/2	4	7/8	30174	39174	39074	30067
1	1-1/2	4	1	30176	39176	39076	30068

**TOLERANCES**

$d_1 = +.000 - .002$   
 $d_2 = -.0001 - .0004$