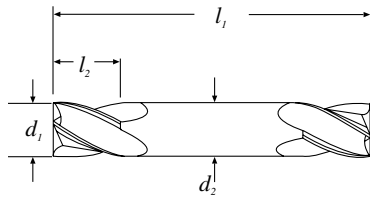


# 14M, 14MB

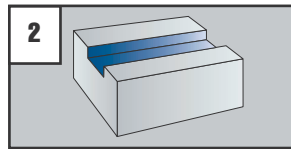
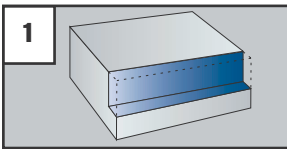
## 14M



$\varnothing d_1$ 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	41405	48884	48905	48926
1,5	3	38	3	41409	48885	48906	48927
2	3	38	4	41413	48886	48907	48928
2,5	3	38	5	41417	48887	48908	48929
3	3	38	6	41421	48888	48909	48930
3,5	4	50	7	41425	48889	48910	48931
4	4	50	8	41429	48890	48911	48932
4,5	4,5	63	9,5	41433	48891	48912	48933
5	5	63	10	41437	48892	48913	48934
6	6	63	12	41441	48893	48914	48935
7	8	63	12	41445	48894	48915	48936
8	8	63	12	41449	48895	48916	48937
9	9	75	14	41453	48896	48917	48938
10	10	75	14	41457	48897	48918	48939
11	12	75	14	41461	48898	48919	48940
12	12	75	16	41465	48899	48920	48941



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



**GB**

**14M End Mills - Double End - Square End**  
**14MB End Mills - Double End - Ball End**  
**Micrograin Solid Carbide**  
4 Flute - Short Length - 30° Right Hand Spiral  
- Right Hand Cutting - Center Cutting

**ES**

**Fresas 14M - Doble punta - Punta plana**  
**Fresas 14MB - Doble punta - Punta radial o esférica** *Metal duro con micrograno*  
4 labios - Serie corta - Hélice a derecha 30°  
- Corte a derecha - Corte al centro

**FR**

**Fraises 14M - Taillée aux 2 bouts - Bout plat**  
**Fraises 14MB - Taillée aux 2 bouts - Bout hémisphérique**  
*Carbure monobloc, micrograin*  
4 dents - Courtes - Hélice à droite, 30°  
- Coupe à droite - Coupe au centre

**PT**

**Fresas 14M - Dois topos - Topo direito/reto**  
**Fresas 14MB - Dois topos - Topo boleado/esférico** *Metal duro microgrão*  
4 navalhas/cortes - Extremidade dupla  
- Série curta - Espiral de 30° à direita  
- Corte à direita - Corte central

**IT**

**Frese 14M - Testa piana**  
**Frese 14MB - Testa semisferica**  
*Micrograna*  
Serie extra corta - Frese doppie con testa piana e semisferica a 4 tagli - Elica destra a 30°  
- Taglio destrorso - Taglio al centro

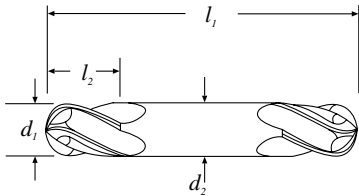
**DE**

**Schaftfräser 14M - Mit 2 Schneidköpfen - Flachstirn**  
**Schaftfräser 14MB - Mit 2 Schneidköpfen - Rundstirn**  
*Vollhartmetall, Feinstkorn*  
4 Schneiden - 30° Rechtsdrall  
- Rechtsschneidend - Zentrumschnitt

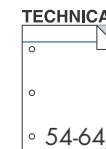
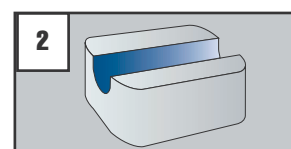
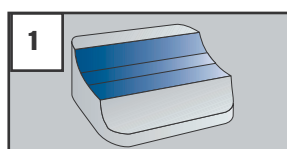


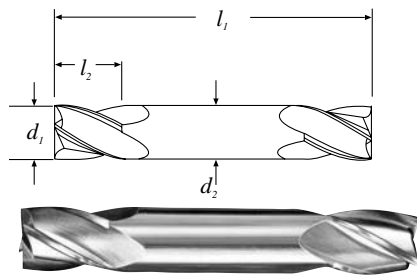
TOLERANCES
$\varnothing d_1 = +0,000 - 0,05$
$\varnothing d_2 = +0,000 - 0,01$

## 14MB



$\varnothing d_1$ 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	41406	48947	48968	48989
1,5	3	38	3	41410	48948	48969	48990
2	3	38	4	41414	48949	48970	48991
2,5	3	38	5	41418	48950	48971	48992
3	3	38	6	41422	48951	48972	48993
3,5	4	50	7	41426	48952	48973	48994
4	4	50	8	41430	48953	48974	48995
4,5	4,5	63	9,5	41434	48954	48975	48996
5	5	63	10	41438	48955	48976	48997
6	6	63	12	41442	48956	48977	48998
7	8	63	12	41446	48957	48978	48999
8	8	63	12	41450	48958	48979	49000
9	9	75	14	41454	48959	48980	49001
10	10	75	14	41458	48960	48981	49002
11	12	75	14	41462	48961	48982	49003
12	12	75	16	41466	48962	48983	49004





**E**

**Series 14 End Mills - Double End  
- Square End**

**Series 14B End Mills - Double End  
- Ball End**

**Micrograin Solid Carbide**

4 Flute - Short Length - 30° Right Hand

Spiral - Right Hand Cutting - Center Cutting

**ES**

**Fresas Serie 14 - Doble punta  
- Punta plana**

**Fresas Serie 14B - Doble punta  
- Punta radial o esférica**

**Carburo sólido con micrograno**

4 filos - Serie corta - Hélice a derecha 30°

- Corte a derecha - Corte al centro

**FR**

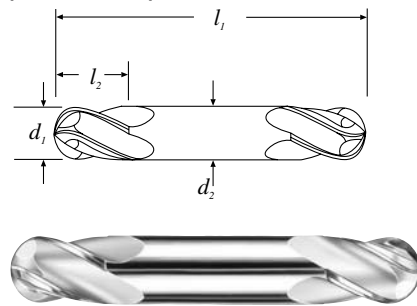
**Fraises Série 14 - Tailée aux 2 bouts  
- Bout plat**

**Fraises Série 14B - Tailée aux 2 bouts  
- Bout hémisphérique**

**Carbure monobloc, micrograin**

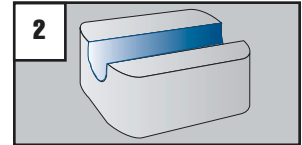
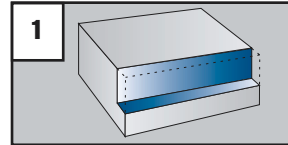
4 dents - Courtes - Hélice à droite, 30°

- Coupe à droite - Coupe au centre



## 14

Cutting Diameter $d_1$	Length of Cut $l_2$	Overall Length $l_1$	Shank Diameter $d_2$	Uncoated	Ti-NAMITE	Ti-NAMITE-C	Ti-NAMITE-A
				EDP No.	(TiN) EDP No.	(TiCN) EDP No.	(AlTiN) EDP No.
1/32	1/16	1-1/2	1/8	31401	31441	39601	31170
3/64	3/32	1-1/2	1/8	31403	31443	39603	31171
1/16	1/8	1-1/2	1/8	31405	31445	39605	31172
5/64	1/8	1-1/2	1/8	31407	31447	39607	31173
3/32	3/16	1-1/2	1/8	31409	31449	39609	31174
7/64	3/16	1-1/2	1/8	31411	31451	39611	31175
1/8	1/4	1-1/2	1/8	31413	31453	39613	31176
9/64	5/16	2	3/16	31415	31455	39615	31177
5/32	5/16	2	3/16	31417	31457	39617	31178
11/64	5/16	2	3/16	31419	31459	39619	31179
3/16	3/8	2	3/16	31421	31461	39621	31180
13/64	1/2	2-1/2	1/4	31423	31463	39623	31181
7/32	1/2	2-1/2	1/4	31425	31465	39625	31182
15/64	1/2	2-1/2	1/4	31427	31467	39627	31183
1/4	1/2	2-1/2	1/4	31429	31469	39629	31184
9/32	1/2	2-1/2	5/16	31431	31471	39631	31185
5/16	1/2	2-1/2	5/16	31433	31473	39633	31186
3/8	9/16	2-1/2	3/8	31435	31475	39635	31187
7/16	9/16	2-3/4	7/16	31437	31477	39637	31188
1/2	5/8	3	1/2	31439	31479	39639	31189



## 14B

Cutting Diameter $d_1$	Length of Cut $l_2$	Overall Length $l_1$	Shank Diameter $d_2$	Uncoated	Ti-NAMITE	Ti-NAMITE-C	Ti-NAMITE-A
				EDP No.	(TiN) EDP No.	(TiCN) EDP No.	(AlTiN) EDP No.
1/32	1/16	1-1/2	1/8	31402	31442	39602	31218
3/64	3/32	1-1/2	1/8	31404	31444	39604	31219
1/16	1/8	1-1/2	1/8	31406	31446	39606	31220
5/64	1/8	1-1/2	1/8	31408	31448	39608	31221
3/32	3/16	1-1/2	1/8	31410	31450	39610	31222
7/64	3/16	1-1/2	1/8	31412	31452	39612	31223
1/8	1/4	1-1/2	1/8	31414	31454	39614	31224
9/64	5/16	2	3/16	31416	31456	39616	31225
5/32	5/16	2	3/16	31418	31458	39618	31226
11/64	5/16	2	3/16	31420	31460	39620	31227
3/16	3/8	2	3/16	31422	31462	39622	31228
13/64	1/2	2-1/2	1/4	31424	31464	39624	31229
7/32	1/2	2-1/2	1/4	31426	31466	39626	31230
15/64	1/2	2-1/2	1/4	31428	31468	39628	31231
1/4	1/2	2-1/2	1/4	31430	31470	39630	31232
9/32	1/2	2-1/2	5/16	31432	31472	39632	31233
5/16	1/2	2-1/2	5/16	31434	31474	39634	31234
3/8	9/16	2-1/2	3/8	31436	31476	39636	31235
7/16	9/16	2-3/4	7/16	31438	31478	39638	31236
1/2	5/8	3	1/2	31440	31480	39640	31237

TECHNICAL

