

Feel the difference!



DIATECH 
PREMIUM ROTARY INSTRUMENTS

Speedster™

- HIGHEST CUTTING EFFICIENCY
- LONGEST CUTTING-LIFE
- CONCENTRIC ONE PIECE SOLID CARBIDE

coltène 
whaledent®

DIATECH Speedster carbide burs have an advanced technology design for rapid reduction of all materials (amalgam, gold, porcelain, enamel, PFM = **P**orcelain **F**used to **M**etal). The computer designed flutes cut more concentric, eliminate chatter and vibration, cut longer and let you reduce the preparation and chair time!



Proprietary end cut design is excellent for Endo access

Testimonials from enthusiastic users.

- „The Great White does not come close to this bur.“
- „I found with this bur that it has a very stable and positive engagement with the tooth“
- „That thing FLEW through the PFM I just needed to take off!“

- „With PFM I usually go through 3 – 5 of carbides, I got through the whole job with one and it's still cutting smooth“

WHAT WOULD BE YOUR STATEMENT?

Source: internal data

FEATURES

HIGHEST CUTTING EFFICIENCY

- crown removal 2 – 3 times faster than equivalent diamonds and other specialty carbides

LONGEST CUTTING-LIFE

CONCENTRIC ONE PIECE SOLID CARBIDE

- unique flute and teeth geometry
- harmonic and frequency tuning

BENEFITS

- time saving
- reduces chair and preparation time
- cuts more freely and aggressively will not stall or clog in metal cutting

- more economical

- better handling
- highest concentric precision
- less vibration and chatter
- may provide less damage to the tooth structure
- eliminates rust between shank and bur head



feel the difference!



Cuts porcelain smoothly with only light pressure

(S5-314-012)



Cuts freely through metal without stalling

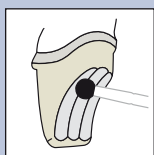
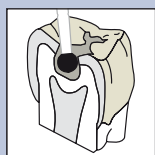
(S5-314-012)



Very fast amalgam removal

(S1-314-023)

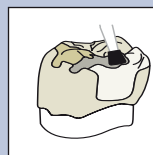
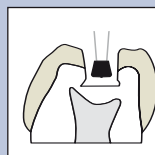
Which shape for which indication?



S1

Round

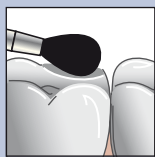
Used for initial cavity preparations, retention grooves, and to create an initial depth mark for prosthetic preparations.



S2

Inverted Cone / Double Cone

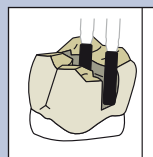
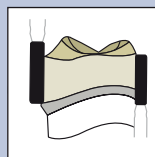
The shape of this carbide makes it ideal for removal of amalgams. It may also be used to contour the occlusal anatomy of final restorations.



S3

Pear

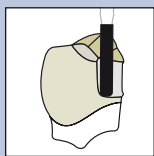
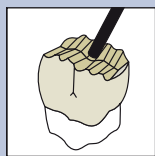
Recommended to contour the occlusal anatomy, cavity preparation and amalgam removal.



S4

Cross Cut Fissure

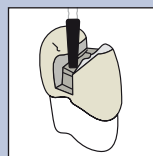
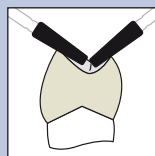
This carbide may be used to create butt-joint margins and to enhance the proximal box of preparations for ceramic inlay/onlays and crowns.



S5

Round End Cross Cut Fissure

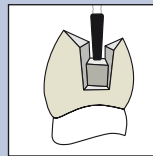
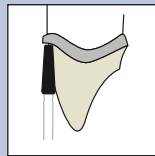
Ideal for crown removal, creating deep chamfer crown preparations for ceramic restorations. Larger diameters may be used to create occlusal depth grooves.



S6

Cross Cut Tapered Fissure

Recommended for use in preparing shoulder margins and inlay/onlay preparations. May also be used to refine the axial walls of a preparation and to bevel or contra-bevel finish lines.



RECOMMENDED SPEEDS

HEAD DIAMETER IN 1/10 mm


007 – 008
009 – 010
012 – 014
016 – 018
021 – 023





SPEED RANGE (min⁻¹)

40.000 – 80.000
30.000 – 60.000
24.000 – 48.000
19.000 – 37.000
15.000 – 30.000





MAXIMUM SPEED (min⁻¹)




300.000
300.000
300.000
300.000
300.000




	S1 Round				
Fig. No.		S1	S1	S1	S1
ISO Ø 1/10 mm		010	014	018	023
Head L mm					
U.S. #		2G	4G	6G	8G
FG 5 pcs / pack		237000AA	237001AA	237002AA	237003AA
FG 10 pcs / pack		237100AA	237101AA	237102AA	237103AA
FGSS 5 pcs / pack		-	-	-	-
FGSS 10 pcs / pack		-	-	-	-

	S2 Inverted Cone Double Cone			
Fig. No.		S2	S2	S2
ISO Ø 1/10 mm		008	010	014
Head L mm				
U.S. #		34G	35G	37G
FG 5 pcs / pack		237004AA	237005AA	237006AA
FG 10 pcs / pack		237104AA	237105AA	237106AA
FGSS 5 pcs / pack		-	-	-
FGSS 10 pcs / pack		-	-	-

	S3 Pear			
Fig. No.		S3	S3	S3
ISO Ø 1/10 mm		008	010	008
Head L mm		2	2	3
U.S. #		330G	331G	245G
FG 5 pcs / pack		237007AA	237008AA	237009AA
FG 10 pcs / pack		237107AA	237108AA	237109AA
FGSS 5 pcs / pack		237017AA	237018AA	237019AA
FGSS 10 pcs / pack		237117AA	237118AA	237119AA

	S4 Cross Cut Fissure			
Fig. No.		S4	S4	S4
ISO Ø 1/10 mm		009	010	012
Head L mm				
U.S. #		556G	557G	558G
FG 5 pcs / pack		237010AA	237011AA	237012AA
FG 10 pcs / pack		237110AA	237111AA	237112AA
FGSS 5 pcs / pack		-	237020AA	-
FGSS 10 pcs / pack		-	237120AA	-

	S5 Round End Cross Cut Fissure		
Fig. No.		S5	S5
ISO Ø 1/10 mm		010	012
Head L mm			
U.S. #		1557G	1558G
FG 5 pcs / pack		237013AA	237014AA
FG 10 pcs / pack		237113AA	237114AA
FGSS 5 pcs / pack		237021AA	237022AA
FGSS 10 pcs / pack		237121AA	237122AA

	S6 Cross Cut Tapered Fissure		
Fig. No.		S6	S6
ISO Ø 1/10 mm		012	016
Head L mm			
U.S. #		701G	702G
FG 5 pcs / pack		237015AA	237016AA
FG 10 pcs / pack		237115AA	237116AA
FGSS 5 pcs / pack		-	-
FGSS 10 pcs / pack		-	-

▼ Two piece body