Mastercam X

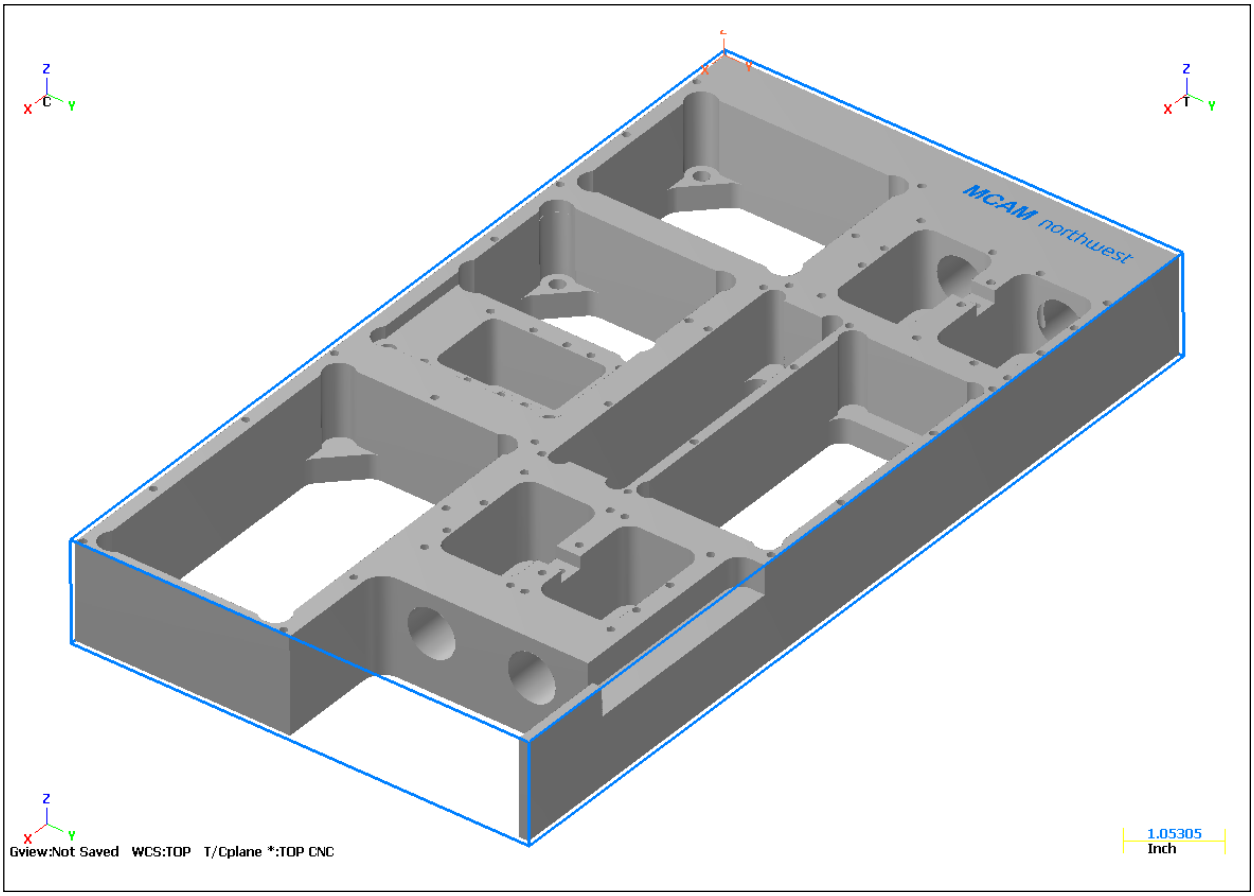
Setup Sheet Report

GENERIC HAAS 4 - AXIS VMC

GENERAL INFORMATION

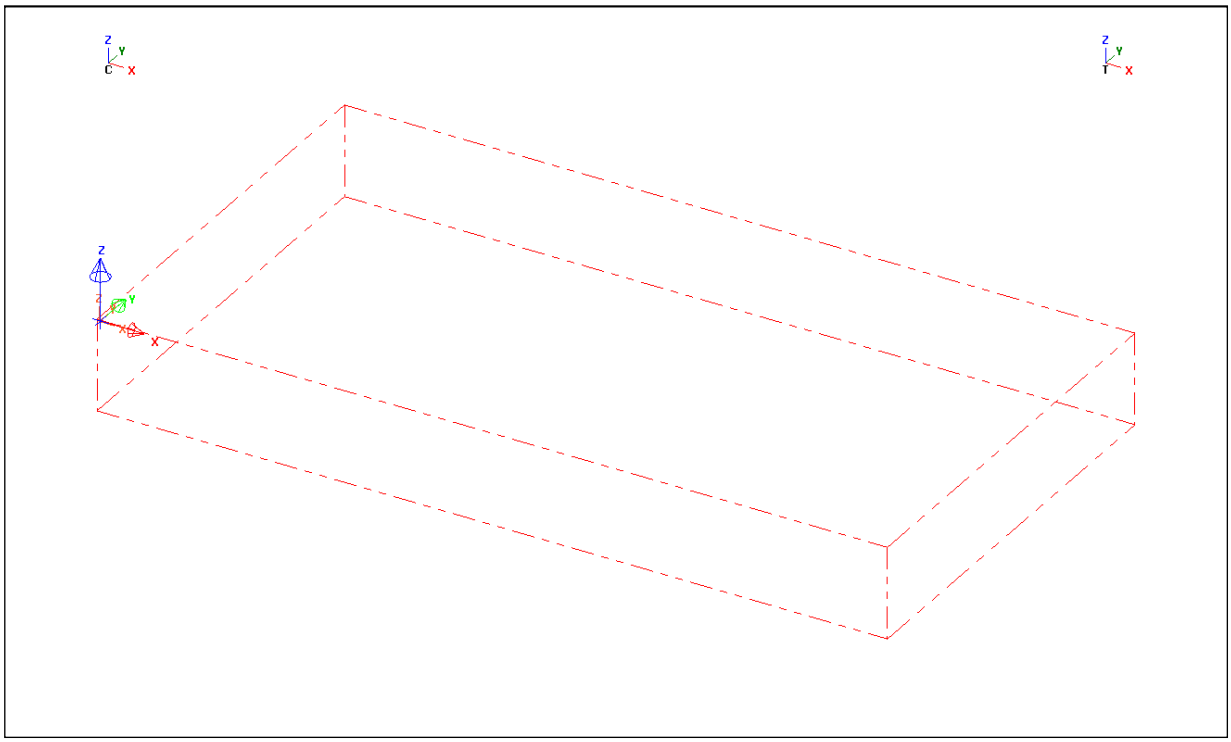
PROJECT NAME:	Streaming Teacher Demo- Demo4-Fin	
CUSTOMER NAME:	MCAM NW	
PROGRAMMER:	Jim Varco	
DRAWING:	ABC	REVISION: 1
DATE:	Friday, November 05, 2010	
TIME:	03:38 AM	

C:\USERS\JIM\DESKTOP\DEMO4-FIN.MCX



COMMENTS

STOCK / SAFEZONE INFO



STOCK:	YES
SHAPE:	Box
SIZE:	11.062, 5.9995, 1.282
RADIUS:	NA
LENGTH:	NA
AXIS:	NA
FILE:	NA
IDN:	NA

SAFEZONE:	NO
SHAPE:	NA
SIZE:	NA
RADIUS:	NA
LENGTH:	NA
AXIS:	NA

C:\APPLICATIONS\CAD-CAM\MCAMX4\MILL\NCI\DEMO4-FIN.NCI

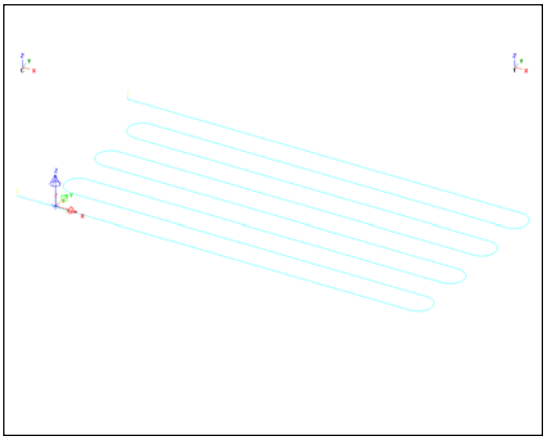
CYCLE TIME:	01 HOURS, 02 MINUTES, 58 SECONDS

OPERATION LIST

OPERATION INFO — *Facing*

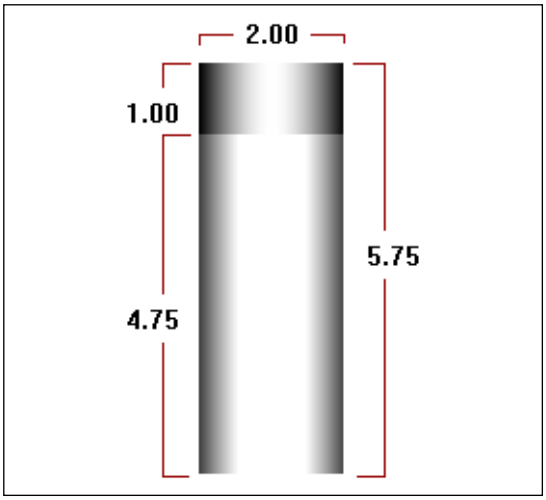
CYCLE TIME:	00 HOURS, 01 MINUTES, 19 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	1910 RPM
FEEDRATE:	76.4 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.25
FEED PLANE:	0.05
DEPTH:	-0.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO — *#1 - 2.0000 ENDMILL1 FLAT - 2 INCH FLAT ENDMILL*

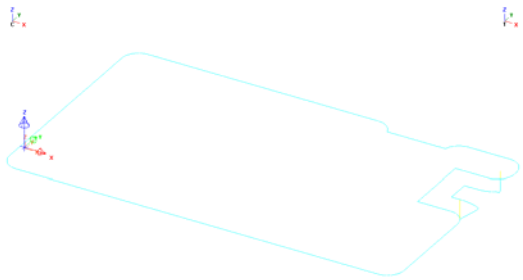
TYPE:	Endmill1 Flat
NUMBER:	1
DIAMETER:	2.0
CORNER RADIUS:	0.0
LENGTH OFFSET:	1
DIAMETER OFFSET:	1
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.01
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:19



OPERATION INFO *2D High Speed (2D Core Mill)*

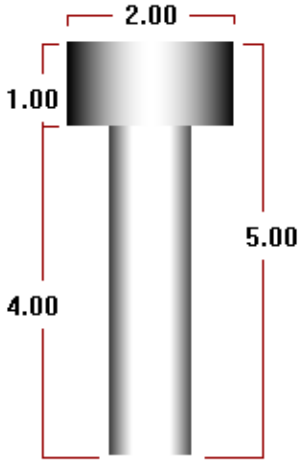
CYCLE TIME:	00 HOURS, 00 MINUTES, 35 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	3820 RPM
FEEDRATE:	76.4 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#2 - 1.0000 ENDMILL1 FLAT - 1 INCH FLAT ENDMILL*

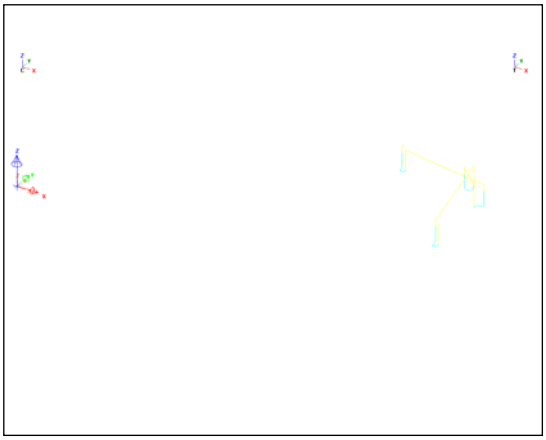
TYPE:	Endmill1 Flat
NUMBER:	2
DIAMETER:	1.0
CORNER RADIUS:	0.0
LENGTH OFFSET:	2
DIAMETER OFFSET:	2
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:35



OPERATION INFO *2D High Speed (2D Rest Mill)*

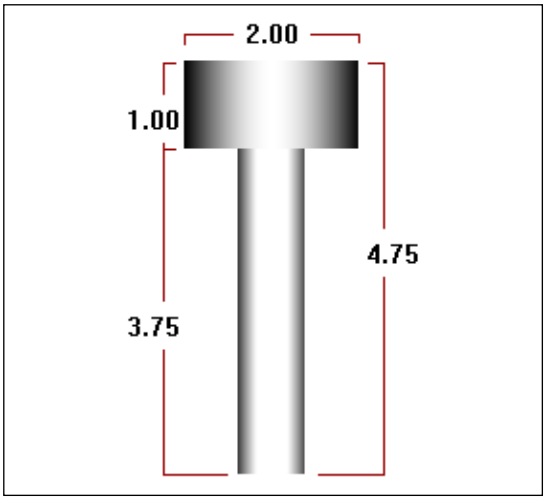
CYCLE TIME:	00 HOURS, 00 MINUTES, 06 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	5093 RPM
FEEDRATE:	76.395 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#3 - 0.7500 ENDMILL1 FLAT - 3/4 FLAT ENDMILL*

TYPE:	Endmill1 Flat
NUMBER:	3
DIAMETER:	0.75
CORNER RADIUS:	0.0
LENGTH OFFSET:	3
DIAMETER OFFSET:	3
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.00375
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:06



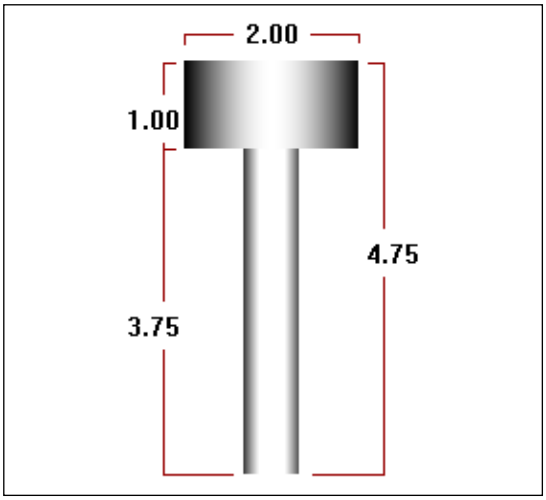
OPERATION INFO *2D High Speed (2D Rest Mill)*

CYCLE TIME:	00 HOURS, 00 MINUTES, 10 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	6112 RPM
FEEDRATE:	75.7888 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0

TOOL INFO *#4 - 0.6250 ENDMILL1 FLAT - 5/8 FLAT ENDMILL*

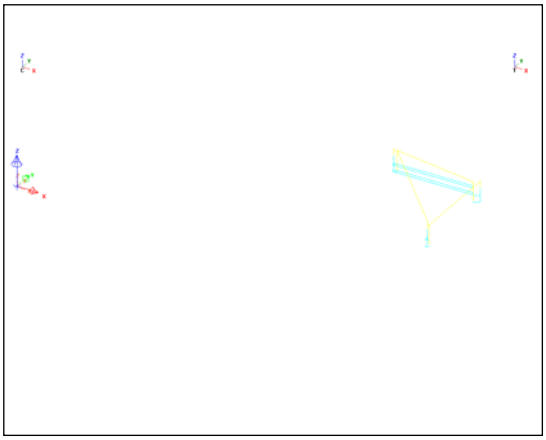
TYPE:	Endmill1 Flat
NUMBER:	4
DIAMETER:	0.625
CORNER RADIUS:	0.0
LENGTH OFFSET:	4
DIAMETER OFFSET:	4
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.0031
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:10



OPERATION INFO *2D High Speed (2D Rest Mill)*

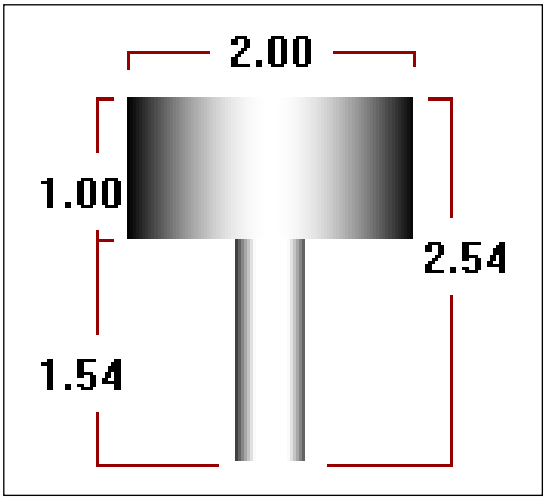
CYCLE TIME:	00 HOURS, 00 MINUTES, 09 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

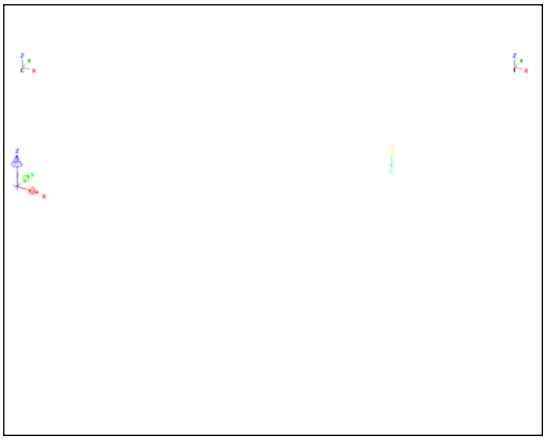
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:09



OPERATION INFO *2D High Speed (2D Rest Mill)*

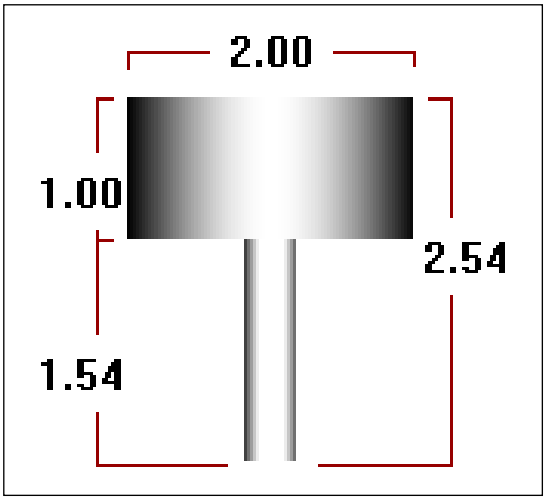
CYCLE TIME:	00 HOURS, 00 MINUTES, 00 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

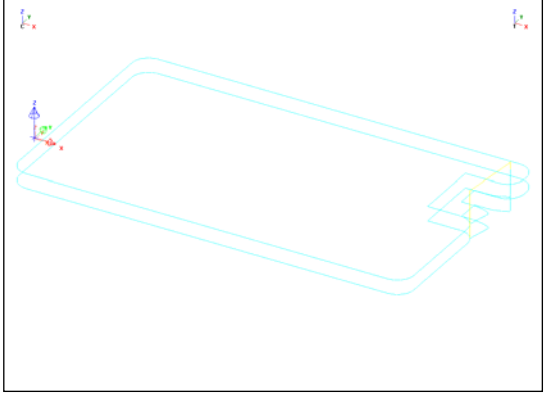
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:00



OPERATION INFO *2D High Speed (2D Core Mill)*

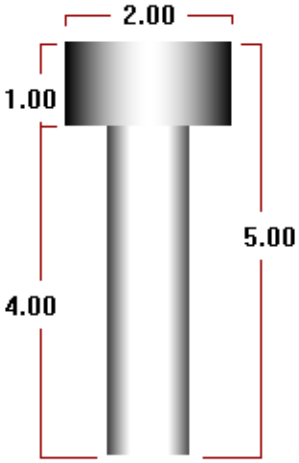
CYCLE TIME:	00 HOURS, 01 MINUTES, 12 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	3820 RPM
FEEDRATE:	76.4 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.282
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#2 - 1.0000 ENDMILL1 FLAT - 1 INCH FLAT ENDMILL*

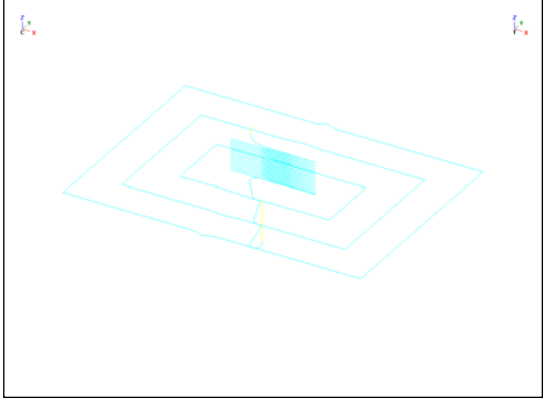
TYPE:	Endmill1 Flat
NUMBER:	2
DIAMETER:	1.0
CORNER RADIUS:	0.0
LENGTH OFFSET:	2
DIAMETER OFFSET:	2
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:12



OPERATION INFO *2D High Speed (2D Area Mill)*

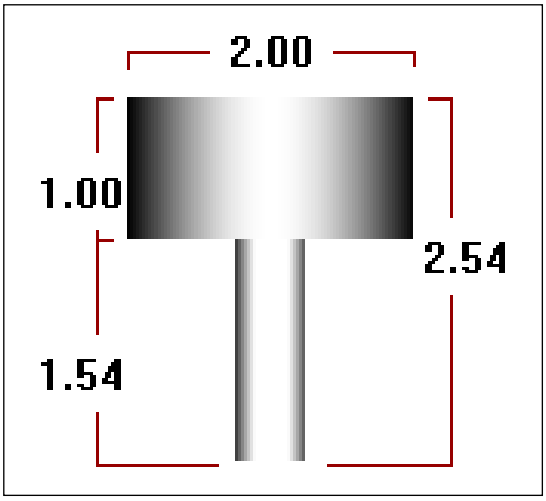
CYCLE TIME:	00 HOURS, 00 MINUTES, 26 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

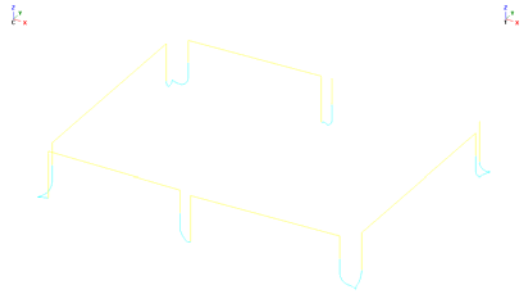
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:26



OPERATION INFO *2D High Speed (2D Rest Mill)*

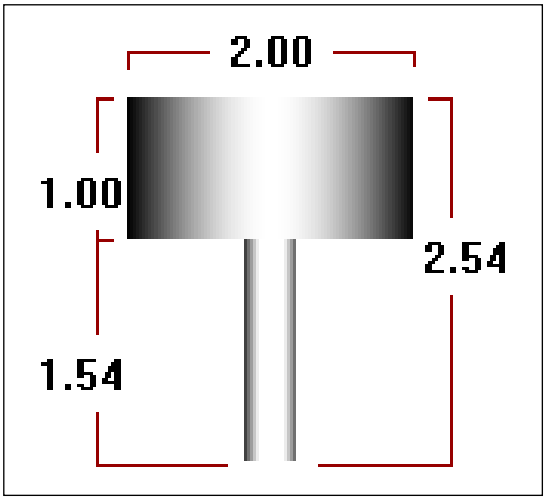
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

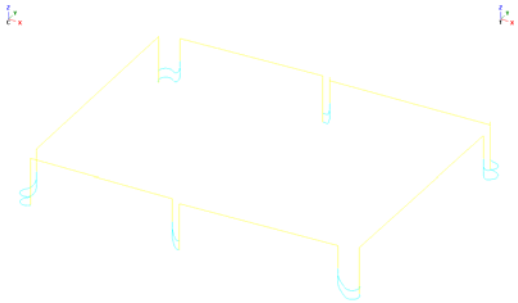
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *2D High Speed (2D Rest Mill)*

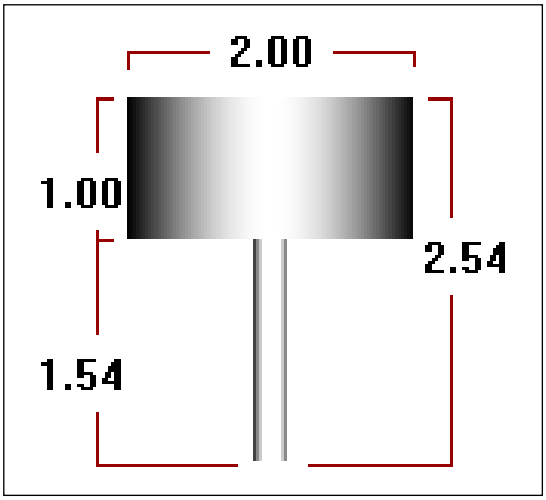
CYCLE TIME:	00 HOURS, 00 MINUTES, 07 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

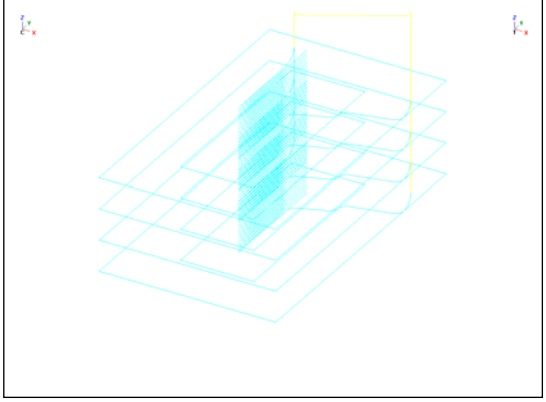
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:07



OPERATION INFO *2D High Speed (2D Area Mill)*

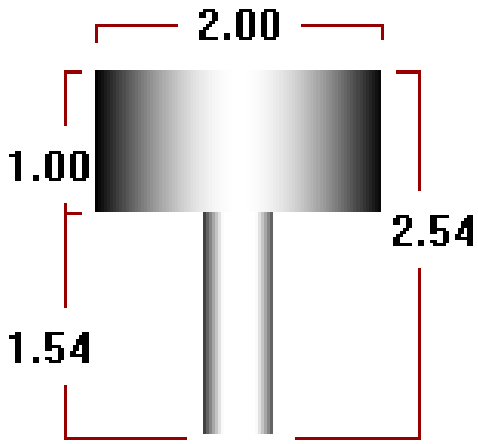
CYCLE TIME:	00 HOURS, 01 MINUTES, 39 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

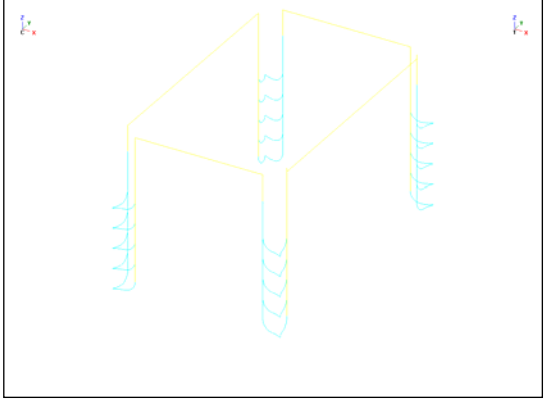
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:39



OPERATION INFO *2D High Speed (2D Rest Mill)*

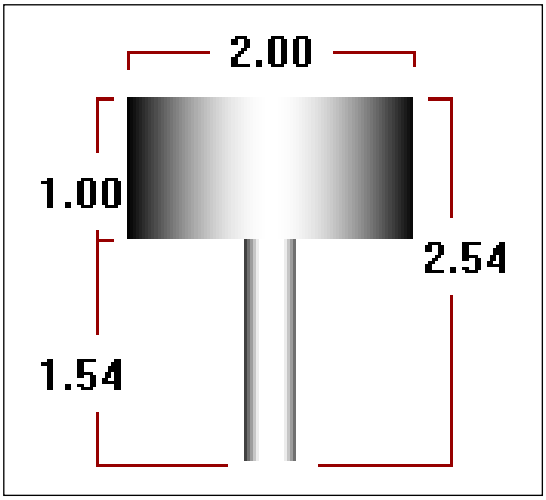
CYCLE TIME:	00 HOURS, 00 MINUTES, 21 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

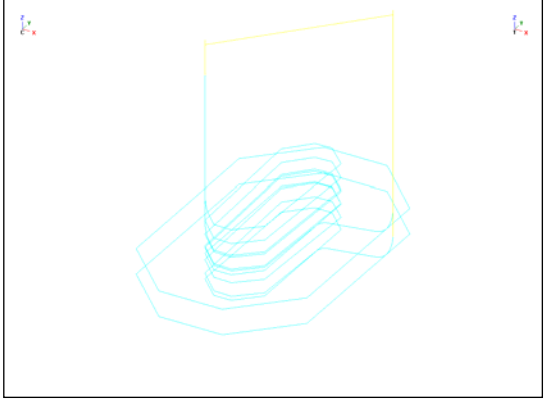
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:21



OPERATION INFO *2D High Speed (2D Area Mill)*

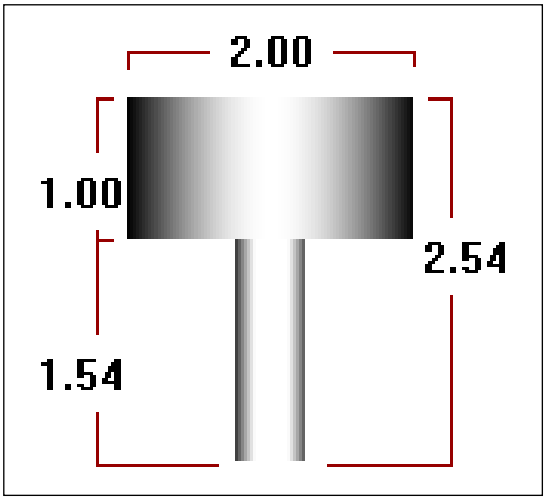
CYCLE TIME:	00 HOURS, 00 MINUTES, 23 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

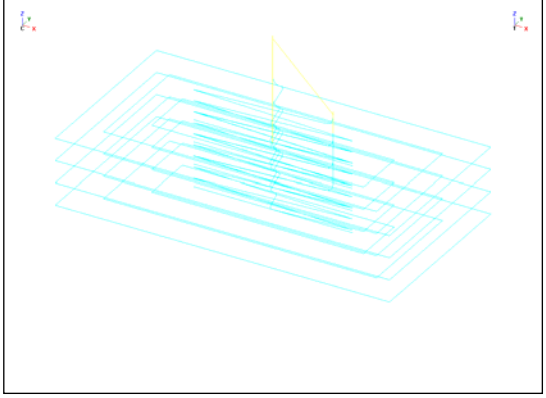
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:23



OPERATION INFO *2D High Speed (2D Area Mill)*

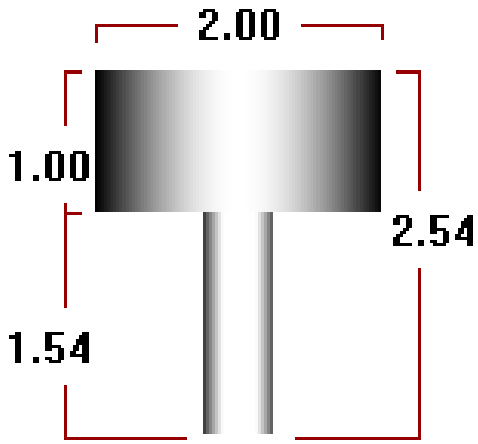
CYCLE TIME:	00 HOURS, 01 MINUTES, 22 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

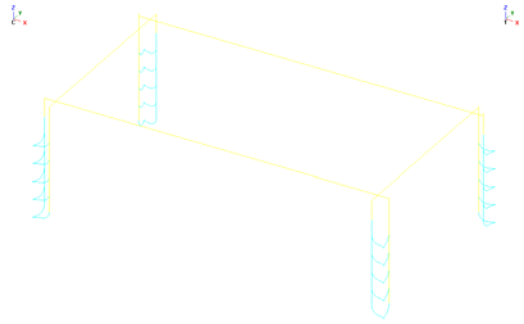
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:22



OPERATION INFO *2D High Speed (2D Rest Mill)*

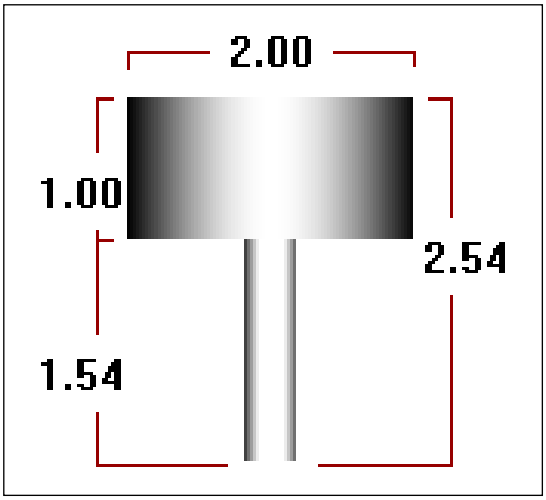
CYCLE TIME:	00 HOURS, 00 MINUTES, 26 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

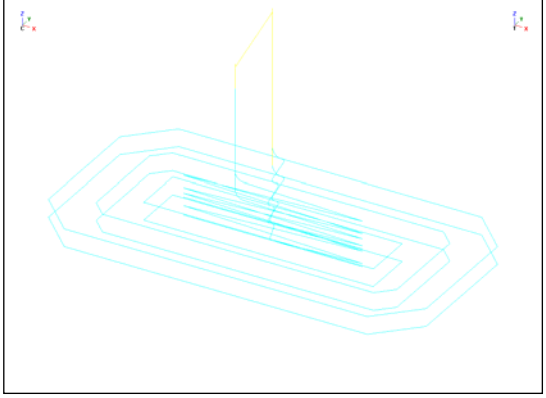
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:26



OPERATION INFO *2D High Speed (2D Area Mill)*

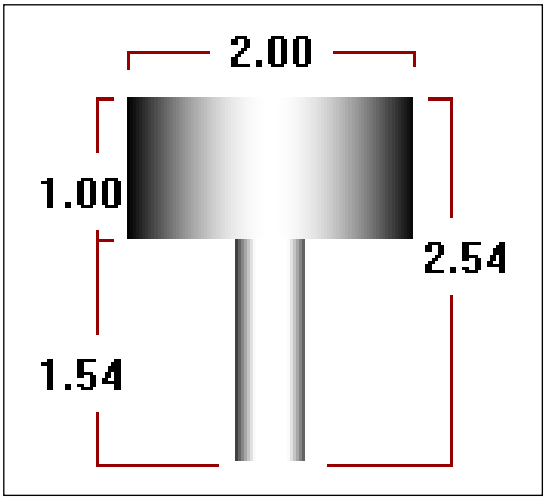
CYCLE TIME:	00 HOURS, 00 MINUTES, 37 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

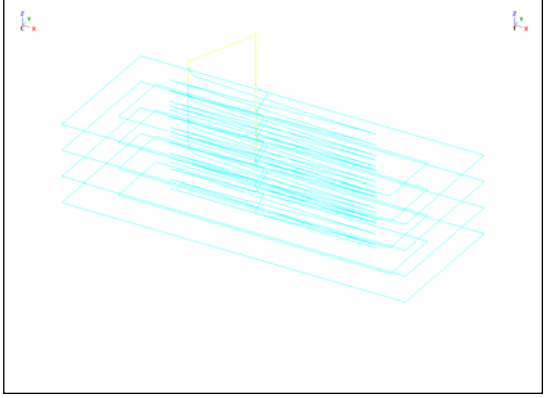
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:37



OPERATION INFO *2D High Speed (2D Area Mill)*

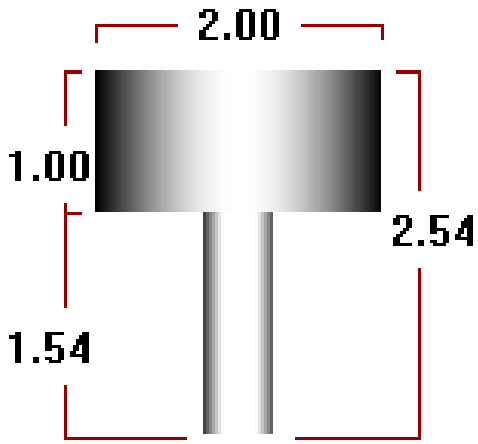
CYCLE TIME:	00 HOURS, 01 MINUTES, 16 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

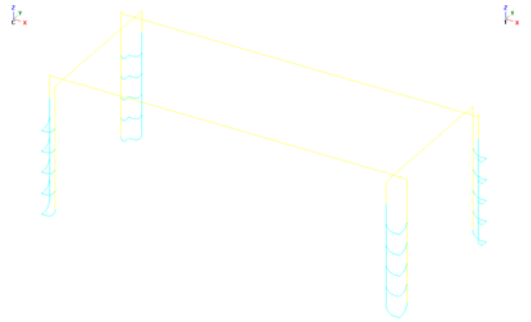
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:16



OPERATION INFO *2D High Speed (2D Rest Mill)*

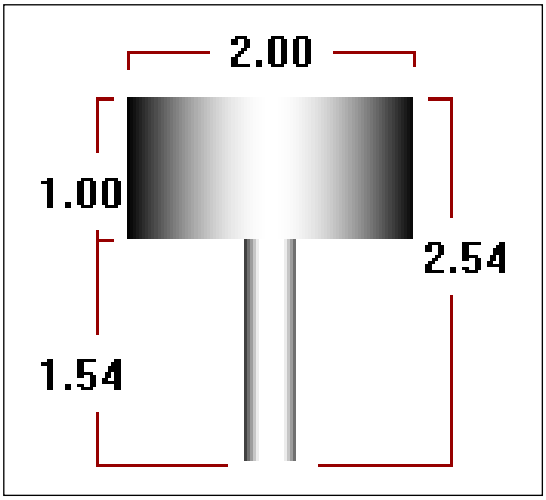
CYCLE TIME:	00 HOURS, 00 MINUTES, 23 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

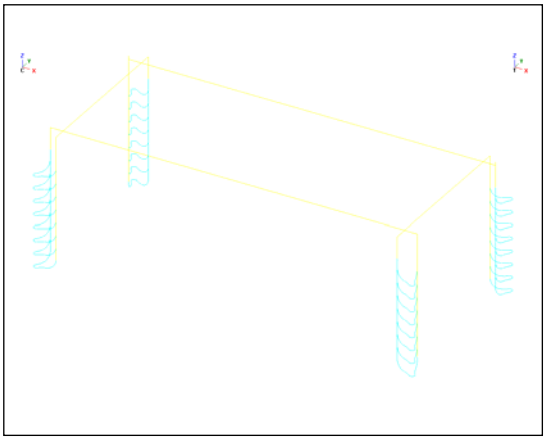
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:23



OPERATION INFO *2D High Speed (2D Rest Mill)*

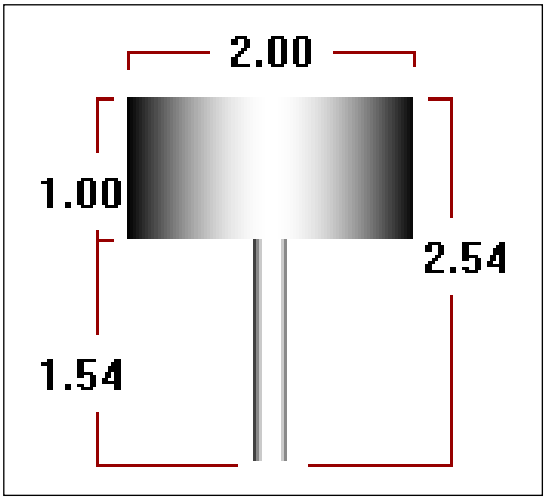
CYCLE TIME:	00 HOURS, 00 MINUTES, 34 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

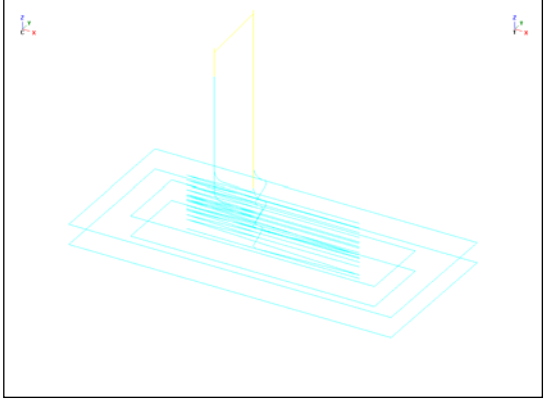
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:34



OPERATION INFO *2D High Speed (2D Area Mill)*

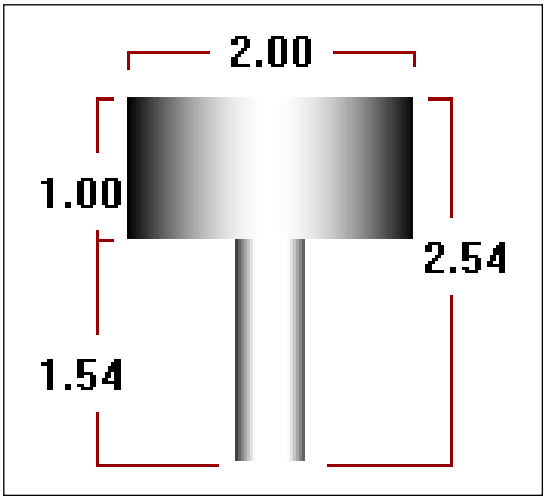
CYCLE TIME:	00 HOURS, 00 MINUTES, 45 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

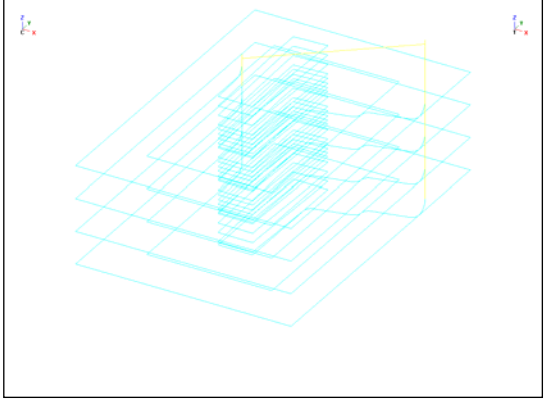
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:45



OPERATION INFO *2D High Speed (2D Area Mill)*

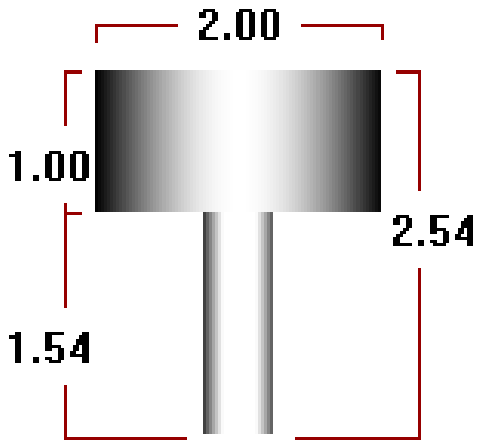
CYCLE TIME:	00 HOURS, 01 MINUTES, 08 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

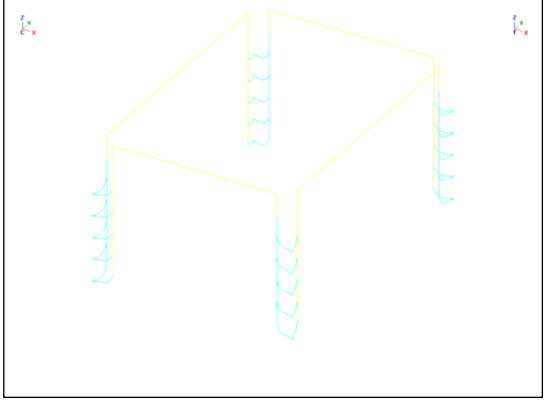
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:08



OPERATION INFO *2D High Speed (2D Rest Mill)*

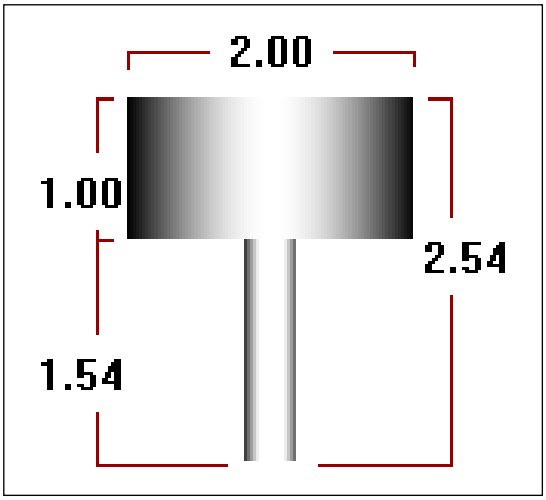
CYCLE TIME:	00 HOURS, 00 MINUTES, 21 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

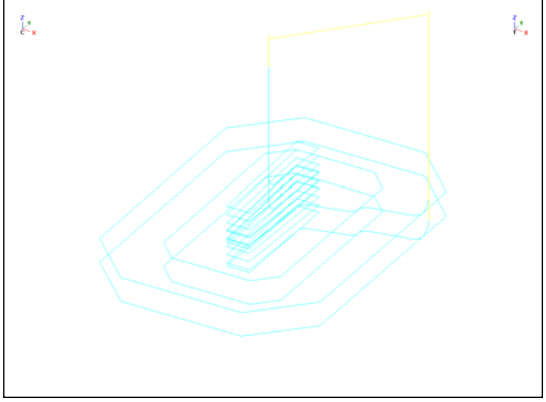
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:21



OPERATION INFO *2D High Speed (2D Area Mill)*

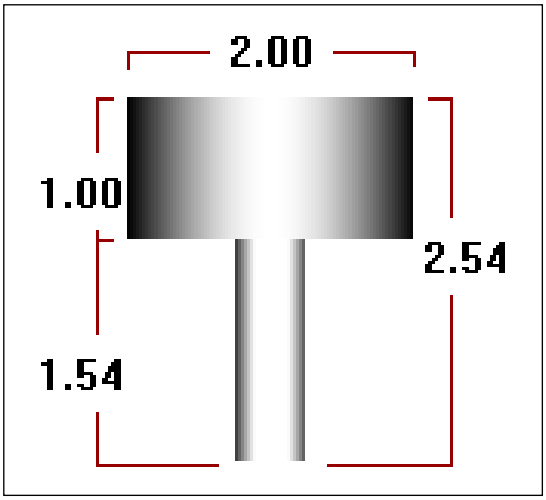
CYCLE TIME:	00 HOURS, 00 MINUTES, 29 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

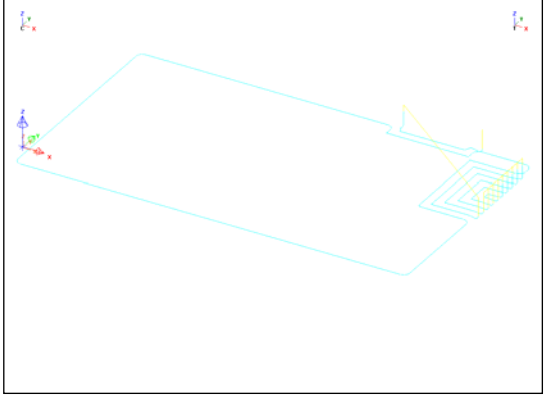
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:29



OPERATION INFO *2D High Speed (2D Core Mill)*

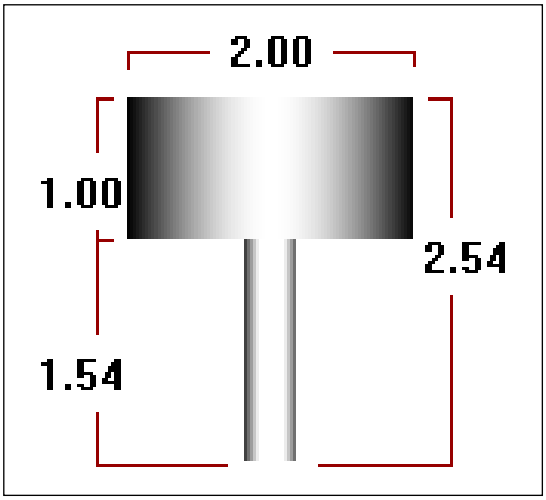
CYCLE TIME:	00 HOURS, 00 MINUTES, 21 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

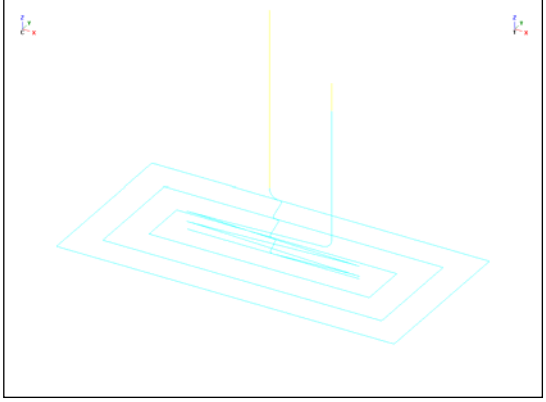
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:21



OPERATION INFO *2D High Speed (2D Area Mill)*

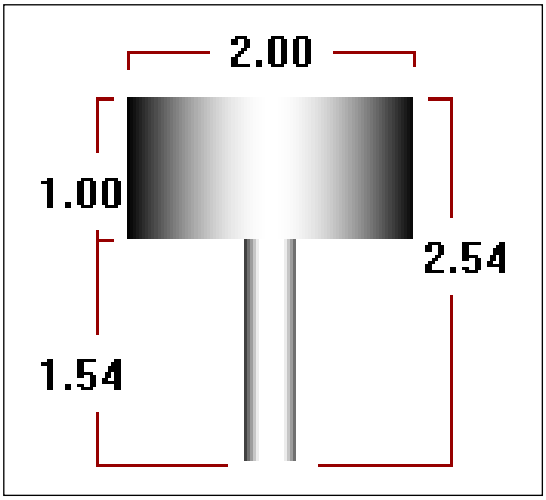
CYCLE TIME:	00 HOURS, 00 MINUTES, 11 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

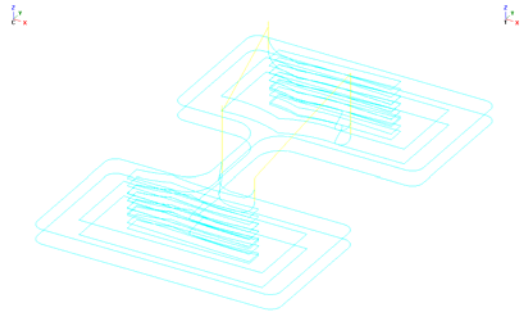
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:11



OPERATION INFO *2D High Speed (2D Area Mill)*

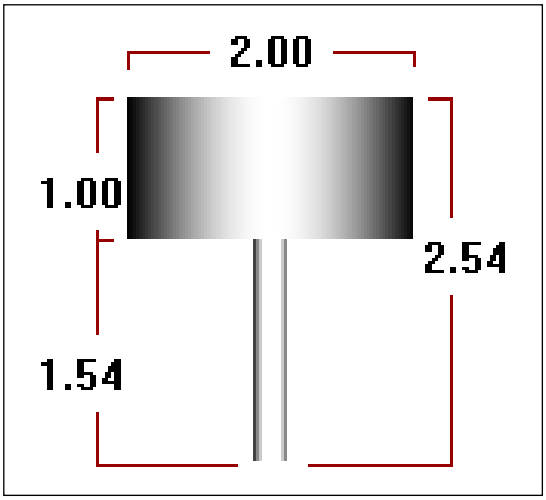
CYCLE TIME:	00 HOURS, 00 MINUTES, 20 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

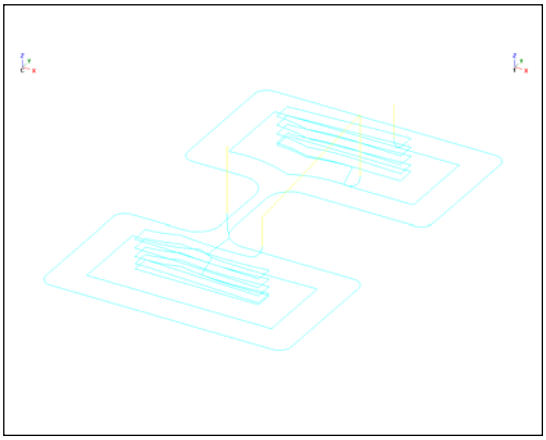
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:20



OPERATION INFO *2D High Speed (2D Area Mill)*

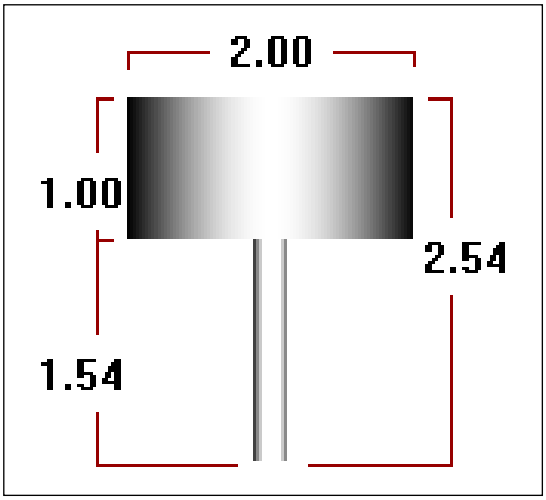
CYCLE TIME:	00 HOURS, 00 MINUTES, 08 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

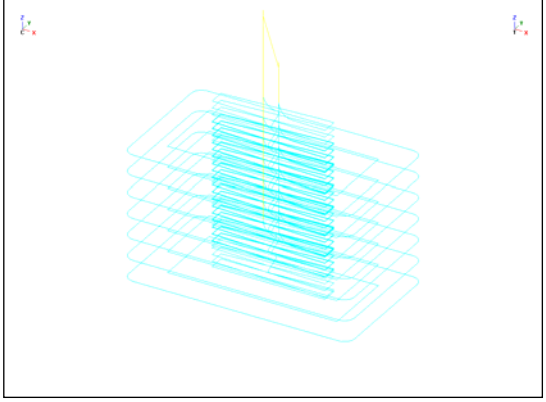
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:08



OPERATION INFO *2D High Speed (2D Area Mill)*

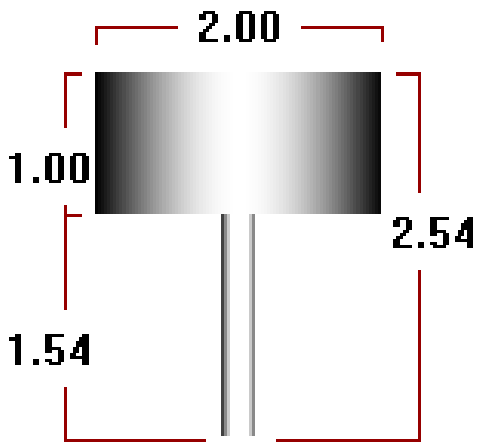
CYCLE TIME:	00 HOURS, 00 MINUTES, 41 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

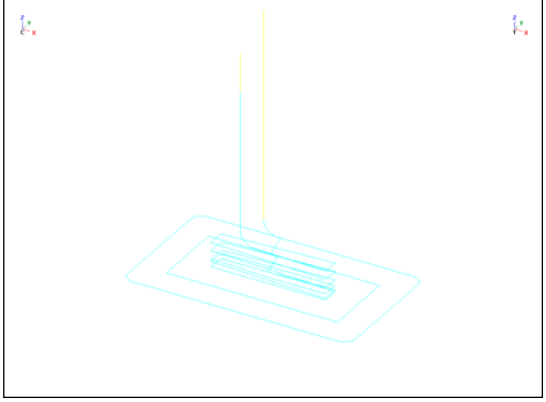
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:41



OPERATION INFO *2D High Speed (2D Area Mill)*

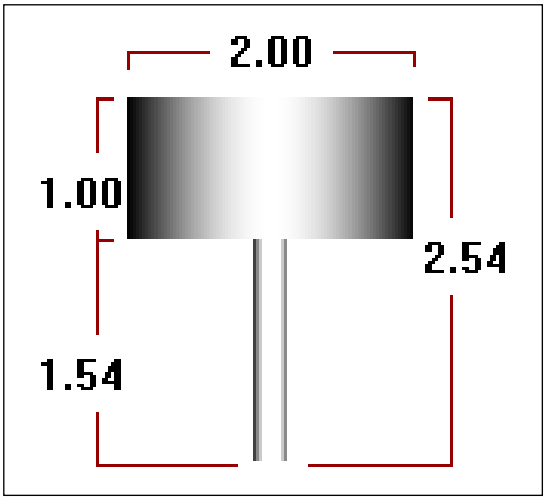
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

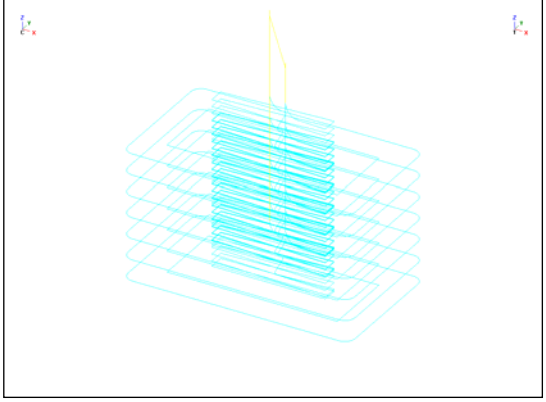
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *2D High Speed (2D Area Mill)*

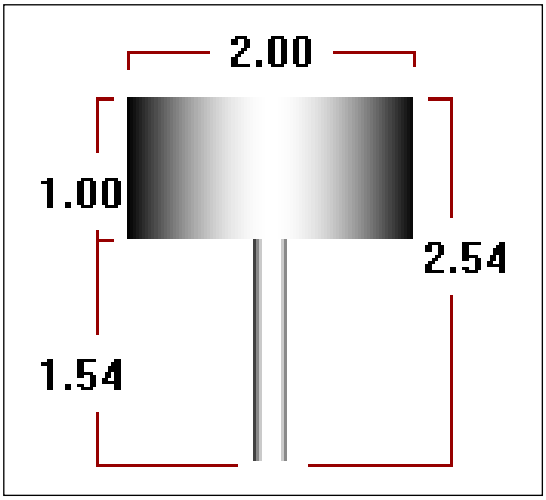
CYCLE TIME:	00 HOURS, 00 MINUTES, 41 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

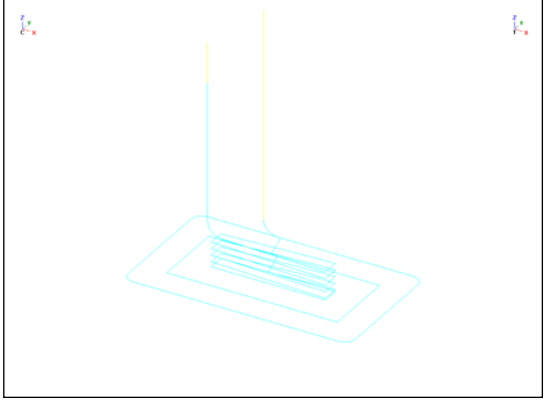
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:41



OPERATION INFO *2D High Speed (2D Area Mill)*

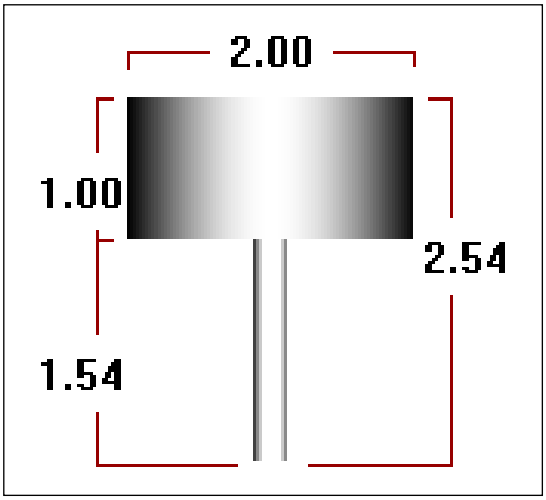
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

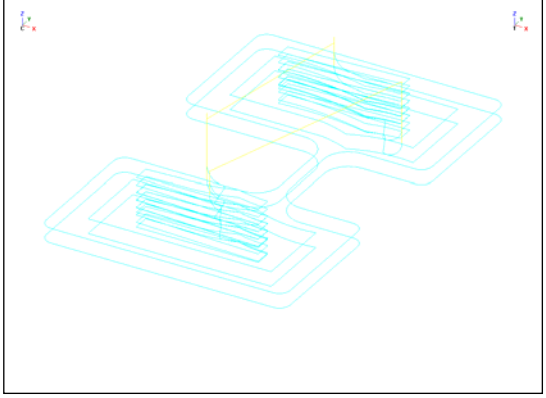
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *2D High Speed (2D Area Mill)*

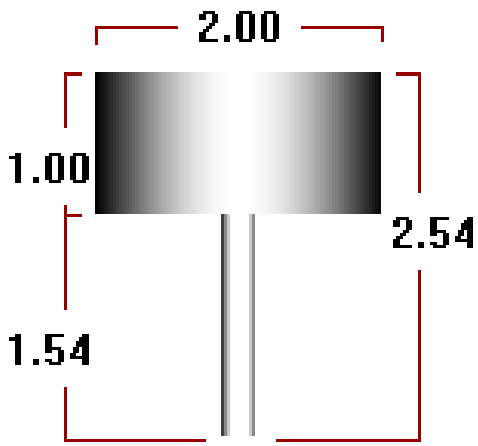
CYCLE TIME:	00 HOURS, 00 MINUTES, 20 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

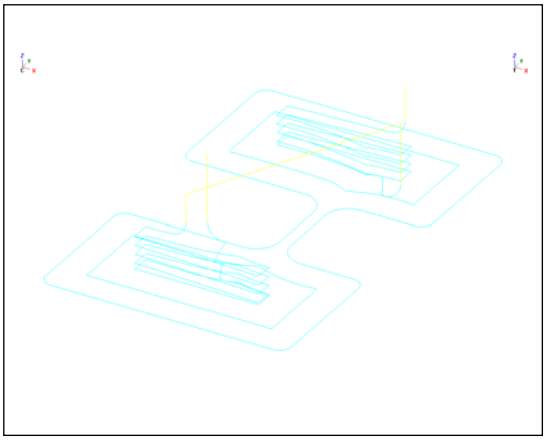
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:20



OPERATION INFO *2D High Speed (2D Area Mill)*

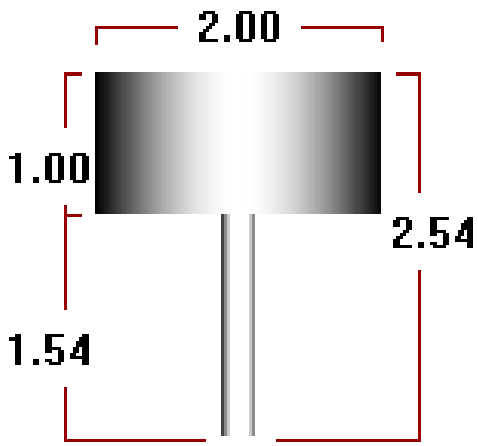
CYCLE TIME:	00 HOURS, 00 MINUTES, 08 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

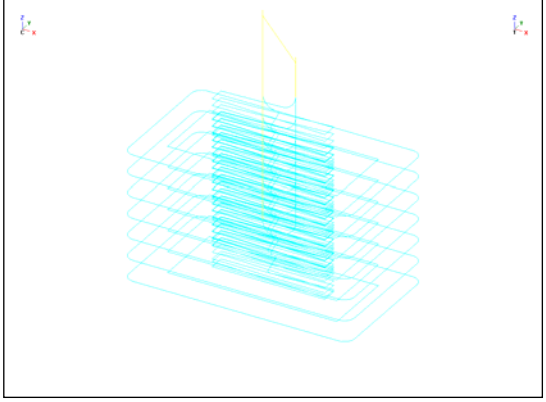
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:08



OPERATION INFO *2D High Speed (2D Area Mill)*

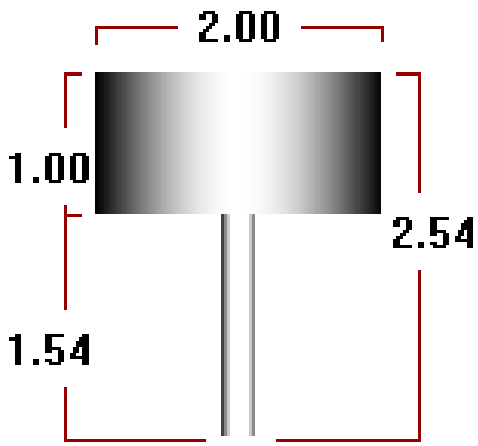
CYCLE TIME:	00 HOURS, 00 MINUTES, 44 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

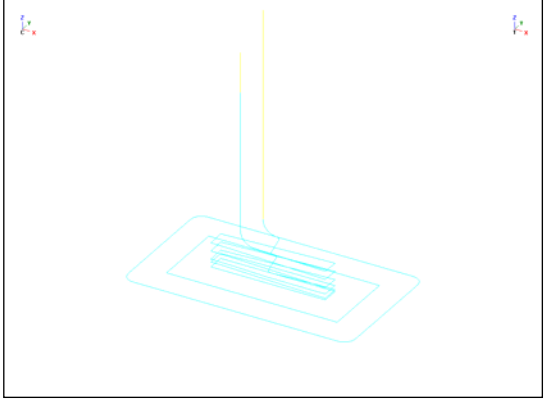
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:44



OPERATION INFO *2D High Speed (2D Area Mill)*

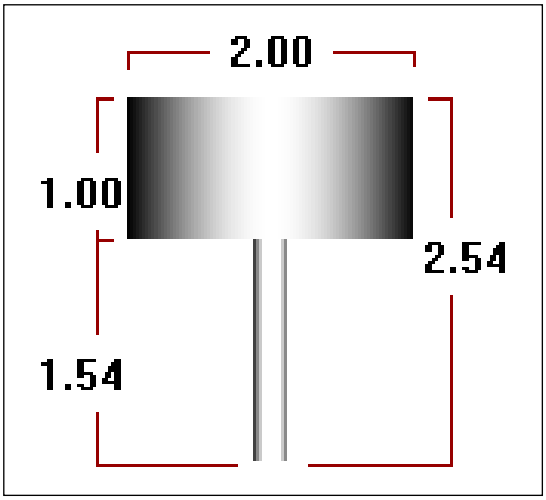
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

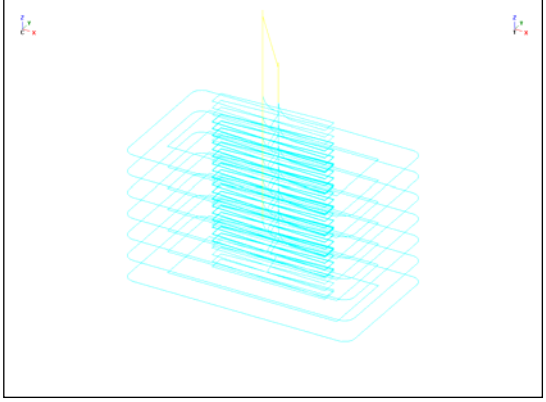
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *2D High Speed (2D Area Mill)*

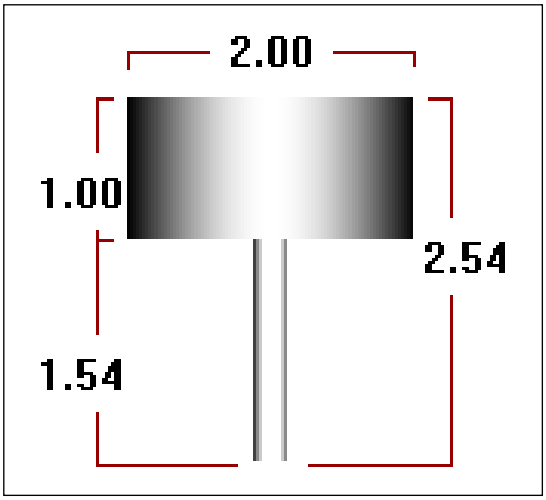
CYCLE TIME:	00 HOURS, 00 MINUTES, 41 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

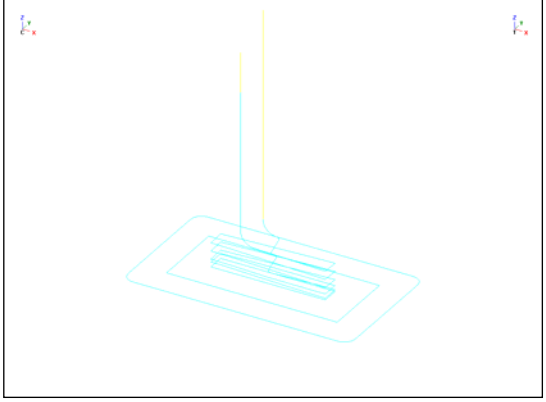
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:41



OPERATION INFO *2D High Speed (2D Area Mill)*

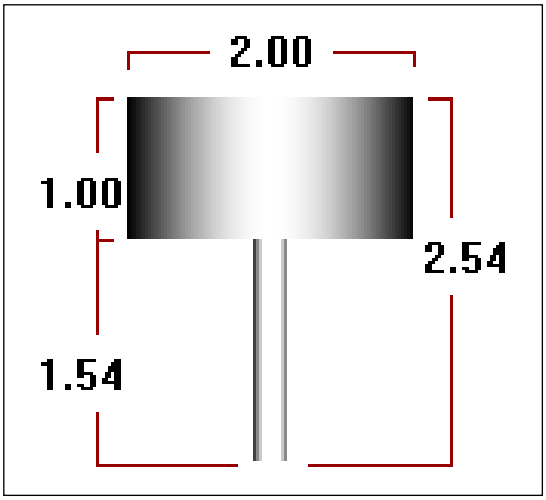
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

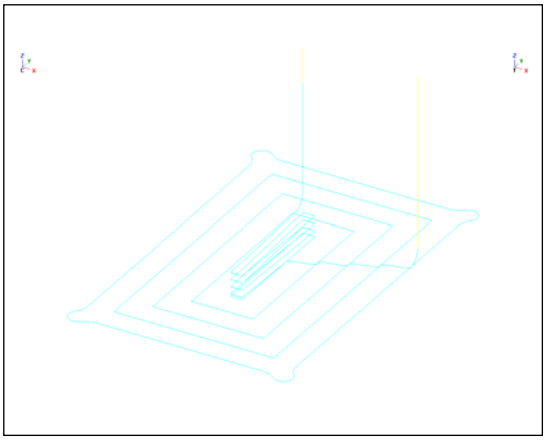
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *2D High Speed (2D Area Mill)*

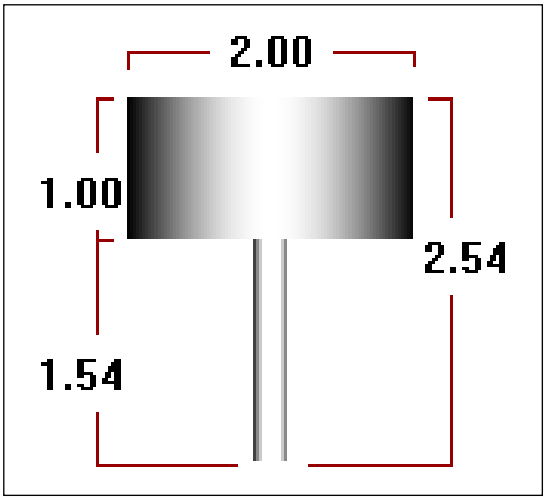
CYCLE TIME:	00 HOURS, 00 MINUTES, 07 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

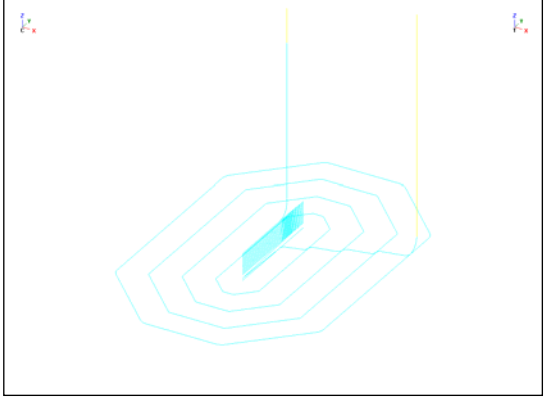
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:07



OPERATION INFO *2D High Speed (2D Area Mill)*

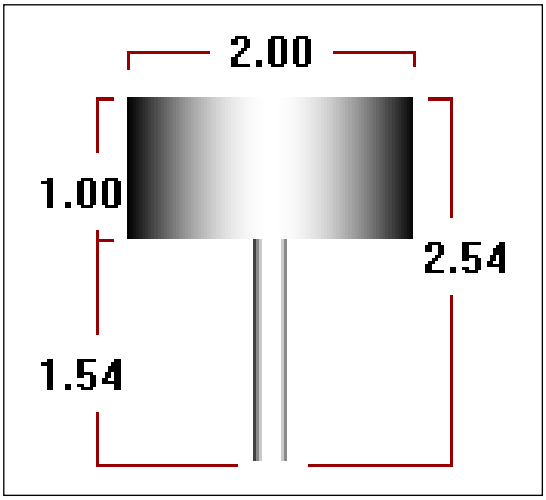
CYCLE TIME:	00 HOURS, 00 MINUTES, 13 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

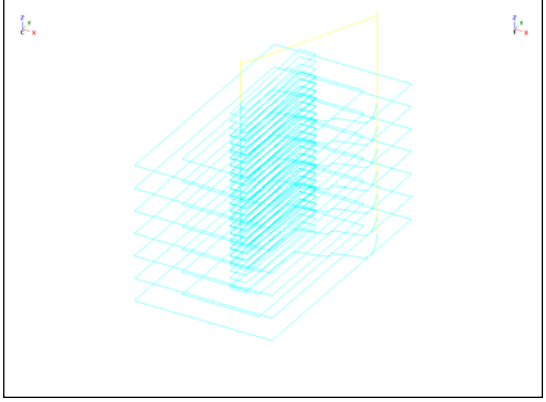
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:13



OPERATION INFO *2D High Speed (2D Area Mill)*

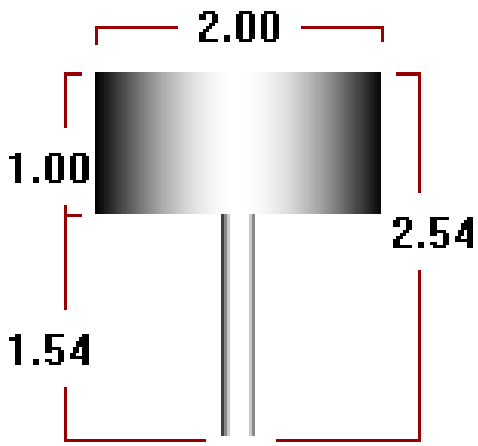
CYCLE TIME:	00 HOURS, 00 MINUTES, 41 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

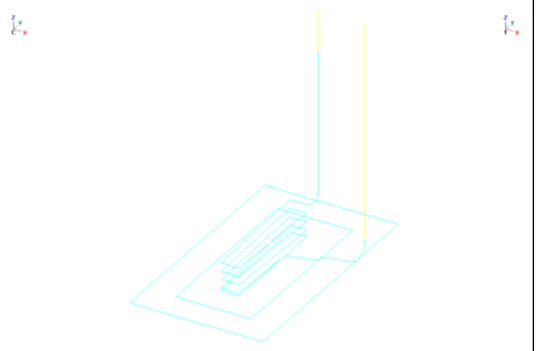
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:41



OPERATION INFO *2D High Speed (2D Area Mill)*

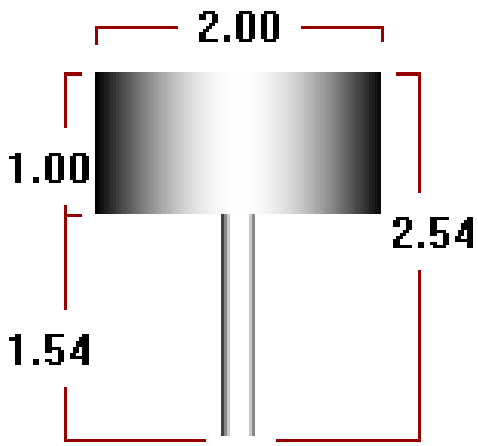
CYCLE TIME:	00 HOURS, 00 MINUTES, 04 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

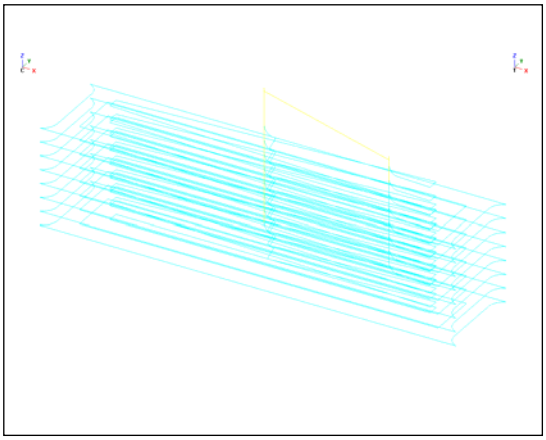
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:04



OPERATION INFO *2D High Speed (2D Area Mill)*

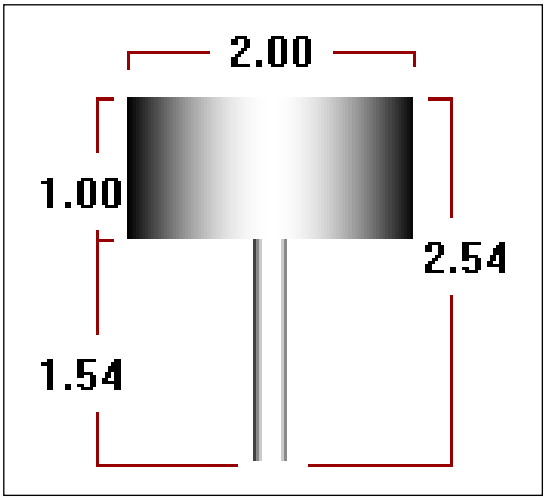
CYCLE TIME:	00 HOURS, 01 MINUTES, 02 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

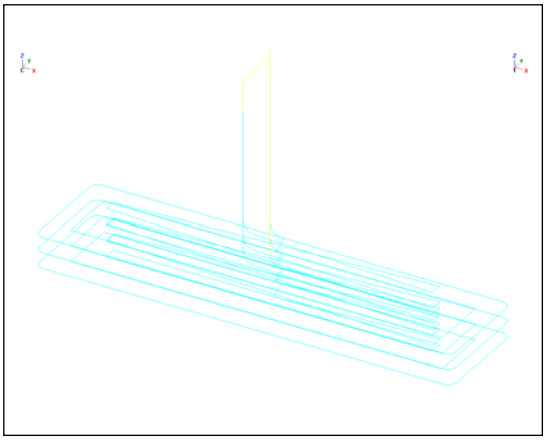
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:02



OPERATION INFO *2D High Speed (2D Area Mill)*

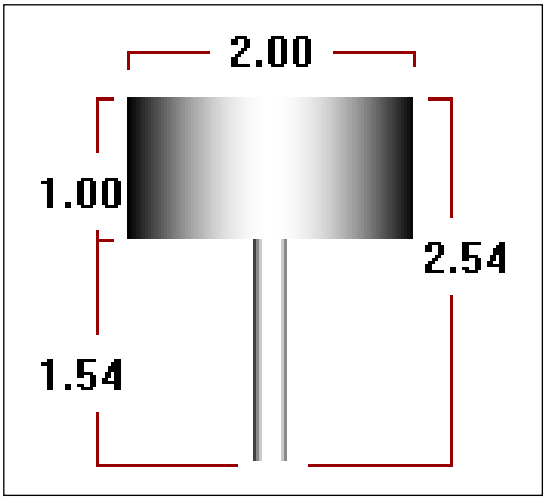
CYCLE TIME:	00 HOURS, 00 MINUTES, 22 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

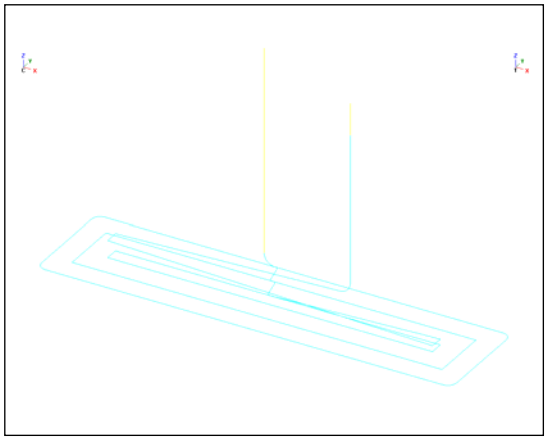
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:22



OPERATION INFO *2D High Speed (2D Area Mill)*

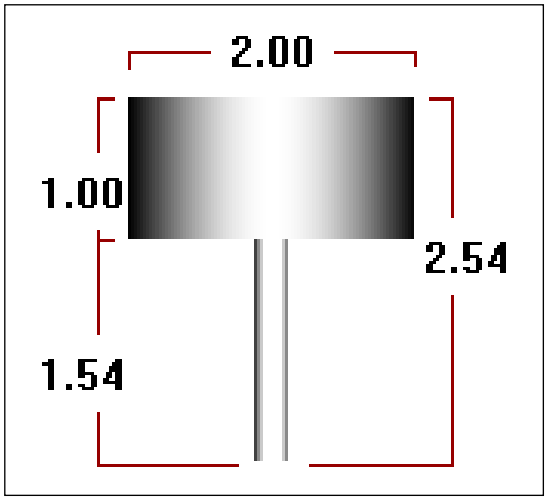
CYCLE TIME:	00 HOURS, 00 MINUTES, 06 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

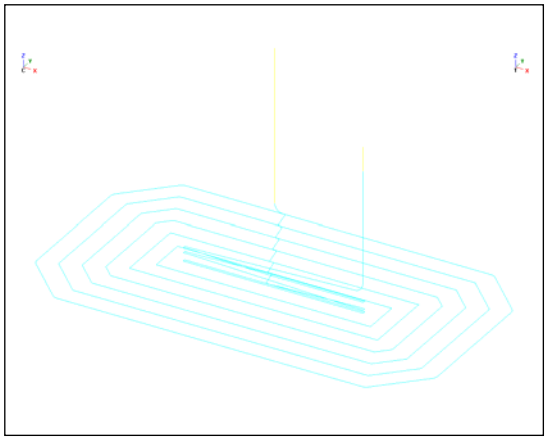
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:06



OPERATION INFO *2D High Speed (2D Area Mill)*

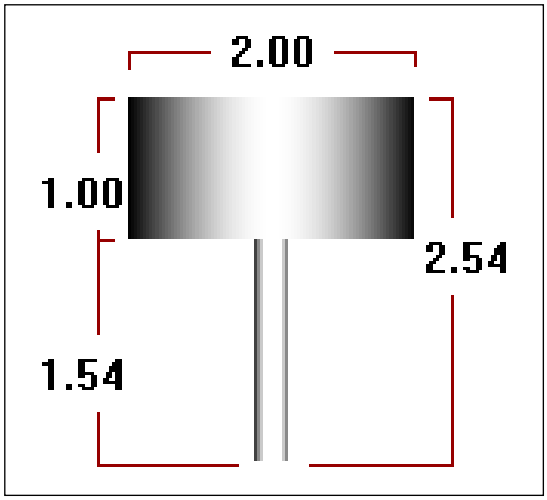
CYCLE TIME:	00 HOURS, 00 MINUTES, 14 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

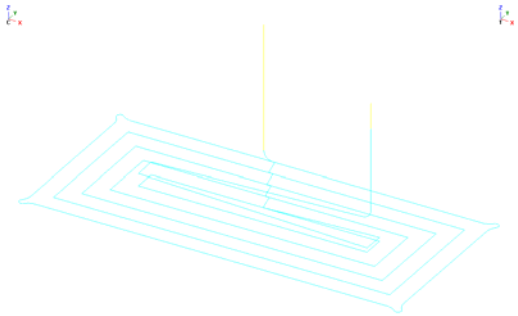
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:14



OPERATION INFO *2D High Speed (2D Area Mill)*

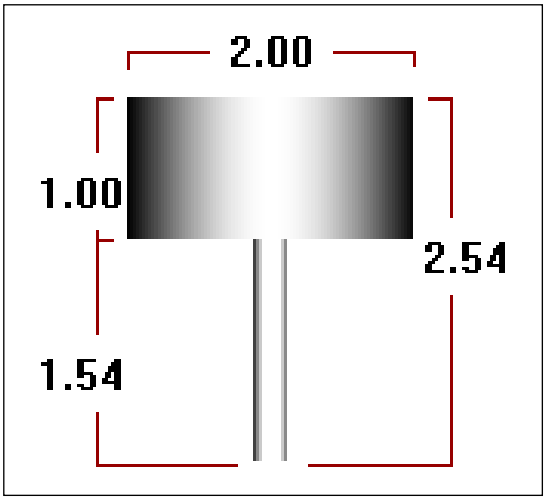
CYCLE TIME:	00 HOURS, 00 MINUTES, 10 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

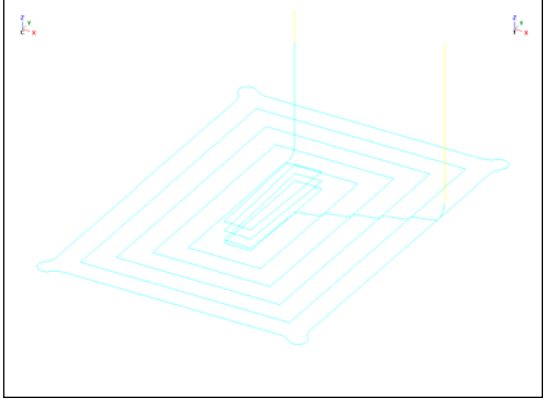
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:10



OPERATION INFO *2D High Speed (2D Area Mill)*

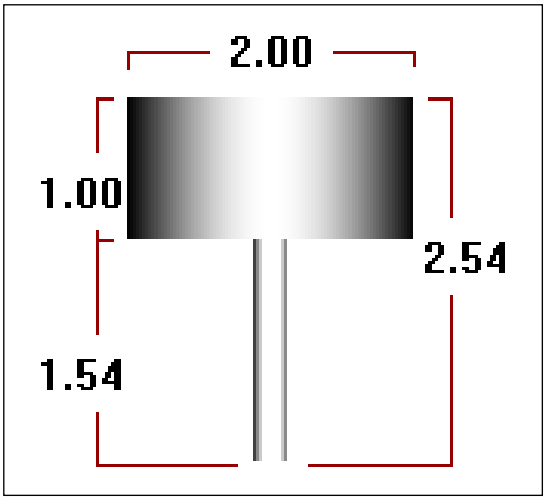
CYCLE TIME:	00 HOURS, 00 MINUTES, 09 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

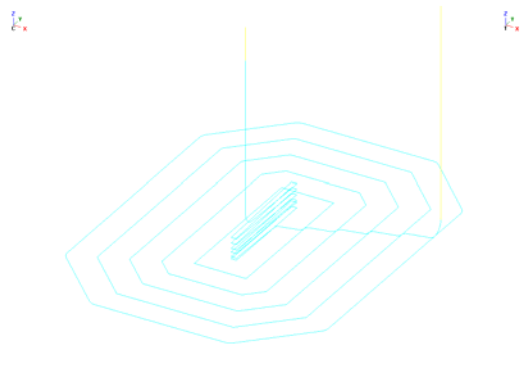
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:09



OPERATION INFO *2D High Speed (2D Area Mill)*

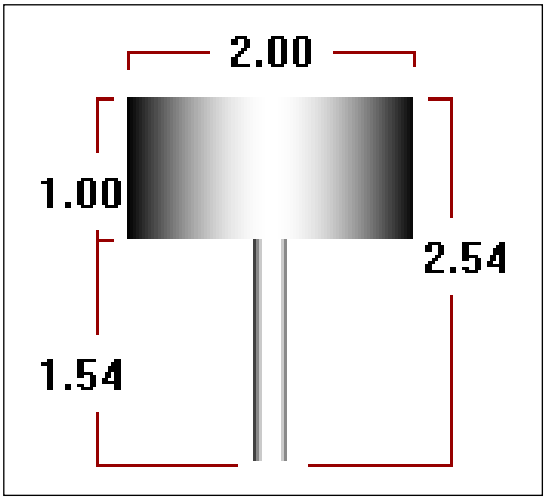
CYCLE TIME:	00 HOURS, 00 MINUTES, 09 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

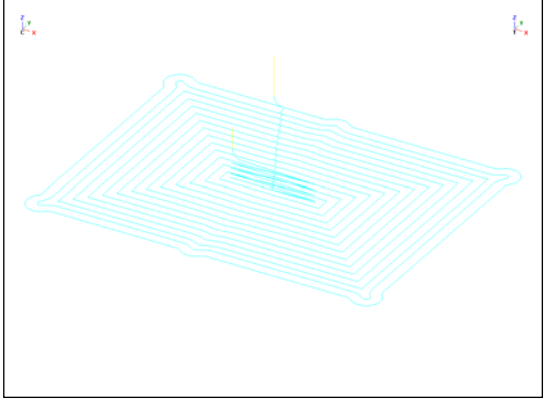
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:09



OPERATION INFO *2D High Speed (2D Area Mill)*

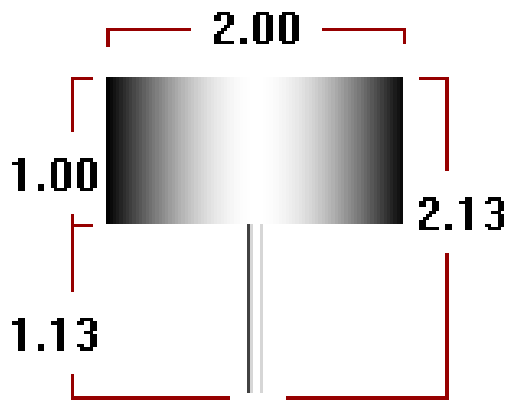
CYCLE TIME:	00 HOURS, 00 MINUTES, 10 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

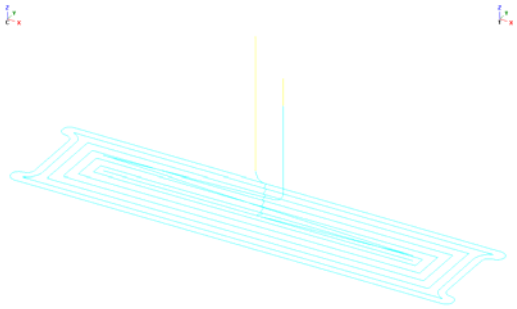
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:10



OPERATION INFO *2D High Speed (2D Area Mill)*

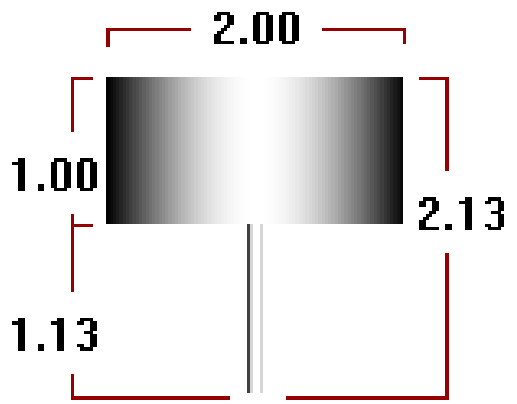
CYCLE TIME:	00 HOURS, 00 MINUTES, 06 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

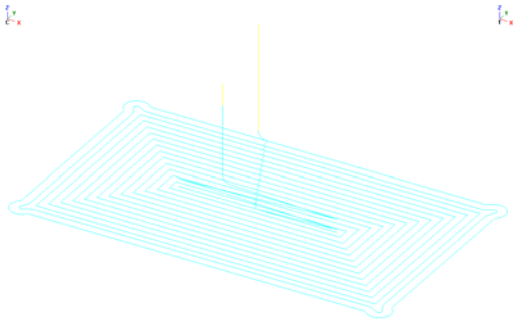
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:06



OPERATION INFO *2D High Speed (2D Area Mill)*

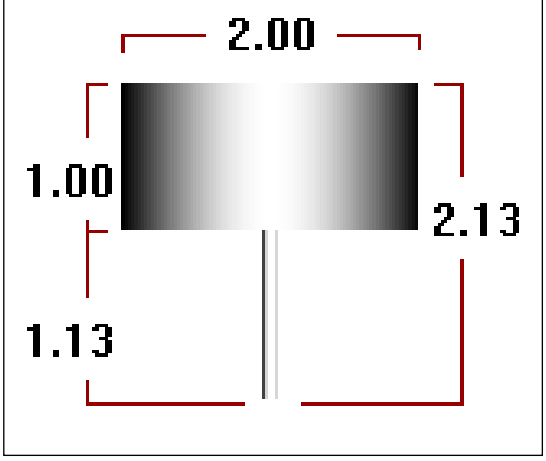
CYCLE TIME:	00 HOURS, 00 MINUTES, 13 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

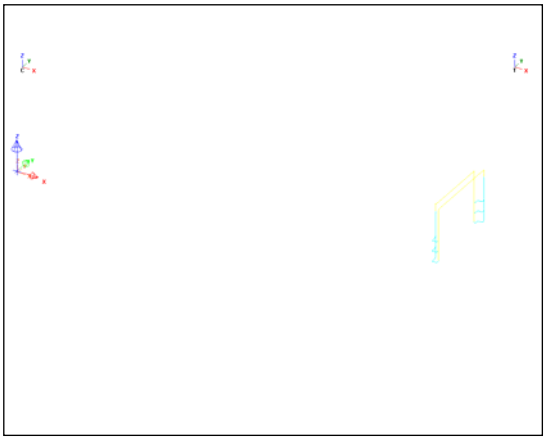
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:13



OPERATION INFO *2D High Speed (2D Rest Mill)*

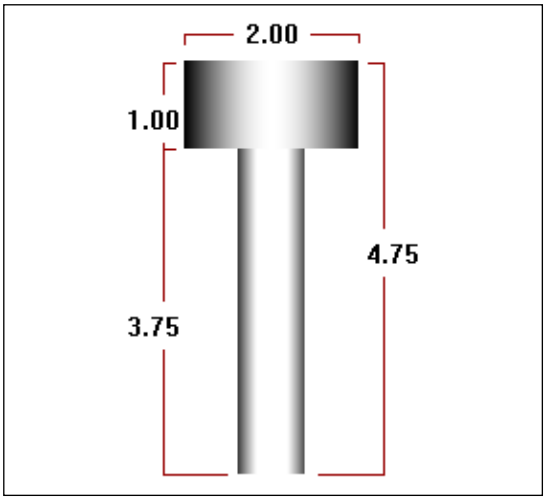
CYCLE TIME:	00 HOURS, 00 MINUTES, 15 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	5093 RPM
FEEDRATE:	76.395 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.282
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#3 - 0.7500 ENDMILL1 FLAT - 3/4 FLAT ENDMILL*

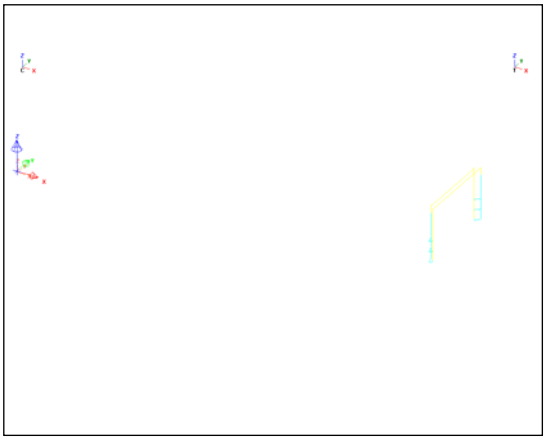
TYPE:	Endmill1 Flat
NUMBER:	3
DIAMETER:	0.75
CORNER RADIUS:	0.0
LENGTH OFFSET:	3
DIAMETER OFFSET:	3
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.00375
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:15



OPERATION INFO *2D High Speed (2D Rest Mill)*

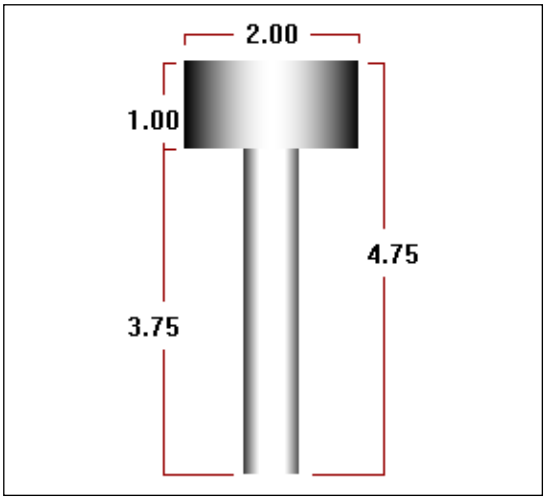
CYCLE TIME:	00 HOURS, 00 MINUTES, 15 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	6112 RPM
FEEDRATE:	75.7888 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.282
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#4 - 0.6250 ENDMILL1 FLAT - 5/8 FLAT ENDMILL*

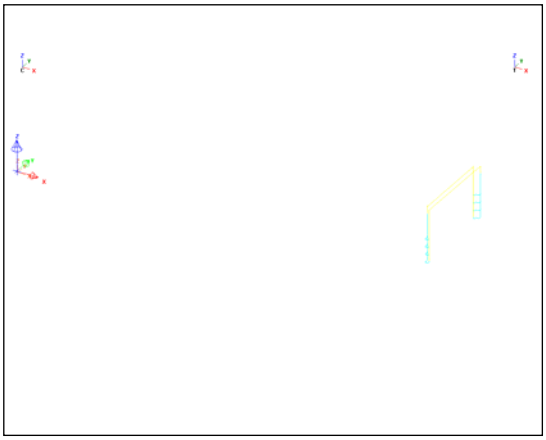
TYPE:	Endmill1 Flat
NUMBER:	4
DIAMETER:	0.625
CORNER RADIUS:	0.0
LENGTH OFFSET:	4
DIAMETER OFFSET:	4
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.0031
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:15



OPERATION INFO *2D High Speed (2D Rest Mill)*

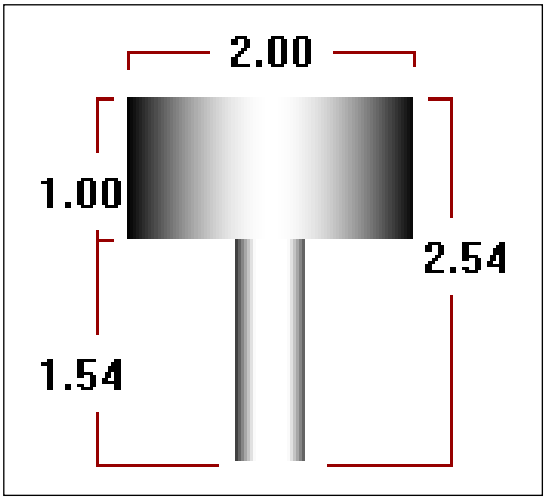
CYCLE TIME:	00 HOURS, 00 MINUTES, 13 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.282
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

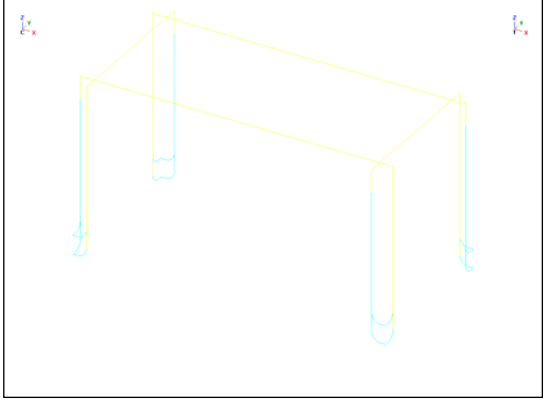
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:13



OPERATION INFO *2D High Speed (2D Rest Mill)*

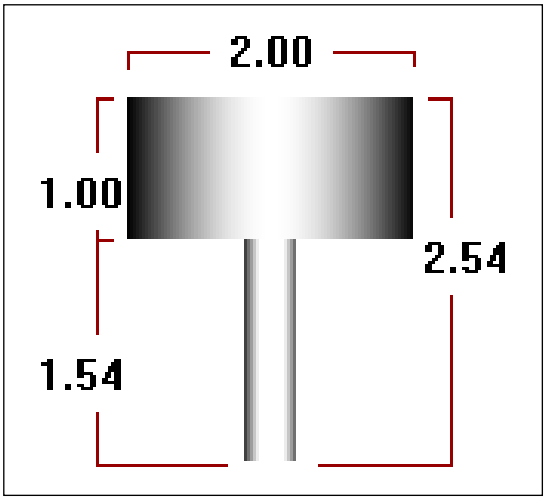
CYCLE TIME:	00 HOURS, 00 MINUTES, 12 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

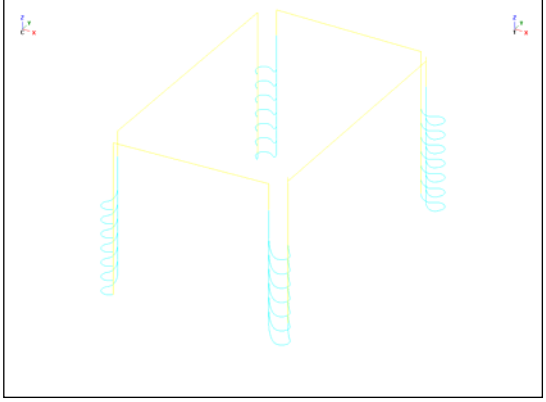
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:12



OPERATION INFO *2D High Speed (2D Rest Mill)*

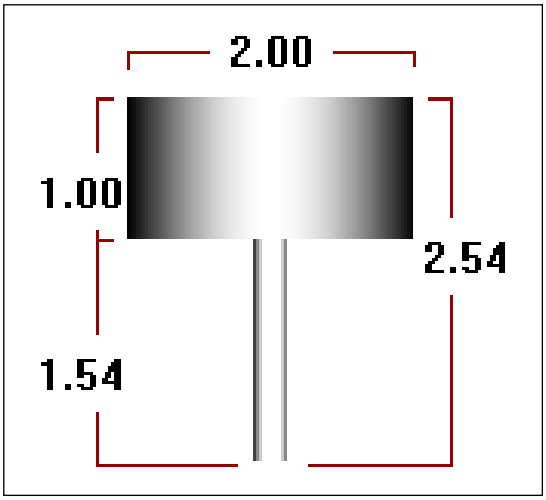
CYCLE TIME:	00 HOURS, 00 MINUTES, 25 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

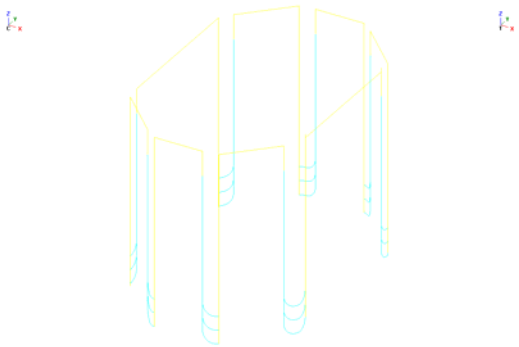
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:25



OPERATION INFO *2D High Speed (2D Rest Mill)*

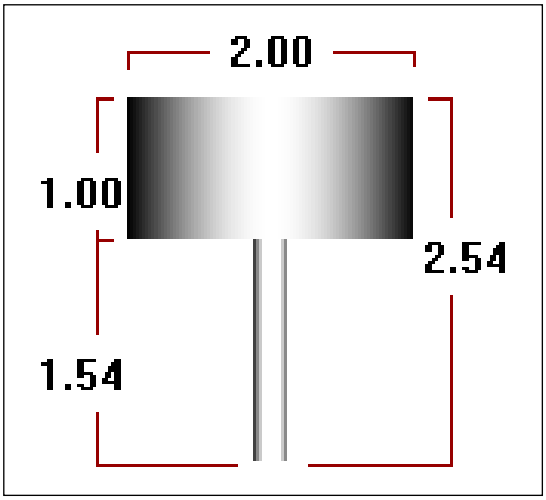
CYCLE TIME:	00 HOURS, 00 MINUTES, 24 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

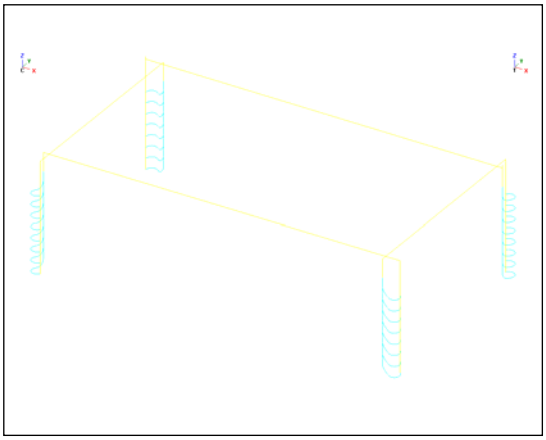
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:24



OPERATION INFO *2D High Speed (2D Rest Mill)*

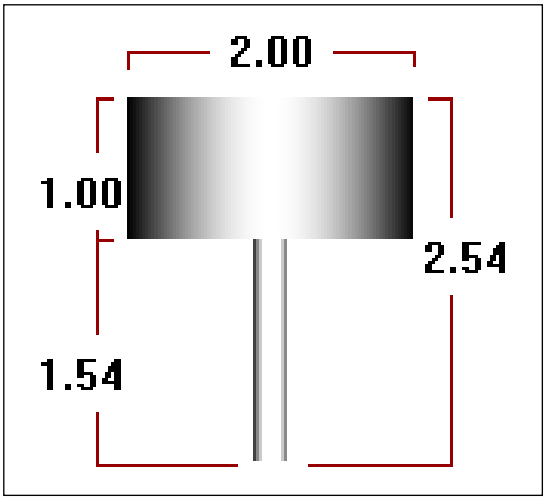
CYCLE TIME:	00 HOURS, 00 MINUTES, 38 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

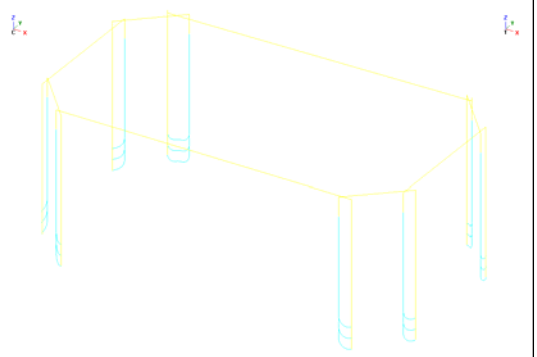
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:38



OPERATION INFO *2D High Speed (2D Rest Mill)*

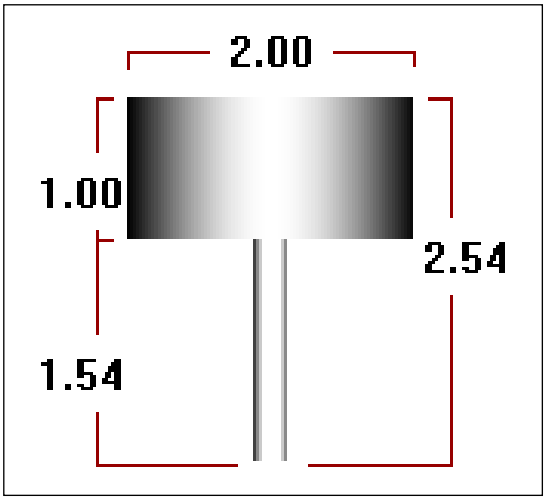
CYCLE TIME:	00 HOURS, 00 MINUTES, 28 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

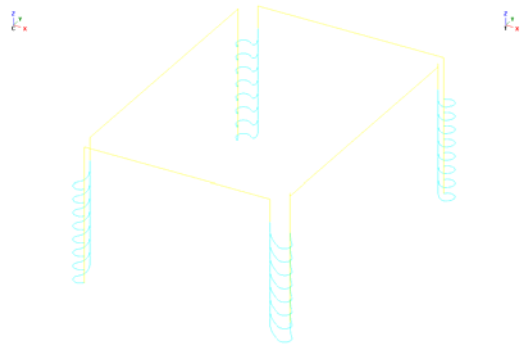
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:28



OPERATION INFO *2D High Speed (2D Rest Mill)*

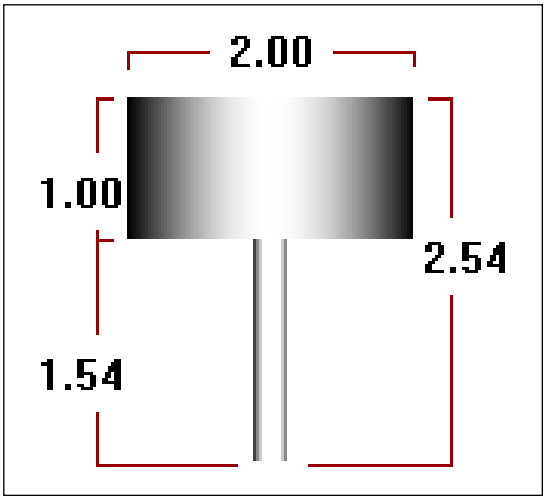
CYCLE TIME:	00 HOURS, 00 MINUTES, 31 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

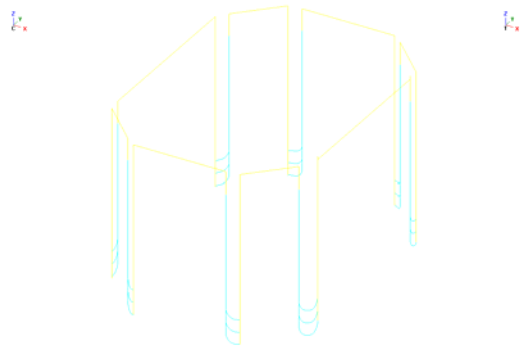
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:31



OPERATION INFO *2D High Speed (2D Rest Mill)*

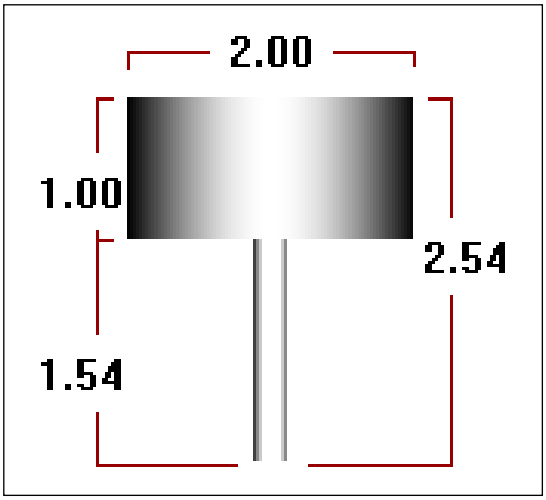
CYCLE TIME:	00 HOURS, 00 MINUTES, 25 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:25



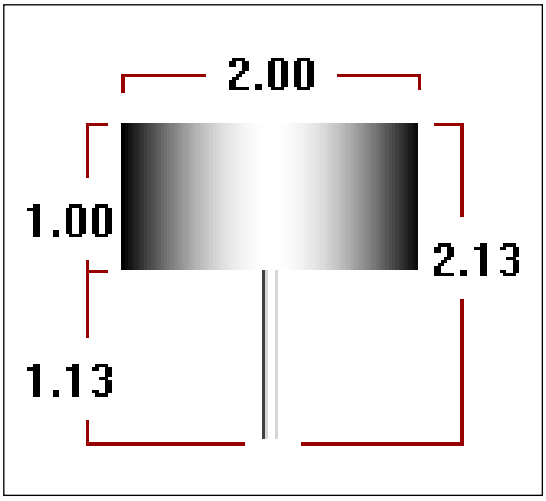
OPERATION INFO *2D High Speed (2D Rest Mill)*

CYCLE TIME:	00 HOURS, 00 MINUTES, 00 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0

TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

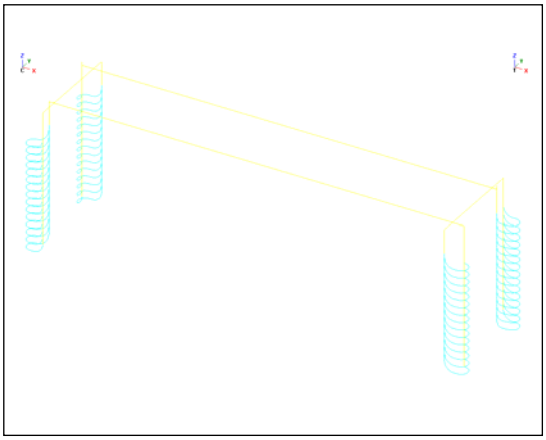
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:00



OPERATION INFO *2D High Speed (2D Rest Mill)*

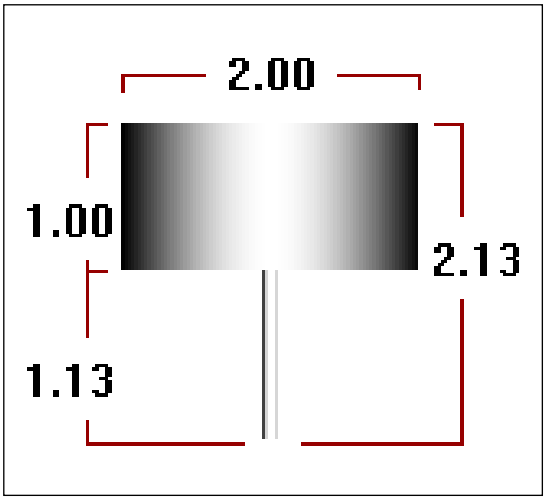
CYCLE TIME:	00 HOURS, 00 MINUTES, 52 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:52



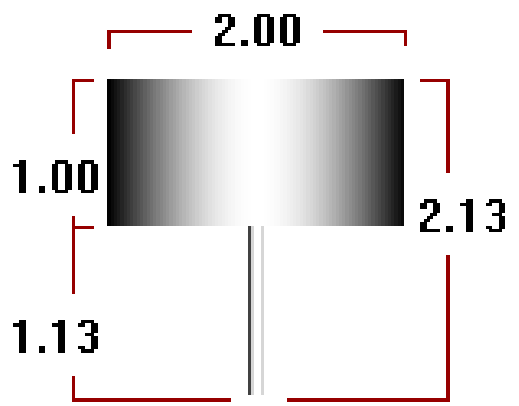
OPERATION INFO *2D High Speed (2D Rest Mill)*

CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.005
COMP TO TIP:	YES
WORK OFFSET:	0

TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

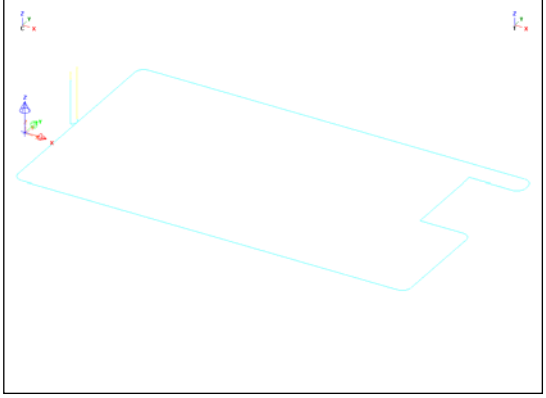
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *Contour (2D)*

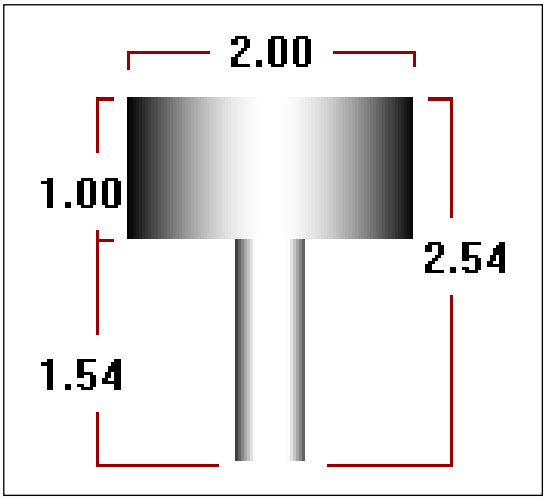
CYCLE TIME:	00 HOURS, 00 MINUTES, 16 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	7640 RPM
FEEDRATE:	152.8 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.282
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

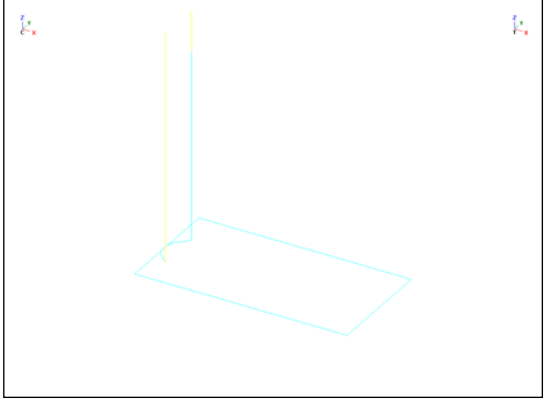
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:16



OPERATION INFO *Pocket (Standard)*

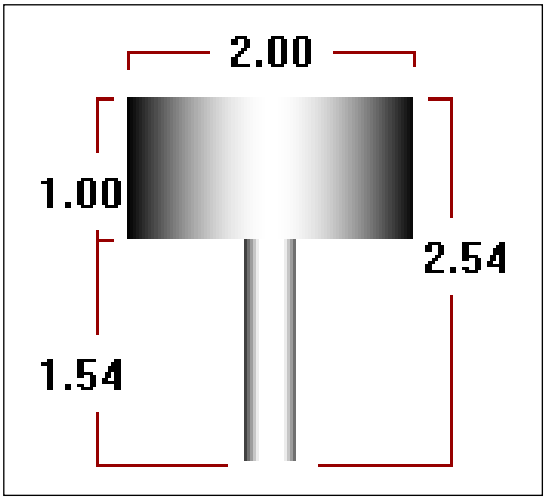
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

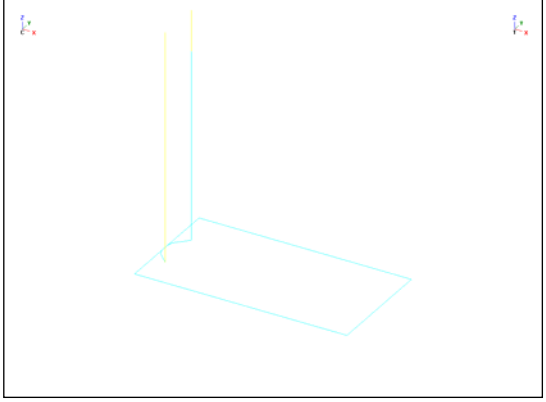
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

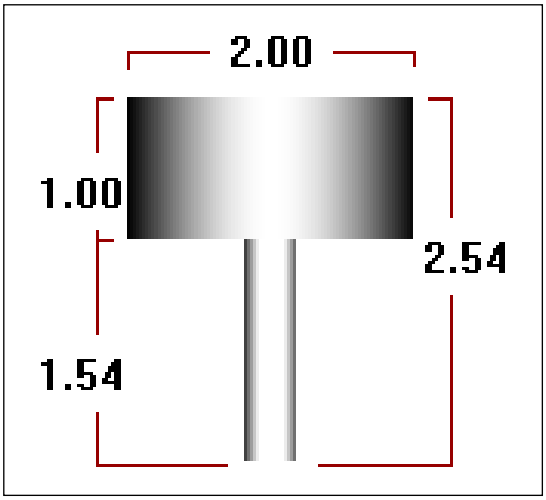
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

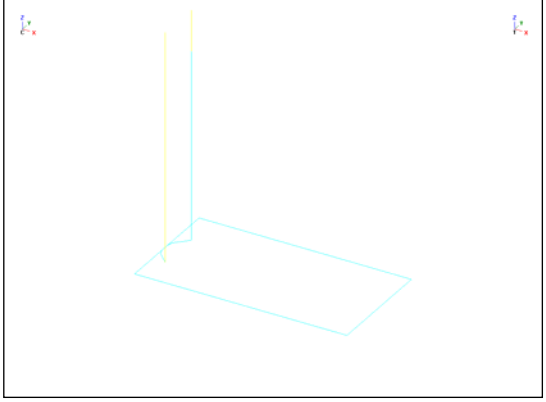
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

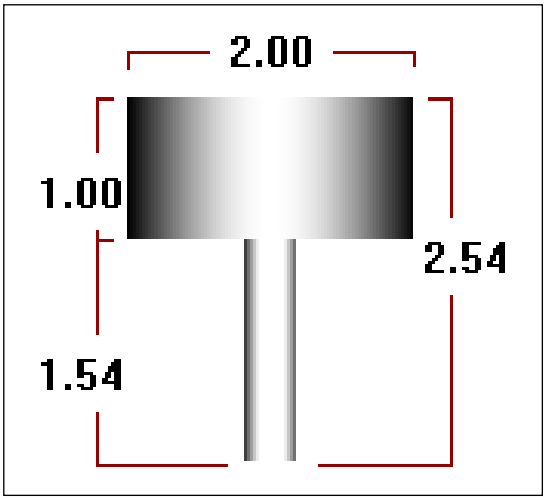
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

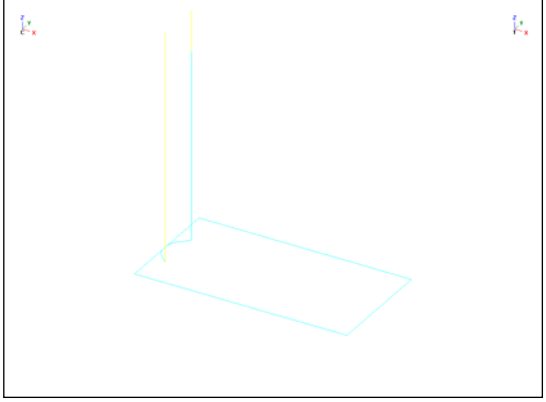
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

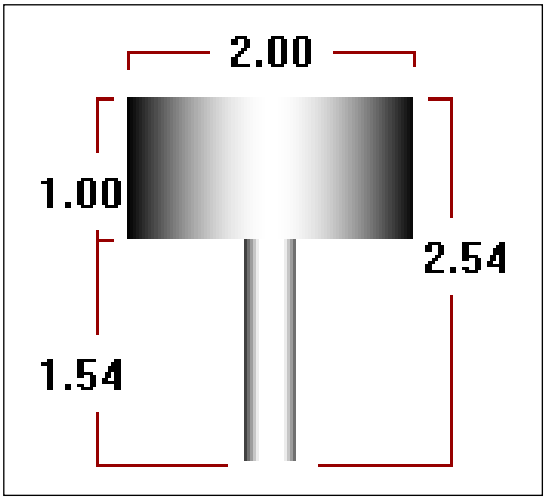
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

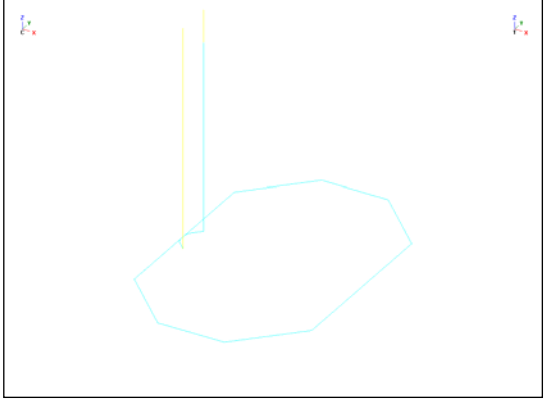
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

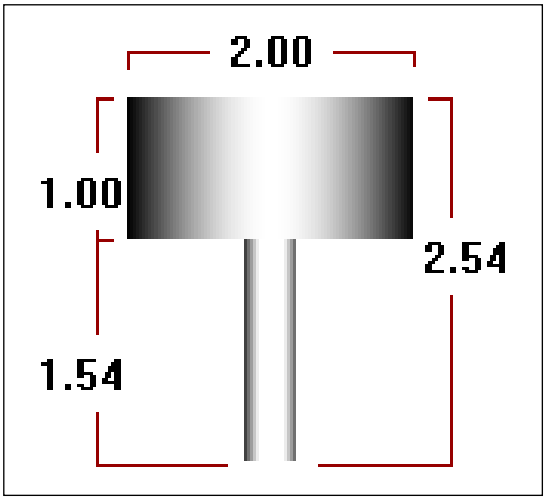
CYCLE TIME:	00 HOURS, 00 MINUTES, 04 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

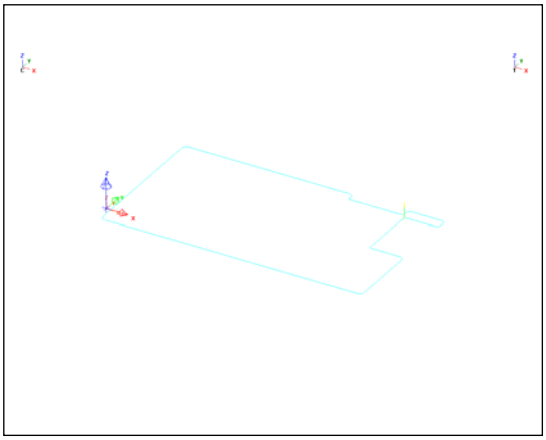
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:04



OPERATION INFO ***Pocket (Standard)***

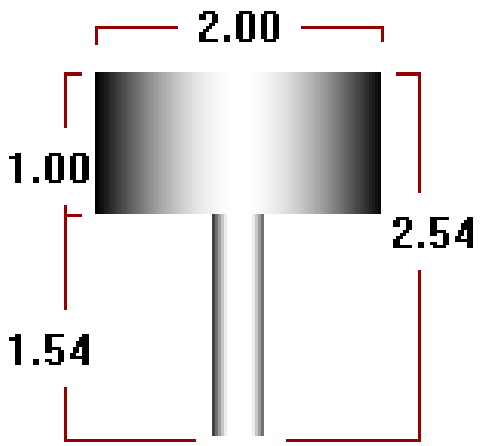
CYCLE TIME:	00 HOURS, 00 MINUTES, 23 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.407
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#6 - 0.3750 ENDMILL1 FLAT -***

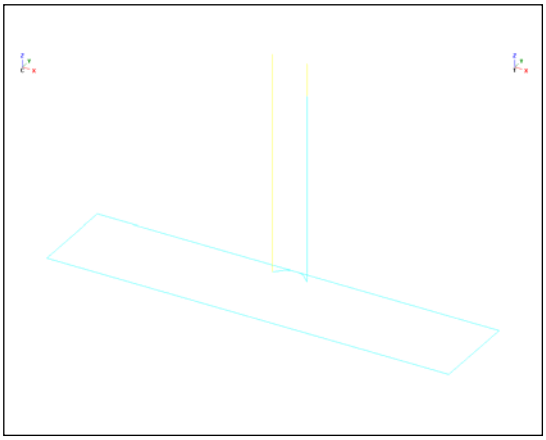
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:23



OPERATION INFO *Pocket (Standard)*

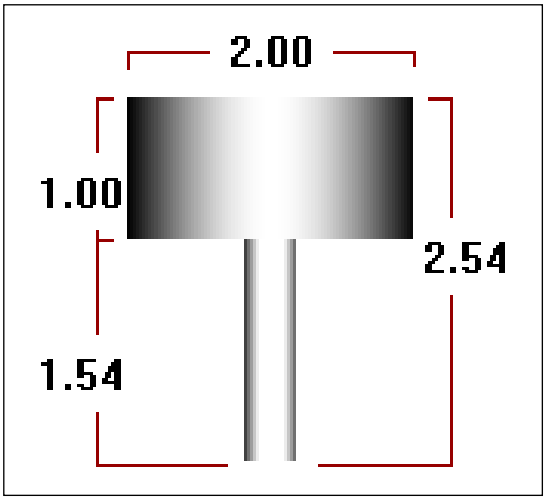
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

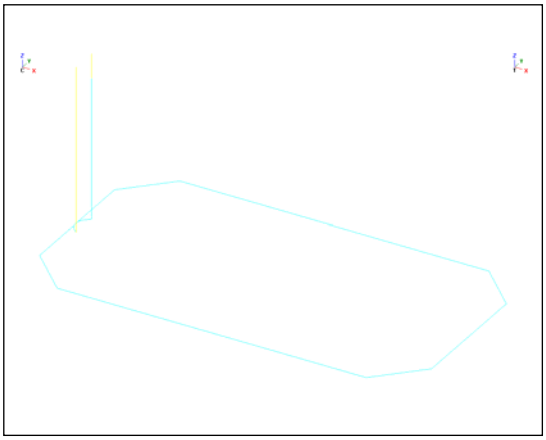
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO ***Pocket (Standard)***

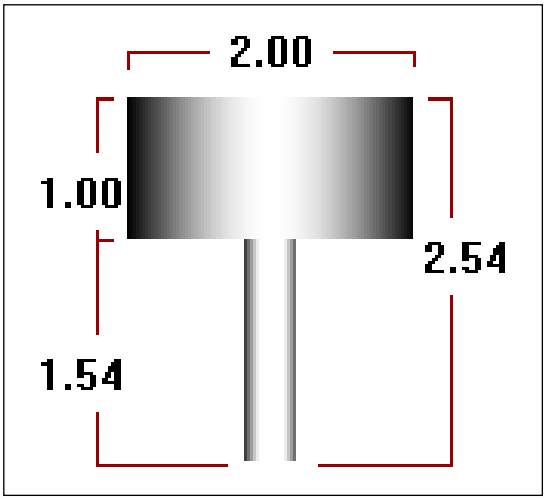
CYCLE TIME:	00 HOURS, 00 MINUTES, 07 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#6 - 0.3750 ENDMILL1 FLAT -***

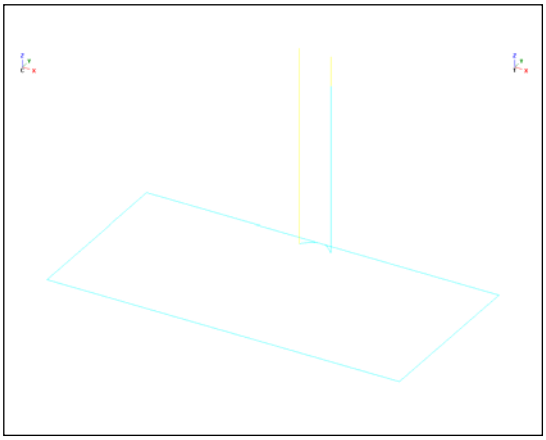
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:07



OPERATION INFO *Pocket (Standard)*

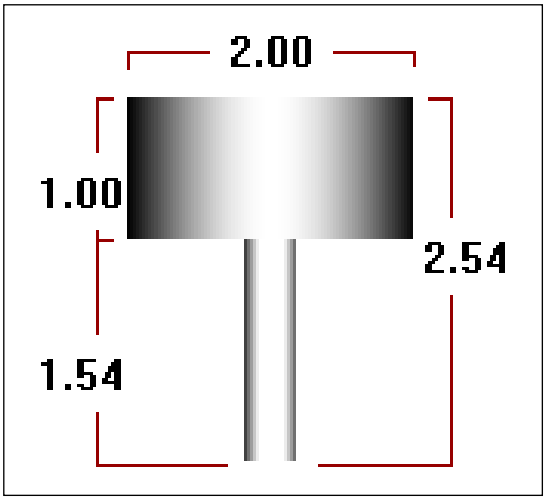
CYCLE TIME:	00 HOURS, 00 MINUTES, 06 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

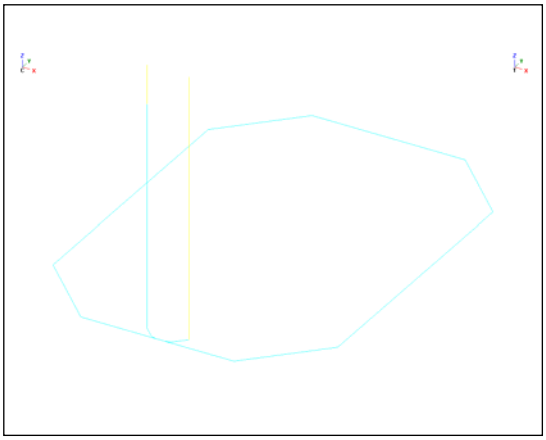
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:06



OPERATION INFO *Pocket (Standard)*

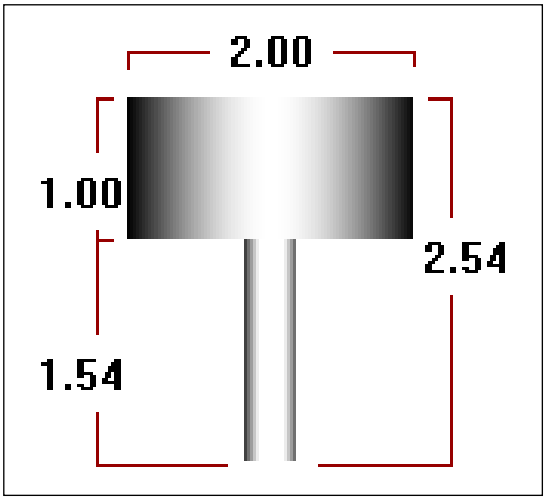
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	10186 RPM
FEEDRATE:	203.72 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.302
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

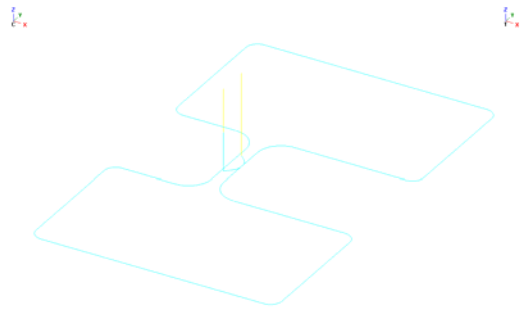
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO *Pocket (Standard)*

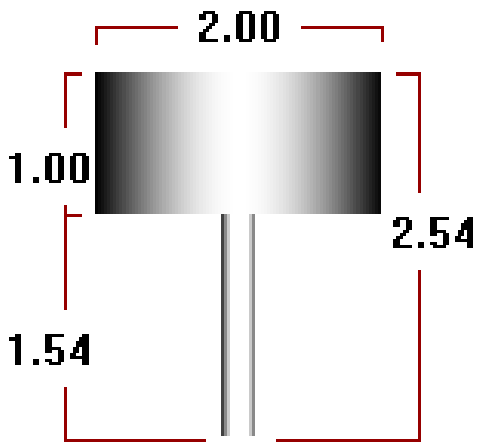
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

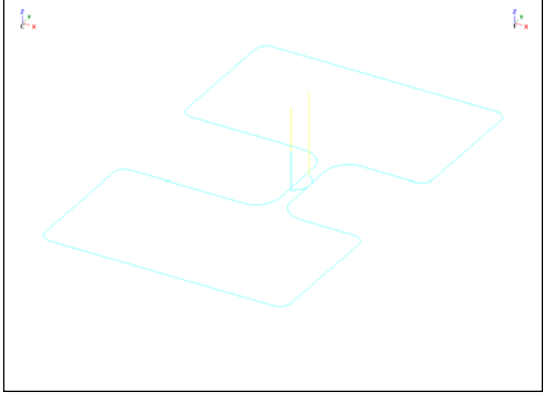
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

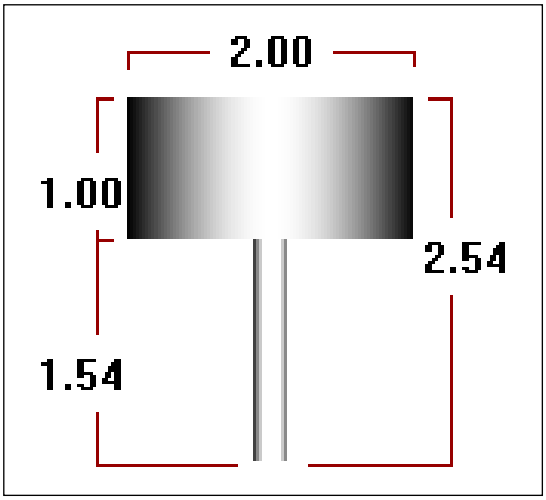
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

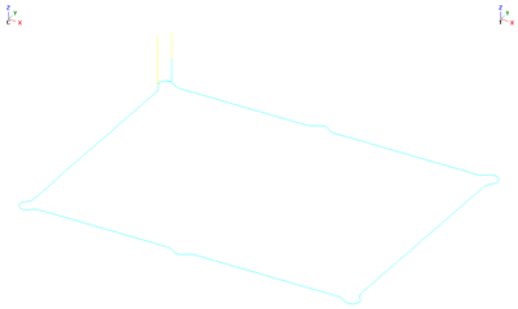
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO ***Pocket (Standard)***

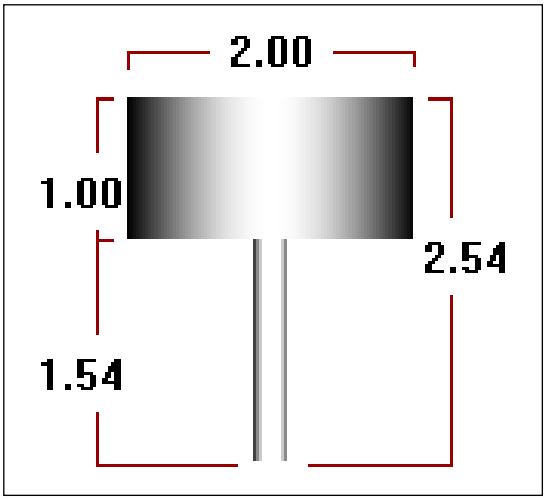
CYCLE TIME:	00 HOURS, 00 MINUTES, 04 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.18825
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#16 - 0.2500 ENDMILL1 FLAT -***

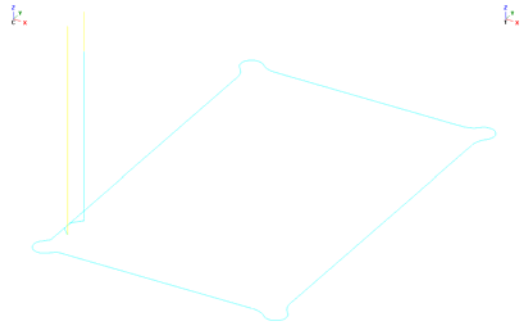
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:04



OPERATION INFO *Pocket (Standard)*

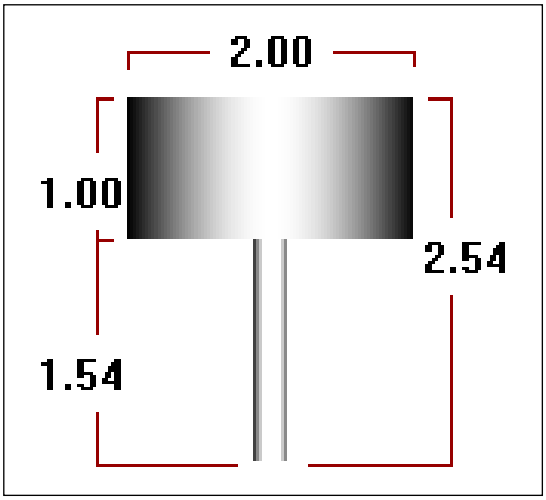
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

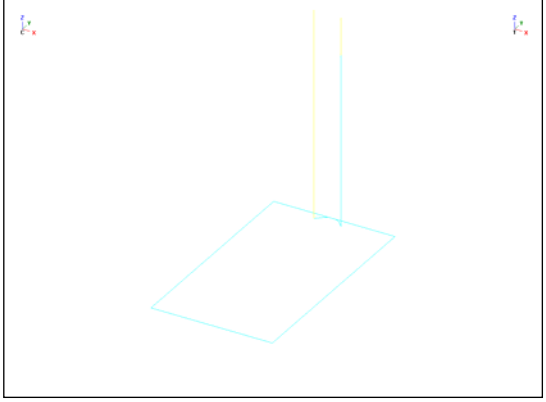
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

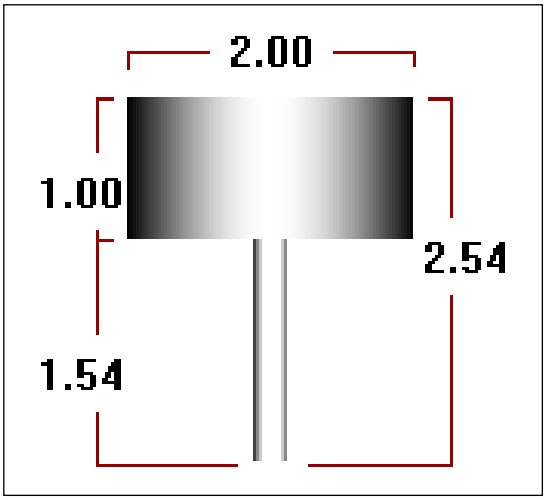
CYCLE TIME:	00 HOURS, 00 MINUTES, 02 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-1.032
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

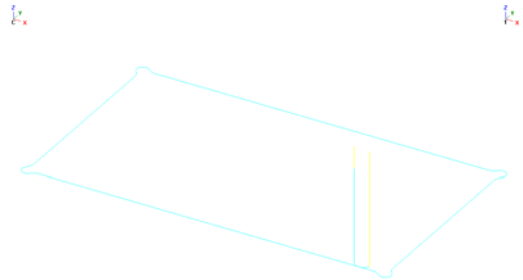
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:02



OPERATION INFO ***Pocket (Standard)***

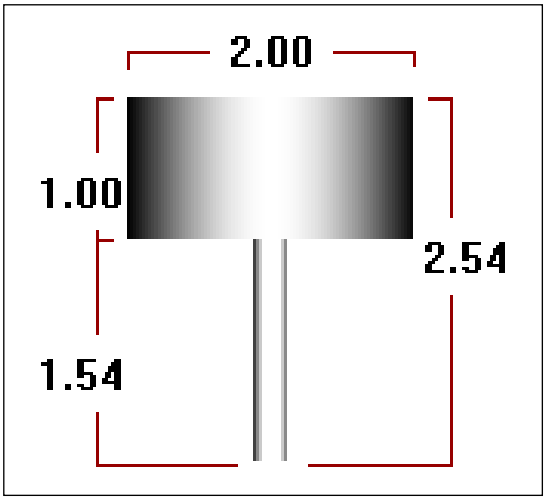
CYCLE TIME:	00 HOURS, 00 MINUTES, 05 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#16 - 0.2500 ENDMILL1 FLAT -***

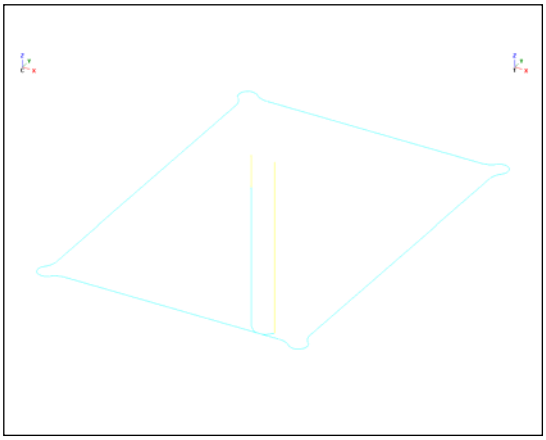
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:05



OPERATION INFO ***Pocket (Standard)***

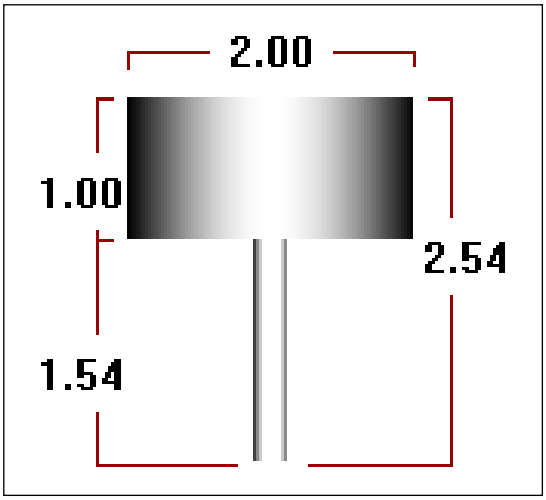
CYCLE TIME:	00 HOURS, 00 MINUTES, 04 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	15280 RPM
FEEDRATE:	305.6 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#16 - 0.2500 ENDMILL1 FLAT -***

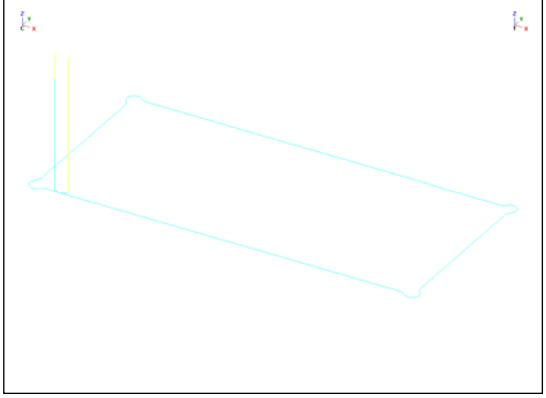
TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:04



OPERATION INFO ***Pocket (Standard)***

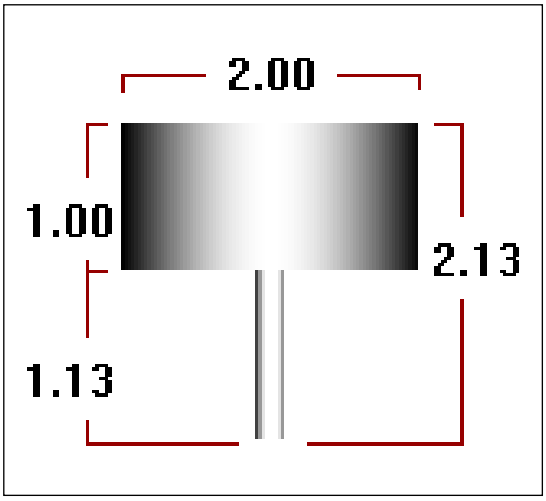
CYCLE TIME:	00 HOURS, 00 MINUTES, 03 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	20373 RPM
FEEDRATE:	407.46 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO ***#18 - 0.1875 ENDMILL1 FLAT -***

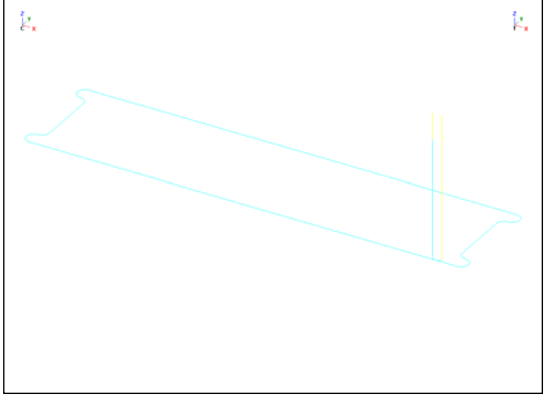
TYPE:	Endmill1 Flat
NUMBER:	18
DIAMETER:	0.1875
CORNER RADIUS:	0.0
LENGTH OFFSET:	18
DIAMETER OFFSET:	18
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.98364
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



OPERATION INFO *Pocket (Standard)*

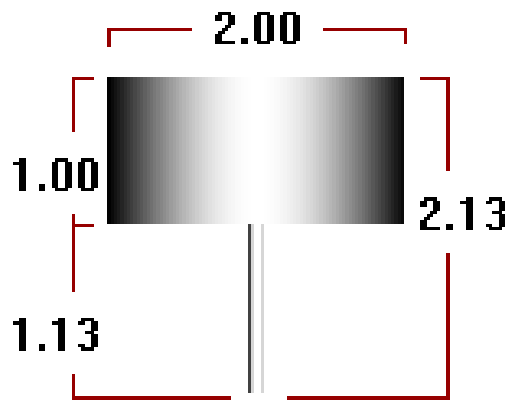
CYCLE TIME:	00 HOURS, 00 MINUTES, 02 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	30560 RPM
FEEDRATE:	611.2 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.218
FEED PLANE:	0.018
DEPTH:	-0.9695
STOCK TO LEAVE:	0.0
COMP TO TIP:	YES
WORK OFFSET:	0



TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

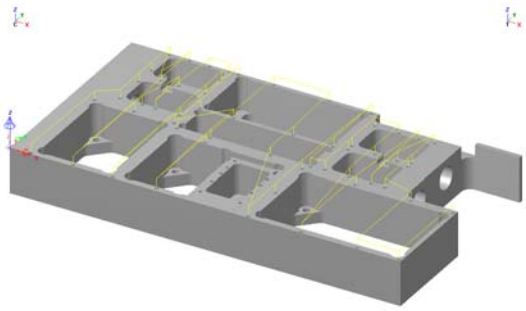
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:02



OPERATION INFO *Drill/Cbore*

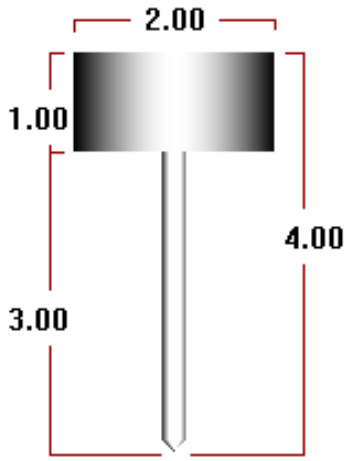
CYCLE TIME:	00 HOURS, 00 MINUTES, 40 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	9168 RPM
FEEDRATE:	22.92 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.04688
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

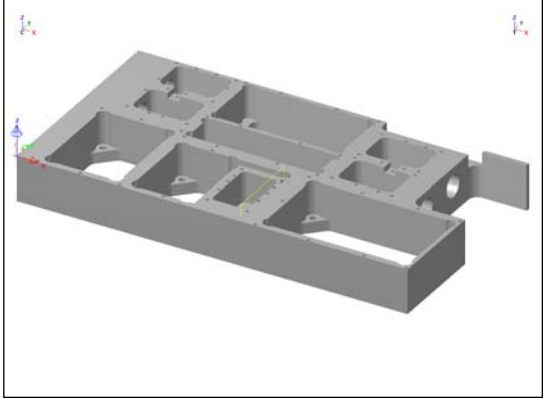
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:40



OPERATION INFO *Drill/Cbore*

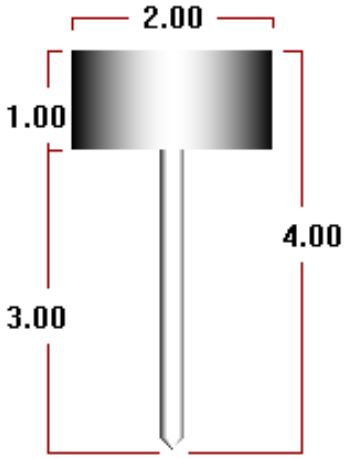
CYCLE TIME:	00 HOURS, 00 MINUTES, 01 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	9168 RPM
FEEDRATE:	22.92 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

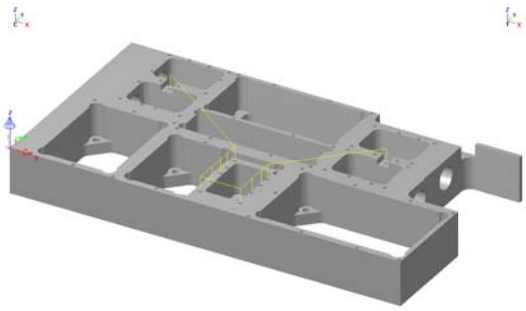
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:01



OPERATION INFO *Drill/Cbore*

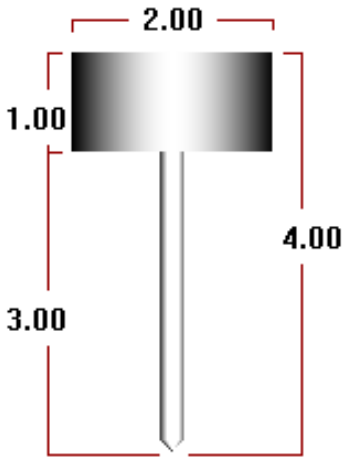
CYCLE TIME:	00 HOURS, 00 MINUTES, 06 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	9168 RPM
FEEDRATE:	22.92 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.04688
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

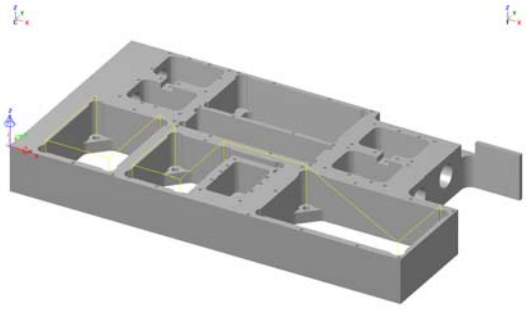
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:06



OPERATION INFO *Drill/Cbore*

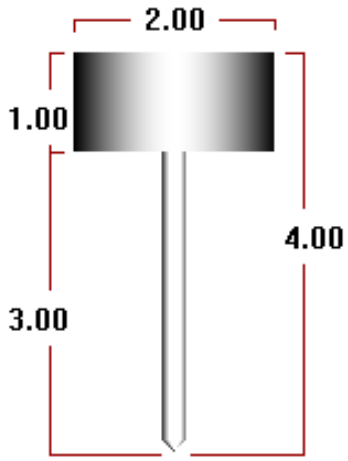
CYCLE TIME:	00 HOURS, 00 MINUTES, 15 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	9168 RPM
FEEDRATE:	22.92 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

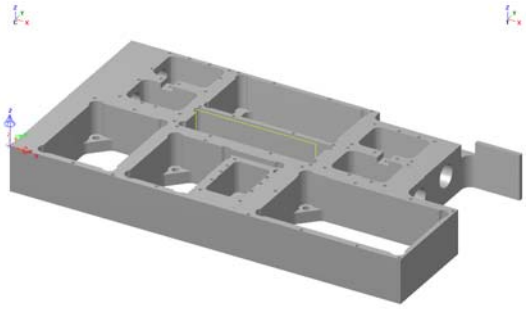
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:15



OPERATION INFO *Drill/Cbore*

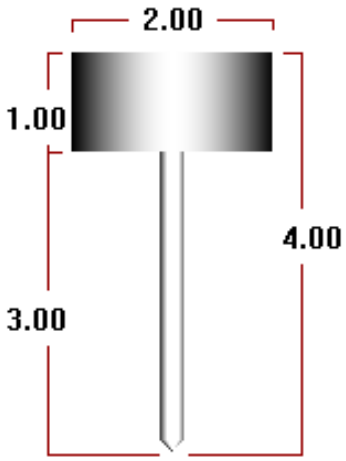
CYCLE TIME:	00 HOURS, 00 MINUTES, 02 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	9168 RPM
FEEDRATE:	22.92 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.04688
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

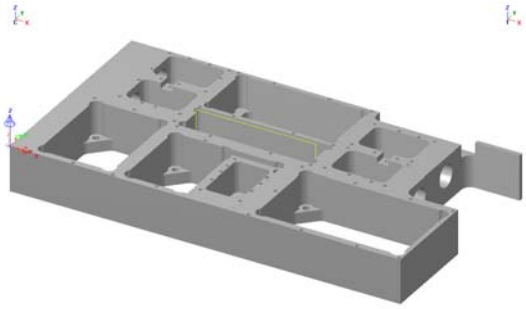
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:02



OPERATION INFO ***Peck Drill***

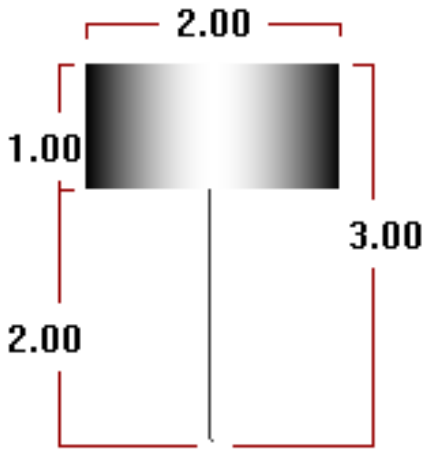
CYCLE TIME:	00 HOURS, 00 MINUTES, 08 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	36094 RPM
FEEDRATE:	25.98768 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.3125
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#8 - 0.0635 DRILL - NO. 52 DRILL***

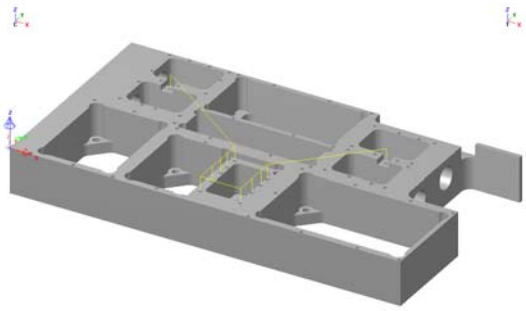
TYPE:	Drill
NUMBER:	8
DIAMETER:	0.0635
CORNER RADIUS:	0.0
LENGTH OFFSET:	8
DIAMETER OFFSET:	8
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00036
SPM:	359.99513
MFG CODE:	_
HOLDER:	
TIME:	00:00:08



OPERATION INFO ***Peck Drill***

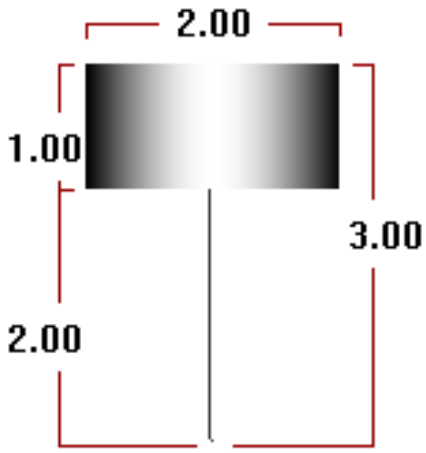
CYCLE TIME:	00 HOURS, 03 MINUTES, 53 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	36094 RPM
FEEDRATE:	25.98768 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#8 - 0.0635 DRILL - NO. 52 DRILL***

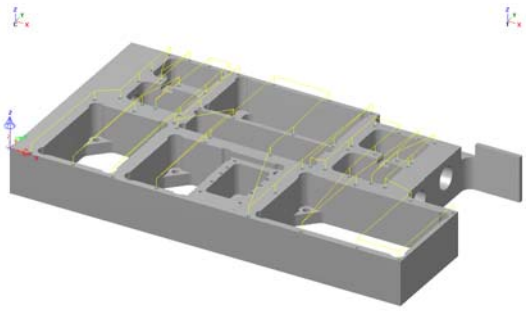
TYPE:	Drill
NUMBER:	8
DIAMETER:	0.0635
CORNER RADIUS:	0.0
LENGTH OFFSET:	8
DIAMETER OFFSET:	8
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00036
SPM:	359.99513
MFG CODE:	_
HOLDER:	
TIME:	00:03:53



OPERATION INFO ***Peck Drill***

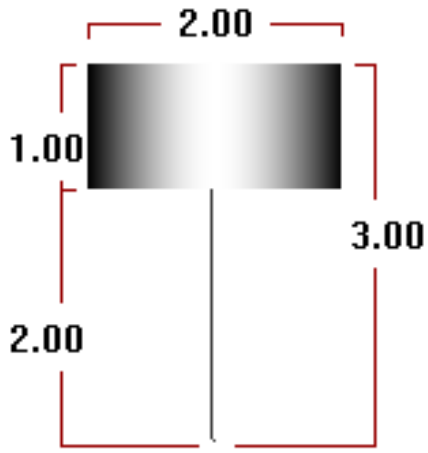
CYCLE TIME:	00 HOURS, 25 MINUTES, 16 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	36094 RPM
FEEDRATE:	25.98768 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.25
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#8 - 0.0635 DRILL - NO. 52 DRILL***

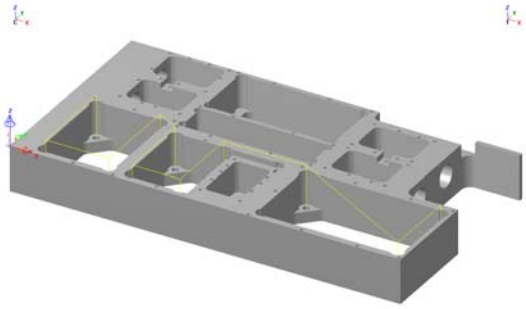
TYPE:	Drill
NUMBER:	8
DIAMETER:	0.0635
CORNER RADIUS:	0.0
LENGTH OFFSET:	8
DIAMETER OFFSET:	8
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00036
SPM:	359.99513
MFG CODE:	_
HOLDER:	
TIME:	00:25:16



OPERATION INFO ***Peck Drill***

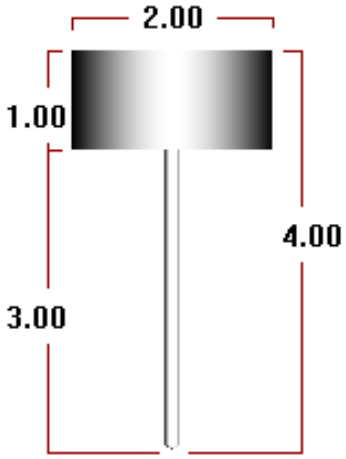
CYCLE TIME:	00 HOURS, 00 MINUTES, 35 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	14598 RPM
FEEDRATE:	26.2764 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.3125
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#9 - 0.1570 DRILL - NO. 22 DRILL***

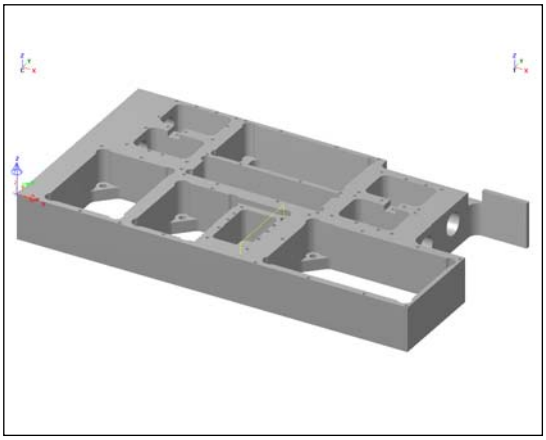
TYPE:	Drill
NUMBER:	9
DIAMETER:	0.157
CORNER RADIUS:	0.0
LENGTH OFFSET:	9
DIAMETER OFFSET:	9
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.0009
SPM:	359.98209
MFG CODE:	_
HOLDER:	
TIME:	00:00:35



OPERATION INFO ***Peck Drill***

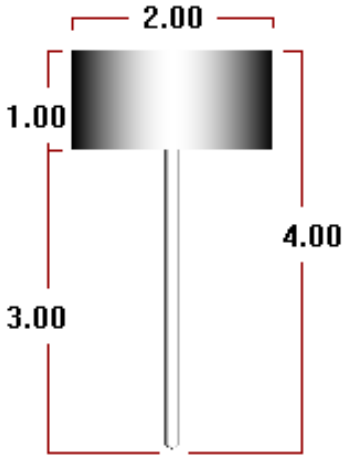
CYCLE TIME:	00 HOURS, 00 MINUTES, 22 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	14598 RPM
FEEDRATE:	26.2764 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#9 - 0.1570 DRILL - NO. 22 DRILL***

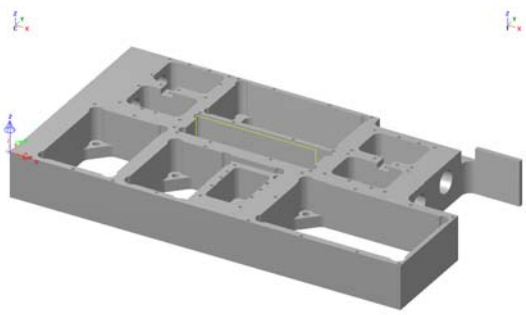
TYPE:	Drill
NUMBER:	9
DIAMETER:	0.157
CORNER RADIUS:	0.0
LENGTH OFFSET:	9
DIAMETER OFFSET:	9
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.0009
SPM:	359.98209
MFG CODE:	_
HOLDER:	
TIME:	00:00:22



OPERATION INFO *Drill/Cbore*

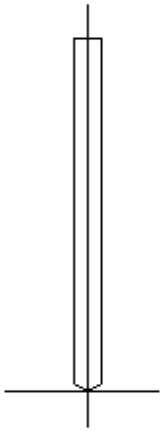
CYCLE TIME:	00 HOURS, 00 MINUTES, 02 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	24434 RPM
FEEDRATE:	293.208 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.3125
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#13 - 0.0938 DRILL - DRILL*

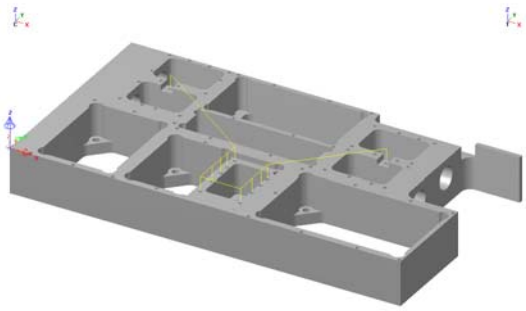
TYPE:	Drill
NUMBER:	13
DIAMETER:	0.0938
CORNER RADIUS:	0.0
LENGTH OFFSET:	13
DIAMETER OFFSET:	13
MATERIAL:	_
NUMBER OF FLUTES:	2
FPT:	0.006
SPM:	359.98574
MFG CODE:	_
HOLDER:	
TIME:	00:00:02



OPERATION INFO *Drill/Cbore*

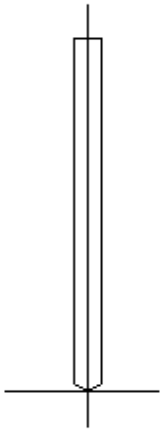
CYCLE TIME:	00 HOURS, 00 MINUTES, 09 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	24434 RPM
FEEDRATE:	293.208 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#13 - 0.0938 DRILL - DRILL*

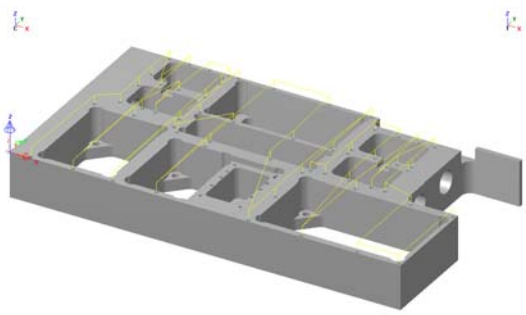
TYPE:	Drill
NUMBER:	13
DIAMETER:	0.0938
CORNER RADIUS:	0.0
LENGTH OFFSET:	13
DIAMETER OFFSET:	13
MATERIAL:	_
NUMBER OF FLUTES:	2
FPT:	0.006
SPM:	359.98574
MFG CODE:	_
HOLDER:	
TIME:	00:00:09



OPERATION INFO *Drill/Cbore*

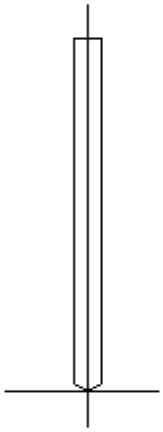
CYCLE TIME:	00 HOURS, 01 MINUTES, 01 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	24434 RPM
FEEDRATE:	293.208 inch/min
CLEARANCE PLANE:	0.25
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.25
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO *#13 - 0.0938 DRILL - DRILL*

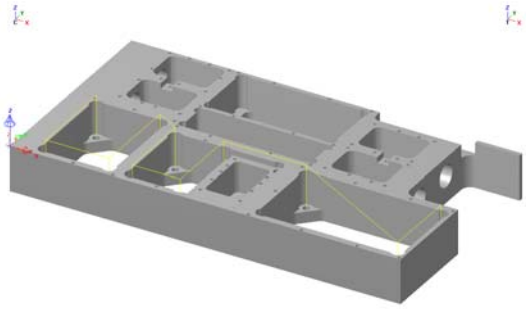
TYPE:	Drill
NUMBER:	13
DIAMETER:	0.0938
CORNER RADIUS:	0.0
LENGTH OFFSET:	13
DIAMETER OFFSET:	13
MATERIAL:	_
NUMBER OF FLUTES:	2
FPT:	0.006
SPM:	359.98574
MFG CODE:	_
HOLDER:	
TIME:	00:01:01



OPERATION INFO ***Peck Drill***

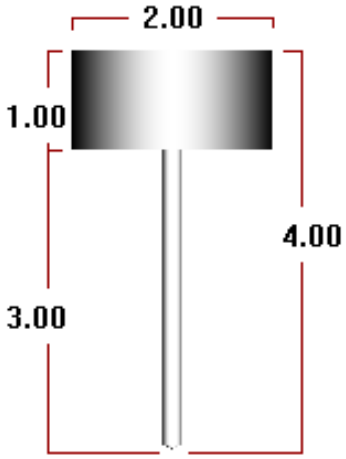
CYCLE TIME:	00 HOURS, 00 MINUTES, 35 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	12224 RPM
FEEDRATE:	26.40384 inch/min
CLEARANCE PLANE:	1.1875
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-0.3125
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#14 - 0.1875 DRILL - 3/16 DRILL***

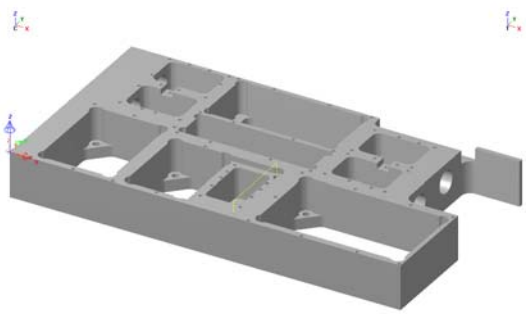
TYPE:	Drill
NUMBER:	14
DIAMETER:	0.1875
CORNER RADIUS:	0.0
LENGTH OFFSET:	14
DIAMETER OFFSET:	14
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00108
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:35



OPERATION INFO ***Peck Drill***

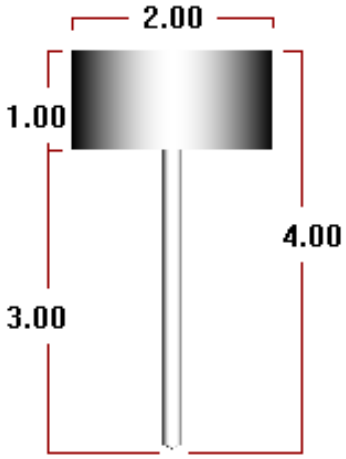
CYCLE TIME:	00 HOURS, 00 MINUTES, 21 SECONDS
COMMENT:	_

PROGRAM NUMBER:	0
SPINDLE SPEED:	12224 RPM
FEEDRATE:	26.40384 inch/min
CLEARANCE PLANE:	0.40625
RETRACT PLANE:	0.03
FEED PLANE:	0.03
DEPTH:	-1.09375
STOCK TO LEAVE:	0.0
COMP TO TIP:	NO
WORK OFFSET:	1



TOOL INFO ***#14 - 0.1875 DRILL - 3/16 DRILL***

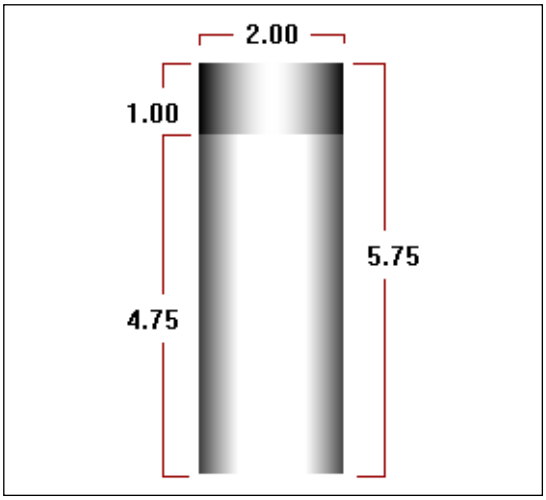
TYPE:	Drill
NUMBER:	14
DIAMETER:	0.1875
CORNER RADIUS:	0.0
LENGTH OFFSET:	14
DIAMETER OFFSET:	14
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00108
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:21



TOOL LIST

TOOL INFO *#1 - 2.0000 ENDMILL1 FLAT - 2 INCH FLAT ENDMILL*

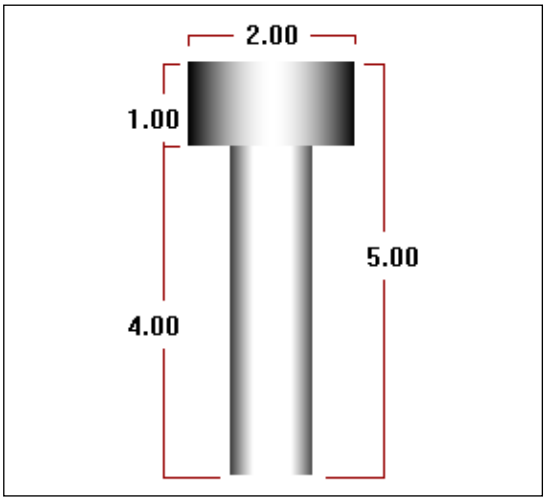
TYPE:	Endmill1 Flat
NUMBER:	1
DIAMETER:	2.0
CORNER RADIUS:	0.0
LENGTH OFFSET:	1
DIAMETER OFFSET:	1
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.01
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:19



USED BY OPERATION:	# 2	Facing

TOOL INFO *#2 - 1.0000 ENDMILL1 FLAT - 1 INCH FLAT ENDMILL*

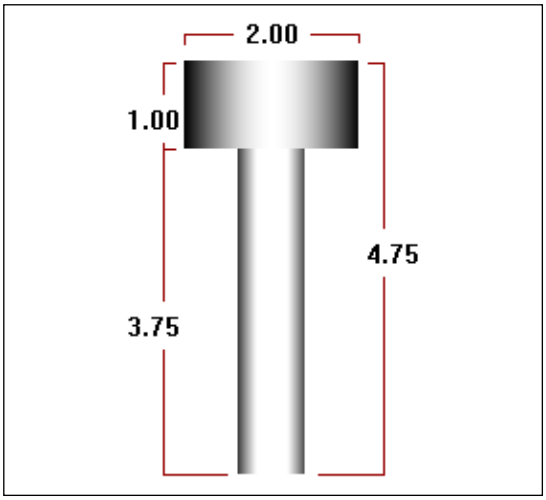
TYPE:	Endmill1 Flat
NUMBER:	2
DIAMETER:	1.0
CORNER RADIUS:	0.0
LENGTH OFFSET:	2
DIAMETER OFFSET:	2
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:47



USED BY OPERATION:	# 3	2D High Speed (2D Core Mill)
USED BY OPERATION:	# 8	2D High Speed (2D Core Mill)

TOOL INFO *#3 - 0.7500 ENDMILL1 FLAT - 3/4 FLAT ENDMILL*

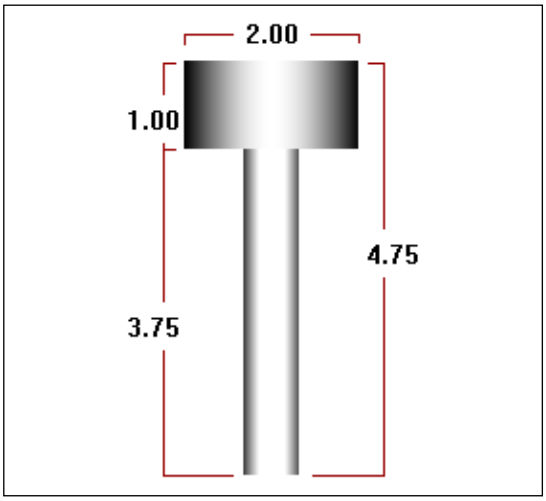
TYPE:	Endmill1 Flat
NUMBER:	3
DIAMETER:	0.75
CORNER RADIUS:	0.0
LENGTH OFFSET:	3
DIAMETER OFFSET:	3
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.00375
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:00:21



USED BY OPERATION:	# 4	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 53	2D High Speed (2D Rest Mill)

TOOL INFO *#4 - 0.6250 ENDMILL1 FLAT - 5/8 FLAT ENDMILL*

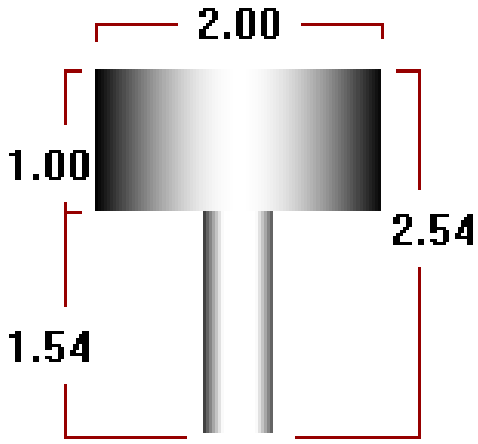
TYPE:	Endmill1 Flat
NUMBER:	4
DIAMETER:	0.625
CORNER RADIUS:	0.0
LENGTH OFFSET:	4
DIAMETER OFFSET:	4
MATERIAL:	HSS
NUMBER OF FLUTES:	4
FPT:	0.0031
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:26



USED BY OPERATION:	# 5	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 54	2D High Speed (2D Rest Mill)

TOOL INFO *#5 - 0.5000 ENDMILL1 FLAT -*

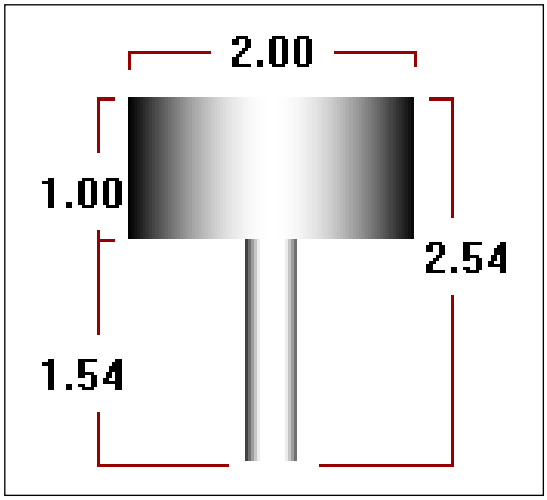
TYPE:	Endmill1 Flat
NUMBER:	5
DIAMETER:	0.5
CORNER RADIUS:	0.0
LENGTH OFFSET:	5
DIAMETER OFFSET:	5
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:08:50



USED BY OPERATION:	# 6	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 9	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 12	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 14	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 15	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 17	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 18	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 21	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 22	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 24	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 55	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 66	Contour (2D)

TOOL INFO *#6 - 0.3750 ENDMILL1 FLAT -*

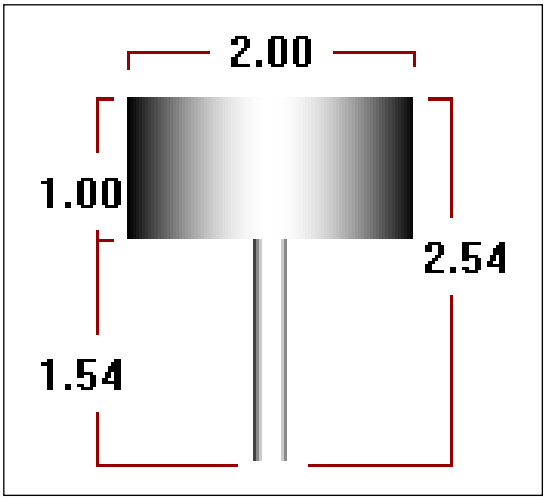
TYPE:	Endmill1 Flat
NUMBER:	6
DIAMETER:	0.375
CORNER RADIUS:	0.0
LENGTH OFFSET:	6
DIAMETER OFFSET:	6
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.93455
MFG CODE:	_
HOLDER:	
TIME:	00:03:29



USED BY OPERATION:	# 7	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 10	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 13	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 16	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 19	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 23	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 25	2D High Speed (2D Core Mill)
USED BY OPERATION:	# 26	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 56	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 67	Pocket (Standard)
USED BY OPERATION:	# 68	Pocket (Standard)
USED BY OPERATION:	# 69	Pocket (Standard)
USED BY OPERATION:	# 70	Pocket (Standard)
USED BY OPERATION:	# 71	Pocket (Standard)
USED BY OPERATION:	# 72	Pocket (Standard)
USED BY OPERATION:	# 73	Pocket (Standard)
USED BY OPERATION:	# 74	Pocket (Standard)
USED BY OPERATION:	# 75	Pocket (Standard)
USED BY OPERATION:	# 76	Pocket (Standard)

TOOL INFO *#16 - 0.2500 ENDMILL1 FLAT -*

TYPE:	Endmill1 Flat
NUMBER:	16
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	16
DIAMETER OFFSET:	16
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:11:35

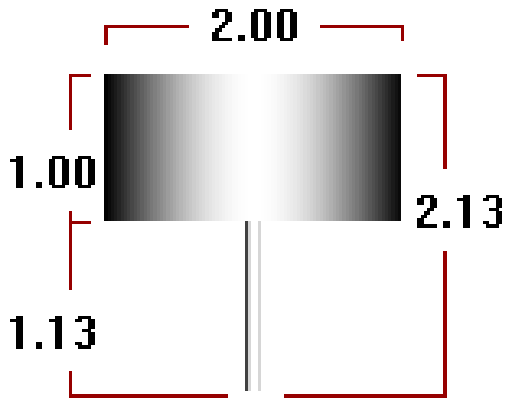


USED BY OPERATION:	# 11	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 20	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 27	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 28	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 29	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 30	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 31	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 32	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 33	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 34	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 35	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 36	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 37	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 38	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 39	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 40	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 41	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 42	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 43	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 44	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 45	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 46	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 47	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 48	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 49	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 57	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 58	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 59	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 60	2D High Speed (2D Rest Mill)

USED BY OPERATION:	# 61	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 62	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 77	Pocket (Standard)
USED BY OPERATION:	# 78	Pocket (Standard)
USED BY OPERATION:	# 79	Pocket (Standard)
USED BY OPERATION:	# 80	Pocket (Standard)
USED BY OPERATION:	# 81	Pocket (Standard)
USED BY OPERATION:	# 82	Pocket (Standard)
USED BY OPERATION:	# 83	Pocket (Standard)

TOOL INFO *#17 - 0.1250 ENDMILL1 FLAT -*

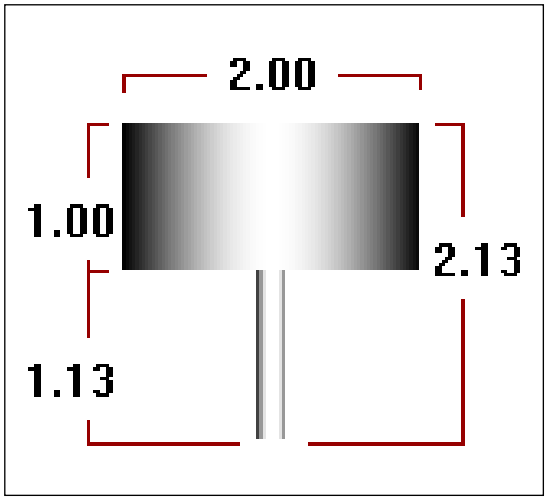
TYPE:	Endmill1 Flat
NUMBER:	17
DIAMETER:	0.125
CORNER RADIUS:	0.0
LENGTH OFFSET:	17
DIAMETER OFFSET:	17
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	1000.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:31



USED BY OPERATION:	# 50	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 51	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 52	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 63	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 64	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 65	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 85	Pocket (Standard)

TOOL INFO *#18 - 0.1875 ENDMILL1 FLAT -*

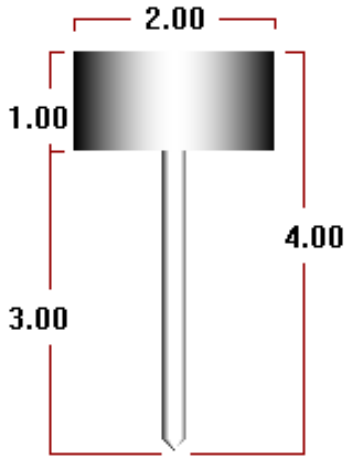
TYPE:	Endmill1 Flat
NUMBER:	18
DIAMETER:	0.1875
CORNER RADIUS:	0.0
LENGTH OFFSET:	18
DIAMETER OFFSET:	18
MATERIAL:	_
NUMBER OF FLUTES:	4
FPT:	0.005
SPM:	999.98364
MFG CODE:	_
HOLDER:	
TIME:	00:00:03



USED BY OPERATION:	# 84	Pocket (Standard)

TOOL INFO *#7 - 0.2500 SPOT DRILL - 1/4 SPOTDRILL*

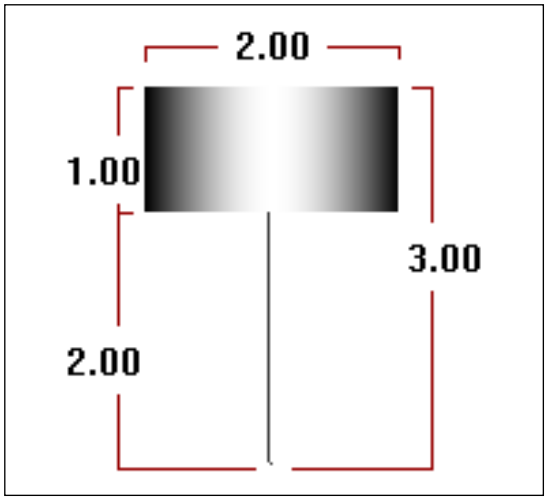
TYPE:	Spot Drill
NUMBER:	7
DIAMETER:	0.25
CORNER RADIUS:	0.0
LENGTH OFFSET:	7
DIAMETER OFFSET:	7
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00125
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:01:06



USED BY OPERATION:	# 87	Drill/Cbore
USED BY OPERATION:	# 88	Drill/Cbore
USED BY OPERATION:	# 89	Drill/Cbore
USED BY OPERATION:	# 90	Drill/Cbore
USED BY OPERATION:	# 91	Drill/Cbore

TOOL INFO *#8 - 0.0635 DRILL - NO. 52 DRILL*

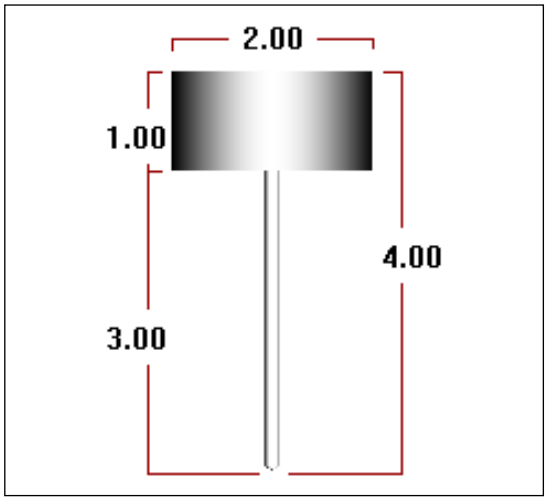
TYPE:	Drill
NUMBER:	8
DIAMETER:	0.0635
CORNER RADIUS:	0.0
LENGTH OFFSET:	8
DIAMETER OFFSET:	8
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00036
SPM:	359.99513
MFG CODE:	_
HOLDER:	
TIME:	00:29:18



USED BY OPERATION:	# 92	Peck Drill
USED BY OPERATION:	# 93	Peck Drill
USED BY OPERATION:	# 94	Peck Drill

TOOL INFO *#9 - 0.1570 DRILL - NO. 22 DRILL*

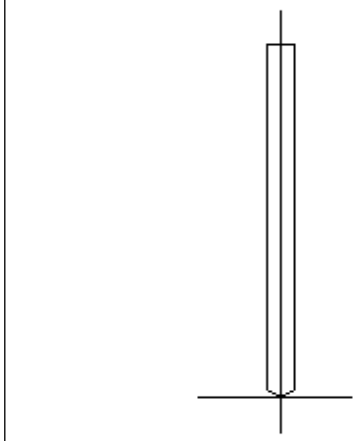
TYPE:	Drill
NUMBER:	9
DIAMETER:	0.157
CORNER RADIUS:	0.0
LENGTH OFFSET:	9
DIAMETER OFFSET:	9
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.0009
SPM:	359.98209
MFG CODE:	_
HOLDER:	
TIME:	00:00:58



USED BY OPERATION:	# 95	Peck Drill
USED BY OPERATION:	# 96	Peck Drill

TOOL INFO *#13 - 0.0938 DRILL - DRILL*

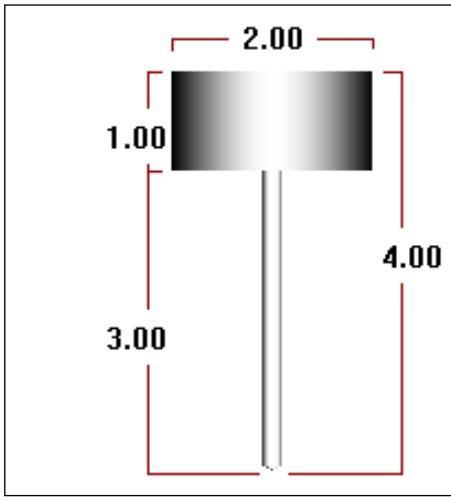
TYPE:	Drill
NUMBER:	13
DIAMETER:	0.0938
CORNER RADIUS:	0.0
LENGTH OFFSET:	13
DIAMETER OFFSET:	13
MATERIAL:	_
NUMBER OF FLUTES:	2
FPT:	0.006
SPM:	359.98574
MFG CODE:	_
HOLDER:	
TIME:	00:01:13



USED BY OPERATION:	# 97	Drill/Cbore
USED BY OPERATION:	# 98	Drill/Cbore
USED BY OPERATION:	# 99	Drill/Cbore

TOOL INFO *#14 - 0.1875 DRILL - 3/16 DRILL*

TYPE:	Drill
NUMBER:	14
DIAMETER:	0.1875
CORNER RADIUS:	0.0
LENGTH OFFSET:	14
DIAMETER OFFSET:	14
MATERIAL:	HSS
NUMBER OF FLUTES:	2
FPT:	0.00108
SPM:	360.0
MFG CODE:	_
HOLDER:	
TIME:	00:00:56



USED BY OPERATION:	# 100	Peck Drill
USED BY OPERATION:	# 101	Peck Drill

OFFSET INFO

NUMBER:	0	VNUM: 1	ORIGIN: -0.031, -0.031, 0.032
USED BY OPERATION:	# 2	Facing	
USED BY OPERATION:	# 3	2D High Speed (2D Core Mill)	
USED BY OPERATION:	# 4	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 5	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 6	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 7	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 8	2D High Speed (2D Core Mill)	
USED BY OPERATION:	# 9	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 10	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 11	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 12	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 13	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 14	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 15	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 16	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 17	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 18	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 19	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 20	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 21	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 22	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 23	2D High Speed (2D Rest Mill)	
USED BY OPERATION:	# 24	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 25	2D High Speed (2D Core Mill)	
USED BY OPERATION:	# 26	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 27	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 28	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 29	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 30	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 31	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 32	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 33	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 34	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 35	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 36	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 37	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 38	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 39	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 40	2D High Speed (2D Area Mill)	
USED BY OPERATION:	# 41	2D High Speed (2D Area Mill)	

USED BY OPERATION:	# 42	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 43	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 44	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 45	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 46	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 47	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 48	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 49	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 50	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 51	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 52	2D High Speed (2D Area Mill)
USED BY OPERATION:	# 53	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 54	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 55	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 56	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 57	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 58	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 59	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 60	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 61	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 62	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 63	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 64	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 65	2D High Speed (2D Rest Mill)
USED BY OPERATION:	# 66	Contour (2D)
USED BY OPERATION:	# 67	Pocket (Standard)
USED BY OPERATION:	# 68	Pocket (Standard)
USED BY OPERATION:	# 69	Pocket (Standard)
USED BY OPERATION:	# 70	Pocket (Standard)
USED BY OPERATION:	# 71	Pocket (Standard)
USED BY OPERATION:	# 72	Pocket (Standard)
USED BY OPERATION:	# 73	Pocket (Standard)
USED BY OPERATION:	# 74	Pocket (Standard)
USED BY OPERATION:	# 75	Pocket (Standard)
USED BY OPERATION:	# 76	Pocket (Standard)
USED BY OPERATION:	# 77	Pocket (Standard)
USED BY OPERATION:	# 78	Pocket (Standard)
USED BY OPERATION:	# 79	Pocket (Standard)
USED BY OPERATION:	# 80	Pocket (Standard)
USED BY OPERATION:	# 81	Pocket (Standard)
USED BY OPERATION:	# 82	Pocket (Standard)
USED BY OPERATION:	# 83	Pocket (Standard)
USED BY OPERATION:	# 84	Pocket (Standard)

USED BY OPERATION:	# 85	Pocket (Standard)

OFFSET INFO

NUMBER:	1	VNUM: 1	ORIGIN: 0.0, 0.0, 0.0
USED BY OPERATION:	# 87	Drill/Cbore	
USED BY OPERATION:	# 88	Drill/Cbore	
USED BY OPERATION:	# 89	Drill/Cbore	
USED BY OPERATION:	# 90	Drill/Cbore	
USED BY OPERATION:	# 91	Drill/Cbore	
USED BY OPERATION:	# 92	Peck Drill	
USED BY OPERATION:	# 93	Peck Drill	
USED BY OPERATION:	# 94	Peck Drill	
USED BY OPERATION:	# 95	Peck Drill	
USED BY OPERATION:	# 96	Peck Drill	
USED BY OPERATION:	# 97	Drill/Cbore	
USED BY OPERATION:	# 98	Drill/Cbore	
USED BY OPERATION:	# 99	Drill/Cbore	
USED BY OPERATION:	# 100	Peck Drill	
USED BY OPERATION:	# 101	Peck Drill	