COMPOSITE **TOOLS**

Shearbore Carbide Drills FIBERGLASS, BORON,

FOR USE IN KEVLAR, **PLASTIC, CARBON** & OTHER HIGHLY **ABRASIVE MATERIALS**

Patented Shear Bore Drill For Kevlar

Recommended especially for Kevlar. The unique single flute tool geometry produces an outside - inside shearing action which allows each fiber to be cut individually. lessoning drill pressure requirements and reducing heat build-up.

TECHNICAL INFORMATION:

- A. Speed & Feed Best results are obtained with 200 - 600 S.F.P.M.
- B. T.I.R. Drill should be run within .0015 concentricity. This is critical as it eliminates excessive heat.
- C. Drilling Procedure This drill has to be run with some type of guide system ie: Bushing or Fixture.

SHEAR BORE **DRILLS**

PART#	SIZE - RANGE
B00005 B00010 B00015 B00020 B00025 B00030 B00035 B00040	.098/ .1285 .129/ .1875 .188/ .201 .202/ .2187 .219/ .250 .251/ .281 .282/ .3125 .313/ .375

ACCURATE, FUZZ FREE, DELAMINATE FREE HOLES ARE PROVIDED QUICKLY PATENTED SHEAR-BORE DRILL FOR KEVLAR

These drills are also available in a Drill + C'sink combination tool which allows for one step drilling & Countersinking operations.

8 FACET DRILLS

PART #	PART #	SIZE - RANGE	
DOSEO	POSES	009/ 125	

B02650	B02505	.098/ .125
B02655	B02510	.1285/ .1562
B02660	B02515	.157/ .185
B02665	B02520	.1875/ .199
B02670	B02525	.201/ .228
B02675	B02530	.234/ .250
B02680	B02535	.257/ .272
B02685	B02540	.2756/ .282
B02690	B02545	.290/ .315
B02695	B02550	.316/ .3438
B02700	B02555	.348/ .3594
B02705	B02560	.368/ .377
B02710	B02565	.386/ .3937
B02715	B02570	.397/ .4062
B02720	B02575	.413/ .4219
B02725	B02580	.4331/ .4375
B02730	B02585	.4528/ .4724
D00705	DAGEGA	1 40 4 4 / 500

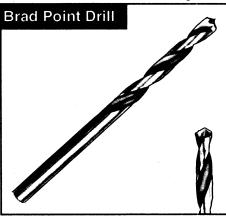
Solid Carbide 8-Facet Drills

For drilling composites when there is a metal layer sandwiched between composite layers. This multi-angle point allows drilling both materials while lessening the break out in the composite. Coolant should be used with this drill. Recommended SFPM for this drill is 150-200.

BRAD POINT DRILLS STANDARD STUB PART # PART # SIZE - RANGE B02150 B02005 .098/ .125 B02155 B02010 .1285/ .1562 B02160 B02015 .157/ .185

B02165 B02020 .1875/ .199 .201/ .228 .234/ .250 B02170 B02025 B02175 B02030 .257/ .272 B02180 B02035 B02185 B02040 .2756/ .282 .290/ .315 B02190 B02045 B02195 B02050 .316/ .3438 B02200 B02055 .348/ .3594 .368/ .377 B02205 B02060 B02210 B02065 .386/ .3937 B02215 B02070 .397/ .4062 B02220 B02075 .413/ .4219 B02225 | B02080 | .4331 / .4375 B02230 B02085 .4528/ .4724 B02235 | B02090 | .4844/ .500

This specially designed point is for use in all thicknesses of Kevlar Laminates. The unusual geometry of this tool eliminates break-out and de-lamination of the material being drilled.



MATERIAL THICKNESS	0.060	0.125	0.180	0.250 & OVER	
DRILL SIZE IN.	REVOLUTIONS PER MINUTE				
0.060	1350	1150	1000	100	
0.125	1150	1100	1000	900	
0.1875	1100	1000	900	800	
0.250	1000	1000	900	800	
0.3125	1000	900	900	725	
0.375	900	900	900	725	
0.4375	900	800	600	600	
0.500	800	600	600	400	
0.625	800	600	400	400	

Recommended speeds without the use of coolants, if coolant is used adust speed upwards.

