
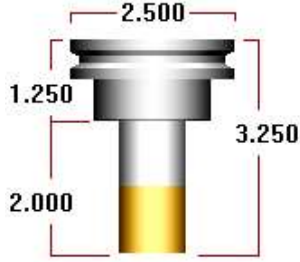



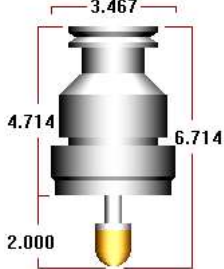
## Mill Tool List

Library: Sorted: No Filtered: No Date & Time: 10/19/2015 10:30 PM  
 V:\VARCO REPORTING\MASTERCAM PART FILES\MILL TOOL LIST EXAMPLE.MCX-9


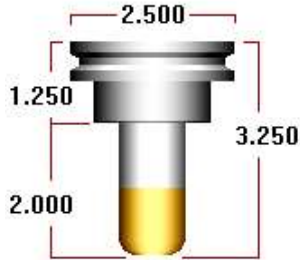
### T1: Flat End Mill

	Tool Type: Flat Endmill	Coolant: Flood	
Mfg. Code:		Spindle Dir.: CW	
Name: Flat End Mill		RPM: 1555	
Asm. Name:		SFM: 407	
Aggregate: No	Material: Carbide	Feedrate: 0.01 inch/min	
Units: Inch	Diameter: 1.0"	Feed/Tooth: 0.0000 inch/rev	
Holder Name: BLANK	Overall Lng.: 2.0"	Plunge Feed: 0.0 inch/min	
Holder Lng.: 0.0"	Shoulder Lng.: 1.2"	Retract Feed: 0.0 inch/min	
Lng. Offset: 0	Flute Lng.: 1.0"		
Dia. Offset: 0	Flutes: 4		


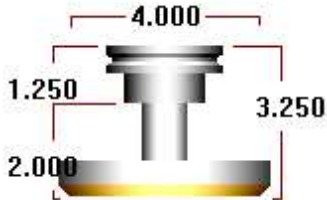
### T2: Ball End Mill

	Tool Type: Ball Endmill	Coolant: Mist	
Mfg. Code:		Spindle Dir.: CW	
Name: Ball End Mill		RPM: 555	
Asm. Name:		SFM: 145	
Aggregate: No	Material: HSS	Feedrate: 5.0 inch/min	
Units: Inch	Diameter: 1.0"	Feed/Tooth: 0.0023 inch/rev	
Holder Name: C4C4-1500	Overall Lng.: 2.0"	Plunge Feed: 0.0 inch/min	
Holder Lng.: 0.0"	Shoulder Lng.: 1.2"	Retract Feed: 0.0 inch/min	
Lng. Offset: 2	Flute Lng.: 1.0"		
Dia. Offset: 2	Radius: 0.5" (Full)		


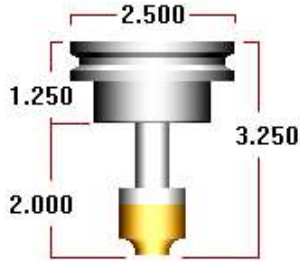
### T3: Bull End Mill

	Tool Type: Bull Endmill	Coolant: Thru-tool	
Mfg. Code:		Spindle Dir.: CW	
Name: Bull End Mill		RPM: 555	
Asm. Name:		SFM: 145	
Aggregate: No	Material: HSS	Feedrate: 5.0 inch/min	
Units: Inch	Diameter: 1.0"	Feed/Tooth: 0.0023 inch/rev	
Holder Name: BLANK	Overall Lng.: 2.0"	Plunge Feed: 0.0 inch/min	
Holder Lng.: 0.0"	Shoulder Lng.: 1.2"	Retract Feed: 0.0 inch/min	
Lng. Offset: 3	Flute Lng.: 1.0"		
Dia. Offset: 3	Corner Radius: 0.25"		


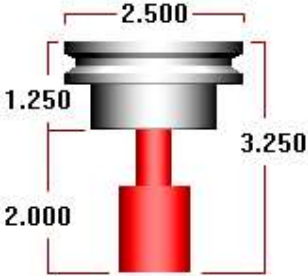
### T4: Face Mill

	Tool Type: Face Mill	Coolant: Flood/Mist/...	
Mfg. Code:		Spindle Dir.: CW	
Name: Face Mill		RPM: 555	
Asm. Name:		SFM: 581	
Aggregate: No	Material: Carbide	Feedrate: 5.0 inch/min	
Units: Inch	Diameter: 4.0"	Feed/Tooth: 0.0023 inch/rev	
Holder Name: BLANK	Overall Lng.: 2.0"	Plunge Feed: 0.0 inch/min	
Holder Lng.: 0.0"	Shoulder Lng.: 0.75"	Retract Feed: 0.0 inch/min	
Lng. Offset: 4	Flute Lng.: 0.25"		
Dia. Offset: 4	Corner Radius: 0.1"		
	Taper Angle: 45.0°		


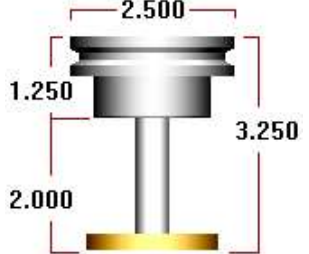
### T5: Corner Rounding End Mill

	Tool Type: Radius Mill	Coolant: Off	
Mfg. Code:		Spindle Dir.: CW	
Name: Corner Rounding End Mill		RPM: 555	
Asm. Name:		SFM: 73	
Aggregate: No	Material:	Feedrate: 5.0 inch/min	
Units: Inch	Diameter: 0.5"	Feed/Tooth: 0.0023 inch/rev	
Holder Name: BLANK	Overall Lng.: 2.0"	Plunge Feed: 0.0 inch/min	
Holder Lng.: 0.0"	Shoulder Lng.: 1.0"	Retract Feed: 0.0 inch/min	
Lng. Offset: 5	Flute Lng.: 0.75"		
Dia. Offset: 5	Corner Radius: 0.25"		


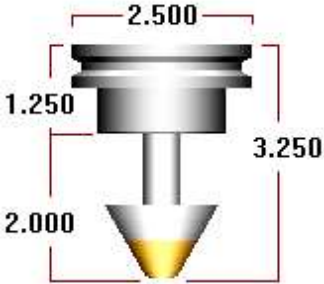
**T6: Chamfer Mill**

	Tool Type: Chamfer Mill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Chamfer Mill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Material:	
	Holder Name: BLANK	Diameter: 1.0"	
	Holder Lng.: 0.0"	Overall Lng.: 2.0"	
	Lng. Offset: 6	Shoulder Lng.: 1.2"	
	Dia. Offset: 6	Flute Lng.: 1.0"	
		Corner Radius: 0.05"	
		Taper Angle: 45.0°	


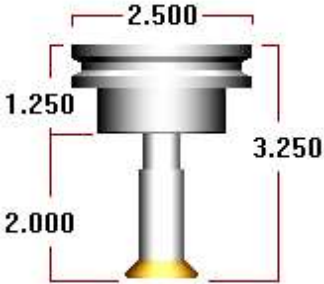
**T7: Slot Mill**

	Tool Type: Slot Mill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Slot Mill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Material:	
	Holder Name: BLANK	Diameter: 2.0"	
	Holder Lng.: 0.0"	Overall Lng.: 2.0"	
	Lng. Offset: 7	Shoulder Lng.: 0.25"	
	Dia. Offset: 7	Flute Lng.: 0.25"	
		Corner Radius: 0.025"	


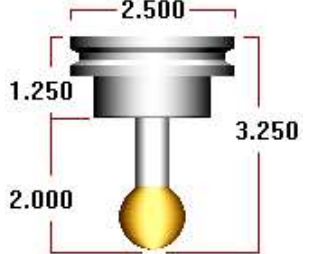
**T8: Taper End Mill**

	Tool Type: Taper Mill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Taper End Mill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Material:	
	Holder Name: BLANK	Diameter: 0.5"	
	Holder Lng.: 0.0"	Overall Lng.: 2.0"	
	Lng. Offset: 8	Shoulder Lng.: 1.0"	
	Dia. Offset: 8	Flute Lng.: 0.5"	
		Corner Radius: 0.1"	
		Taper Angle: 30.0°	


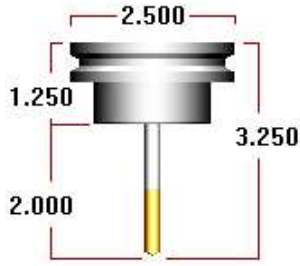
**T9: Dovetail Cutter**

	Tool Type: Dovetail Mill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Dovetail Cutter	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Material:	
	Holder Name: BLANK	Diameter: 1.0"	
	Holder Lng.: 0.0"	Overall Lng.: 2.0"	
	Lng. Offset: 9	Shoulder Lng.: 1.5"	
	Dia. Offset: 9	Flute Lng.: 0.25"	
		Corner Radius: 0.05"	
		Taper Angle: 45.0°	


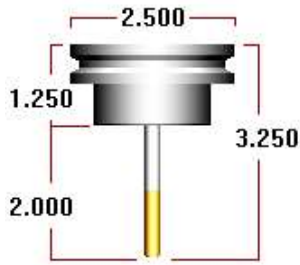
**T10: Lollipop Mill**

	Tool Type: Lollipop Mill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Lollipop Mill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Material:	
	Holder Name: BLANK	Diameter: 1.0"	
	Holder Lng.: 0.0"	Overall Lng.: 2.0"	
	Lng. Offset: 10	Shoulder Lng.: 1.5"	
	Dia. Offset: 10	Flute Lng.: 0.95"	
		Radius: 0.5"	


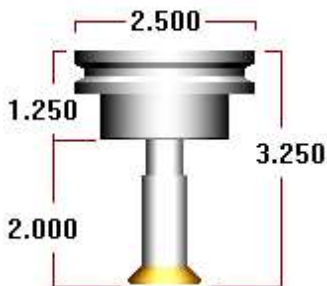
**T11: Drill**

	Tool Type: Drill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Drill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Holder Name: BLANK	Material:	
	Holder Lng.: 0.0"	Diameter: 0.25"	
	Lng. Offset: 11	Overall Lng.: 2.0"	
		Shoulder Lng.: 1.5"	
		Flute Lng.: 1.0"	
		Tip Angle: 135.0°	


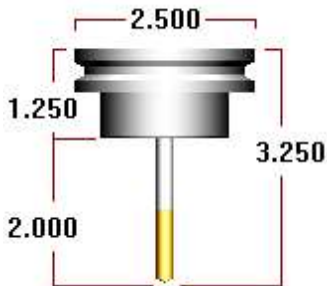
**T12: Reamer**

	Tool Type: Reamer	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Reamer	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Holder Name: BLANK	Material:	
	Holder Lng.: 0.0"	Diameter: 0.25"	
	Lng. Offset: 12	Overall Lng.: 2.0"	
		Shoulder Lng.: 1.5"	
		Flute Lng.: 1.0"	
		Flutes: 4	


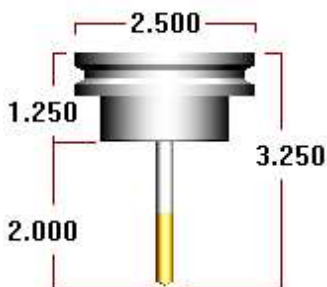
**T13: Boring Bar**

	Tool Type: Boring Bar	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Boring Bar	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Holder Name: BLANK	Material:	
	Holder Lng.: 0.0"	Diameter: 1.0"	
	Lng. Offset: 13	Overall Lng.: 2.0"	
		Shoulder Lng.: 1.5"	
		Flute Lng.: 0.25"	
		Corner Radius: 0.05"	
		Taper Angle: 45.0°	


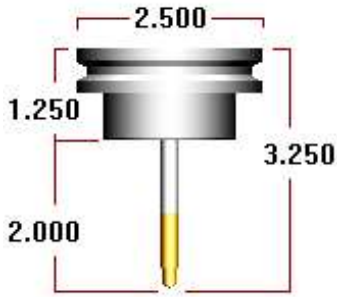
**T14: RH Tap**

	Tool Type: RH Tap	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: RH Tap	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Holder Name: BLANK	Material:	
	Holder Lng.: 0.0"	Diameter: 0.25"	
	Lng. Offset: 14	Overall Lng.: 2.0"	
		Shoulder Lng.: 1.5"	
		Flute Lng.: 1.0"	
		Tip Angle: NA°	
		Threads: 20.0	


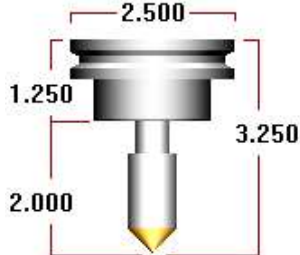
**T15: LH Tap**

	Tool Type: LH Tap	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CCW	
	Name: LH Tap	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Holder Name: BLANK	Material:	
	Holder Lng.: 0.0"	Diameter: 0.25"	
	Lng. Offset: 15	Overall Lng.: 2.0"	
		Shoulder Lng.: 1.5"	
		Flute Lng.: 1.0"	
		Tip Angle: NA°	
		Threads: 20.0	


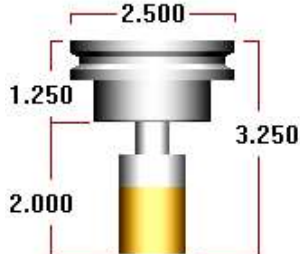
**T16: Center Drill**

	Tool Type: Center Drill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Center Drill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Material:		
	Diameter: 0.25"		
	Overall Lng.: 2.0"		
	Shoulder Lng.: 1.5"		
	Flute Lng.: 1.0"		
	Tip Angle: 118.0°		
	Shoulder Angle: 90.0°		
	Pilot Diameter: 0.0"		


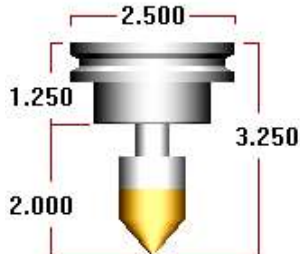
**T17: Spot Drill**

	Tool Type: Spot Drill	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Spot Drill	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Material:		
	Diameter: 0.75"		
	Overall Lng.: 2.0"		
	Shoulder Lng.: 1.5"		
	Flute Lng.: 0.375"		
	Tip Angle: 90.0°		


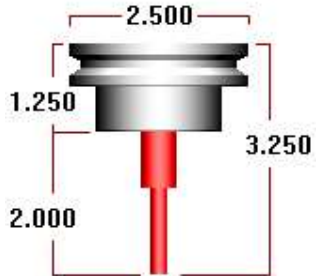
**T18: Counterbore**

	Tool Type: CounterBore	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Counterbore	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Material:		
	Diameter: 1.0"		
	Overall Lng.: 2.0"		
	Shoulder Lng.: 1.5"		
	Flute Lng.: 1.0"		
	Pilot Diameter: 0.375"		


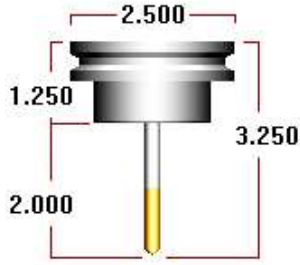
**T19: Countersink**

	Tool Type: CounterSink	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Countersink	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Material:		
	Diameter: 1.0"		
	Overall Lng.: 2.0"		
	Shoulder Lng.: 1.5"		
	Flute Lng.: 1.0"		
	Tip Angle: 82.0°		


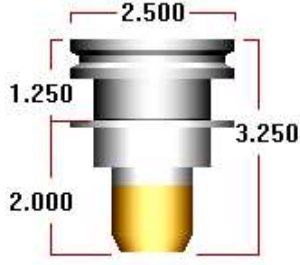
**T20: Engraver**

	Tool Type: Engraving Tool	Coolant: Off	
	Mfg. Code:	Spindle Dir.: CW	
	Name: Engraver	RPM: 0	
	Asm. Name:	SFM: 0	
	Aggregate: No	Feedrate: 0.0 inch/min	
	Units: Inch	Feed/Tooth: 0.0 inch/rev	
	Material:	Plunge Feed: 0.0 inch/min	
	Diameter: 0.25"	Retract Feed: 0.0 inch/min	
	Overall Lng.: 2.0"		
	Shoulder Lng.: 1.2"		
	Flute Lng.: 1.0"		
	Corner Radius: 0.01"		
	Taper Angle: 15.0°		

**T21: Brad Point Drill**

	Tool Type: Brad Point Drill	Coolant: Off	
Mfg. Code:	Name: Brad Point Drill	Spindle Dir.: CW	
Asm. Name:	Material:	RPM: 0	
Aggregate: No	Diameter: 0.25"	SFM: 0	
Units: Inch	Overall Lng.: 2.0"	Feedrate: 0.0 inch/min	
Holder Name: BLANK	Shoulder Lng.: 1.5"	Feed/Tooth: 0.0 inch/rev	
Holder Lng.: 0.0"	Flute Lng.: 1.0"		
Lng. Offset: 21	Flutes: 4		

**T22: Custom**

	Tool Type: Custom	Coolant: Off	
Mfg. Code:	Name: Custom	Spindle Dir.: CW	
Asm. Name:	Material:	RPM: 1000	
Aggregate: No	Diameter: 1.0"	SFM: 262	
Units: Inch	Overall Lng.: 2.0"	Feedrate: 5.0 inch/min	
Holder Name: BLANK	Shoulder Lng.: 1.2"	Feed/Tooth: 0.0013 inch/rev	
Holder Lng.: 0.0"	Flute Lng.: 1.0"	Plunge Feed: 0.0 inch/min	
Lng. Offset: 22	Corner Radius: 0.0"	Retract Feed: 0.0 inch/min	
Dia. Offset: 22			