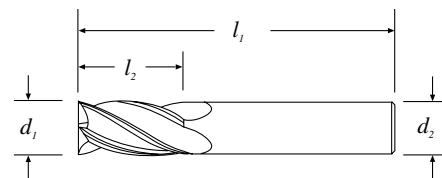


16M



GB

16M End Mills - Square End Micrograin Solid Carbide

4 Flute - Short Length - 30° Right Hand Spiral
- Right Hand Cutting - Center Cutting

17M End Mills - Square End

2 Flute - Short Length - 30° Right Hand Spiral
- Right Hand Cutting - Center Cutting

ES

Fresas 16M - Punta plana Metal duro con micrograno

4 labios - Serie corta - Hélice a derecha 30°
- Corte a derecha - Corte al centro

Fresas 17M - Punta plana

2 labios - Serie corta - Hélice a derecha 30°
- Corte a derecha - Corte al centro

FR

Fraises 16M - Bout plat Carbure monobloc, micrograin

4 dents - Courtes - Hélice à droite, 30°
- Coupe à droite - Coupe au centre

Fraises 17M - Bout plat

2 dents - Courtes - Hélice à droite, 30°
- Coupe à droite - Coupe au centre

PT

Fresas 16M - Topo direito/reto Metal duro microgrão

4 navalhas/cortes - Série curta
- Espiral de 30° à direita
- Corte à direita - Corte central

Fresas 17M - Topo direito/reto

2 navalhas/cortes - Série curta - Espiral de 30° à direita - Corte à direita - Corte Central

IT

Frese 16M - Testa piana Micrograna

Serie extra corta - Frese testa piana e semisferica
a 4 tagli - Elica destra a 30° - Taglio destrorso
- Taglio al centro

Frese 17M - Testa piana

a 2 tagli - Elica destra a 30° - Taglio destrorso
- Taglio al centro

DE

Schaftfräser 16M - Flachstirn Vollhartmetall, Feinstkorn

Kurze Schneiden - und Gesamtlänge
4 Schneiden - 30° Rechtsdrall
- Rechtsschneidend - Zentrumschnitt

Schaftfräser 17M - Flachstirn

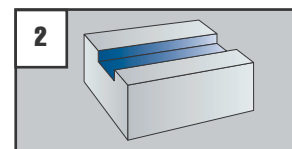
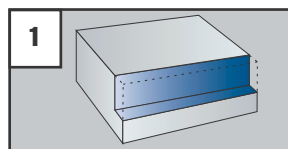
2 Schneiden - 30° Rechtsdrall
- Rechtsschneidend - Zentrumschnitt



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

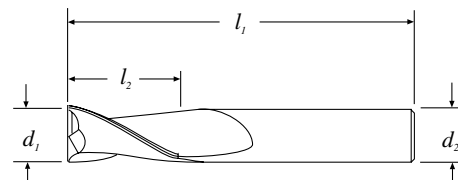


$\varnothing d_1$ mm	$\varnothing d_2$ mm	l_1 mm	l_2 mm	EDP No.	Ti-NAMITE EDP No.	Ti-NAMITE-C EDP No.	Ti-NAMITE-A EDP No.
1	3	38	2	41605	49136	49157	49178
1,5	3	38	3	41609	49137	49158	49179
2	3	38	4	41613	49138	49159	49180
2,5	3	38	5	41617	49139	49160	49181
3	3	38	6	41621	49140	49161	49182
3,5	4	50	7	41625	49141	49162	49183
4	4	50	8	41629	49142	49163	49184
4,5	4,5	50	9,5	41633	49143	49164	49185
5	5	50	10	41637	49144	49165	49186
6	6	50	12	41641	49145	49166	49187
7	8	50	12	41645	49146	49167	49188
8	8	50	12	41649	49147	49168	49189
9	9	50	14	41653	49148	49169	49190
10	10	50	16	41657	49149	49170	49191
11	12	63	19	41661	49150	49171	49192
12	12	63	19	40165	49151	49172	49193

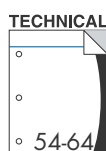


17M

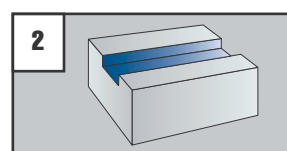
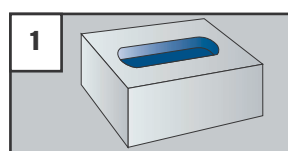
17M



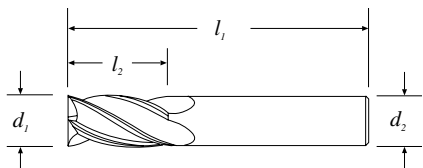
TOLERANCES	
$\varnothing d_1 = +0,000 - 0,05$	
$\varnothing d_2 = +0,000 - 0,01$	



$\varnothing d_1$ 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	2	41705	49262	49283	49304
1,5	3	38	3	41709	49263	49284	49305
2	3	38	4	41713	49264	49285	49306
2,5	3	38	5	41717	49265	49286	49307
3	3	38	6	41721	49266	49287	49308
3,5	4	50	7	41725	49267	49288	49309
4	4	50	8	41729	49268	49289	49310
4,5	4,5	50	9,5	41733	49269	49290	49311
5	5	50	10	41737	49270	49291	49312
6	6	50	12	41741	49271	49292	49313
7	8	50	12	41745	49272	49293	49314
8	8	50	12	41749	49273	49294	49315
9	9	50	14	41753	49274	49295	49316
10	10	50	16	41757	49275	49296	49317
11	12	63	19	41761	49276	49297	49318
12	12	63	19	41765	49277	49298	49319



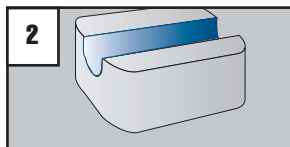
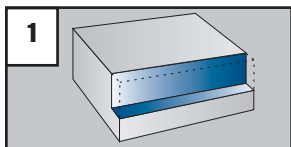
16



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.
1/16	1/8	1-1/2	1/8	31601	31650	31238	31251
3/32	3/16	1-1/2	1/8	31603	31651	31239	31252
1/8	1/4	1-1/2	1/8	31605	31652	31240	31253
5/32	5/16	2	3/16	31607	31653	31241	31254
3/16	3/8	2	3/16	31609	31654	31242	31255
7/32	7/16	2	1/4	31611	31655	31243	31256
1/4	1/2	2	1/4	31613	31656	31244	31257
5/16	1/2	2	5/16	31615	31657	31245	31258
3/8	5/8	2	3/8	31617	31658	31246	31259
7/16	5/8	2-1/2	7/16	31619	31659	31247	31260
1/2	5/8	2-1/2	1/2	31621	31660	31248	31261
5/8	3/4	3	5/8	31623	31661	31249	31262
3/4	1	3	3/4	31625	31662	31250	31263

TOLERANCES

$d_1 = +.0000-.002$
 $d_2 = -.0001-.0004$



E

Series 16 End Mills - Square End Micrograin Solid Carbide

4 Flute - Short Length - 30° Right Hand Spiral
 - Right Hand Cutting - Center Cutting

ES

Fresas Serie 16 - Punta plana Carburo sólido con micrograno

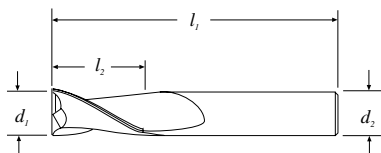
4 filos - Serie corta - Hélice a derecha 30°
 - Corte a derecha - Corte al centro

FR

Fraises Série 16 - Bout plat Carbure monobloc, micrograin

4 dents - Courtes - Hélice à droite, 30°
 - Coupe à droite - Coupe au centre

17



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.
1/16	1/8	1-1/2	1/8	31701	31750	31303	31358
3/32	3/16	1-1/2	1/8	31703	31751	31304	31359
1/8	1/4	1-1/2	1/8	31705	31752	31305	31360
5/32	5/16	2	3/16	31707	31753	31306	31361
3/16	3/8	2	3/16	31709	31754	31307	31362
7/32	7/16	2	1/4	31711	31755	31308	31363
1/4	1/2	2	1/4	31713	31756	31309	31364
5/16	1/2	2	5/16	31715	31757	31310	31365
3/8	5/8	2	3/8	31717	31758	31311	31366
7/16	5/8	2-1/2	7/16	31719	31759	31312	31367
1/2	5/8	2-1/2	1/2	31721	31760	31313	31368
5/8	3/4	3	5/8	31723	31761	31314	31369
3/4	1	3	3/4	31725	31762	31315	31370

TOLERANCES

$d_1 = +.0000-.002$
 $d_2 = -.0001-.0004$

E

Series 17 End Mills - Square End Micrograin Solid Carbide

2 Flute - Short Length - 30° Right Hand Spiral
 - Right Hand Cutting - Center Cutting

ES

Fresas Serie 17 - Punta plana Carburo sólido con micrograno

2 filos - Serie corta - Hélice a derecha 30°
 - Corte a derecha - Corte al centro

FR

Fraises Série 17 - Bout plat Carbure monobloc, micrograin

2 dents - Courtes - Hélice à droite, 30°
 - Coupe à droite - Coupe au centre

1