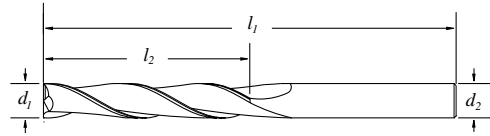


3XLM, 3XLMB

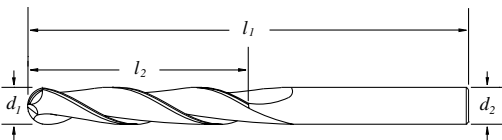
3XLM



$\varnothing d_1$ 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	43301	49427	49440	49453
4	4	75	25	43303	49428	49441	49454
5	5	75	25	43307	49430	49443	49456
6	6	75	25	43305	49429	49442	49455
8	8	75	25	43315	49431	49444	49457
10	10	100	38	43325	49432	49445	49458
12	12	100	50	43335	49433	49446	49459
12	12	150	75	43345	49434	49447	49460
14	14	150	75	43355	49435	49448	49461
16	16	150	75	43365	49436	49449	49462
18	18	150	75	43375	49437	49450	49463
20	20	150	75	43385	49438	49451	49464
25	25	150	75	43395	49439	49452	49465

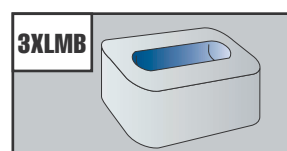
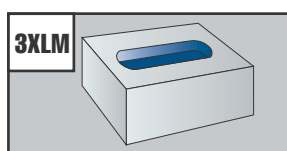
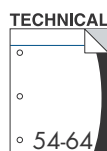
TOLERANCES
$\varnothing d_1 = +0,000 - 0,05$
$\varnothing d_2 = +0,000 - 0,01$

3XLMB



$\varnothing d_1$ 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	43302	49544	49557	49570
4	4	75	25	43304	49545	49558	49571
5	5	75	25	43308	49547	49560	49573
6	6	75	25	43306	49546	49559	49572
8	8	75	25	43316	49548	49561	49574
10	10	100	38	43326	49549	49562	49575
12	12	100	50	43336	49550	49563	49576
12	12	150	75	43346	49551	49564	49577
14	14	150	75	43356	49552	49565	49578
16	16	150	75	43366	49553	49566	49579
18	18	150	75	43376	49554	49567	49580
20	20	150	75	43386	49555	49568	49581
25	25	150	75	43396	49556	49569	49582

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



GB

3XLM End Mills - Square End 3XLMB End Mills - Ball End Micrograin Solid Carbide

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

ES

Fresas 3XLM - Punta plana Fresas 3XLMB - Punta radial o esférica Metal duro con micrograno

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

FR

Fraises 3XLM - Bout plat Fraises 3XLMB - Bout hémisphérique Carbure Monobloc, micrograin

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

PT

Fresas 3XLM - Topo direito/reto Fresas 3XLMB - Topo boleado/esférico Metal duro microgrão

Comprimento total e 2 navalhas/cortes extra longos
Espiral de 30° à direita - Corte à direita
- Corte central

IT

Frese 3XLM - Testa piana Frese 3XLMB - Testa emisferica Micrograna

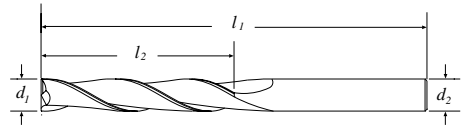
Serie extra lunga - Frese testa piana e emisferica a
2 tagli - Elica destra a 30° - Taglio destrorso
- Taglio al centro

DE

Schaftfräser 3XLM - Flachstirn Schaftfräser 3XLMB - Rundstirn Vollhartmetall, Feinstkorn

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

3EL



E

Series 3EL End Mills - Square End

Series 3ELB End Mills - Ball End

Micrograin Solid Carbide

Extra Long Flute and Overall Length

2 Flute - 30° Right Hand Spiral - Right Hand

Cutting - Center Cutting

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	33343	31938	31948	31958
3/16	1-1/8	3	3/16	33321	31939	31949	31959
1/4	1-1/2	4	1/4	33323	31940	31950	31960
5/16	1-5/8	4	5/16	33325	31941	31951	31961
3/8	1-3/4	4	3/8	33327	31942	31952	31962
7/16	3	6	7/16	33329	31943	31953	31963
1/2	3	6	1/2	33331	31944	31954	31964
5/8	3	6	5/8	33333	31945	31955	31965
3/4	3	6	3/4	33335	31946	31956	31966
1	3	6	1	33337	31947	31957	31967

ES

Fresas 3EL - Punta plana

Fresas 3ELB - Punta radial o esférica

Carburo sólido con micrograno

2 filos - Serie extra larga

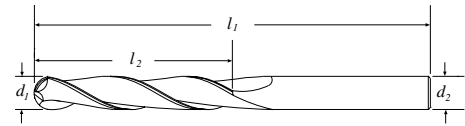
- Hélice a derecha 30° - Corte a derecha

- Corte al centro

TOLERANCES

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

3ELB



FR

Fraises 3EL - Bout plat

Fraises 3ELB - Bout hémisphérique

Carbure Monobloc, micrograin

Denture extra-longue et longueur totale accrue

- 2 dents - 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	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	33344	31968	31978	31988
3/16	1-1/8	3	3/16	33322	31969	31979	31989
1/4	1-1/2	4	1/4	33324	31970	31980	31990
5/16	1-5/8	4	5/16	33326	31971	31981	31991
3/8	1-3/4	4	3/8	33328	31972	31982	31992
7/16	3	6	7/16	33330	31973	31983	31993
1/2	3	6	1/2	33332	31974	31984	31994
5/8	3	6	5/8	33334	31975	31985	31995
3/4	3	6	3/4	33336	31976	31986	31996
1	3	6	1	33338	31977	31987	31997

TOLERANCES

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