

2 Flute - Single End - Corner Radius

E

Series 3CR - Corner Radius - Square End
Micrograin Solid Carbide
 2 Flute - 30° Right Hand Spiral - Right Hand Cutting -
 Center Cutting
 * Weldon Flat on Shank

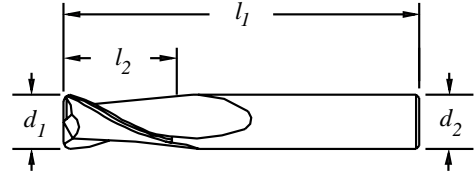


ES

Fresas serie 3CR - Radio en la punta - Punta plana
Carburo sólido con micrograno
 2 filos - Hélice a derecha 30° - Corte a derecha
 - Corte al centro
 * Zanco con Weldon

FR

Fraises Série 3CR - Rayon en bout - Bout Plat
Carbure Monobloc Micrograin
 2 dents - Hélice à droite 30°
 - Coupe à droite - Coupe au centre
 * Méplat Weldon sur queue



Nominal Cutting Diameter d_1	Actual Cutting Diameter	Shank Diameter d_2	Length of Cut l_2	Overall Length l_1	Uncoated 0.015 EDP No.	Uncoated 0.020 EDP No.	Uncoated 0.030 EDP No.	Uncoated 0.045 EDP No.	Uncoated 0.060 EDP No.	Uncoated 0.090 EDP No.	Uncoated 0.125 EDP No.
1/8	.1240-.1230	1/8	1/2	1-1/2	38201	38203					
3/16	.1865-.1855	3/16	5/8	2	38209	38211	38213				
1/4	.2490-.2480	1/4	3/4	2-1/2	38219	38221	38223	38225			
5/16	.3115-.3105	5/16	13/16	2-1/2	38231	38233	38235	38237			
* 3/8	.3740-.3730	3/8	1	2-1/2	38245	38247	38249	38251			
* 1/2	.4990-.4980	1/2	1	3	38259	38261	38263	38265	38267		
* 5/8	.6240-.6230	5/8	1-1/4	3-1/2	38273	38275	38277	38279	38281	38283	
* 3/4	.7490-.7480	3/4	1-1/2	4	38287	38289	38291	38293	38295	38297	38299
* 1	.9990-.9980	1	1-1/2	4	38301	38303	38305	38307	38309	38311	38313

Nominal Cutting Diameter d_1	Actual Cutting Diameter	Shank Diameter d_2	Length of Cut l_2	Overall Length l_1	TiN Ti-NAMITE 0.015 EDP No.	TiN Ti-NAMITE 0.020 EDP No.	TiN Ti-NAMITE 0.030 EDP No.	TiN Ti-NAMITE 0.045 EDP No.	TiN Ti-NAMITE 0.060 EDP No.	TiN Ti-NAMITE 0.090 EDP No.	TiN Ti-NAMITE 0.125 EDP No.
1/8	.1240-.1230	1/8	1/2	1-1/2	38202	38204					
3/16	.1865-.1855	3/16	5/8	2	38210	38212	38214				
1/4	.2490-.2480	1/4	3/4	2-1/2	38220	38222	38224	38226			
* 5/16	.3115-.3105	5/16	13/16	2-1/2	38232	38234	38236	38238			
* 3/8	.3740-.3730	3/8	1	2-1/2	38246	38248	38250	38252			
* 1/2	.4990-.4980	1/2	1	3	38260	38262	38264	38266	38268		
* 5/8	.6240-.6230	5/8	1-1/4	3-1/2	38274	38276	38278	38280	38282	38284	
* 3/4	.7490-.7480	3/4	1-1/2	4	38288	38290	38292	38294	38296	38298	38300
1	.9990-.9980	1	1-1/2	4	38302	38304	38306	38308	38310	38312	38314

TOLERANCES

$d_1 = -.001-.002$
 $d_2 = -.0001-.0004$
 $r = +.000-.002$

2 Flute - Single End - Corner Radius



E

Series 3CR - Corner Radius - Square End Micrograin Solid Carbide

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

* Weldon Flat on Shank

ES

Fresas serie 3CR - Radio en la punta - Punta Plana Carburo sólido con micrograno

2 filos - Hélice a derecha 30° - Corte a derecha

- Corte al centro

* Zanco con Weldon

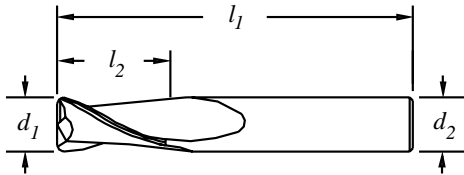
FR

Fraises Série 3CR - Rayon en bout - Bout plat Carbure Monobloc Micrograin

2 dents - Hélice à droite 30°

- Coupe à droite - Coupe au centre

* Méplat Weldon sur queue



Nominal Cutting Diameter d_1	Actual Cutting Diameter	Shank Diameter d_2	Length of Cut l_2	Overall Length l_1	(TiCN) Ti-NAMITE-C 0.015 EDP No.	(TiCN) Ti-NAMITE-C 0.020 EDP No.	(TiCN) Ti-NAMITE-C 0.030 EDP No.	(TiCN) Ti-NAMITE-C 0.045 EDP No.	(TiCN) Ti-NAMITE-C 0.060 EDP No.	(TiCN) Ti-NAMITE-C 0.090 EDP No.	(TiCN) Ti-NAMITE-C 0.125 EDP No.
1/8	.1240-.1230	1/8	1/2	1-1/2	38315	38316					
3/16	.1865-.1855	3/16	5/8	2	38317	38318	38319				
1/4	.2490-.2480	1/4	3/4	2-1/2	38320	38321	38322	38323			
5/16	.3115-.3105	5/16	13/16	2-1/2	38324	38325	38326	38327			
* 3/8	.3740-.3730	3/8	1	2-1/2	38328	38329	38330	38331			
* 1/2	.4990-.4980	1/2	1	3	38332	38333	38334	38335	38336		
* 5/8	.6240-.6230	5/8	1-1/4	3-1/2	38337	38338	38339	38340	38341	38342	
* 3/4	.7490-.7480	3/4	1-1/2	4	38343	38344	38345	38346	38347	38348	38349
* 1	.9990-.9980	1	1-1/2	4	38350	38351	38352	38353	38354	38355	38356

Nominal Cutting Diameter d_1	Actual Cutting Diameter	Shank Diameter d_2	Length of Cut l_2	Overall Length l_1	(AlTiN) Ti-NAMITE-A 0.015 EDP No.	(AlTiN) Ti-NAMITE-A 0.020 EDP No.	(AlTiN) Ti-NAMITE-A 0.030 EDP No.	(AlTiN) Ti-NAMITE-A 0.045 EDP No.	(AlTiN) Ti-NAMITE-A 0.060 EDP No.	(AlTiN) Ti-NAMITE-A 0.090 EDP No.	(AlTiN) Ti-NAMITE-A 0.125 EDP No.
1/8	.1240-.1230	1/8	1/2	1-1/2	38357	38358					
3/16	.1865-.1855	3/16	5/8	2	38359	38360	38361				
1/4	.2490-.2480	1/4	3/4	2-1/2	38362	38363	38364	38365			
5/16	.3115-.3105	5/16	13/16	2-1/2	38366	38367	38368	38369			
* 3/8	.3740-.3730	3/8	1	2-1/2	38370	38371	38372	38373			
* 1/2	.4990-.4980	1/2	1	3	38374	38375	38376	38377	38378		
* 5/8	.6240-.6230	5/8	1-1/4	3-1/2	38379	38380	38381	38382	38383	38384	
* 3/4	.7490-.7480	3/4	1-1/2	4	38385	38386	38387	38388	38389	38390	38391
* 1	.9990-.9980	1	1-1/2	4	38392	38393	38394	38395	38396	38397	38398

TOLERANCES

$d_1 = -.001-.002$
 $d_2 = -.0001-.0004$
 $r = +.000-.002$

1