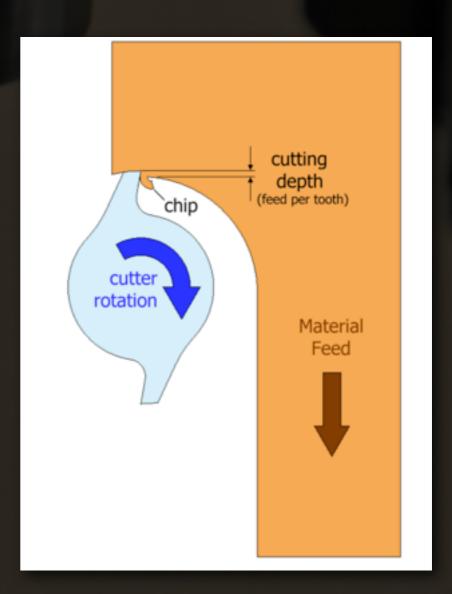


CONVENTIONAL (CHIP)



CLIMB

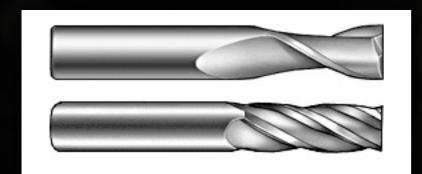


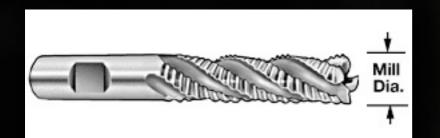
FLY CUTTER

FACE MILL



END MILLS





SQUARE-END

ROUGHING



BALL-END









CUTTING SPEED GUIDELINES

	HIGH-SPEED STEEL	CARBIDE
PLASTICS	500	800
ALUMINUM	300	600
BRASS	200	400
MILD STEEL	75	250
STAINLESS	50	100
SPEEDS IN SURFACE	FEET PER MINUT	E (SFPM)

MILL/DRILL SPINDLE SPEED

GIVES SPINDLE SPEED IN RPM
FOR
CUTTING SPEED IN FEET PER MINUTE (FPM)
AND

TOOL DIAMETER IN INCHES

FEED RATE

FEED RATE = CHIP LOAD X TEETH X SPINDLE SPEED

GIVES FEED RATE IN INCHES PER MINUTE
FOR
CHIP LOAD IN INCHES PER TOOTH
AND
SPINDLE SPEED IN RPM

TYPICAL CHIP LOADS:

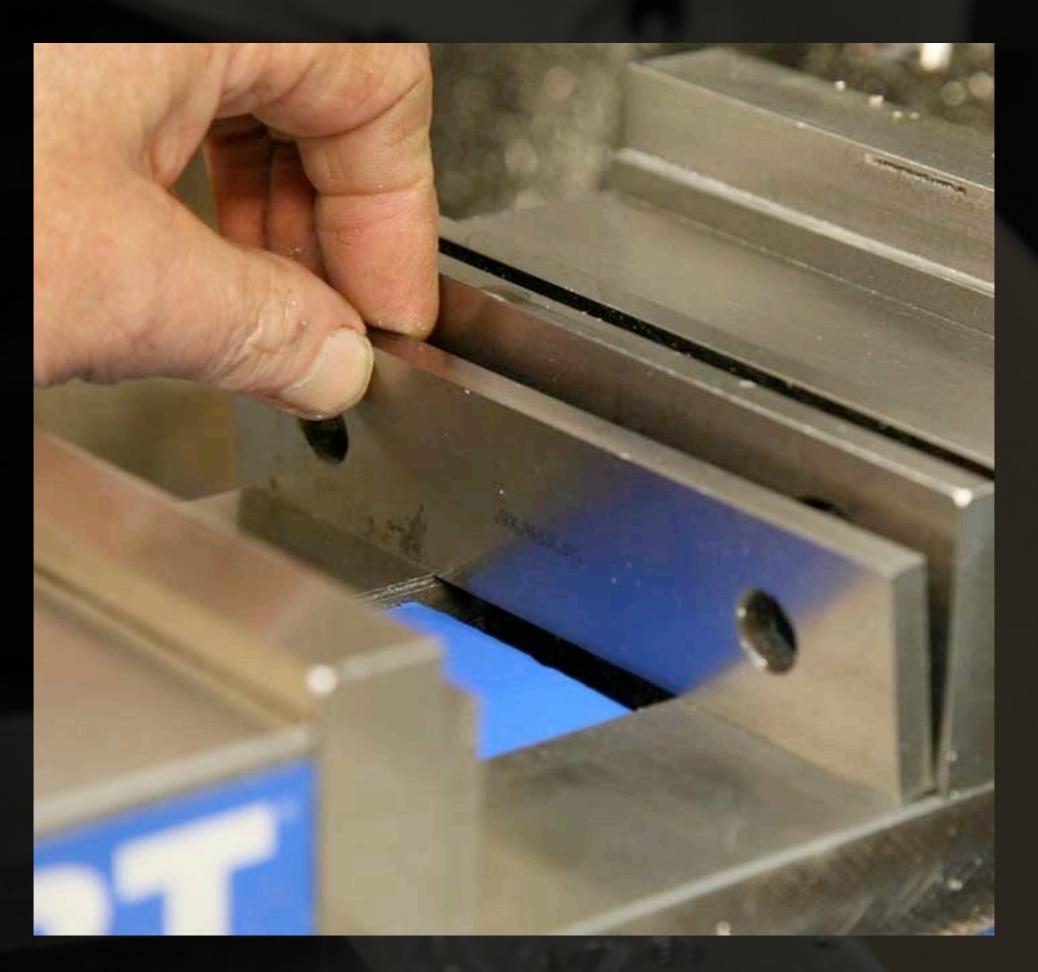
ROUGHING 0.005"

FINISHING 0.001-0.002"

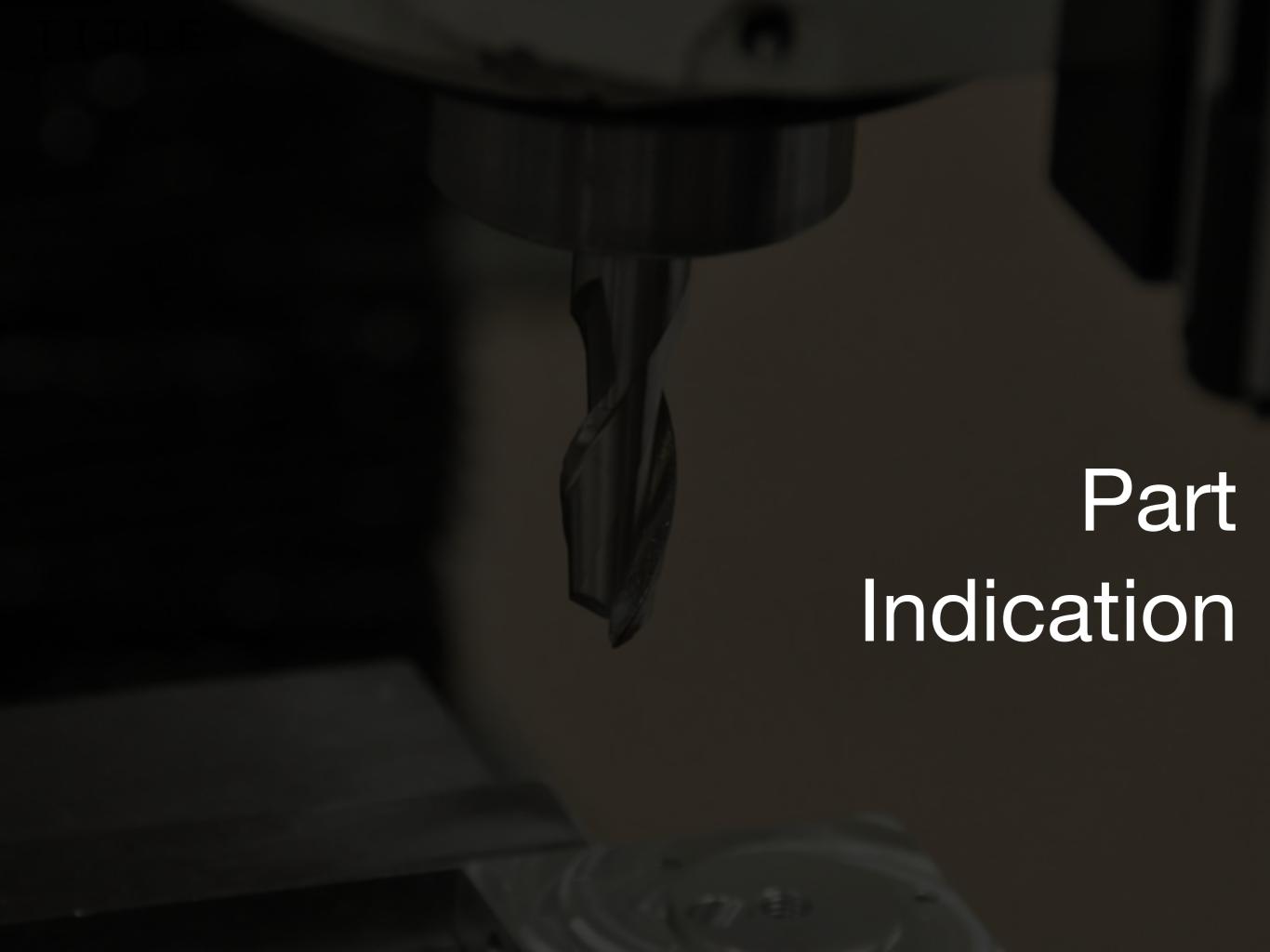






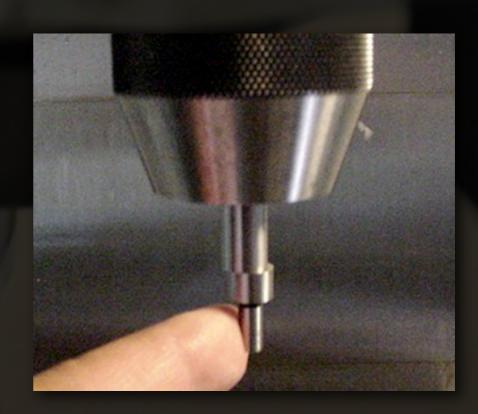


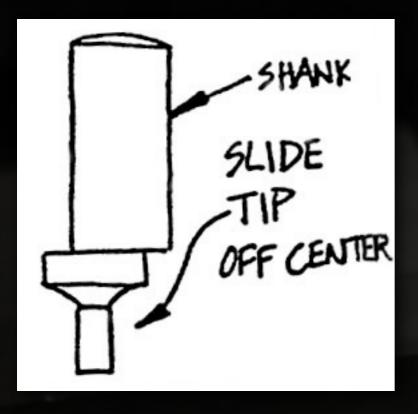


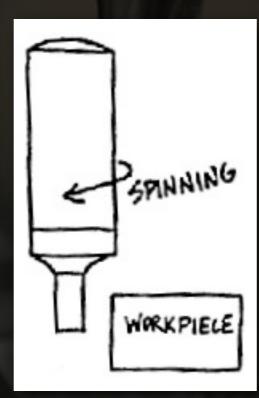


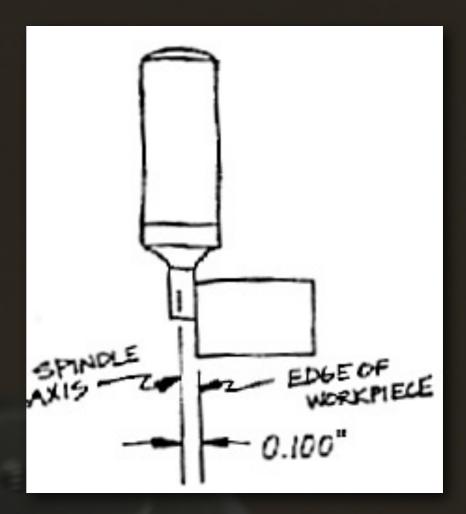
EDGE FINDER











DIAL INDICATOR



