Carbide Bur Guide

Carbide Burs - Possible Causes and Solutions

Challenge	Excessive Force	Heat From Rubbing Shank	Dull Flutes	Seized In/Against Workpiece	Tool Dropped	Poor Location in Collet	Worn Handpiece Bearings	Bent Shank	Poor Working Stability	Use Coarser Geometry	Use Finer Geometry	Use Double Cut or Chip Breaker Geometry	Soft Material - Lighten Feed	Increase RPMs	Decrease RPMs	Avoid Diamond Cut	Use Anti-stick compound	Faster Feed Rate	Slower Feed	Abrasive Material	Poor Set-Up	Failure To Support / Engage Prior to RPM
Braze Failure	X	X	X	X	X																	
Poor Hand Control						X	X	X	X		X	X									X	
Chipping				X	X				X					X								
Carbide Fracture				X	X				X													
Plugging										X			X				X					
Handpiece Vibration														X	X			X	X		X	
Poor Workpiece Finish						X	X	X	X		X			X	X			X			X	
Poor Tool Life		X	X			X	X	X	X					X	X	X		X	X	X	X	
Lack of Available Handpiece RPMs												X		X								
Work Hardening of Workpiece	X		X							X		X			X				X			
Severely Bent Shanks of Long Series Burs																					X	X