



Five Flute End Mills

V-Carb 5 Flute End Mills for Finishing & Semi-Finishing

The Finishing Touch. Expect more from a Finishing Mill.

Produce exceptional results in semi-finish and finish milling applications. Tackle heavy milling tasks, including roughing and slotting.



Features & Benefits:

- Unique 5 flute geometry
- Certified premium micro-grain carbide
- Available in stub, regular and long flute lengths
- Corner radii improves strength
- Ti-NAMITE-A (AlTiN) coated for longer tool life
- Reduced harmonics
 - Improved finishes
 - Heavier stock removal
- Can be run at higher production rates
- Suitable for a variety of materials up to 45 Rc



Fresas V-Carb de 5 filos para acabado y semiacabado

El toque final. Espere mejores resultados de una fresa de acabado.

Produce resultados excepcionales en aplicaciones de fresado de semiacabado y acabado. Aborda tareas de fresado pesado, incluyendo desbastado y ranurado.

Características y ventajas:

- Geometría única de 5 filos
- Carburo de micrograno de calidad superior certificado
- Disponibles con canales cortos, normales y largos
- Las esquinas con radio aumentan la resistencia
- Recubiertas con Ti-NAMITE-A (AlTiN) para prolongar la vida útil de la herramienta
- Reducción en vibraciones
 - Acabados mejorados
 - Arranque de viruta más abundante
- Pueden funcionar con mayores rangos de producción
- Aptas para una amplia variedad de materiales de hasta 45 Rc

Fraises à rainurer V-Carb 5 goujures pour travaux de finition et de semi-finition

La touche de finition. Une fraise de finition dépassant toute attente.

Produit d'excellents résultats dans les applications de fraisage de finition et de semi-finition. S'attaque aux tâches de fraisage profond, notamment de dégrossissage et de rainurage.

Caractéristiques et avantages :

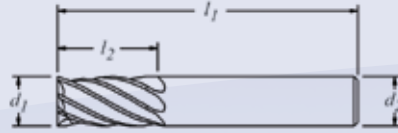
- Géométrie unique à 5 goujures
- Carbure à micrograins de qualité supérieure certifiée
- Disponible avec goujures courtes, normales et longues
- Rayons de coin améliorant la solidité
- Revêtement Ti-NAMITE-A (AlTiN) augmentant la longévité des outils
- Réduction des harmoniques
 - Amélioration des finitions
 - Enlèvement de matière plus épais
- S'utilise avec des taux de production plus élevés
- Convient à une grande variété de matériaux avec une dureté jusqu'à 45 Rc





V-Carb 5-Flute End Mills for Finishing & Semi Finishing

Fractional Series **55CR**



Tolerances (inch)

Cutting Diameter	Shank Diameter	Corner Radius
+0.0000/-0.0020	-0.0001/-0.0004	+0.0/-0.002



Series 55CR



V-Carb 5 Flute End Mills for Finishing & Semi-Finishing – 5-Flute – Corner Radius

Serie 55CR



Fresas V-Carb de 5 filos para acabado y semiacabado – 5 filos – Radio de esquina

Série 55CR



Fraises à rainurer V-Carb 5 goujures pour travaux de finition et de semi-finition – 5 goujures – Rayon de coin

Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Corner Radius	Ti-NAMITE -A (AlTiN) EDP No.	Ti-NAMITE -A (AlTiN) EDP No. w/ Flat
1/8	1/4	1-1/2	1/8	.010	32606	–
1/8	1/2	1-1/2	1/8	.010	32607	–
5/32	5/16	2	3/16	.010	32608	–
5/32	9/16	2	3/16	.010	32609	–
3/16	5/16	2	3/16	.010	32610	–
3/16	5/8	2	3/16	.010	32611	–
7/32	3/8	2	1/4	.015	32612	–
7/32	3/4	2-1/2	1/4	.015	32613	–
1/4	3/8	2	1/4	.015	32614	–
1/4	3/4	2-1/2	1/4	.015	32615	–
1/4	1-1/4	4	1/4	.015	32616	–
5/16	7/16	2	5/16	.015	32619	–
5/16	13/16	2-1/2	5/16	.015	32620	–
5/16	1-1/4	4	5/16	.015	32621	–
3/8	1/2	2	3/8	.015	32625	32591
3/8	1/2	2	3/8	.030	32592	32593
3/8	1	2-1/2	3/8	.015	32626	32628
3/8	1	2-1/2	3/8	.030	32573	32574
3/8	1-1/2	4	3/8	.015	32627	–
3/8	1-1/2	4	3/8	.030	32569	–
7/16	1	2-3/4	7/16	.015	32632	–
7/16	2	4	7/16	.015	32633	–
1/2	5/8	2-1/2	1/2	.030	32594	32595
1/2	5/8	2-1/2	1/2	.060	32596	32597
1/2	1-1/4	3	1/2	.030	32575	32576
1/2	1-1/4	3	1/2	.060	32577	32578
1/2	2	4	1/2	.030	32685	–
1/2	2	4	1/2	.060	32686	–
5/8	3/4	3	5/8	.030	32598	32599
5/8	3/4	3	5/8	.060	32600	32601
5/8	1-5/8	3-1/2	5/8	.030	32579	32580
5/8	1-5/8	3-1/2	5/8	.060	32581	32582
5/8	2-1/2	5	5/8	.030	32570	–
5/8	2-1/2	5	5/8	.060	32687	–
3/4	1	3	3/4	.030	32602	32603
3/4	1	3	3/4	.060	32604	32605
3/4	1-5/8	4	3/4	.030	32583	32584
3/4	1-5/8	4	3/4	.060	32585	32586
3/4	3-1/4	6	3/4	.030	32571	–
3/4	3-1/4	6	3/4	.060	32688	–
1	1-1/2	4	1	.030	32587	32588
1	1-1/2	4	1	.060	32589	32590
1	2-5/8	6	1	.030	32572	–
1	2-5/8	6	1	.060	32689	–

V-Carb 5-Flute End Mills for Finishing & Semi Finishing

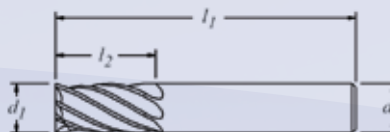


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Tolerances (inch)

Cutting Diameter	Shank Diameter	Corner Radius
+0.0000/-0.0020	-0.0001/-0.0004	+0.0/-0.002



Cutting Diameter d_1	Length of Cut l_2	Overall Length l_1	Shank Diameter d_2	Ti-NAMITE -A (AlTiN) EDP No.	Ti-NAMITE -A (AlTiN) EDP No. w/Flat
1/8	1/4	1-1/2	1/8	32672	-
1/8	1/2	1-1/2	1/8	32655	-
5/32	9/16	2	3/16	32656	-
3/16	5/16	2	3/16	32673	-
3/16	5/8	2	3/16	32657	-
7/32	3/4	2-1/2	1/4	32658	-
1/4	3/8	2	1/4	32674	-
1/4	3/4	2-1/2	1/4	32659	-
5/16	7/16	2	5/16	32675	-
5/16	13/16	2-1/2	5/16	32660	-
3/8	1/2	2	3/8	32676	32677
3/8	1	2-1/2	3/8	32661	32662
7/16	1	2-3/4	7/16	32663	-
1/2	5/8	2-1/2	1/2	32678	32679
1/2	1-1/4	3	1/2	32664	32665
5/8	3/4	3	5/8	32680	32681
5/8	1-5/8	3-1/2	5/8	32666	32667
3/4	1	3	3/4	32682	32683
3/4	1-5/8	4	3/4	32668	32669
1	1-1/2	4	1	32670	32671



Series 55 • 55M

V-Carb 5 Flute End Mills for Finishing & Semi-Finishing – 5-Flute – Square End

Serie 55 • 55M

Fresas V-Carb de 5 filos para acabado y semiacabado – 5 filos – Punta plana

Série 55 • 55M

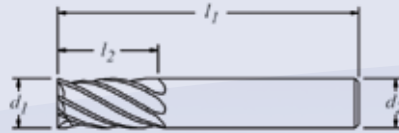
Fraises à rainurer V-Carb 5 goujures pour travaux de finition et de semi-finition – 5 goujures – Extrémité carrée



V-Carb 5-Flute End Mills for Finishing & Semi Finishing

Metric Series

55M



Tolerance (mm)

Cutting Diameter	Shank Diameter
+0,000/-0,050	+0,0025/-0,010



Series 55 • 55M



V-Carb 5 Flute End Mills for Finishing & Semi-Finishing – 5-Flute – Square End

Serie 55 • 55M



Fresas V-Carb de 5 filos para acabado y semiacabado – 5 filos – Punta plana

Série 55 • 55M



Fraises à rainurer V-Carb 5 goujures pour travaux de finition et de semi-finition – 5 goujures – Extrémité carrée

Cutting Diameter d_1 mm	Length of Cut l_2 mm	Overall Length l_1 mm	Shank Diameter d_2 mm	Ti-NAMITE -A (AlTiN) EDP No.	Ti-NAMITE -A (AlTiN) EDP No. w/Flat
6	12	50	6	42606	–
6	19	63	6	42607	–
6	25	75	6	42608	–
8	12	50	8	42609	–
8	20	63	8	42610	–
8	25	75	8	42611	–
10	16	50	10	42612	–
10	22	75	10	42622	42613
10	38	100	10	42614	–
12	19	63	12	42615	–
12	25	75	12	42616	42623
12	50	100	12	42617	–
16	32	89	16	42618	42624
16	75	150	16	42619	–
20	38	100	20	42620	42625
20	75	150	20	42621	–

