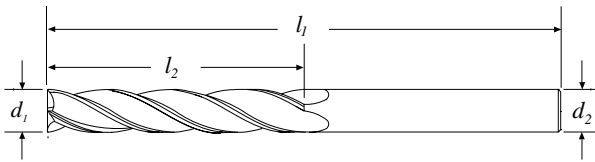


1XLM, 1XLMB

1XLM

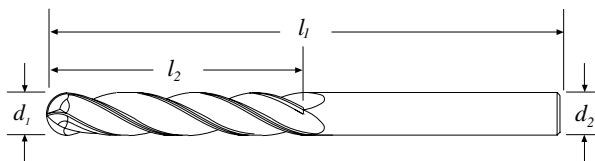


$\varnothing d_1$ mm	$\varnothing d_2$ mm	l_1 mm	l_2 mm	EDP No.	Ti-NAMITE EDP No.	Ti-NAMITE-C EDP No.	Ti-NAMITE-A EDP No.
3	3	75	25	43101	49388	49401	49414
4	4	75	25	43103	49389	49402	49415
5	5	75	25	43107	49391	49404	49417
6	6	75	25	43105	49390	49403	49416
8	8	75	25	43115	49392	49405	49418
10	10	100	38	43125	49393	49406	49419
12	12	100	50	43135	49394	49407	49420
12	12	150	75	43145	49395	49408	49421
14	14	150	75	43155	49396	49409	49422
16	16	150	75	43165	49397	49410	49423
18	18	150	75	43175	49398	49411	49424
20	20	150	75	43185	49399	49412	49425
25	25	150	75	43195	49400	49413	49426

TOLERANCES

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

1XLMB

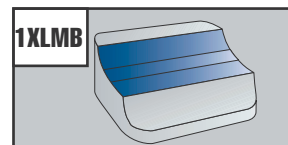
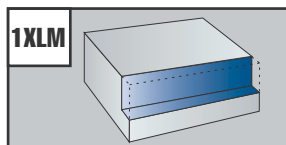
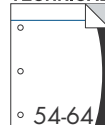


$\varnothing d_1$ mm	$\varnothing d_2$ mm	l_1 mm	l_2 mm	EDP No.	Ti-NAMITE EDP No.	Ti-NAMITE-C EDP No.	Ti-NAMITE-A EDP No.
3	3	75	25	43102	49505	49518	49531
4	4	75	25	43104	49506	49519	49532
5	5	75	25	43108	49508	49521	49534
6	6	75	25	43106	49507	49520	49533
8	8	75	25	43116	49509	49522	49535
10	10	100	38	43126	49510	49523	49536
12	12	100	50	43136	49511	49524	49537
12	12	150	75	43146	49512	49525	49538
14	14	150	75	43156	49513	49526	49539
16	16	150	75	43166	49514	49527	49540
18	18	150	75	43176	49515	49528	49541
20	20	150	75	43186	49516	49529	49542
25	25	150	75	43196	49517	49530	49543

TOLERANCES

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

TECHNICAL



GB

1XLM End Mills - Square End
1XLMB End Mills - Ball End
Micrograin Solid Carbide

Extra Long Flute and Overall Length
- 4 Flute - 30° Right Hand Spiral - Right Hand
Cutting - Center Cutting

ES

Fresas 1XLM - Punta plana
Fresas 1XLMB - Punta radial o esférica
Metal duro con micrograno

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

FR

Fraises 1XLM - Bout plat
Fraises 1XLMB - Bout hémisphérique
Carbure monobloc, micrograin

Denture extra-longue et longueur totale accrue
- 4 dents - Hélice à droite, 30° - Coupe à droite
- Coupe au centre

PT

Fresas 1XLM - Topo direito/reto
Fresas 1XLMB - Topo boleado/esférico
Metal duro microgrão

4 Navalhas/cortes e comprimento geral extra longo
- Espiral de 30° à direita - Corte à direita
- Corte central

IT

Fresa 1XLM - Testa piana
Fresa 1XLMB - Testa semisferica
Micrograna

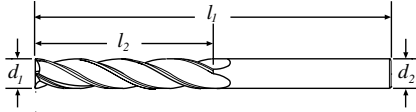
Serie extra lunga - Fresa testa piana e semisferica a 4 tagli
- Elica destra a 30° - Taglio destrorso - Taglio al centro

DE

Schaftfräser 1XLM - Flachstirn
Schaftfräser 1XLMB - Rundstirn
Vollhartmetall, Feinstkorn

Extralange Schneiden - und Gesamtlängen
4 Schneiden - 30° Rechtsdrall
- Rechtsschneidend - Zentrumschnitt

1EL



Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Uncoated	Ti-NAMITE (TiN)	Ti-NAMITE-C (TiCN)	Ti-NAMITE-A (AlTiN)
				EDP No.	EDP No.	EDP No.	EDP No.
1/8	1	3	1/8	33143	31860	31870	31880
3/16	1-1/8	3	3/16	33121	31861	31871	31881
1/4	1-1/2	4	1/4	33123	31862	31872	31882
5/16	1-5/8	4	5/16	33125	31863	31873	31883
3/8	1-3/4	4	3/8	33127	31864	31874	31884
7/16	3	6	7/16	33129	31865	31875	31885
1/2	3	6	1/2	33131	31866	31876	31886
5/8	3	6	5/8	33133	31867	31877	31887
3/4	3	6	3/4	33135	31868	31878	31888
1	3	6	1	33137	31869	31879	31889

TOLERANCES

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

E

Series 1EL - SQUARE END

Series 1ELB - BALL END

Micrograin Solid Carbide

Extra Long Flute and Overall Length
4 Flute - 30° Right Hand Spiral - Right Hand Cutting - Center Cutting

ES

Fresas serie 1EL - Punta plana

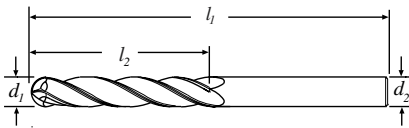
Fresas serie 1ELB - Punta esférica

Carburo sólido con micrograno

Serie extra larga

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

1ELB



Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Uncoated	Ti-NAMITE (TiN)	Ti-NAMITE-C (TiCN)	Ti-NAMITE-A (AlTiN)
				EDP No.	EDP No.	EDP No.	EDP No.
1/8	1	3	1/8	33144	31900	31918	31928
3/16	1-1/8	3	3/16	33122	31902	31919	31929
1/4	1-1/2	4	1/4	33124	31904	31920	31930
5/16	1-5/8	4	5/16	33126	31906	31921	31931
3/8	1-3/4	4	3/8	33128	31908	31922	31932
7/16	3	6	7/16	33130	31910	31923	31933
1/2	3	6	1/2	33132	31912	31924	31934
5/8	3	6	5/8	33134	31914	31925	31935
3/4	3	6	3/4	33136	31916	31926	31936
1	3	6	1	33138	31917	31927	31937

TOLERANCES

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

FR

Fraises à bout plat Série 1EL

Fraises à bout hémisphérique

Série 1ELB

Carbure monobloc micrograin

Denture extra-longue et longueur totale accrue

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