

Accelerate
Your Performance.





Alpen® Carbides provide clinicians with a comprehensive line of advance one-piece carbides. Almost all carbides currently sold are based on 60-year old, two-piece construction. This is when a steel shank is brazed to the carbide head; creating a weak point in the carbide. The one-piece design of Alpen® Carbides works to eliminate joint breakage, while generating a concentric bur that cuts faster and lasts longer. Offering a full line of: Metal Cutting, Operative & Surgical, and Trimming & Finishing burs.

Sold in packs of five, ten, and hundred; available in friction grip (FG), friction grip short shanks (FG SS), right angle latch (RA), handpiece (HP), and operative & surgical length (O&S).

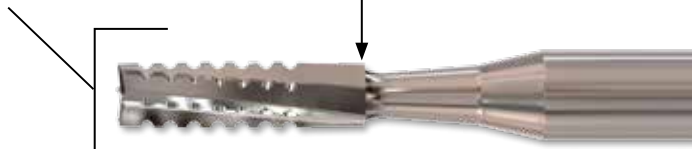


Why the Design Matters

One-piece construction eliminates brazed joint breakage and rusting, while increasing concentricity.

Concentric bur –
cuts faster, smoother
and more precisely

No brazed joint –
eliminates brazed joint
breakage and rusting



Why is Concentricity Important?

Concentricity relates to the rotational alignment of the bur. The trueness helps ensure that there is consistent contact between the cutting edge and cutting surface. A highly concentric bur results in a faster, smoother and more precise cut.

Alpen® is up to 8X more Concentric*

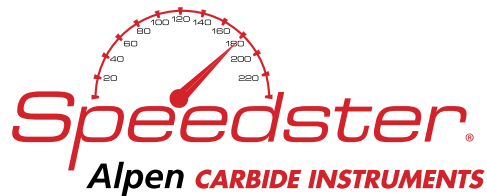
Competitors' Two-Piece



VS.



*internal study



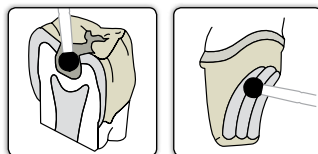
Alpen® Speedster® Carbide metal cutting burs rapidly cut amalgam, metal, enamel and dentin. The computer aided manufacturing design generates a bur that has an optimal and precise bur performance. These metal cutting burs cut aggressively without stalling or clogging, reducing prep and chair time.

Alpen® Speedster® Carbidés offers a full line of metal cutters, any option for your need.

Sold in packs of five, available in friction grip (FG).

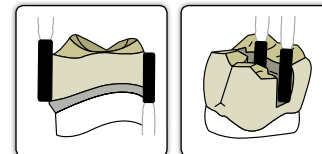


Indications For Use



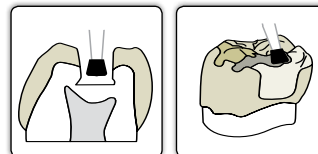
Round

Used for initial cavity preparations, retention grooves, and to create an initial depth mark for prosthetic preparations.



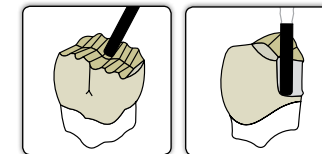
Cross Cut Fissure

Used to create butt-joint margins and to enhance the proximal box of preparations for ceramic inlays/onlays and crowns.



Inverted Cone / Double Cone

Ideal for removal of amalgam. It may also be used to contour the occlusal anatomy of final restorations.



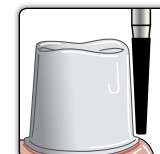
Round End Cross Cut Fissure

Ideal for creating deep chamfer crown preparations for ceramic restorations. Larger diameters may be used to create occlusal depth grooves.



Pear

Recommended to prepare an anatomical occlusal, cavity preparation and amalgam removal.



Cross Cut / Tapered Fissure

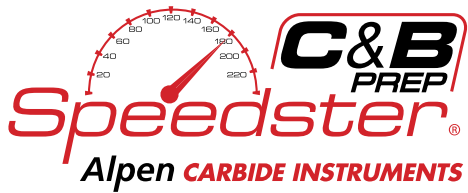
Tapered with a 90° gingival finish line, this shape is ideal for all-ceramic crowns for margin strength and esthetics.

Alpen® Speedster®

► Available in 10 & 100 packs

	Round				Cross Cut Fissure			Inverted Cone		
										
US. No.	2G	4G	6G	8G	556G	557G	558G	34G	35G	37G
DIA. (mm)	1.00	1.40	1.80	2.30	0.90	1.00	1.20	0.80	1.00	1.40
FG 10pk	R40002G	R40004G	R40006G	R40008G	R40556G	R40557G	R40558G	R40034G	R40035G	R40037G
FG 100pk		R40004GC				R40557GC				
FGSS 10pk						R40557GSS				

	Pear		Cross Cut Tapered Fissure		Round End Cross Cut Fissure		Amalgam Prep
							
US. No.	330G	331G	701G	702G	1557G	1558G	245G
DIA. (mm)	0.80	1.00	1.20	1.60	1.00	1.20	0.80
FG 10pk	R40330G	R40331G	R40701G	R40702G	R41557G	R41558G	R40245G
FG 100pk	R40330GC	R40331GC			R41557GC	R41558GC	R40245GC
FGSS 10pk	R40330GSS	R40331GSS			R41557GSS		R40245GSS



Alpen® Speedster® Crown & Bridge Prep and Removal are diamond shape carbides used for rapid crown and bridge preparation, plus you can use the same bur for amalgam or crown removal and gross reduction. Alpen® C&B has a faster, more efficient cut, and may generate less heat, reducing the likelihood of iatrogenic pulpitis.

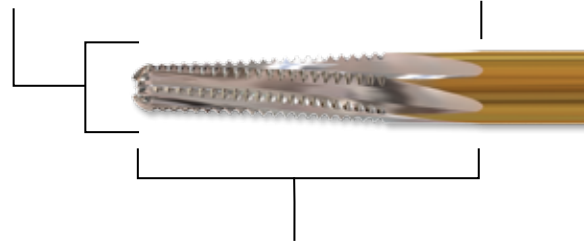
Sold in packs of five, available in friction grip (FG).

Diamond-Shaped One-Piece Carbides for Rapid Crown & Bridge Preparation

- Total gross reduction, from crown or amalgam removal to finish, with fewer burs.
- One-Piece solid carbide construction results in a longer lasting, smoother cutting instrument.
- Thinner diameters allow for expanded indications.

Concentric bur – cuts faster, smoother and more precise

No brazed joint – eliminates brazed joint breakage and rusting



8 mm head cuts instead of grinds, generating less heat at the surface



Alpen® Speedster® C&B

► Available in 5 packs

	Football	Modified Flat End Taper					Round End Taper			
										
US. No.	379	847	847	847	847		856	856	856	856
DIA. (mm)	023	012	014	016	018		012	014	016	018
FG 5pk	RCB379023	RCB8470128	RCB8470148	RCB8470168	RCB8470188		RCB8560128	RCB8560148	RCB8560168	RCB8560188

Clinical Case

► Photos courtesy of Dr. Allen Schneider, DDS, FAGD



Fig. 1 - Removal of PFM, #19, 1st molar.



Fig. 2 - Finish prep of #19, 1st molar.



Alpen® Carbides Trimming & Finishing

► Available in 5 packs

Round

					
US. No. #12	7002	7004	7006	7008	7009
US. No. #30	9004	9006	9008	9008	
DIA. (mm)	1.00	1.40	1.80	2.30	2.70
12 flutes	R707002	R707004	R707006	R707008	R707009
30 flutes		R909004	R909006	R909008	

Tapered

													
	7611	7612	7702	7713	7714	7114	7204	7205	7206	7214	9214		7345
					9714								
DIA. (mm)	1.00	1.40	1.00	1.20	1.40	0.90	1.40	1.60	1.80	1.20			1.50
	R707611	R707612	R707702	R707713	R707714	R707114	R707204	R707205	R707206	R707214	R909214		R707345



Chamfering

Round End Taper

					
US. No. #12	7642	7653	7664	7675	7283-2
US. No. #30					
DIA. (mm)	1.00	1.20	1.40	1.60	1.20
12 flutes	R707642	R707653	R707664	R707675	R7283-2
30 flutes					

Parallel Bevel

Curretage

		
	7283K6	7282K6
DIA. (mm)	1.60	1.60
	R7283K6	R7282K6

Long Pear

		
	7303	7304
DIA. (mm)	1.20	1.40
	R707303	R707304

Composite Trimming

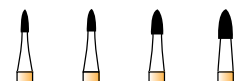
					
	EF3	EF4	EF6	EF9	
	UF3	UF4	UF6	UF9	
DIA. (mm)	0.80	1.00	1.40	1.40	
	R700EF3	R700EF4	R700EF6	R700EF9	
	R9EF3UF	R9EF4UF	R9EF6UF	R9EF9UF	

Straight Cylinder

	
	7572
	9572
DIA. (mm)	1.20
	R707572
	R909572

Alpen® Carbides Trimming & Finishing

► Available in 5 packs

	Bullet			Egg Shape			Interproximal	Needle			Flame			
														
US. No. #12	7801	7802	7803	7404	7406	7408	7103	7901	7902	7903	7102	7104	7106	7108
US. No. #30	9801	9802	9803	9404	9406	9408				9903				
DIA. (mm)	0.90	1.00	1.20	1.40	1.80	2.30	1.20	0.90	1.00	1.20	1.20	1.40	1.80	2.30
12 flutes	R707801	R707802	R707803	R707404	R707406	R707408	R707103	R707901	R707902	R707903	R707102	R707104	R707106	R707108
30 flutes		R909802	R909803	R909404	R909406	R909408				R909903				



Alpen® Carbides Operative & Surgical

► Available in 10 & 100 packs

Round

Amalgam Prep

Pear

End Cutting

																				
US. No.	1/4	1/2	1	2	3	4	5	6	7	8	245	246	256	257	329	330	331	332	956	957
DIA. (mm)	0.50	0.70	0.80	1.00	1.20	1.40	1.60	1.80	2.10	2.30	0.80	1.20	0.80	1.00	0.60	0.80	1.00	1.20	0.80	1.00
FG 10pk	R1001/4	R1001/2	R100001	R100002	R100003	R100004	R100005	R100006	R100007	R100008	R100245	R100246	R100256	R100257	R100329	R100330	R100331	R100332	R100956	R100957
FG 100pk	R1001/4C	R1001/2C	R100001C	R100002C	R100003C	R100004C	R100005C	R100006C	R100007C	R100008C	R100245C	R100246C	R100256C	R100257C	R100329C	R100330C	R100331C	R100332C		
FGSS 10pk	R3001/4	R3001/2	R300001	R300002		R300004		R300006		R300008	R300245				R300329	R300330	R300331			
FGSS 100pk																				
FGOS 10pk	R5001/4	R5001/2	R500001	R500002	R500003	R500004		R500006		R500008										
RA 10pk	R2001/4	R2001/2	R200001	R200002	R200003	R200004	R200005	R200006	R200007	R200008	R200245					R200330				
RA 100pk						R200004C		R200006C		R200008C										
HP 10pk	R6001/4	R6001/2		R600002		R600004		R600006	R600007	R600008										

Inverted Cone

Round End Cross Cut Tapered Fissure

Fissure

Round End Cross Cut Fissure

																		
US. No.	33 1/2	34	35	36	37	38	39	1701	1702	1703	56	57	58	58L	59	1556	1557	1558
DIA. (mm)	0.70	0.80	1.00	1.20	1.40	1.60	1.80	1.20	1.60	2.10	0.90	1.00	1.20	1.20	1.40	0.90	1.00	1.20
FG 10pk	R1331/2	R100034	R100035	R100036	R100037	R100038	R100039	R101701	R101702		R100056	R100057	R100058	R10058L	R100059	R101556	R101557	R101558
FG 100pk	R1331/2C	R100034C	R100035C	R100036C	R100037C						R100056C	R100057C	R100058C				R101557C	R101558C
FGSS 10pk	R3331/2	R300034	R300035		R100037C						R300056	R300057					R301557	R301558
FGSS 100pk																		
FGOS 10pk																		
RA 10pk	R2331/2	R200034	R200035		R200037				R501702		R200056	R200057					R501557	R501558
HP 10pk	R6331/2	R600034		R600036*	R600037				R601702	R601703							R601557	R601558

*Discontinued, limited stock available

Alpen® Carbides Operative & Surgical

► Available in 10 & 100 packs

	Round End Fissure				Cross Cut Fissure					Round End Tapered Fissure				Long Cross Cut Tapered Fissure			Long Tapered Fissure		
																			
US. No.	1155	1156	1157	1158	556	557	558	559	560	1169	1170	1171	1172	700L	701L	702L	169L	170L	171L
DIA. (mm)	0.80	0.90	1.00	1.20	0.90	1.00	1.20	1.40	1.60	0.90	1.00	1.20	1.60	1.00	1.20	1.60	0.90	1.00	1.20
FG 10pk	R101155	R101156	R101157	R101158	R100556	R100557	R100558	R100559	R100560	R101169	R101170	R101171	R101172	R10700L	R10701L	R10702L	R10169L	R10170L	R10171L
FG 100pk		R101156C	R101157C	R101158C	R100556C	R100557C	R100558C		R100560C	R101169C	R101170C	R101171C					R10169LC		
FGSS 10pk		R301156	R301157	R301158*	R300556	R300557	R300558												
FGOS 10pk				R501158	R500556	R500557	R500558	R500559											
RA 10pk					R200556	R200557		R600559	R600560										
HP 10pk						R600557					R601170						R60169L		
FGSS 100pk						R300557C													

*Discontinued, limited stock available

Alpen® Carbides Endo

► Ideal for creating access in the pulp chamber.
The burs are available with a safe-end or end cutting.

				
	Safe End	Safe End		
				
US. No.	152EZ	219EZ	199Z	151Z
DIA. (mm)	1.40	1.40	1.60	1.60
FG 5pk	R4152EZ	R4219EZ	R40199Z	R40151Z