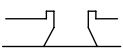
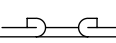
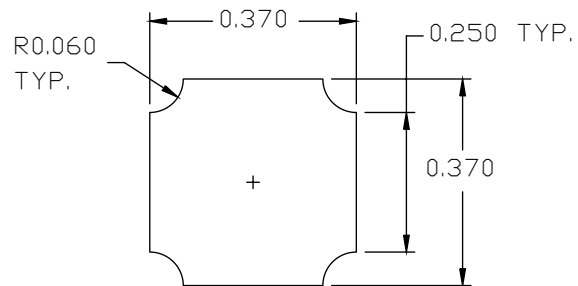


MJM SPECIAL TOOL LIST

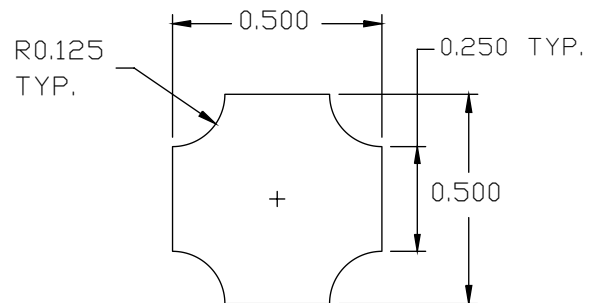
(UPDATED 5-25-2006)

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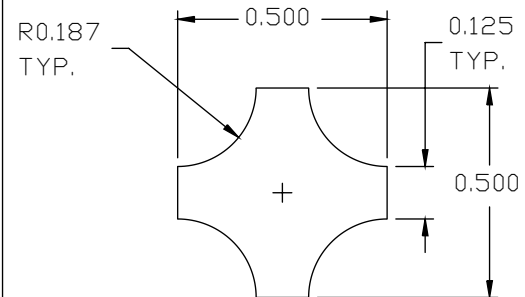
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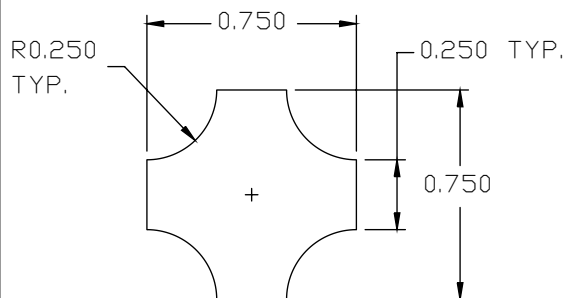
<u>TOOL NO.</u>	1000
<u>NAME</u>	.060 RAD
<u>STATION</u>	0.50\1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



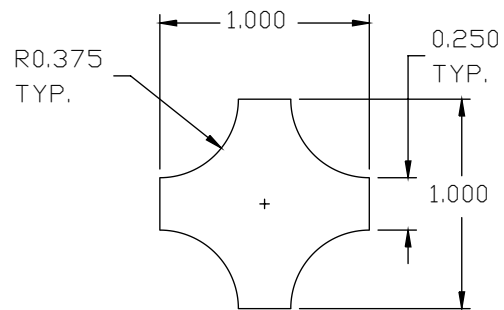
<u>TOOL NO.</u>	1009
<u>NAME</u>	.125 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



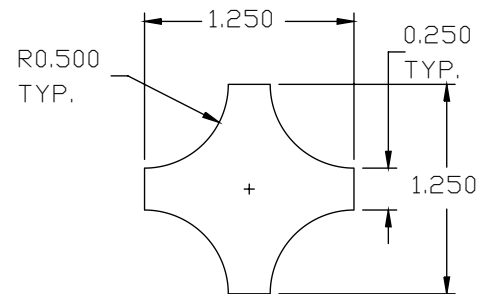
<u>TOOL NO.</u>	1015
<u>NAME</u>	.187 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004, .010
<u>ADD'L INFO</u>	



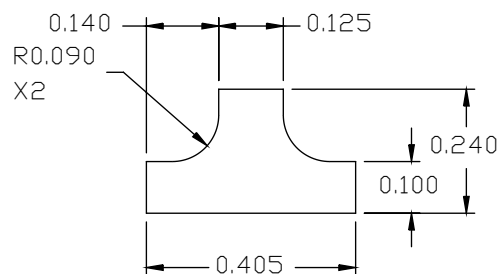
<u>TOOL NO.</u>	1018
<u>NAME</u>	.250 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008, .010, .018
<u>ADD'L INFO</u>	



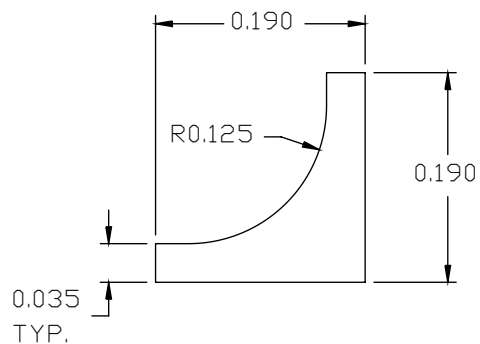
<u>TOOL NO.</u>	1019
<u>NAME</u>	.375 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



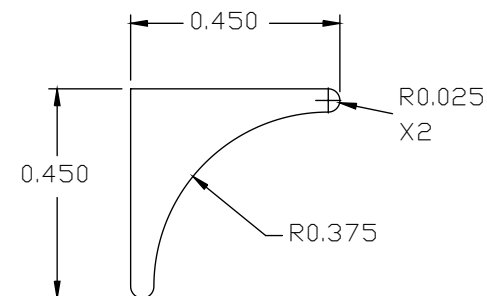
<u>TOOL NO.</u>	1023
<u>NAME</u>	.500 RAD.
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



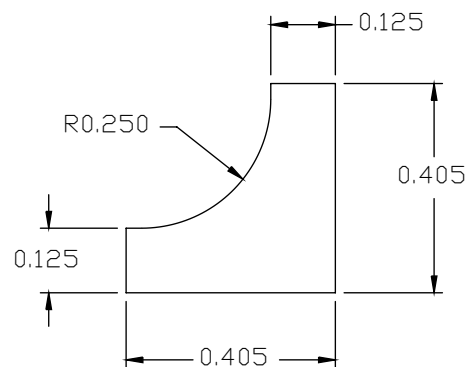
<u>TOOL NO.</u>	1006
<u>NAME</u>	.090 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



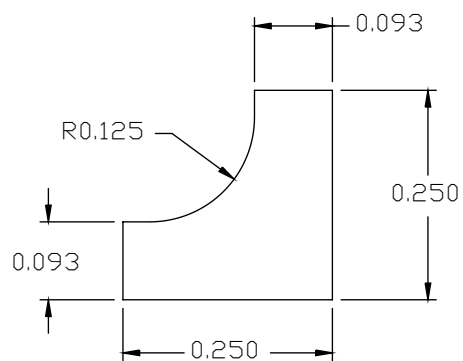
<u>TOOL NO.</u>	1010
<u>NAME</u>	.125 RAD.
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004, .008
<u>ADD'L INFO</u>	



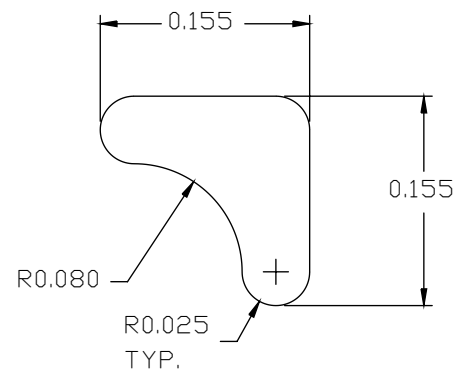
<u>TOOL NO.</u>	1278
<u>NAME</u>	.375 RADIUS A/I
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.006
<u>ADD'L INFO</u>	



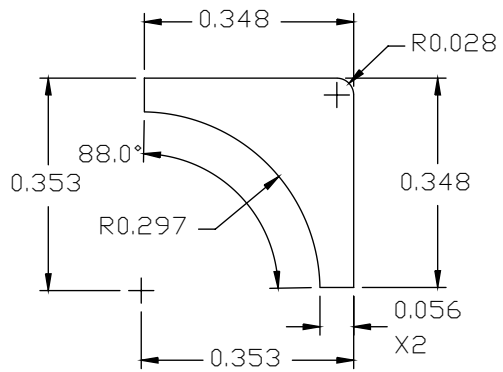
<u>TOOL NO.</u>	1119
<u>NAME</u>	.250 RAD.
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



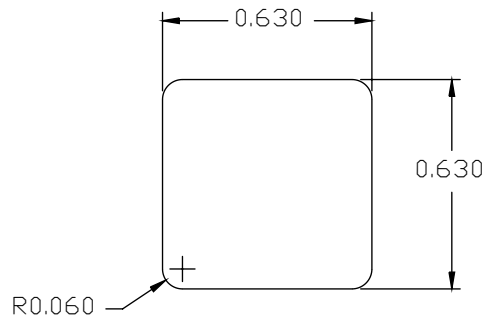
<u>TOOL NO.</u>	1128
<u>NAME</u>	.125 RAD.
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.010
<u>ADD'L INFO</u>	



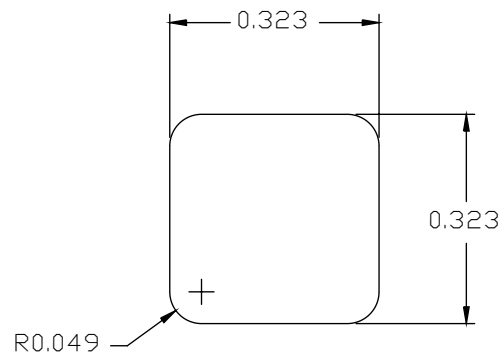
<u>TOOL NO.</u>	1279
<u>NAME</u>	.080 RADIUS A/I
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.006
<u>ADD'L INFO</u>	



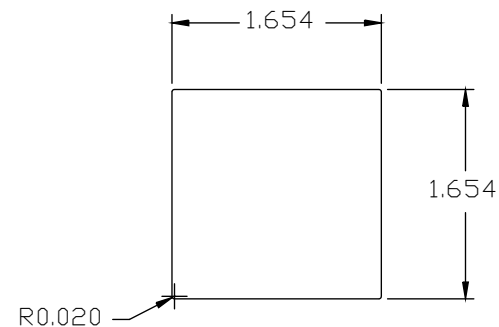
TOOL NO.	1280
NAME	.297 RADIUS A\I
STATION	1.25
ANGLES	0 90 180 270
CLEARANCE	.006
ADD'L INFO	



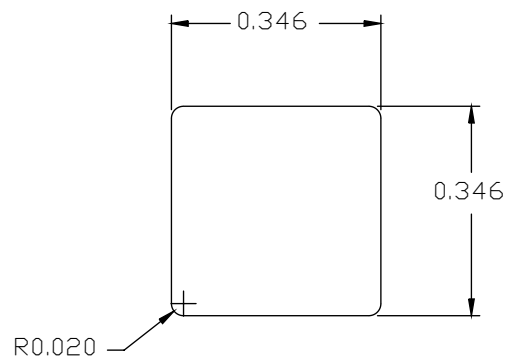
<u>TOOL NO.</u>	1106
<u>NAME</u>	.630 SQ. W/.060 RAD
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



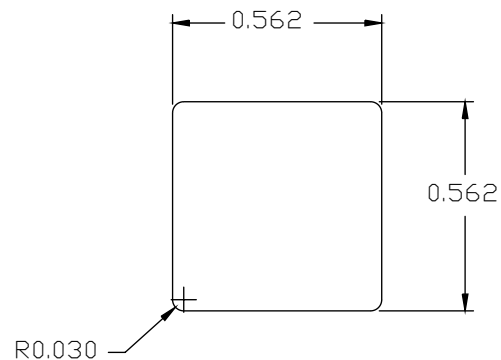
<u>TOOL NO.</u>	1127
<u>NAME</u>	.323 SQ. W/.049 RAD
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



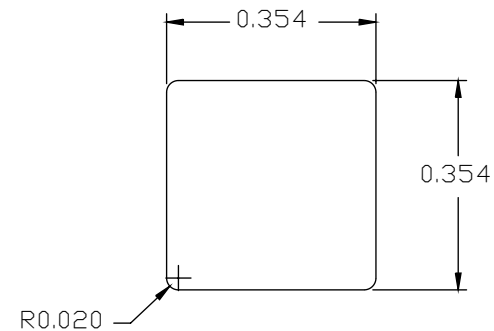
<u>TOOL NO.</u>	1129
<u>NAME</u>	1.654 SQ. W/.020 RAD
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



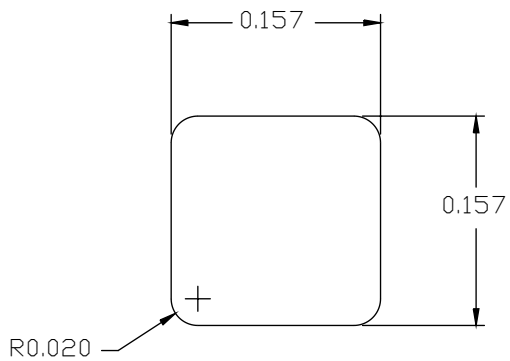
<u>TOOL NO.</u>	1134
<u>NAME</u>	.346 SQ. W/.020 RAD
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008, .010, .018
<u>ADD'L INFO</u>	



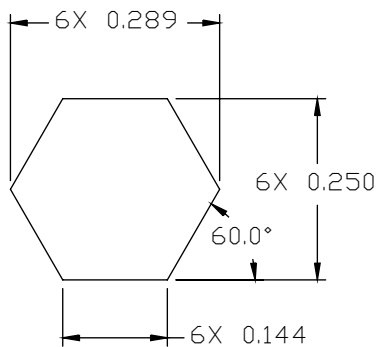
<u>TOOL NO.</u>	1166
<u>NAME</u>	.562 SQ. W/.030 RAD
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



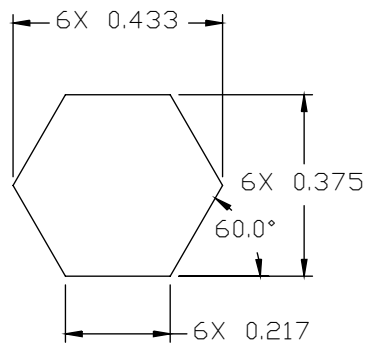
<u>TOOL NO.</u>	1265
<u>NAME</u>	.354 SQ. W/.020 RAD
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



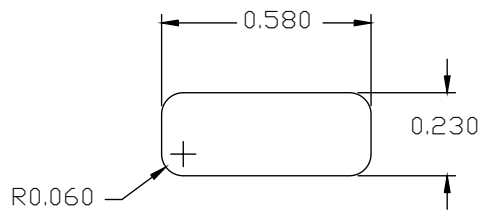
<u>TOOL NO.</u>	1276
<u>NAME</u>	.157 SQ. W/.020 RAD
<u>STATION</u>	0.50
<u>ANGLES</u>	0 45
<u>CLEARANCE</u>	.006
<u>ADD'L INFO</u>	



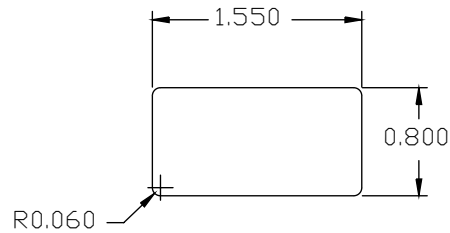
<u>TOOL NO.</u>	1133
<u>NAME</u>	.250 HEX
<u>STATION</u>	.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



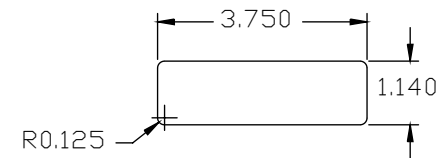
<u>TOOL NO.</u>	1318
<u>NAME</u>	.375 HEX
<u>STATION</u>	.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



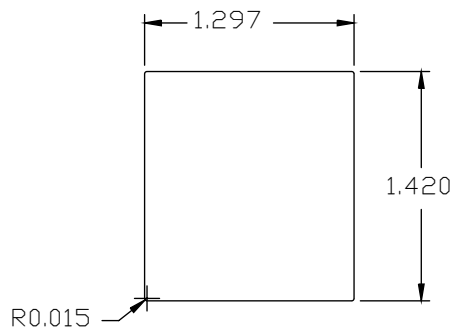
<u>TOOL NO.</u>	1017
<u>NAME</u>	.230 X .580 RECT
	W/.060 RAD
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004
<u>ADD'L INFO</u>	



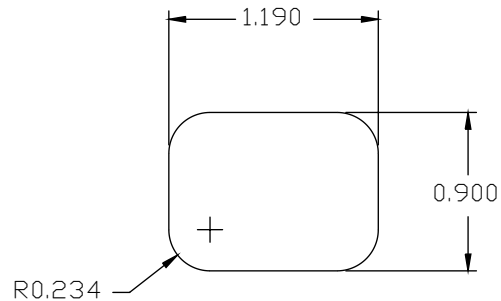
<u>TOOL NO.</u>	1025
<u>NAME</u>	.800 X 1.550 RECT
	W/.060 RAD
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.010
<u>ADD'L INFO</u>	



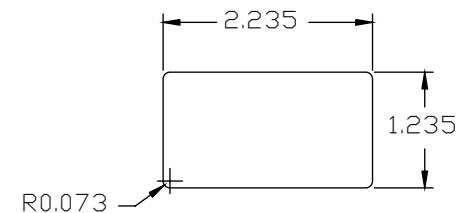
<u>TOOL NO.</u>	1028
<u>NAME</u>	1.140 X 3.750 RECT
	W/.125 RAD
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



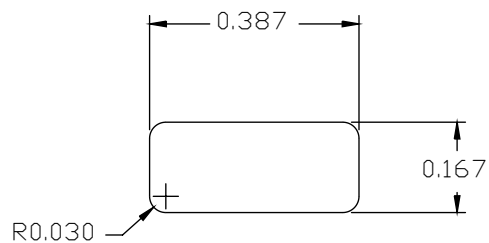
<u>TOOL NO.</u>	1029
<u>NAME</u>	1.297 X 1.420 RECT
	W/.015 RAD
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



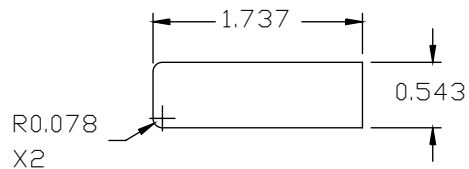
<u>TOOL NO.</u>	1100
<u>NAME</u>	.900 X 1.190 RECT
	W/.234 RAD
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



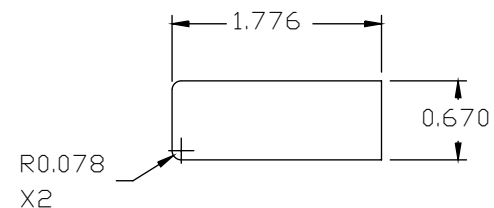
<u>TOOL NO.</u>	1101
<u>NAME</u>	1.235 X 2.235 RECT
	W/.073 RAD
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



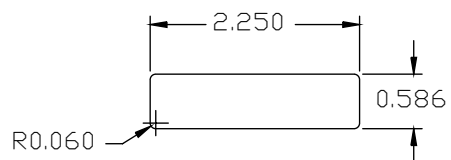
TOOL NO. 1187
NAME .167 X .387 RECT
W/.030 RAD
STATION 0.50
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



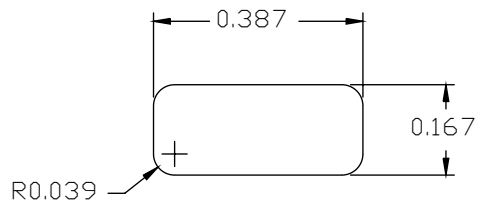
TOOL NO. 1099
NAME .543 X 1.737 RECT
W/.078 RAD
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



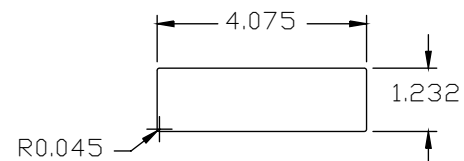
TOOL NO. 1093
NAME .670 X 1.776 RECT
W/.078 RAD
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



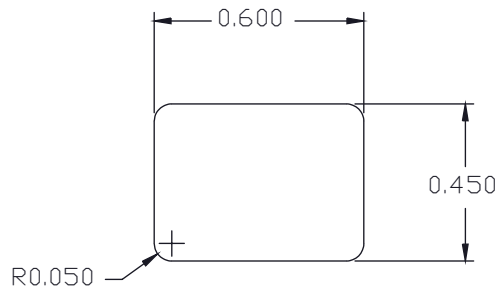
TOOL NO. 1147
NAME .586 X 2.250 RECT
W/.060 RAD
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



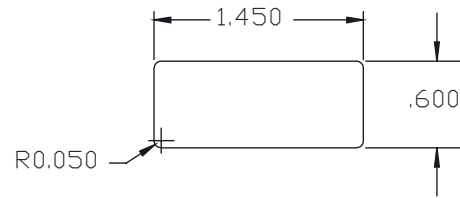
TOOL NO. 1199
NAME .167 X .387 RECT
W/.039 RAD
STATION 0.50
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO AIR BLOW



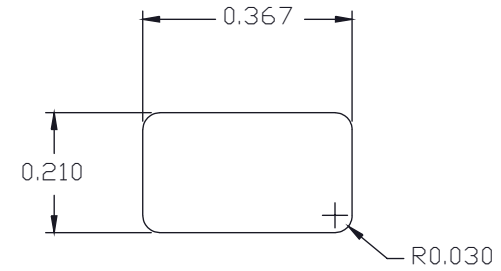
TOOL NO. 1210
NAME 1.232 X 4.075 RECT
W/.045 RAD
STATION 4.50
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



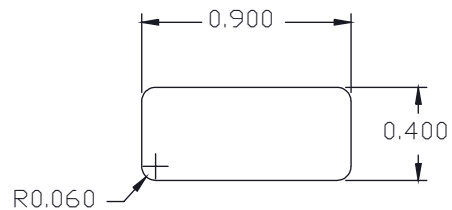
TOOL NO. 1360
NAME .450 X .600 RECT
 W/.050 RAD
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



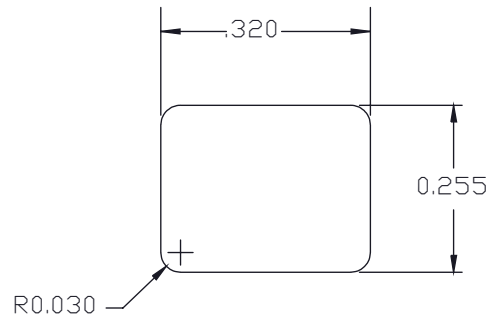
TOOL NO. 1361
NAME .600 X 1.450 RECT
 W/.050 RAD
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



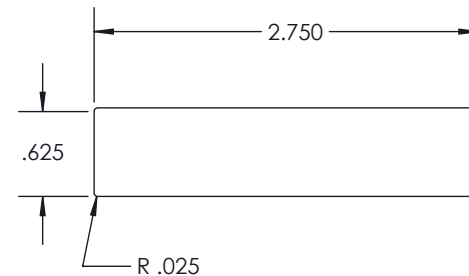
TOOL NO. 1274
NAME .210 X .367 RECT
 W/.030 RAD
STATION 0.50
ANGLES 0 90 180 270
CLEARANCE .006
ADD'L INFO



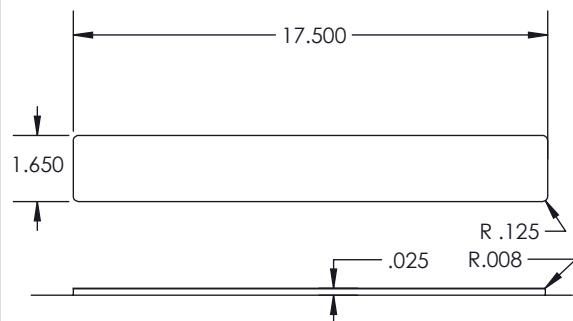
TOOL NO. 1272
NAME .400 X .900 RECT
 W/.060 RAD
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .006
ADD'L INFO



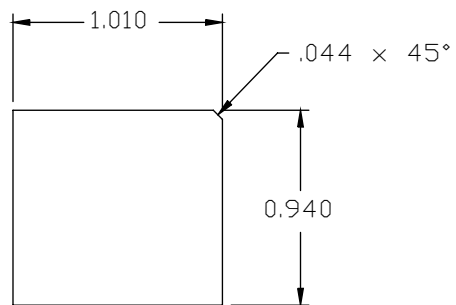
TOOL NO. 1273
NAME .255 X 0.320 RECT
 W/.050 RAD
STATION 0.50
ANGLES 0 90 180 270
CLEARANCE .006
ADD'L INFO



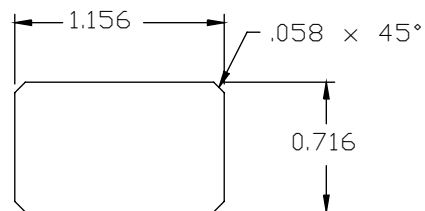
TOOL NO. 16417
NAME .625 X 2.750 RECT
 W/.025 RAD
STATION 3.5
ANGLES 0 90 180 270
CLEARANCE .012
ADD'L INFO



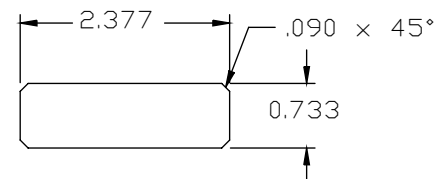
<u>TOOL NO.</u>	22231
<u>NAME</u>	REC EMBOSS
<u>STATION</u>	FORMING PRESS
<u>ANGLES</u>	0
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	FORMING TOOL



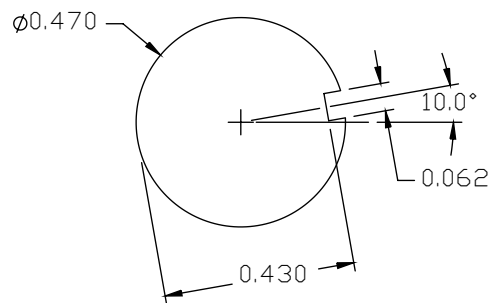
TOOL NO. 1102
NAME .940 X 1.010 RECT
 W/.044 CHAMF. X1
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



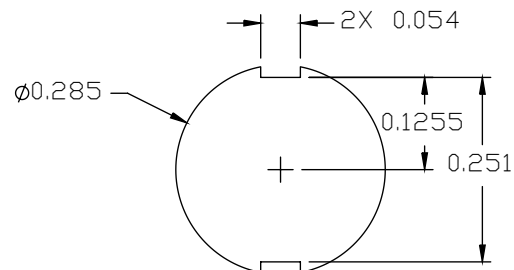
TOOL NO. 1039
NAME .716 X 1.156 RECT
 W/ .058 CHAMF X4
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



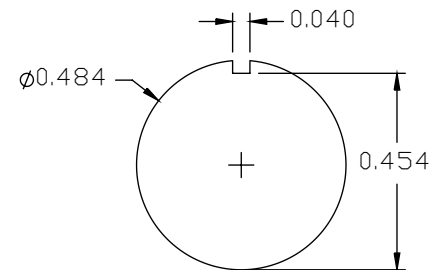
TOOL NO. 1080
NAME .733 X 2.377 RECT
 W/ .090 CHAMF X4
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



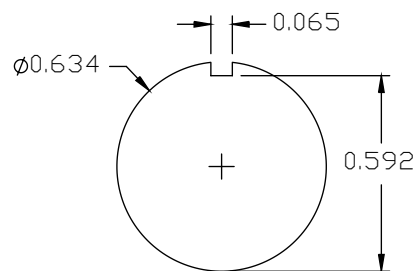
TOOL NO.	1030
NAME	$\phi 0.470$ W/ 10 DEG. KEY
STATION	SIZE
ANGLES	0 90 180 270
CLEARANCE	.008
ADD'L INFO	



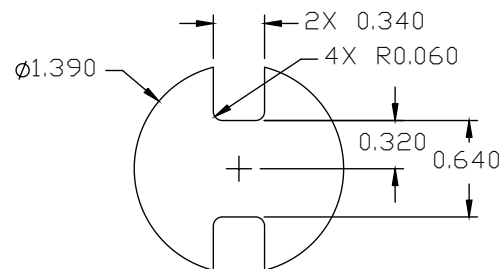
TOOL NO.	1051
NAME	$\phi 0.285$ W/ 2 KEYS
STATION	SIZE
ANGLES	0 90 180 270
CLEARANCE	.008
ADD'L INFO	



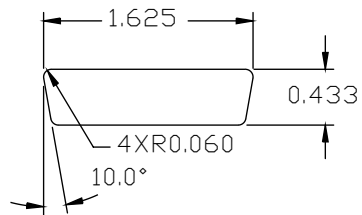
TOOL NO.	1132
NAME	$\phi 0.484$ W/ ONE KEY
STATION	SIZE
ANGLES	0 90 180 270
CLEARANCE	.008
ADD'L INFO	



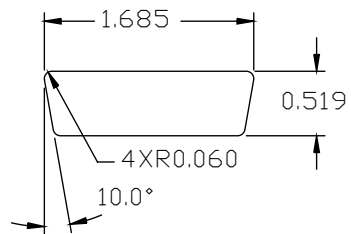
TOOL NO.	1250
NAME	$\phi 0.634$ W/ONE KEY
STATION	SIZE
ANGLES	0 90 180 270
CLEARANCE	.008
ADD'L INFO	



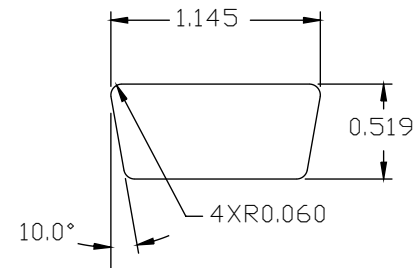
TOOL NO.	1270
NAME	$\phi 1.390$ W/ 2 KEYS
STATION	2.00
ANGLES	0 90 180 270
CLEARANCE	.008
ADD'L INFO	



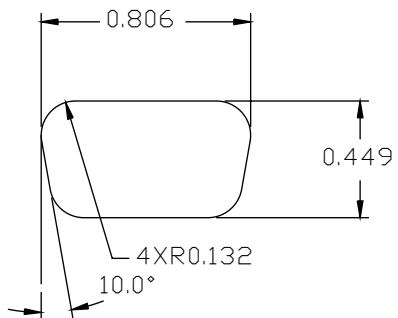
<u>TOOL NO.</u>	1020
<u>NAME</u>	.433 X 1.625 CONN
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



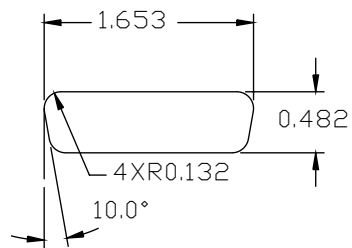
<u>TOOL NO.</u>	1021
<u>NAME</u>	.519 X 1.685 CONN
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



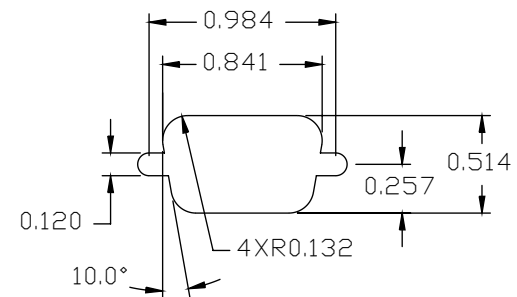
<u>TOOL NO.</u>	1024
<u>NAME</u>	.519 X 1.145 CONN
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



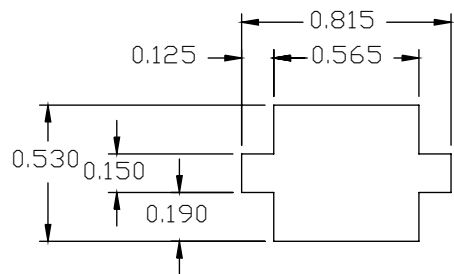
<u>TOOL NO.</u>	1040
<u>NAME</u>	.449 X .806 CONN
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004
<u>ADD'L INFO</u>	



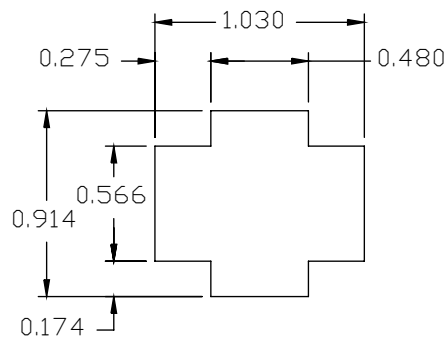
<u>TOOL NO.</u>	1042
<u>NAME</u>	.482 X 1.653 CONN
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.010
<u>ADD'L INFO</u>	



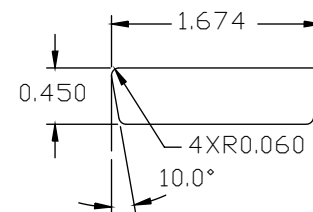
<u>TOOL NO.</u>	1043
<u>NAME</u>	.514 X .984 CONN
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



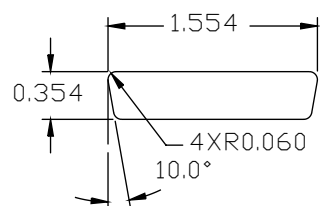
TOOL NO. 1044
NAME CONN 5407034-A
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



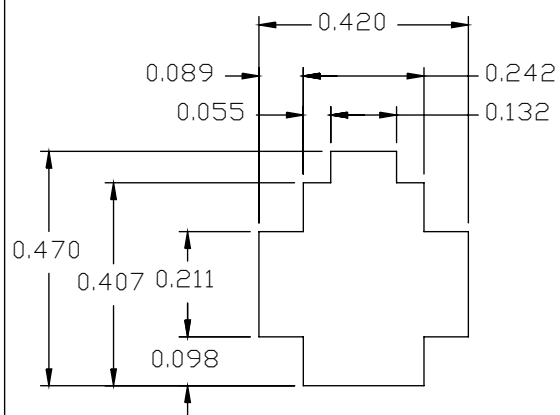
TOOL NO. 1096
NAME TOL 4403
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .010
ADD'L INFO



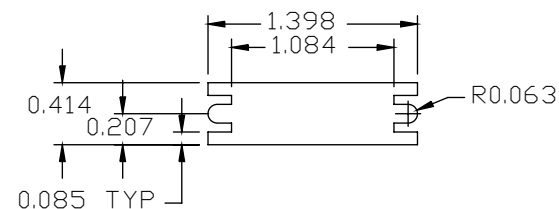
TOOL NO. 1120
NAME CONN. .450 X 1.674
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .004, .010
ADD'L INFO



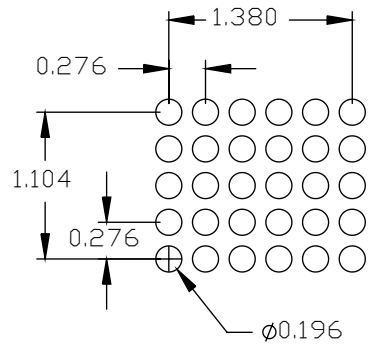
TOOL NO. 1172
NAME CONN. .354 X 1.554
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .008, .010, .018
ADD'L INFO



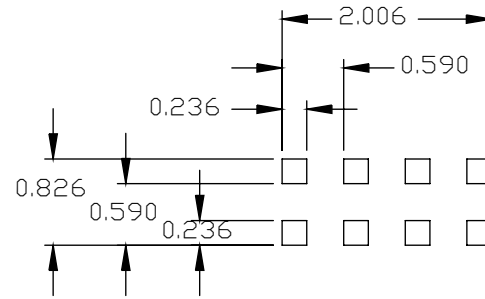
TOOL NO. 1197
NAME TELEPHONE JACK #1
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



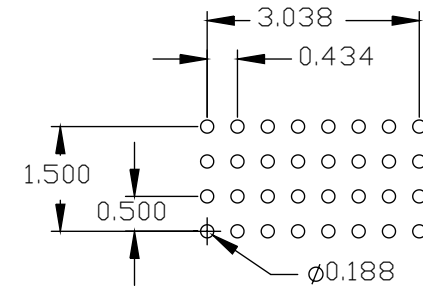
TOOL NO. 1214
NAME .413 X 1.398 CONN.
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



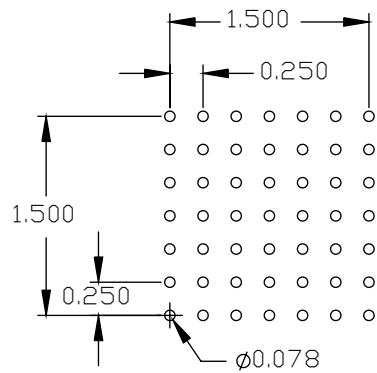
TOOL NO. 1048
NAME CEAG ϕ 0.196 X 30
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



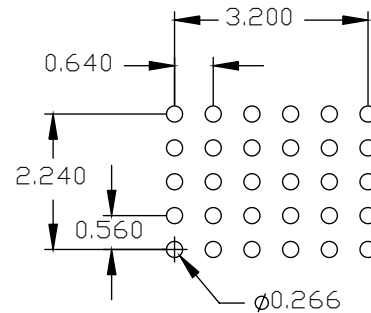
TOOL NO. 1049
NAME CEAG .236 SQ. X8
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE 0.010
ADD'L INFO



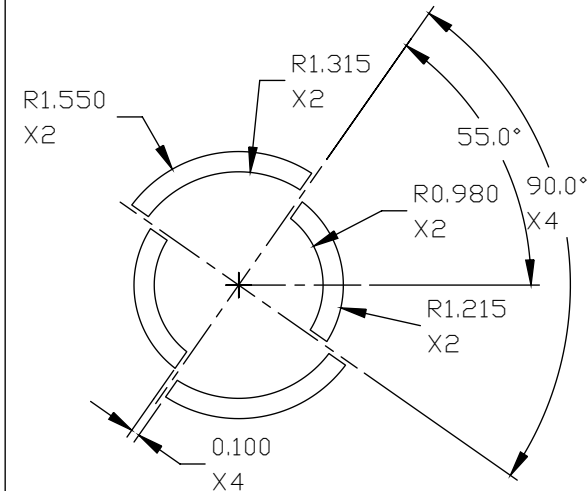
TOOL NO. 1067
NAME TOOL 3999
STATION 4.50
ANGLES 0 90
CLEARANCE 0.008
ADD'L INFO



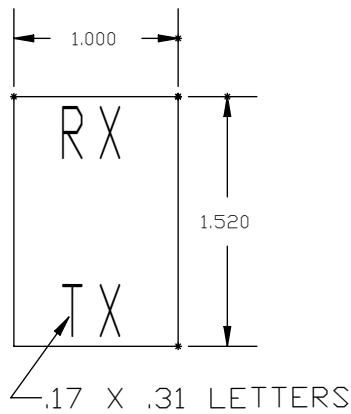
TOOL NO. 1068
NAME ϕ 0.078 CLUSTER X 49
STATION 3.50
ANGLES 0 90
CLEARANCE 0.008
ADD'L INFO



TOOL NO. 1183
NAME ϕ 0.266 CLUSTER X 30
STATION 4.50
ANGLES 0 90
CLEARANCE 0.008
ADD'L INFO

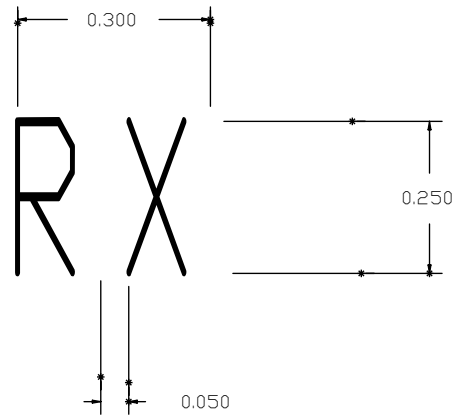


TOOL NO. 1159
NAME 5394 FAN VENT
STATION 3.50
ANGLES 0 90
CLEARANCE 0.008
ADD'L INFO



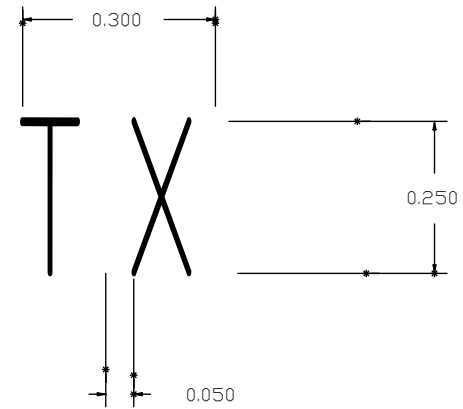
FORM DOWN

SPECIAL TOOL NO. 1005
 SPECIAL TOOL NAME: RX,TX @ 4480
 STATION SIZE: 2.00
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:



FORM DOWN

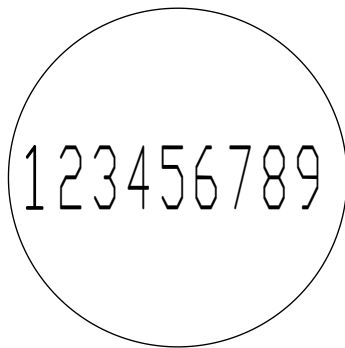
SPECIAL TOOL NO. 1117
 SPECIAL TOOL NAME: RX LETTERS
 STATION SIZE: 0.50
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:



FORM DOWN

SPECIAL TOOL NO. 1122
 SPECIAL TOOL NAME: TX LETTERS
 STATION SIZE: 0.50
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:

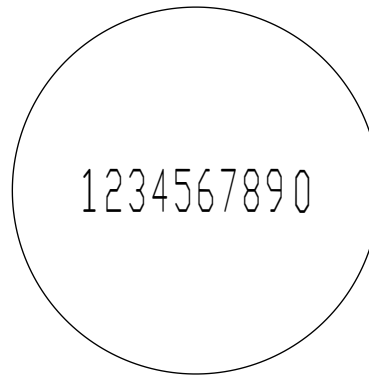
9 CHARACTERS AT 1/8 II 18 AT 1/16



FORM DOWN

SPECIAL TOOL NO. 1189
 SPECIAL TOOL NAME: CHARACTERS
 STATION SIZE: 1.25
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:

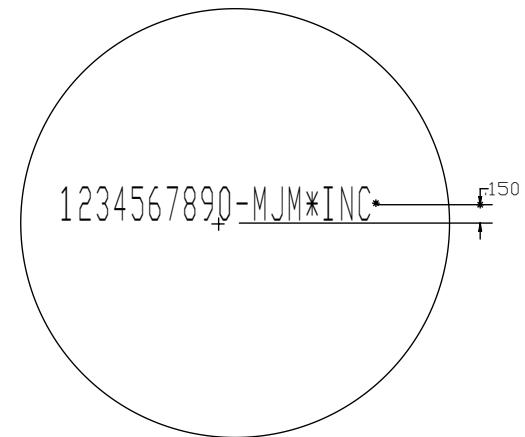
10 CHARACTERS AT 1/8 II 20 AT 1/16



FORM DOWN

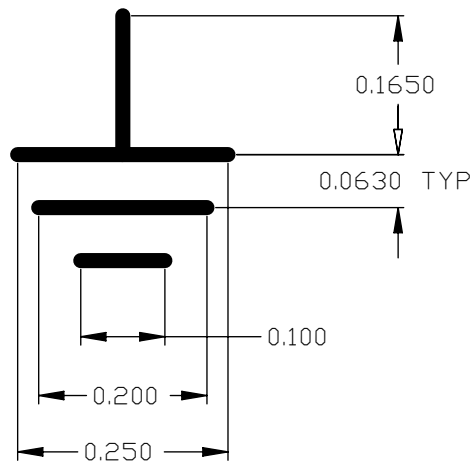
SPECIAL TOOL NO. 1031
 SPECIAL TOOL NAME: CHARACTERS
 STATION SIZE: 2.00
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:

18 CHARACTERS AT 1/8 II 36 AT 1/16



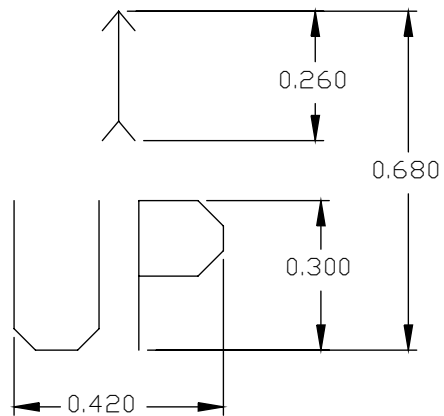
FORM DOWN

SPECIAL TOOL NO. 1034
 SPECIAL TOOL NAME: CHARACTERS
 STATION SIZE: 3.50
 KEYED ANGLES: 0.00,90.00
 CLEARANCE:
 ADD'L INFO:



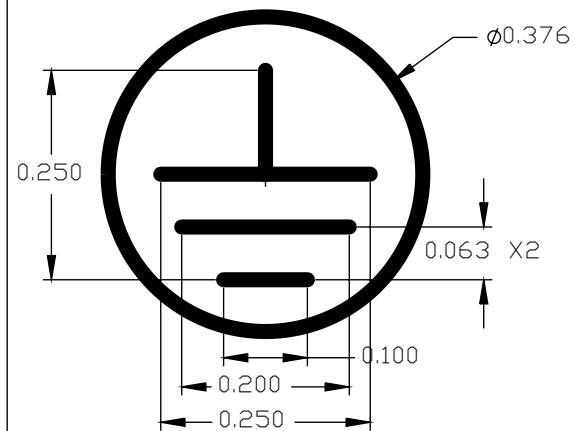
FORM UP

TOOL NO. 1054
NAME GROUND SYMBOL
STATION 1.25
ANGLES
CLEARANCE
ADD'L INFO



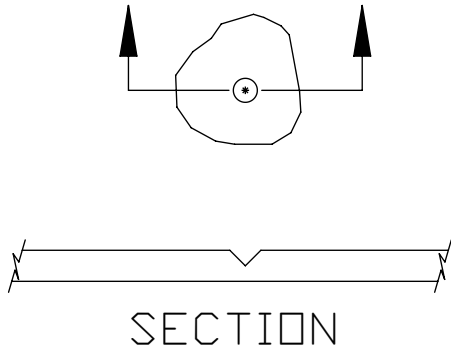
FORM DOWN

TOOL NO. 1123
NAME UP ARROW
STATION 1.25
ANGLES
CLEARANCE
ADD'L INFO

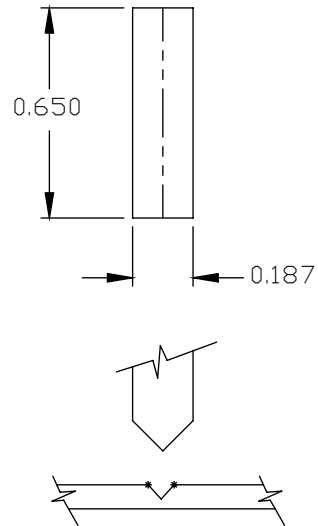


FORM DOWN

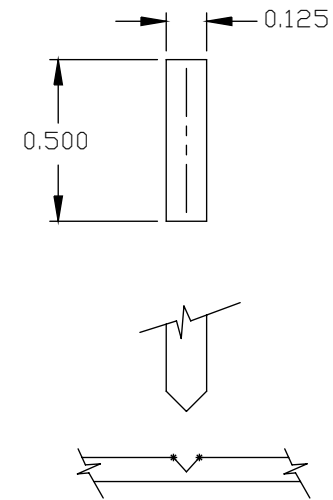
TOOL NO. 1364
NAME POWER GROUND SYMBOL
STATION 0.50
ANGLES
CLEARANCE
ADD'L INFO



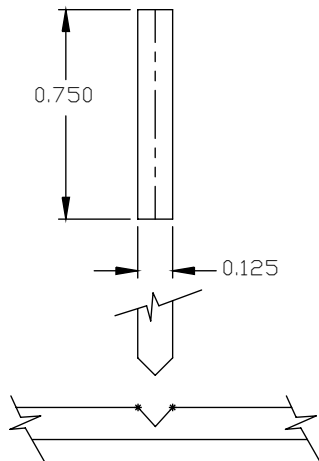
TOOL NO. 1074
NAME CENTER PUNCH
STATION 0.50
ANGLES
CLEARANCE
ADD'L INFO



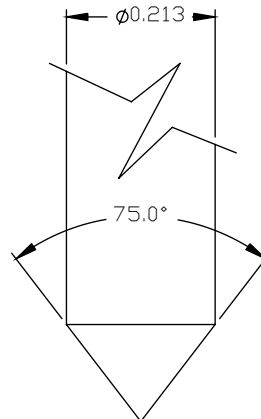
TOOL NO. 1143
NAME V-GROOVE
STATION 1.25
ANGLES 0 90
CLEARANCE
ADD'L INFO



TOOL NO. 1170
NAME V-GROOVE
STATION 1.25
ANGLES 0 90
CLEARANCE
ADD'L INFO

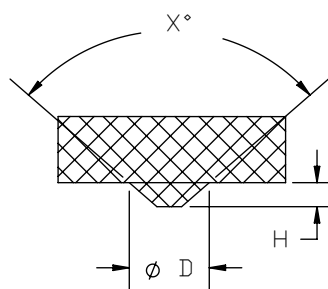
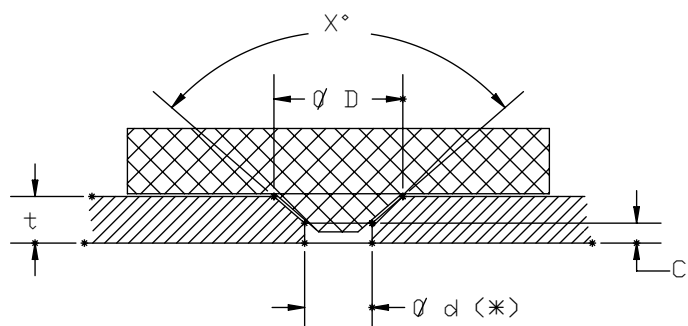


TOOL NO. 1306
NAME V-GROOVE
STATION 1.25
ANGLES 0 90
CLEARANCE
ADD'L INFO



TOOL NO. 1336
NAME 996 CENTER PUNCH
STATION 0.50
ANGLES N/A
CLEARANCE
ADD'L INFO

F/D COINING C'SINK



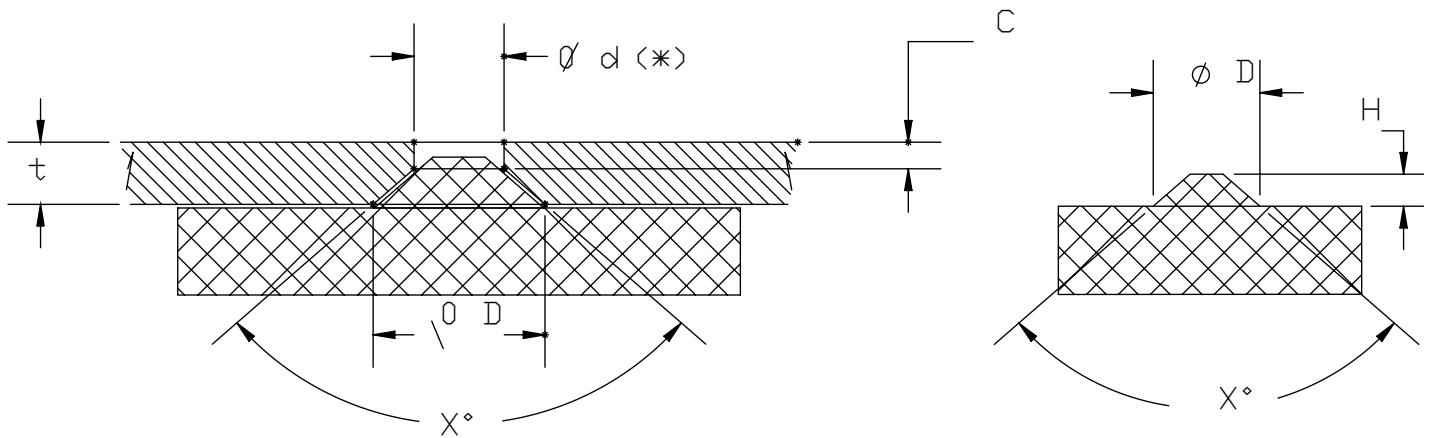
(*) PRE-PUNCHIN HOLE REQUIRED

ALL TOOLS FORM DOWN

	1.25 STA.	
	FORM UP	FORM DN
ϕD	.472 MAX.	.591 MAX.
C	.010" MIN CONTROLLED BY D	
MATERIAL	MILD STEEL 0.047 MIN.	

TOOL#	ϕD	X°	"H"	TYPE
1045	0.235	120°	0.059	C'SINK
1046	0.230	82°	0.068	
1047	0.275	82°	0.075	
1089	0.360	82°	0.097	
1139	0.250	100°	0.043	
1188	0.236	90°	0.048	
1225	0.294	90°	0.061	
1227	0.225	82°	0.103	
1232	0.206	100°	0.068	
1234	0.275	120°	0.060	
1235	0.350	82°	0.070	
1239	0.290	82°	0.100	
1247	0.343	100°	0.075	
1248	0.234	100°	0.045	
1252	0.280	82°	0.055	
1253	0.283	82°	0.092	
1254	0.312	82°	0.080	
1255	0.256	100°	0.063	
1256	0.396	82°	0.085	
1257	0.316	90°	0.068	
1258	0.332	90°	0.079	
1268	0.240	82°	0.046	
1281	0.238	82°	0.061	
1303	0.285	100°	0.063	
1304	0.235	100°	0.063	
1309	0.156	0°	0.035	COUNTERBORE
1311	0.320	120°	0.065	C'SINK
1321	0.380	90°	0.074	
1322	0.240	90°	0.065	
1323	0.332	90°	0.079	
1327	0.435	90°	0.116	
1328	0.325	82°	0.100	
1329	0.255	90°	0.100	
1331	0.255	82°	0.100	
1332	0.360	120°	0.080	
1339	0.400	82°	0.140	

F/U COINING C'SINK

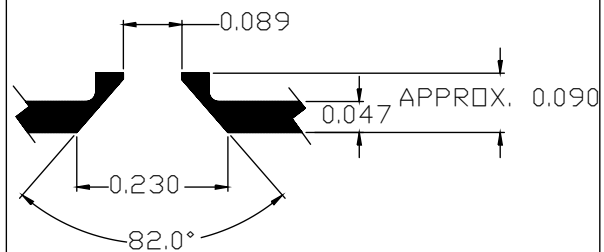


(*) PRE-PUNCH HOLE REQUIRED

ALL TOOLS FORM UP

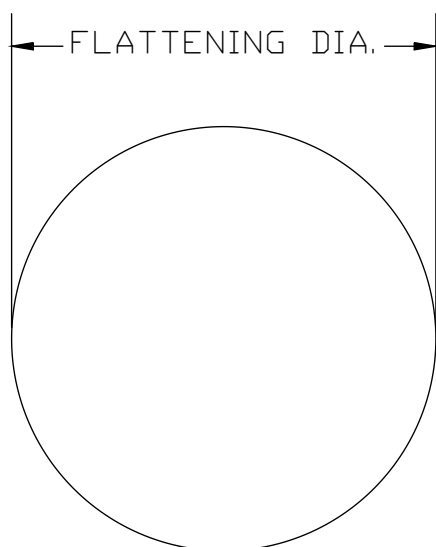
TOOL #	ϕD	X°	H
1131	0.234	120°	.050
1141	.290	82°	.105
1142	0.234	100°	.050
1146	0.273	120°	.047
1157	0.295	100°	.059
1179	0.332	120°	.059
1203	0.248	90°	.052
1213	0.200	100°	.053
1215	0.175	82°	.041
1229	0.300	90°	.055
1240	.527	82°	.100
1249	.340	82°	.062
1252	.290	100°	.052
1259	.260	82°	.068
1260	.300	120°	.058

	1.25 STA.	
	FORM UP	FORM DN
ϕD	.472 MAX.	.591 MAX.
C	80° OF t (MAX.)	
MATERIAL	MILD STEEL 0.047 MIN.	

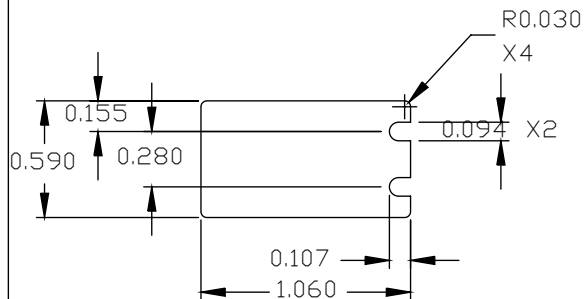


<u>TOOL NO.</u>	1216
<u>NAME</u>	ø.090 EXT W/ 82°CSK
<u>STATION</u>	STATION SIZE
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	

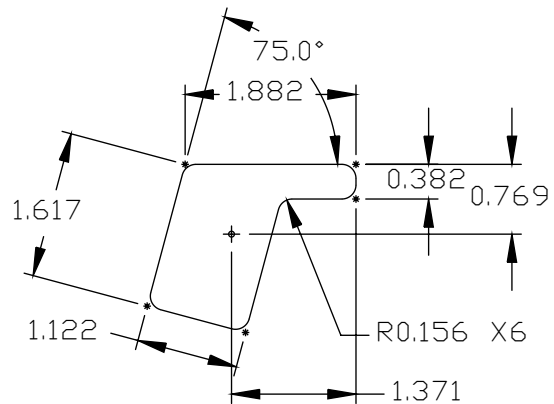
TOP FLATTENING PUNCH



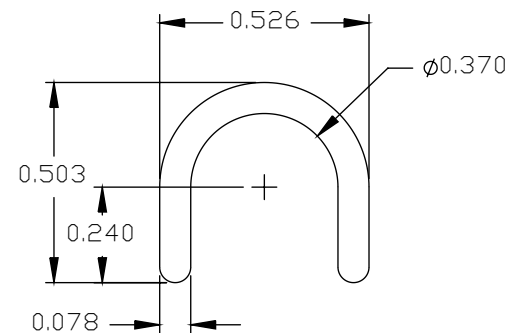
TOOL #	STA. SIZE	FLATTENING DIA.
1289	1.25	0.938
1358	4.50	4.50



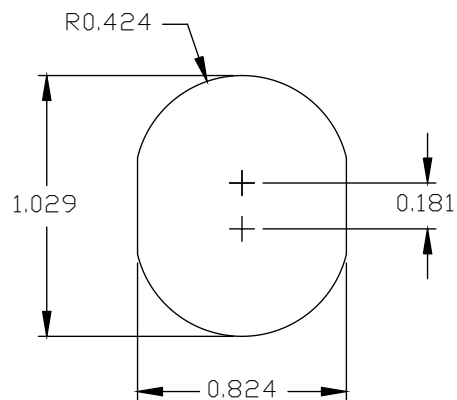
TOOL NO. 1036
NAME 3708 BLANKING
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .004 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



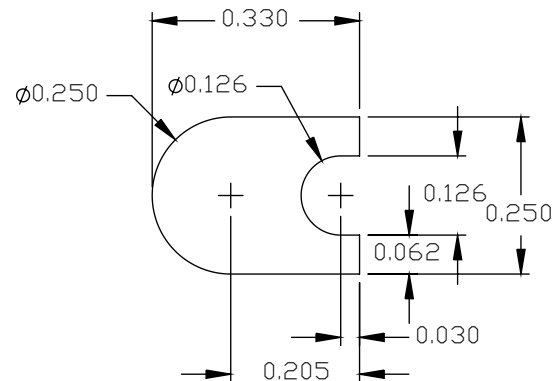
TOOL NO. 1050
NAME 5113 BLANKING
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



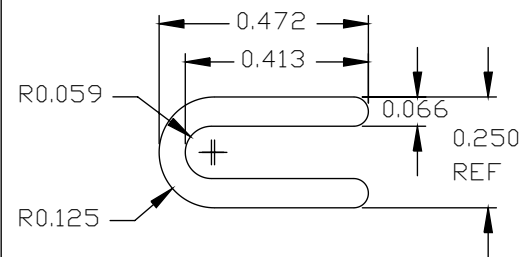
TOOL NO. 1055
NAME HORSESHOE
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



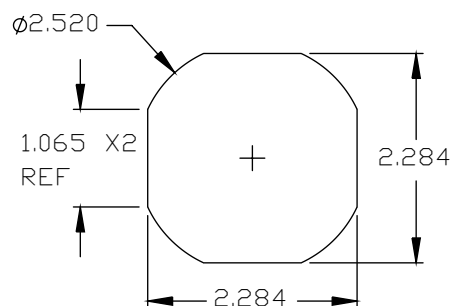
TOOL NO. 1058
NAME TOL3729
STATION 1.25
ANGLES 0 90
CLEARANCE .012
ADD'L INFO NOT AN OBOUND
OR DOUBLE-D



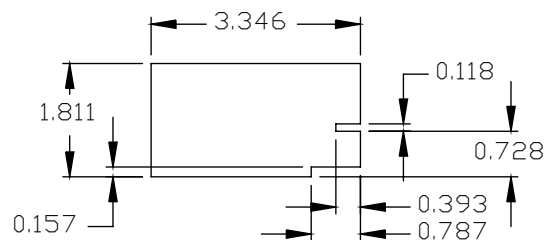
TOOL NO. 1059
NAME TOL 3850
STATION 0.50
ANGLES 0 90 180 270
CLEARANCE .006
ADD'L INFO



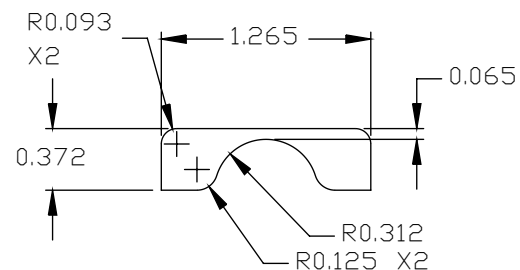
TOOL NO. 1060
NAME TOL 3867-1
STATION 1.25
ANGLES 0 90 180 270
CLEARANCE .004
ADD'L INFO



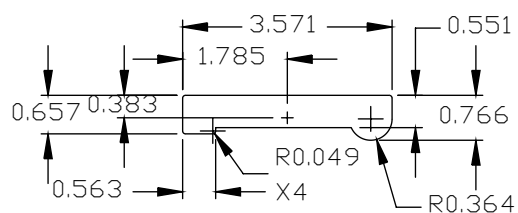
<u>TOOL NO.</u>	1207
<u>NAME</u>	FAN CUTOUT
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



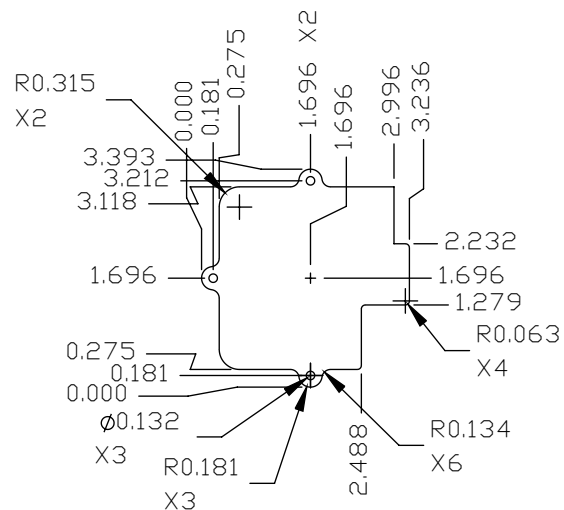
<u>TOOL NO.</u>	1209
<u>NAME</u>	6053 BLANKING
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.004
<u>ADD'L INFO</u>	



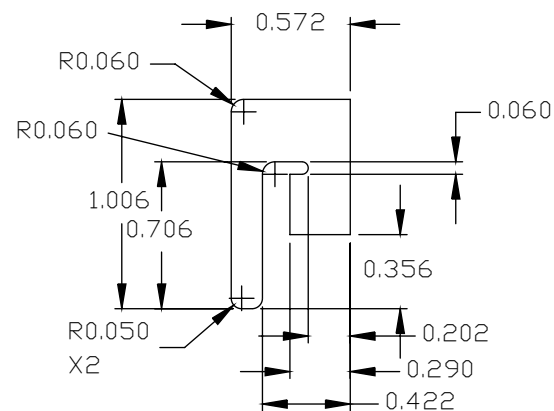
<u>TOOL NO.</u>	1126
<u>NAME</u>	R.312 BLANKING
<u>STATION</u>	2.00
<u>ANGLES</u>	
<u>CLEARANCE</u>	
<u>ADD'L INFO</u>	



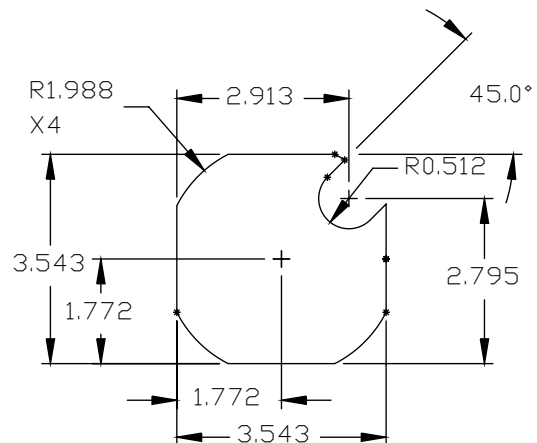
<u>TOOL NO.</u>	1211
<u>NAME</u>	6057 BLANKING
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



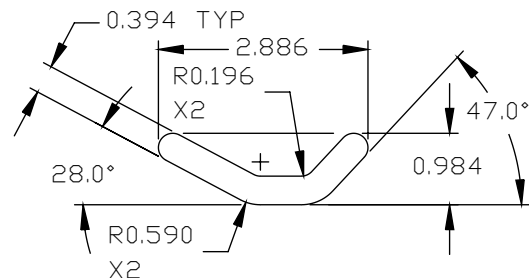
<u>TOOL NO.</u>	1138
<u>NAME</u>	5099 BLANKING
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



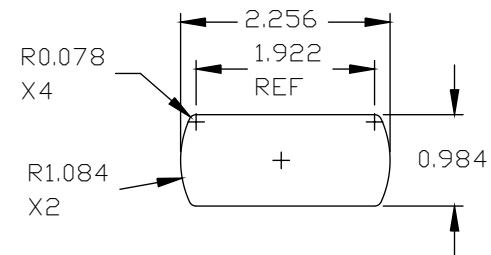
<u>TOOL NO.</u>	1175
<u>NAME</u>	5560 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.004 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



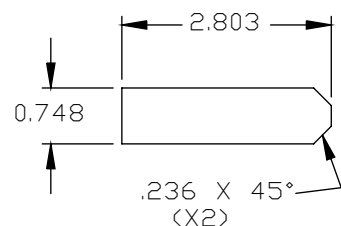
TOOL NO. 1224
NAME 6295 BLANKING
STATION 4.50
ANGLES
CLEARANCE 0.012 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



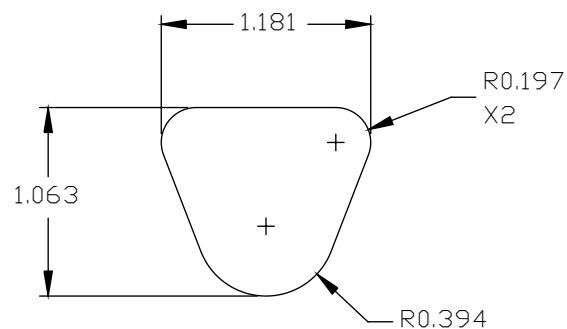
TOOL NO. 1228
NAME 6312 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE 0.012 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



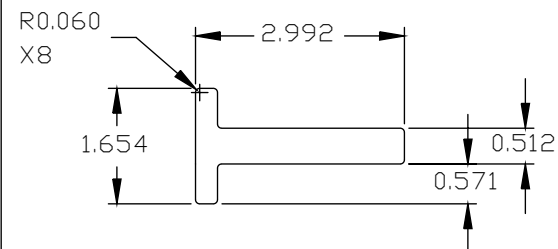
TOOL NO. 1236
NAME 6404 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE 0.012 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



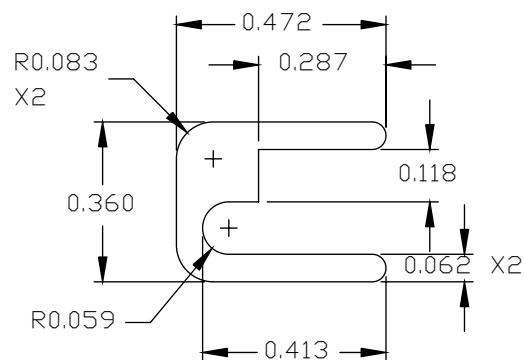
TOOL NO. 1237
NAME 6401 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE 0.006 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



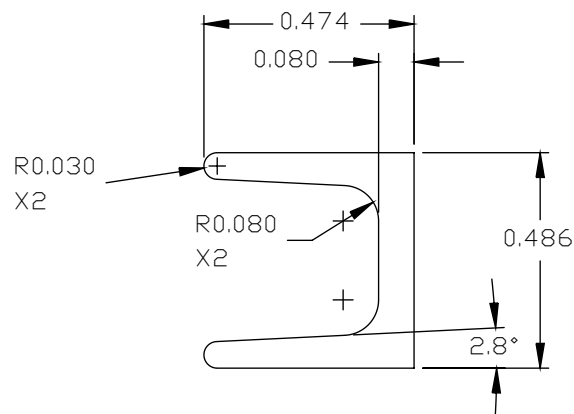
TOOL NO. 1238
NAME 6422 BLANKING
STATION 2.00
ANGLES 0 90
CLEARANCE 0.008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



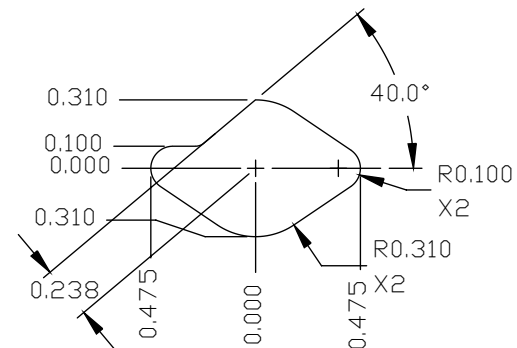
TOOL NO. 1269
NAME 107 BLANKING
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE 0.004 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



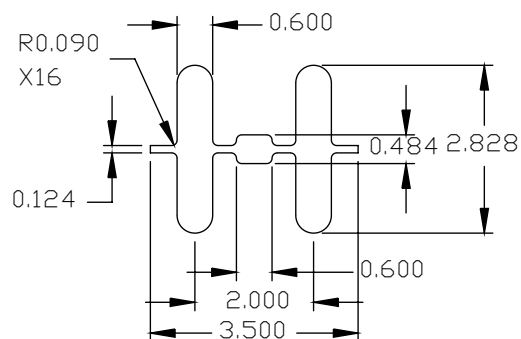
<u>TOOL NO.</u>	1061
<u>NAME</u>	TOL3876-2
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004
<u>ADD'L INFO</u>	



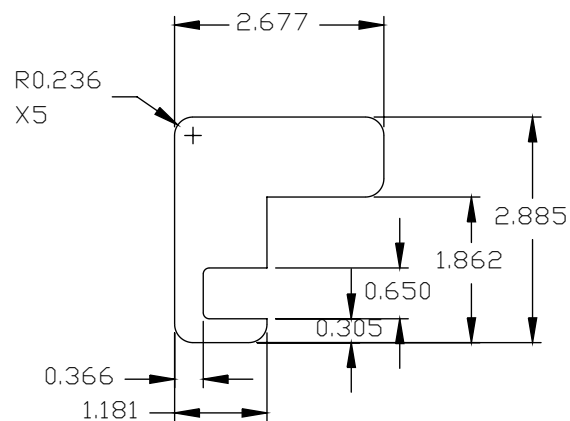
<u>TOOL NO.</u>	1062
<u>NAME</u>	TOL3868
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	.004
<u>ADD'L INFO</u>	



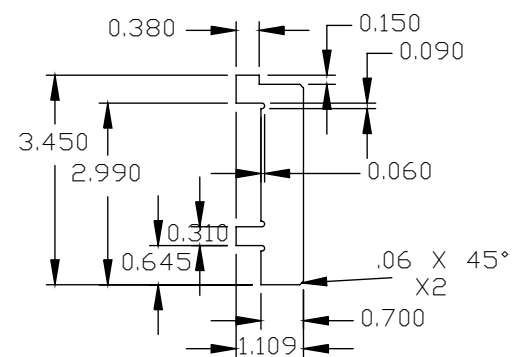
<u>TOOL NO.</u>	1086
<u>NAME</u>	4281 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.006 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



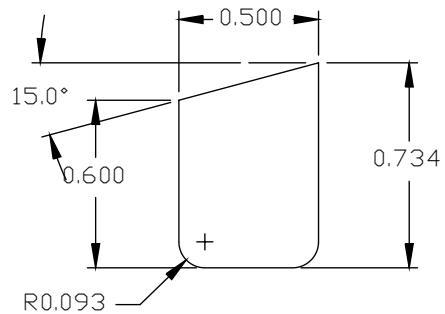
<u>TOOL NO.</u>	1064
<u>NAME</u>	TOL3946
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	USE W/ G04 DELAY



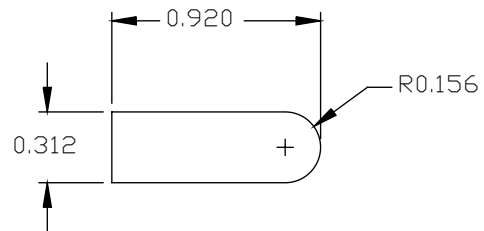
<u>TOOL NO.</u>	1091
<u>NAME</u>	TOL4379
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	0.008
<u>ADD'L INFO</u>	



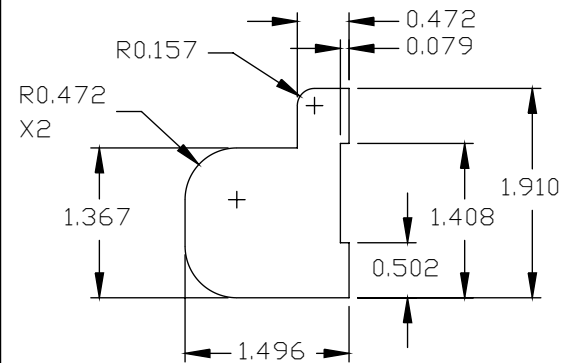
<u>TOOL NO.</u>	1093
<u>NAME</u>	5718 BLANKING
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	0.008 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



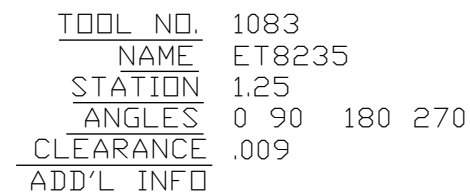
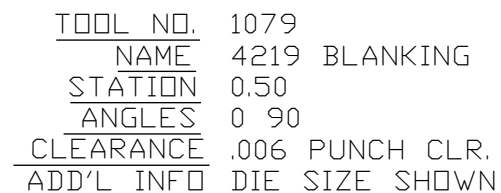
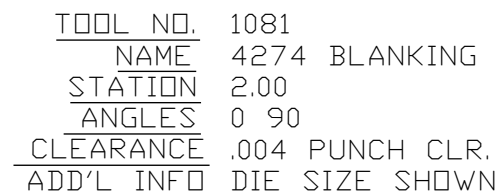
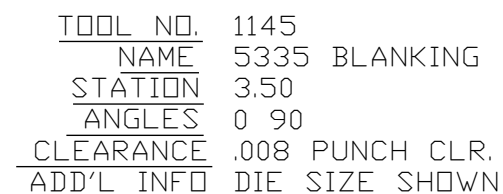
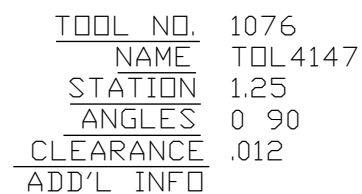
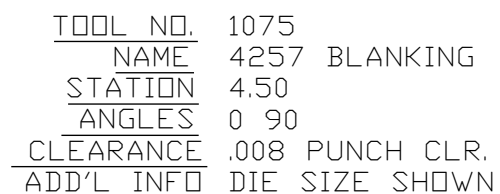
<u>TOOL NO.</u>	1305
<u>NAME</u>	7068 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.004 PUNCH CLR.
<u>ADD'L INFO</u>	DIE DIM'S SHOWN

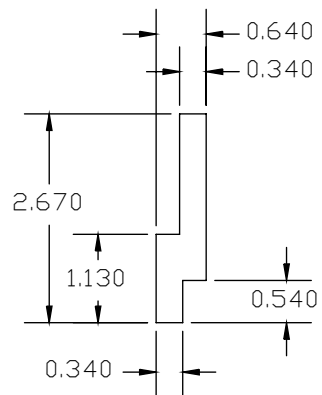


<u>TOOL NO.</u>	1336
<u>NAME</u>	503 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.010 PUNCH CLR.
<u>ADD'L INFO</u>	DIE DIM'S SHOWN

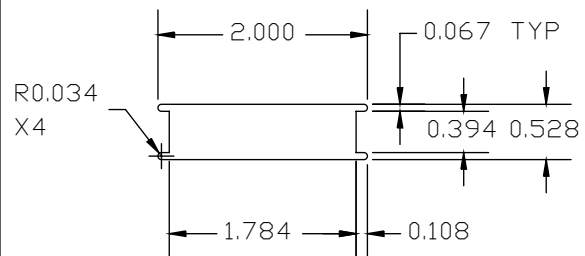


<u>TOOL NO.</u>	1315
<u>NAME</u>	7034 BLANKING
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.010 PUNCH CLR.
<u>ADD'L INFO</u>	DIE DIM'S SHOWN

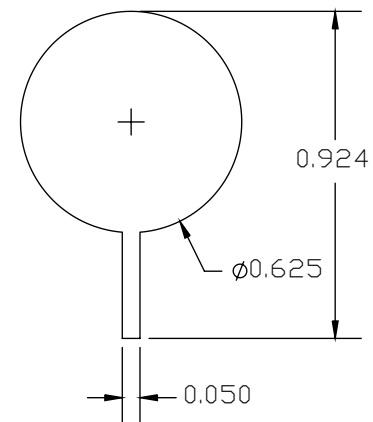




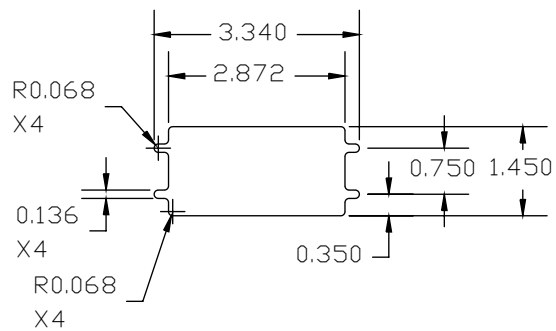
TOOL NO. 1037
NAME 3720 BLANKING
STATION 3.50
ANGLES 0 90 180 270
CLEARANCE .008
ADD'L INFO



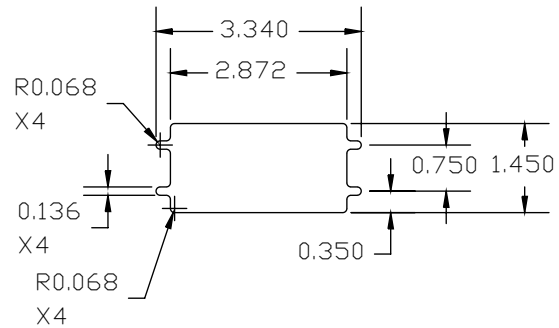
TOOL NO. 1063
NAME 3894 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE .006
ADD'L INFO



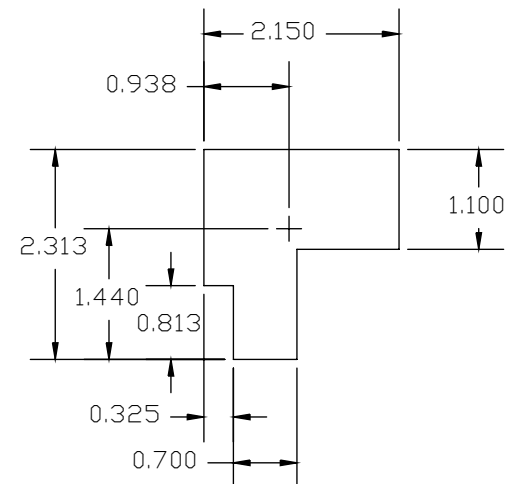
TOOL NO. 1087
NAME TOL2529
STATION 1.25
ANGLES 0 90
CLEARANCE .004
ADD'L INFO



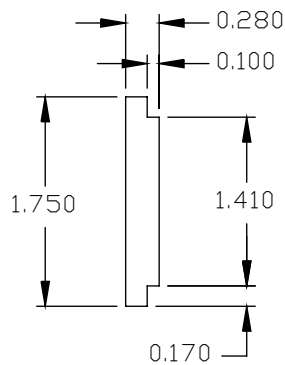
TOOL NO. 1065
NAME TOL3969
STATION 3.50
ANGLES 0 90
CLEARANCE .012
ADD'L INFO



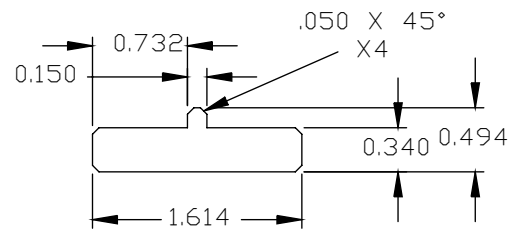
TOOL NO. 1066
NAME TOL3969
STATION 3.50
ANGLES 0 90
CLEARANCE .012
ADD'L INFO



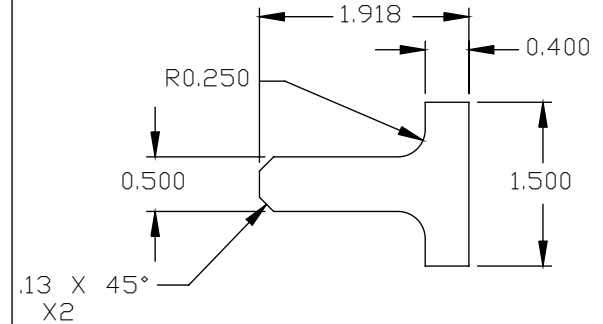
TOOL NO. 1113
NAME TOL4443
STATION 3.50
ANGLES 0 90
CLEARANCE .008
ADD'L INFO



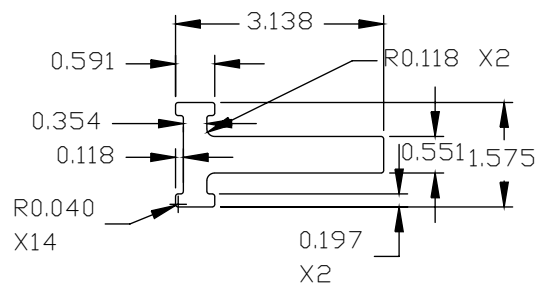
TOOL NO. 1033
NAME 3558 BLANKING
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



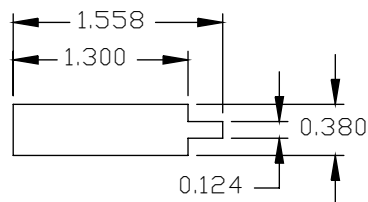
TOOL NO. 1038
NAME 3775 BLANKING
STATION 2.00
ANGLES 0 90 180 270
CLEARANCE .002 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



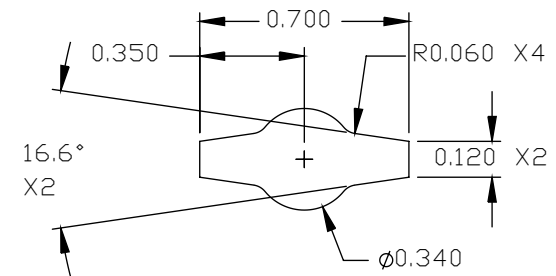
TOOL NO. 1041
NAME 3924 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE .004 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



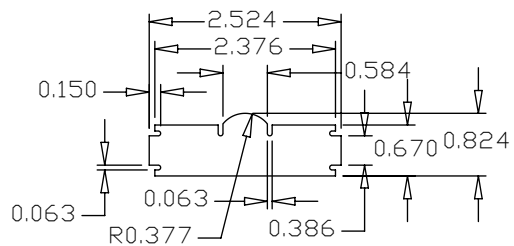
TOOL NO. 1070
NAME 4730 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



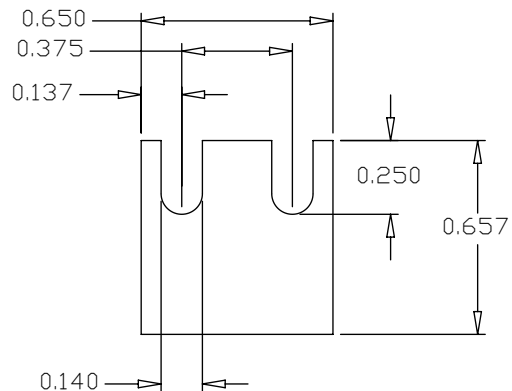
TOOL NO. 1073
NAME 4774 BLANKING
STATION 2.00
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



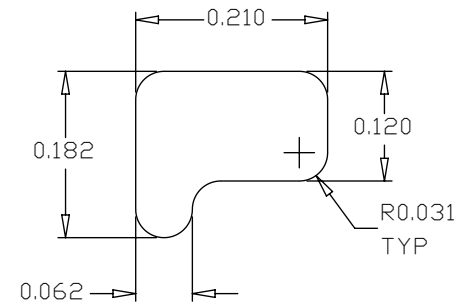
TOOL NO. 1097
NAME 4392 BLANKING
STATION 1.25
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



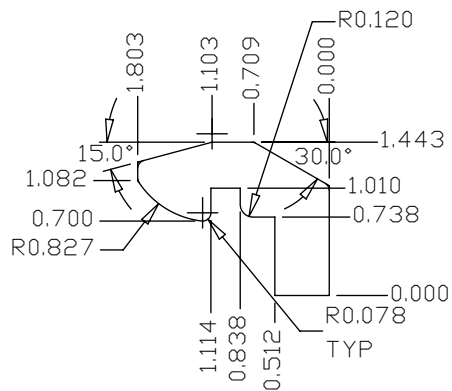
TOOL NO. 1108
NAME 2909 BLANKING
STATION 3.50
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



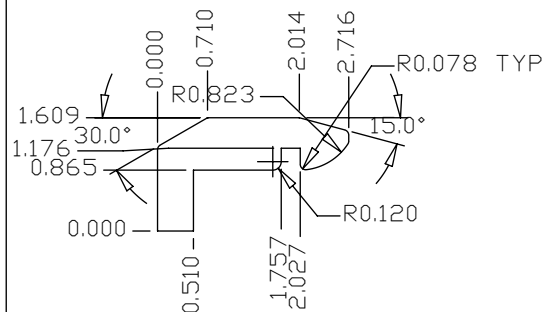
TOOL NO. 1110
NAME 1651 BLANKING
STATION 1.25
ANGLES 0 90
CLEARANCE .006 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



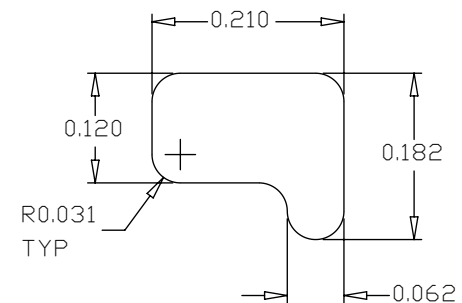
TOOL NO. 1155
NAME 5395 BLANKING
STATION 0.50
ANGLES 0 270
CLEARANCE .008
ADD'L INFO



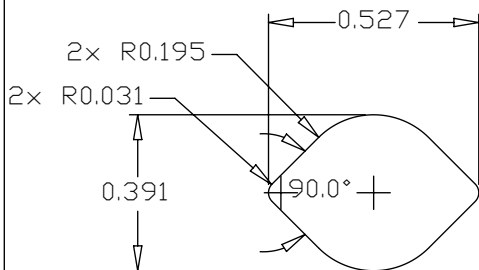
TOOL NO. 1088
NAME TOL 4024-1
STATION 3.50
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



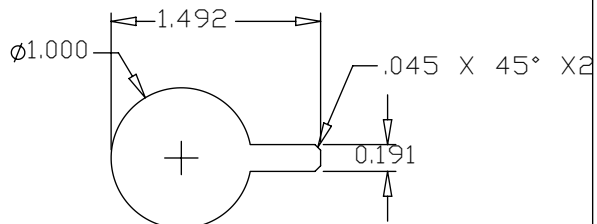
TOOL NO. 1092
NAME TOL 4025-1
STATION 3.50
ANGLES 0 90
CLEARANCE .008 PUNCH CLR.
ADD'L INFO DIE SIZE SHOWN



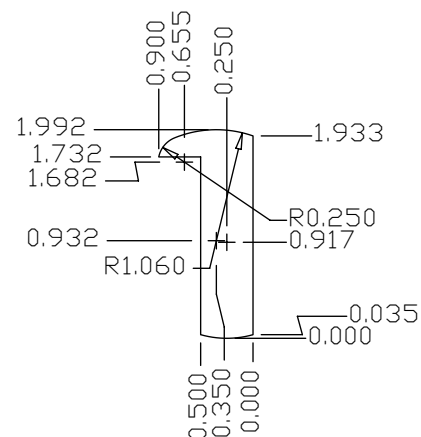
TOOL NO. 1156
NAME 5395 BLANKING
STATION 0.50
ANGLES 0 270
CLEARANCE .008
ADD'L INFO



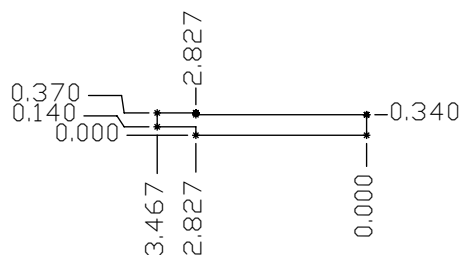
<u>TOOL NO.</u>	1165
<u>NAME</u>	5495 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.014
<u>ADD'L INFO</u>	



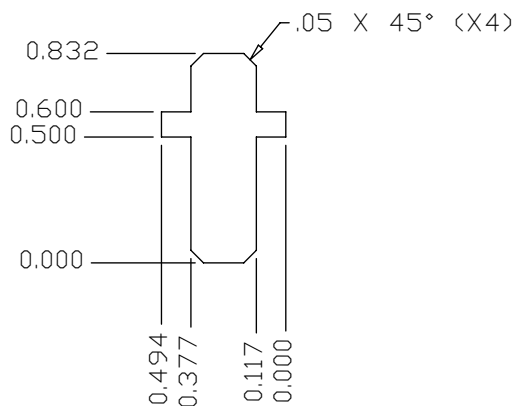
<u>TOOL NO.</u>	1173
<u>NAME</u>	5536 BLANKING
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.004 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



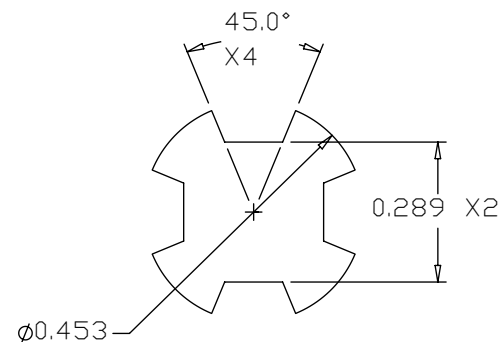
<u>TOOL NO.</u>	1181
<u>NAME</u>	5571 BLANKING
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.012 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



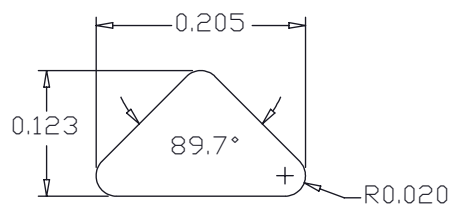
<u>TOOL NO.</u>	1140
<u>NAME</u>	5061 BLANKING
<u>STATION</u>	4.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.010 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



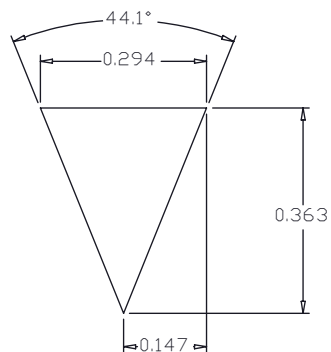
<u>TOOL NO.</u>	1098
<u>NAME</u>	3457 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.003 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



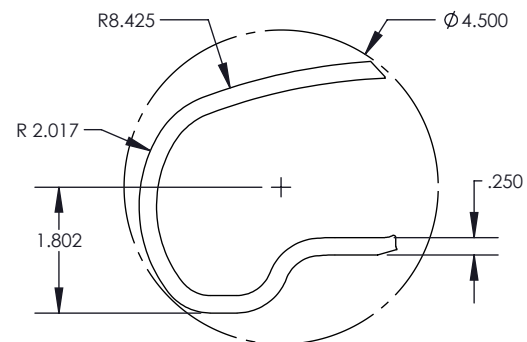
<u>TOOL NO.</u>	1144
<u>NAME</u>	5270 BLANKING
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.004 PUNCH CLR.
<u>ADD'L INFO</u>	DIE SIZE SHOWN



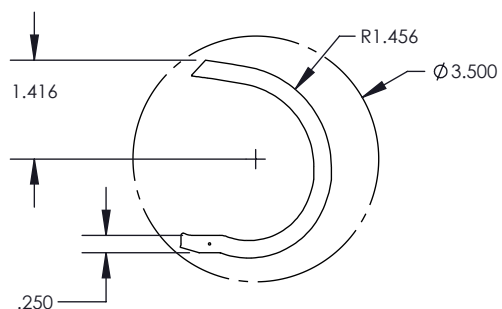
TOOL NO. 1277
NAME TRIANGLE .123 X .205
STATION .50
ANGLES 0 90
CLEARANCE .006
ADD'L INFO



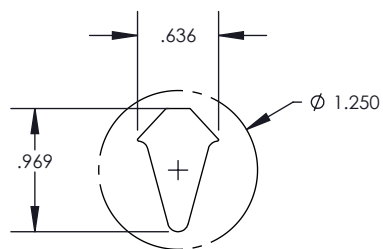
TOOL NO. 1290
NAME TRIANGLE .363 X .294
STATION .50
ANGLES 0 90
CLEARANCE .004
ADD'L INFO



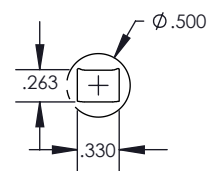
TOOL NO. 21511-L
NAME BLANKING PUNCH
STATION 4.500
ANGLES 90
CLEARANCE .004
ADD'L INFO (BIOREP)



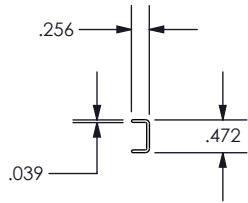
TOOL NO. 21511-R
NAME BLANKING PUNCH
STATION 3.500
ANGLES 0,90
CLEARANCE .004
ADD'L INFO (BIOREP)



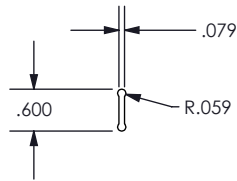
TOOL NO. 21511-T
NAME BLANKING PUNCH
STATION 1.250
ANGLES 0,90
CLEARANCE .004
ADD'L INFO (BIOREP)



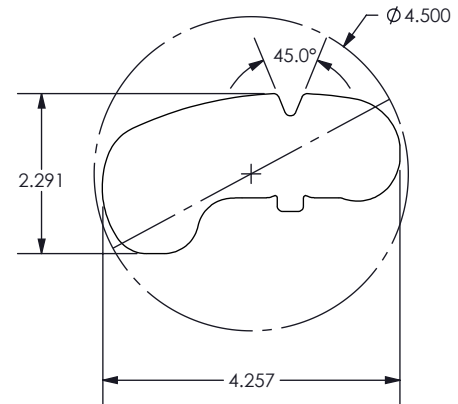
TOOL NO. 21511-B
NAME BLANKING PUNCH
STATION 1.250
ANGLES 0,90
CLEARANCE .004
ADD'L INFO (BIOREP)



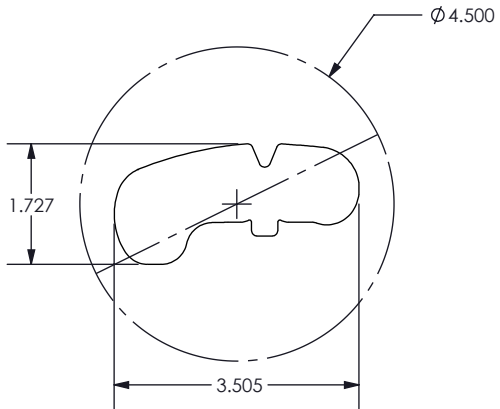
TOOL NO. 21062-1
NAME BLANKING .256 x .472
STATION 1.250
ANGLES 0 90
CLEARANCE .006
ADD'L INFO ALSO USED IN 21062
 AND 21511.



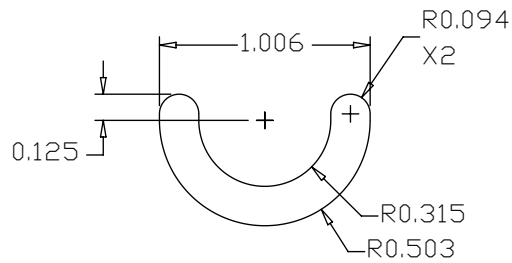
TOOL NO. 21062-2
NAME BLANKING .363 X .294
STATION 1.250
ANGLES 0 90
CLEARANCE .006
ADD'L INFO ALSO USED IN 21062
 AND 21511.



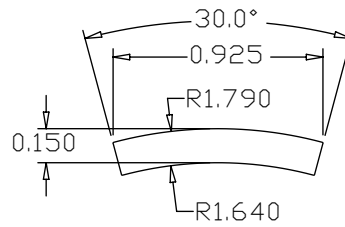
TOOL NO. 21062-3
NAME BLANKING 2.291 X 4.257
STATION 4.500
ANGLES 0
CLEARANCE .006
ADD'L INFO



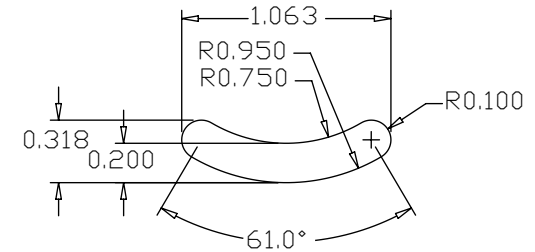
TOOL NO. 21062-3
NAME BLANKING 2.291 X 4.257
STATION 4.500
ANGLES 0
CLEARANCE .004
ADD'L INFO



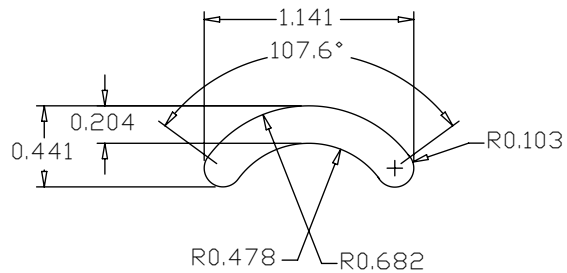
<u>TOOL NO.</u>	1077
<u>NAME</u>	TOL4273
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.006
<u>ADD'L INFO</u>	



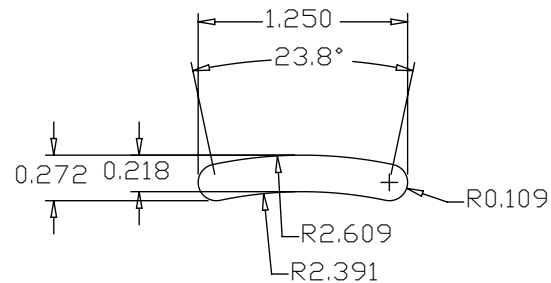
<u>TOOL NO.</u>	1160
<u>NAME</u>	5294 BLANKING
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



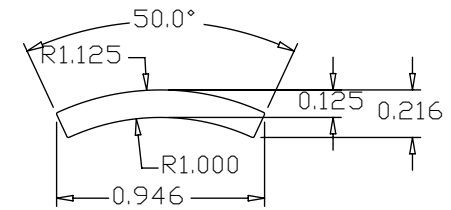
<u>TOOL NO.</u>	1194
<u>NAME</u>	BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



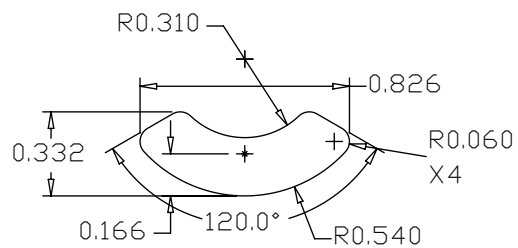
<u>TOOL NO.</u>	1198
<u>NAME</u>	4208 BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.012
<u>ADD'L INFO</u>	



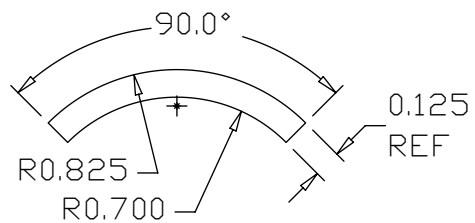
<u>TOOL NO.</u>	1071
<u>NAME</u>	2725 BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



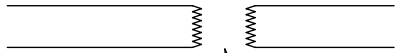
<u>TOOL NO.</u>	1243
<u>NAME</u>	BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



<u>TOOL NO.</u>	1319
<u>NAME</u>	EQUINOX BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	0.008
<u>ADD'L INFO</u>	



<u>TOOL NO.</u>	1372
<u>NAME</u>	.700 RAD BANANA
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	0.004
<u>ADD'L INFO</u>	

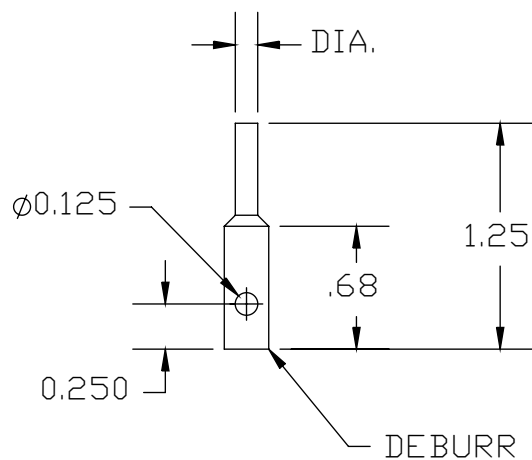
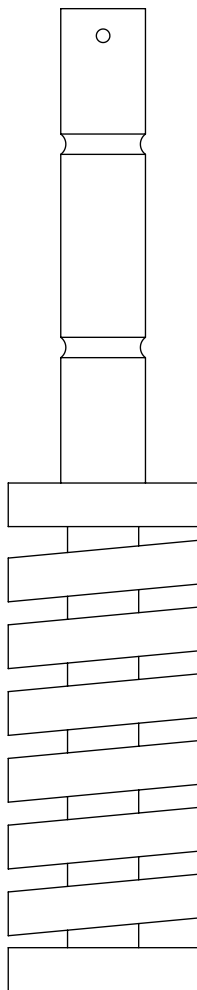


TAP 10-32
DESIGNED TO
PUNCH 12 GA.
MILD STEEL.

<u>TOOL NO.</u>	1180
<u>NAME</u>	10-32 TAPPING
<u>STATION</u>	2.00/1.25
<u>ANGLES</u>	N/A
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	Ø.177 PRE-HOLE 1.25 STATION FOR LUBE RESERV.

ROUND INSERT PUNCH

SPECIAL TOOL # 1300



INSERT CHIP

NOTES: USE STRIPPER FROM SIMILAR-SIZE
ROUND PUNCH.

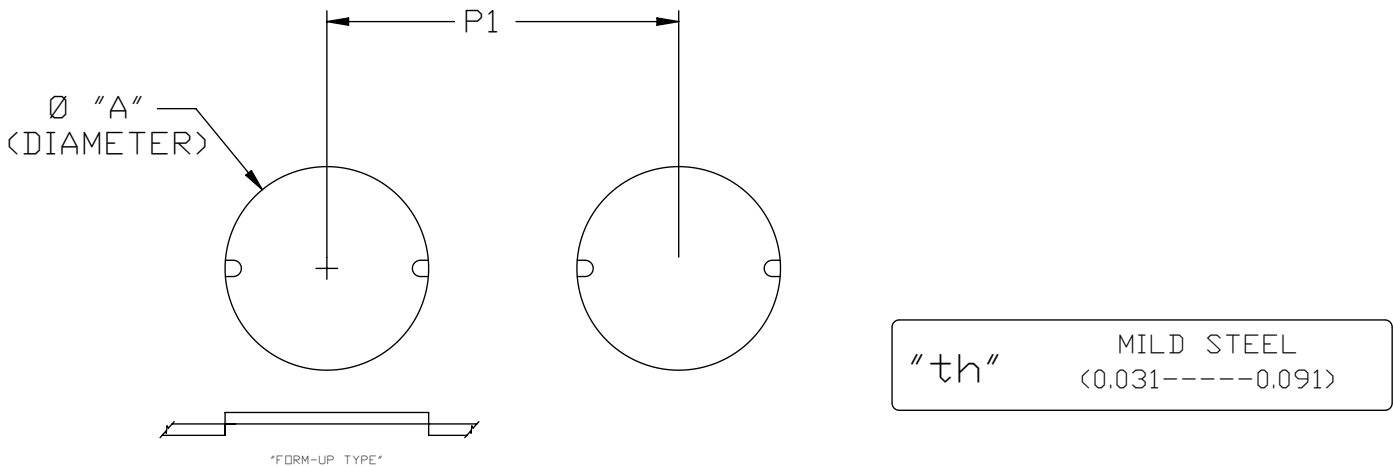
SECURE WITH SET SCREW.

INSERT CHIP DIAMETERS

$\phi 0.106$
$\phi 0.103$
$\phi 0.051$

NOTES:

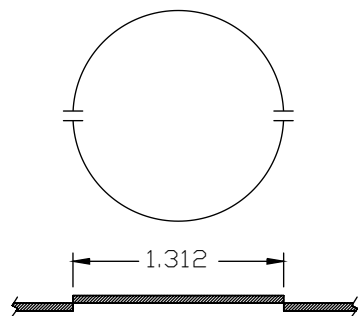
ALL ELECTRICAL KNOCKOUTS ARE FORM-UP.



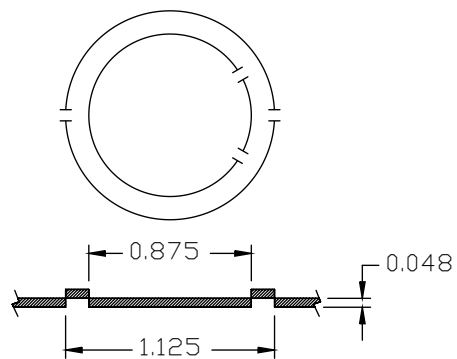
TOOL #	A	P1	STA.	REMARKS
1022	0.500	1.88	1.25	
1026	0.875	1.10	1.25	
~~1032~~	~~2.500~~	~~4.38~~	~~3.50~~	NO AVAILABLE
~~1069~~	~~1.312~~	~~1.88~~	~~2.00~~	NO AVAILABLE
~~1103~~	~~3.000~~	~~5.25~~	~~4.50~~	NO AVAILABLE
1137	1.312	1.88	2.00	SEE NOTE 1
1135	1.125	1.88	2.00	
1379	1.734	1.88	2.00	

NOTES:

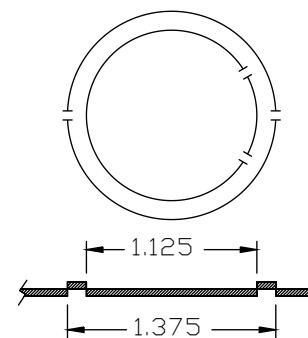
1. USE TOOL 1137 FOR THIN GAUGE STAINLESS STEEL
USE TOOL 1069 FOR ALL OTHER MATERIALS



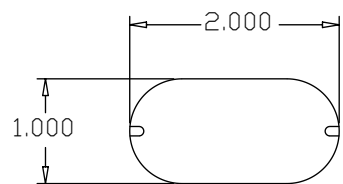
<u>TOOL NO.</u>	1137
<u>NAME</u>	1.312 EKO
<u>STATION</u>	2.00
<u>ANGLES</u>	0
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	



<u>TOOL NO.</u>	1286
<u>NAME</u>	.875 & 1.125 DBL EKO
<u>STATION</u>	1.25
<u>ANGLES</u>	0
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	0.048 MAT.



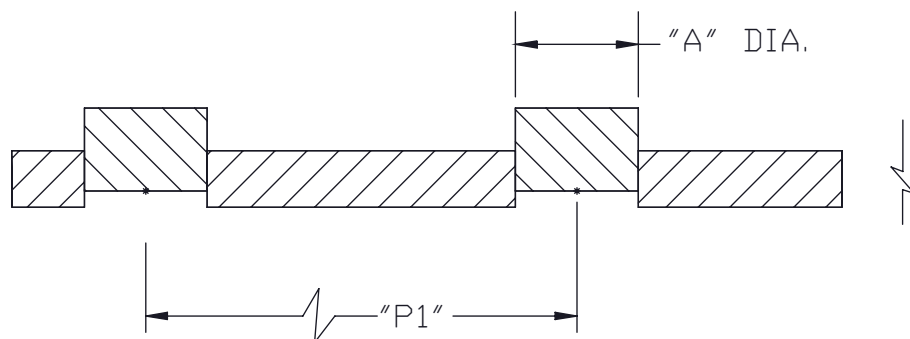
<u>TOOL NO.</u>	1317
<u>NAME</u>	1.125 & 1.375 DBL EKO
<u>STATION</u>	2.00
<u>ANGLES</u>	0
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	0.048 MAT.



<u>TOOL NO.</u>	1035
<u>NAME</u>	2.0 × 1.0
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	ELECT. KNOCKOUT

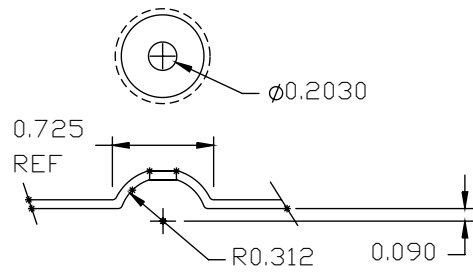
NOTES:

-ALL HALF SHEAR FORM-UP
(UNLESS OTHERWISE NOTED)



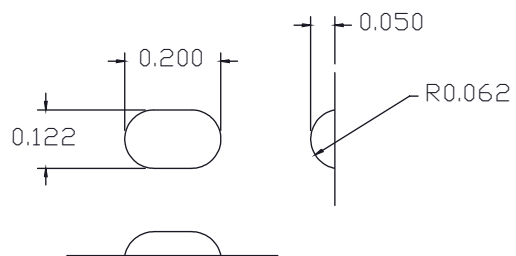
TOOL #	"A" DIA.	STATION	"P1"	
~~1072~~	~~.125~~	~~0.50 [*]~~	~~1.000~~	NO AVAILABLE
1112	0.160	2.0	0.810	
1163	0.199	1.25	0.560	
~~1266~~	~~0.125~~	~~1.25~~	~~0.300~~	NO AVAILABLE
~~1355~~	~~0.270~~	~~1.25~~	~~0.300~~	NO AVAILABLE
~~1356~~	~~0.240~~	~~1.25~~	~~0.300~~	NO AVAILABLE
~~1367~~	~~.312~~	~~1.25~~	~~0.560~~	NO AVAILABLE
~~1375~~	~~0.116~~	~~1.25~~	~~0.300~~	NO AVAILABLE
15286	0.075	0.50 [*]	0.400	

(*) FORM DOWN

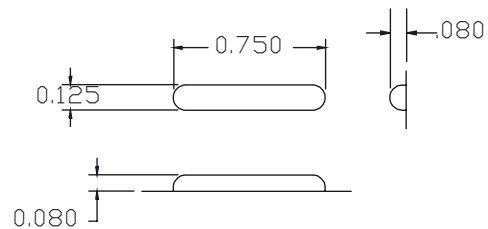


NO AVAILABLE

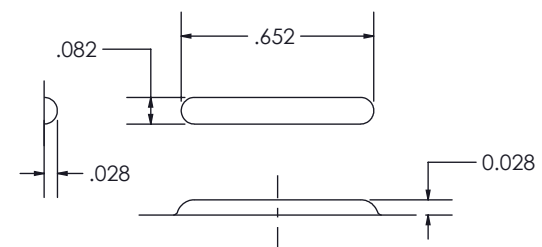
<u>TOOL NO.</u>	1107
<u>NAME</u>	2396 DIMPLE
<u>STATION</u>	1.25
<u>ANGLES</u>	0
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	



TOOL NO. 1002
NAME .200 LONG RIB
STATION 1.25
ANGLES 0 90
CLEARANCE N/A
ADD'L INFO MAT=.063 MAX



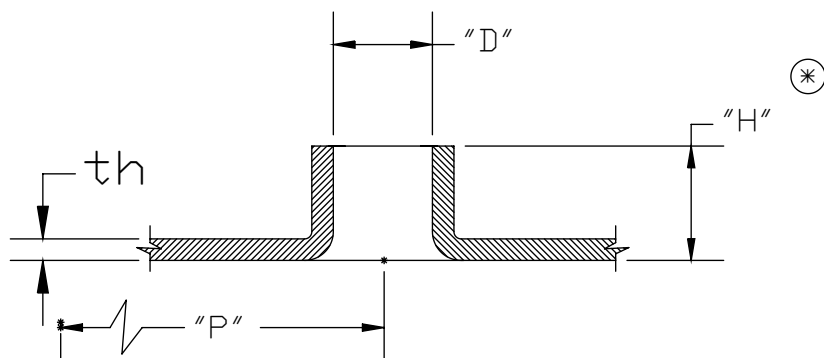
TOOL NO. 1003
NAME .750 LONG RIB
STATION 1.25
ANGLES 0 90
CLEARANCE N/A
ADD'L INFO MAT=.063 MAX



TOOL NO. 15571
NAME .652 RIB
STATION 1.25
ANGLES 0 90
CLEARANCE N/A
ADD'L INFO MAT=.015 MAX

NOTES:

-ALL EXTRUSIONS FORM-UP
(UNLESS OTHERWISE NOTED)



TOOL # 1216
C'SINK EXTRUSION
SEE PAGE 14.1

(*) "H" DIMENSION DEPENDS ON PRE-PUNCHED HOLE
AND MATERIAL THICKNESS.

TOOL #	"D"	STATION
1151	0.089	1.25
1004	0.093	1.25
1130	0.100	1.25
~~1007~~	~~0.106~~	~~2.00~~
~~1008~~	~~0.120~~	~~2.00~~
~~1167~~	~~0.147~~	~~2.00~~
1012	0.147	1.25
~~1013~~	~~0.160~~	~~2.00~~
1014	0.173	2.00
1001	0.129	2.00
1178	.0070	1.25
1182	0.125	1.25
1201	0.073	1.25
1377	0.169	1.25
~~1200~~	~~0.093~~	~~2.00 (*)~~
~~1206~~	~~0.089~~	~~1.25 (*)~~
~~1289~~	~~0.107~~	~~1.25 (*)~~
~~1378~~	~~0.100~~	~~1.25 (*)~~

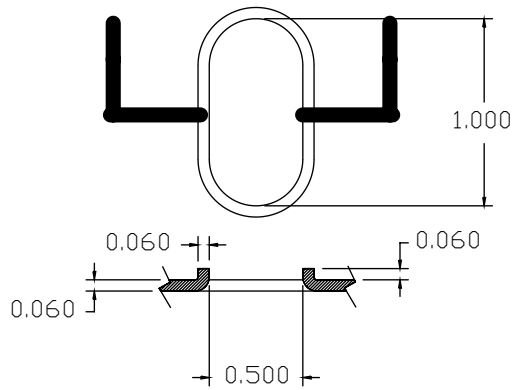
$$H \geq th \times 2$$

$$H \leq D \times 0.4$$

	STATION			
	1.25	2.0	3.50	4.50
D _{max.}	0.271 TO 0.571	1.181	2.362	3.346
H _{max.}	0.157	0.197		
P _{min.}	0.197 X "D"			
"th"	MILD STEEL (0.031-----0.091)			

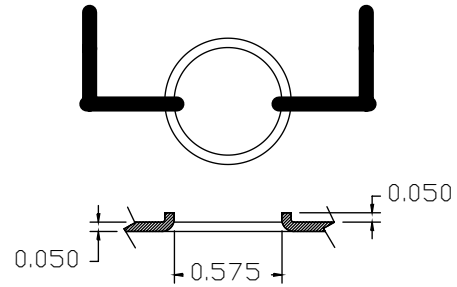
~~NO AVAILABLE~~

(*) FORM DOWN
CLEAR BOTTOM DIE WHEN PROGRAMMING



NO AVAILABLE

TOOL NO. 1307
NAME .50 x 1.00 DBR. EXT.
STATION 2.00
ANGLES 0 90
CLEARANCE N/A
ADD'L INFO MAT=.060



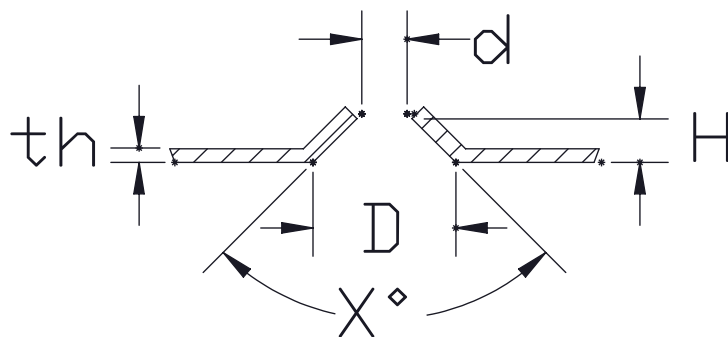
NO AVAILABLE

TOOL NO. 1308
NAME .575 ROUND EXT.
STATION 1.25
ANGLES N/A
CLEARANCE N/A
ADD'L INFO MAT=.050

-ALL ROUND EMBOSSING FORM-UP
(UNLESS OTHERWISE NOTED)

	STATION			
	1.25	2.0	3.50	4.50
D max.	0.571	1.181	2.362	3.341
30° $\frac{H}{S}$ max	0.157			
45° $\frac{H}{S}$ max	0.157 max.	0.256 max.		
P min.	0.197 X "D"			
"th"	MILD STEEL (0.031-----0.091)			

STYLE-A-
Achievable with any
of tools listed

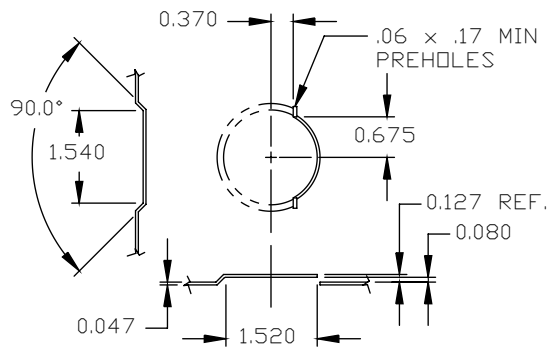


STYLE-B-
Use only tools where
value- X° -is given

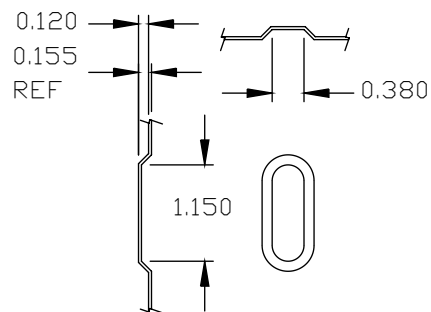
TOOL #	th	"d" X "D" X "H"	STA.	X°*
1085	.089	1.00 X 1.60 X .211	2.00	110°
1095	.089	.375 X .570 X .100	1.25	90°
1109	.047	.500 X .625 X .063	1.25	90°
1126	.035	.660 X .920 X .132	2.00	90°
1141	.080	1.28 X .290 X .093	2.00	82°
1150	.063	.450 X .880 X .200	2.00	90°
1161	.063	.320 X .700 X .190	2.00	90°
1162	.060	.320 X .570 X .190	1.25	66°
1171	.080	.500 X 1.230 X .330	2.00	90°
1176	.047	1.500 X 1.760 X .130	3.50	90°
1192	.011	.250 X .400 X .060	1.25	100°
1195	.035	.395 X .527 X .091	1.25	90°
1202	.063	.850 X 1.290 X .205	2.00	90°
1217	.075	.230 X .530 X .175	2.00	82°
1220	.047	1.120 X --- X .250	2.00	---
1221	.047	.966 X --- X .063	2.00	---
1223	.063	.320 X .620 X .150	2.00	90°
1233	.063	.625 X --- X .156	2.00	---
1242		.280 X --- X .100	1.25	
1251	---	.625 X 1.082 X .203	2.00	82°
1275	.040	.960 X 1.080 X .120	2.00	90°
1282		.220 X .350 X .105	2.00	

[illegible]

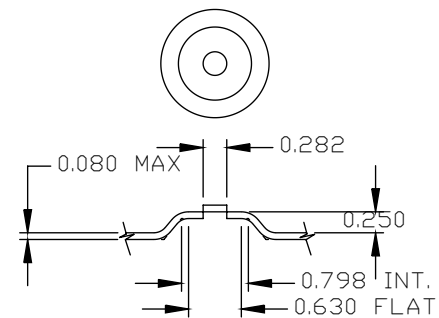
_____ NO AVAILABLE



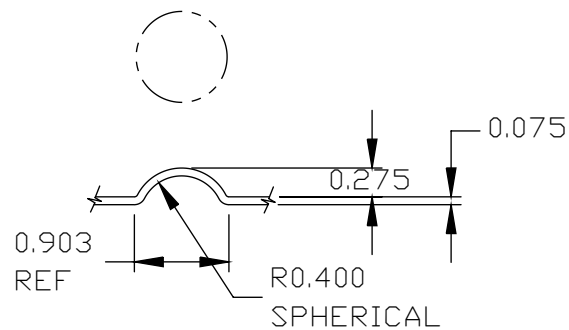
<u>TOOL NO.</u>	1177
<u>NAME</u>	LOUVERED EMBOSS
<u>STATION</u>	3.50
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	.047 MAT. MAX



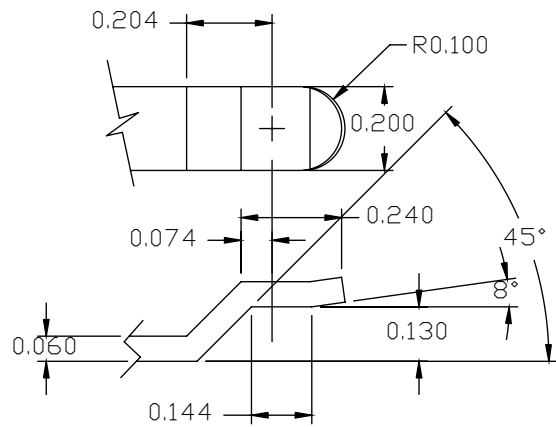
<u>TOOL NO.</u>	1288
<u>NAME</u>	ROUND EMBOSS
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	.036 MAT. MAX



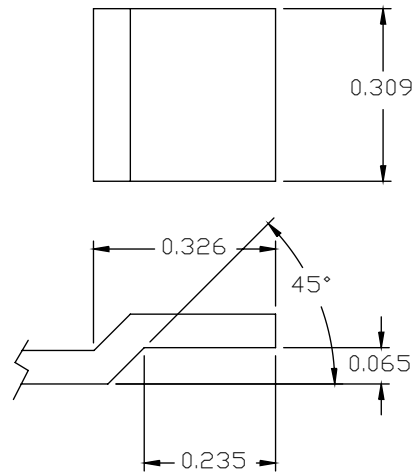
<u>TOOL NO.</u>	1350
<u>NAME</u>	HALF-SHEAR EMBOSS
<u>STATION</u>	2.00
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	.080 MAT. MAX



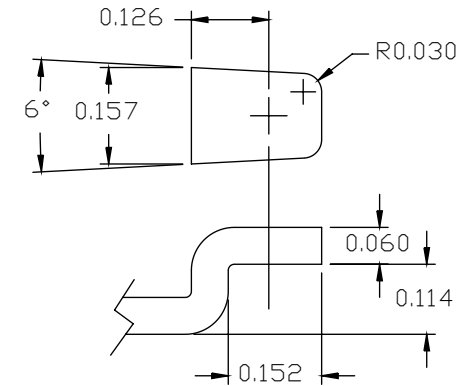
<u>TOOL NO.</u>	1374
<u>NAME</u>	BALL EMBOSS
<u>STATION</u>	2.00
<u>ANGLES</u>	N/A
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	



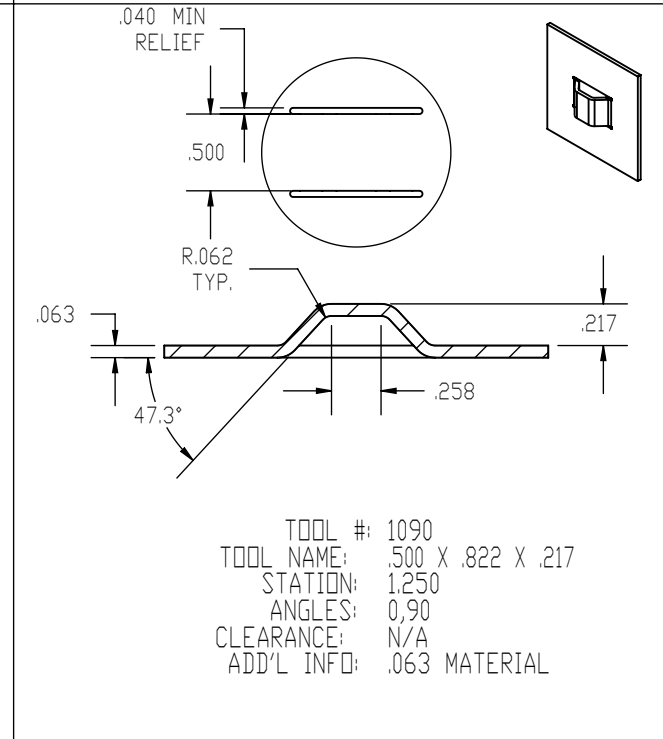
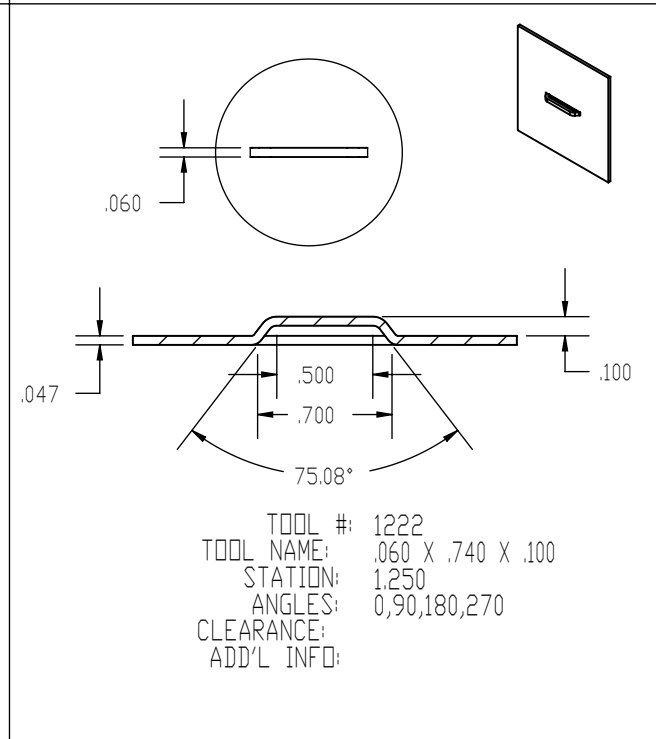
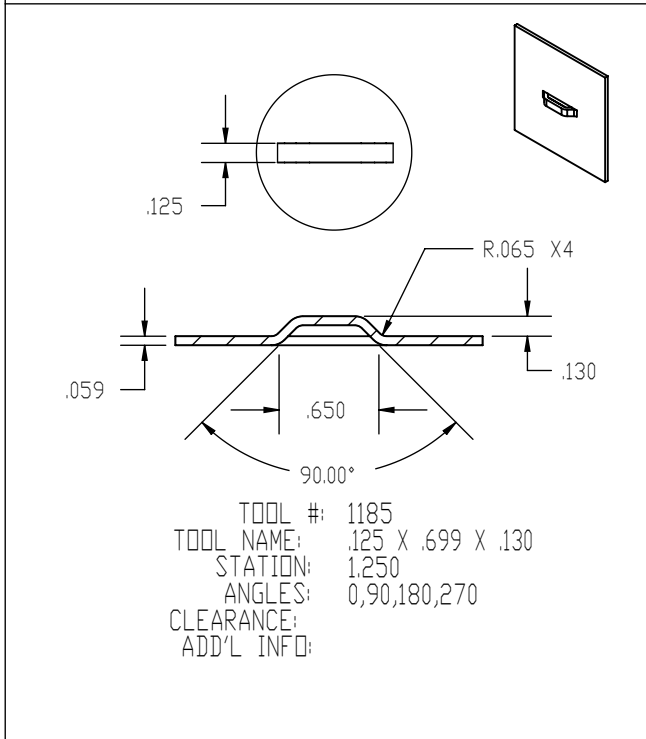
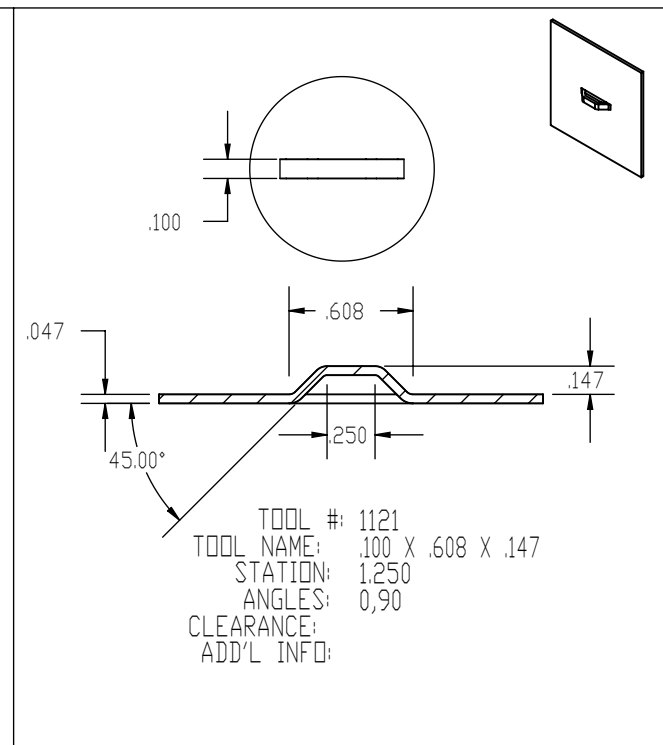
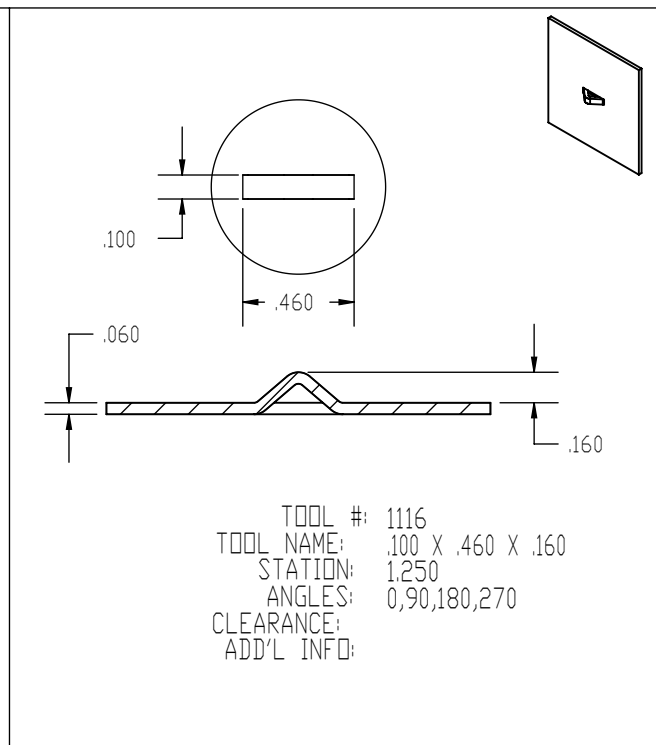
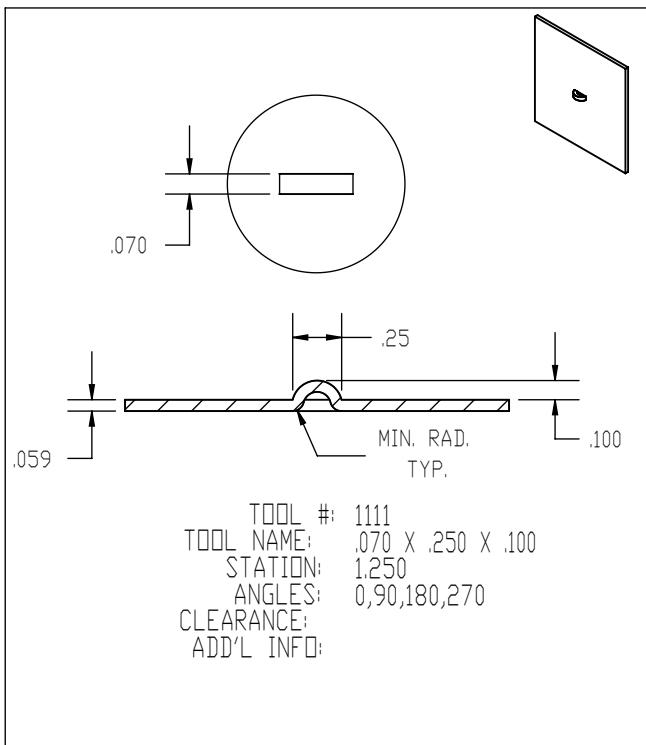
<u>TOOL NO.</u>	1184
<u>NAME</u>	5611 SHOVEL LANCE
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	

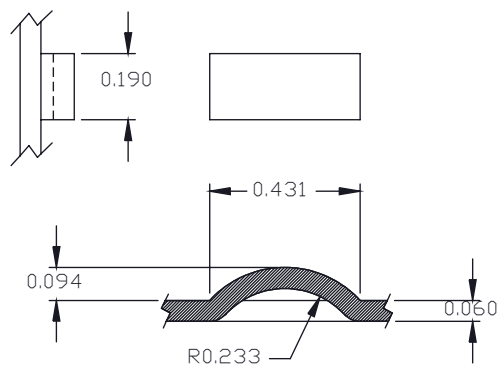


<u>TOOL NO.</u>	1271
<u>NAME</u>	SHOVEL LANCE
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	

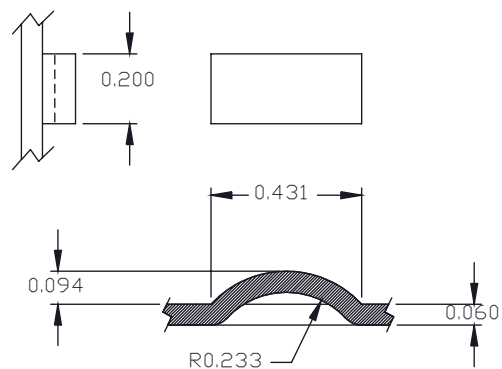


<u>TOOL NO.</u>	1324
<u>NAME</u>	SHOVEL LANCE
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90 180 270
<u>CLEARANCE</u>	N/A
<u>ADD'L INFO</u>	

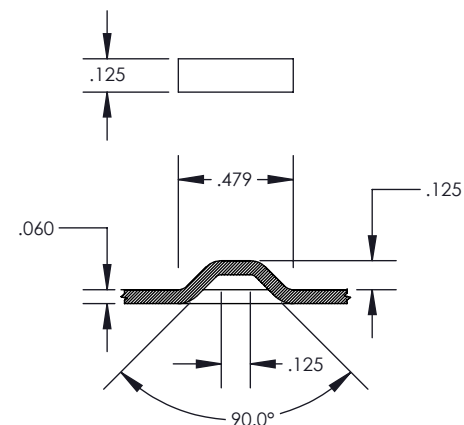




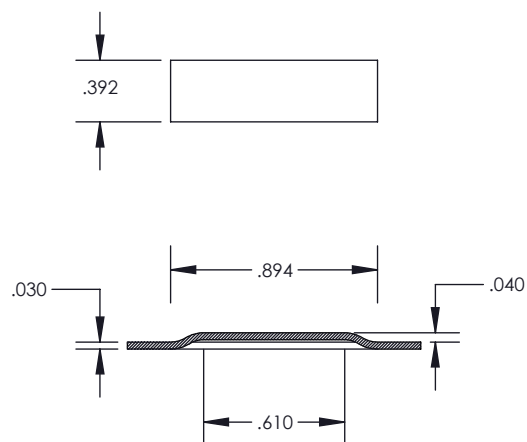
TOOL NO. 1338
NAME BRIDGE LANCE
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO



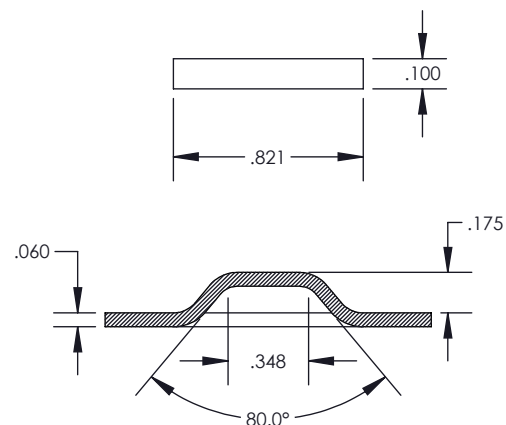
TOOL NO. 1369
NAME BRIDGE LANCE
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO



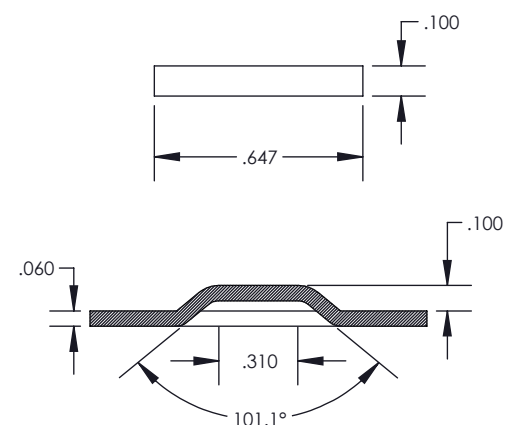
TOOL NO. 1144
NAME BRIDGE LANCE
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO



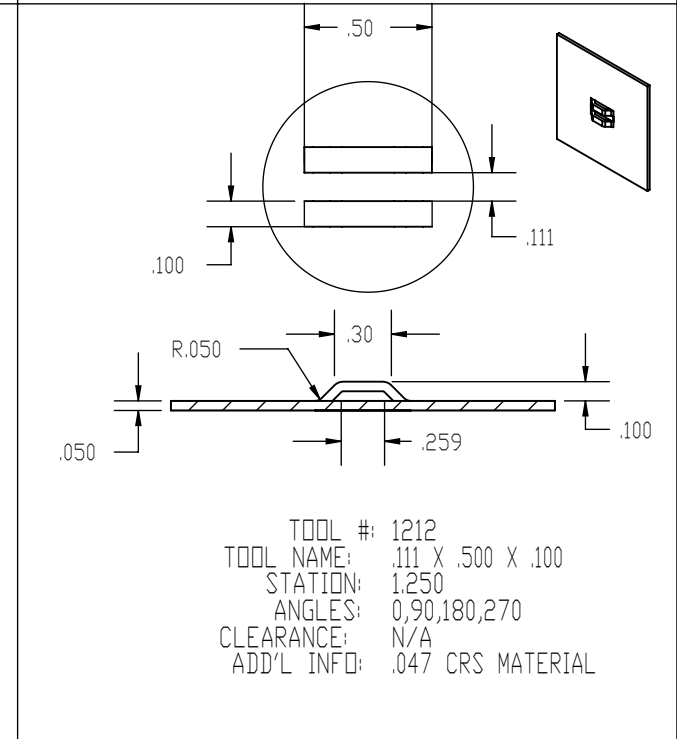
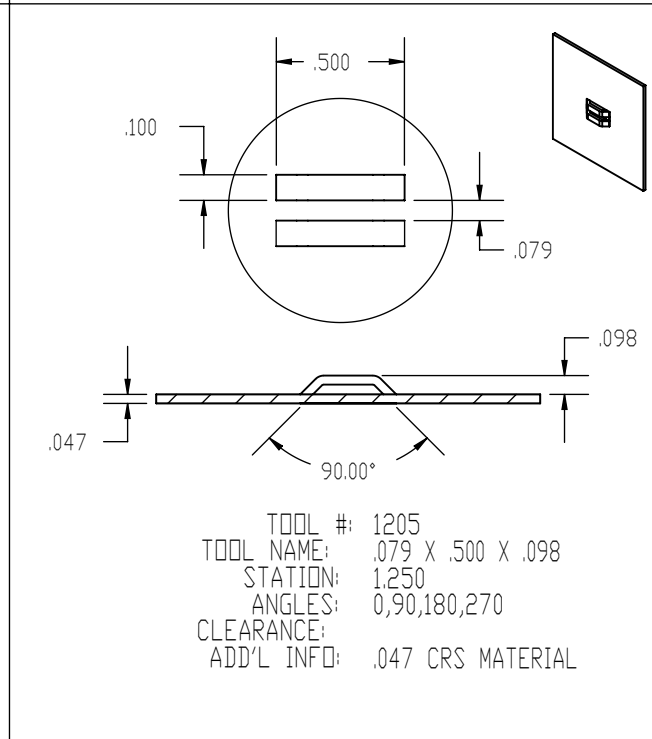
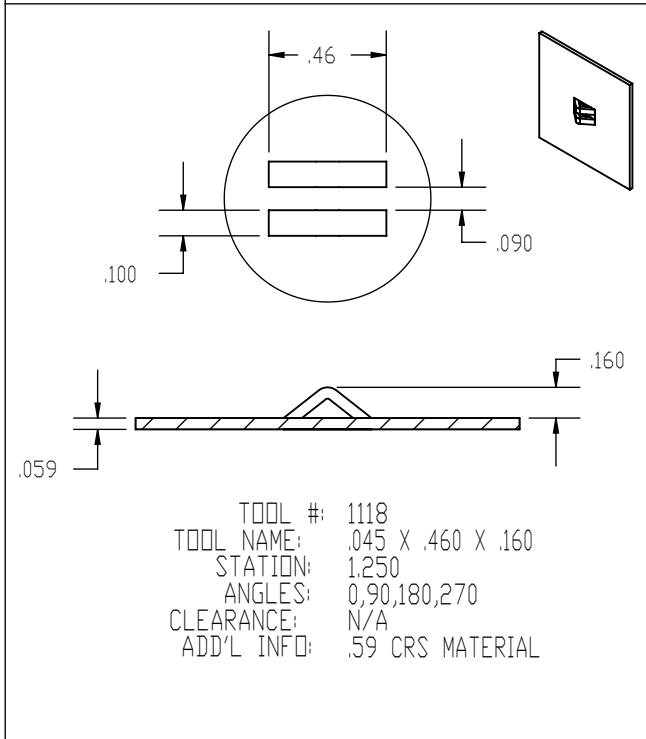
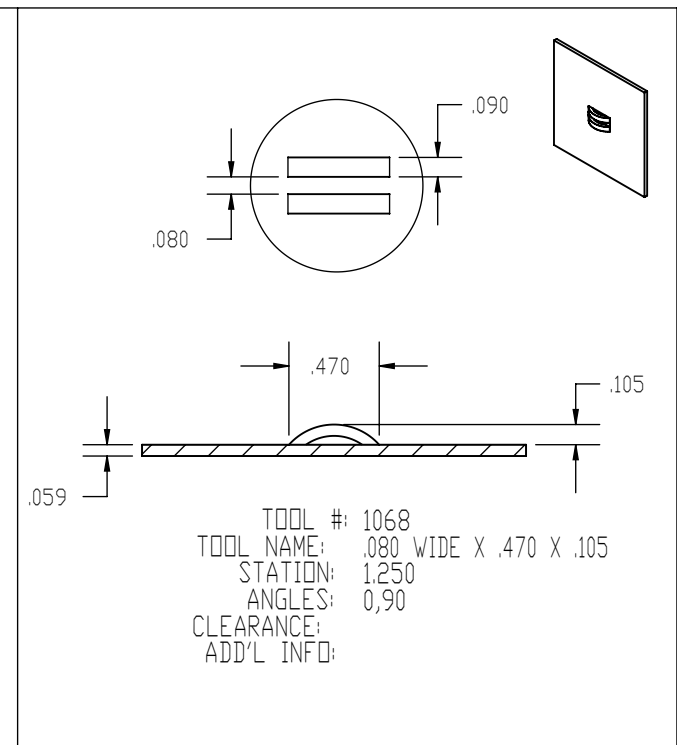
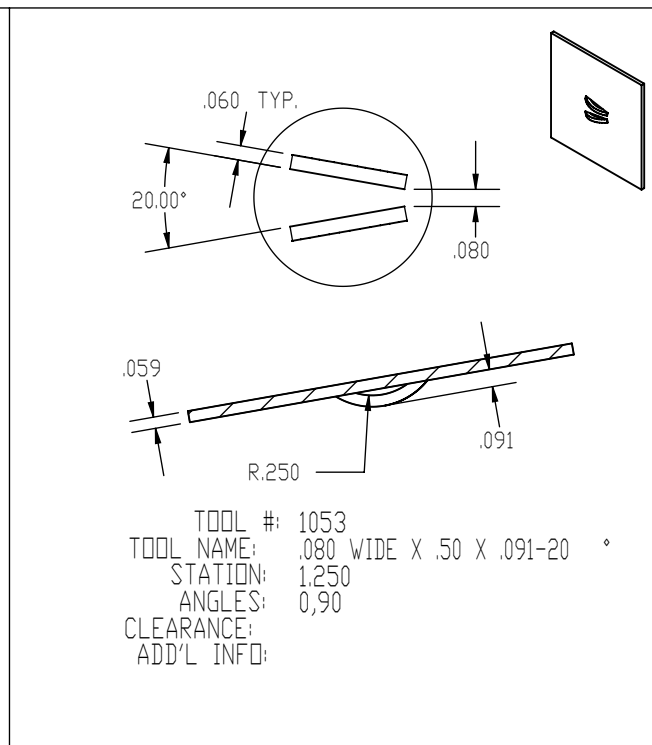
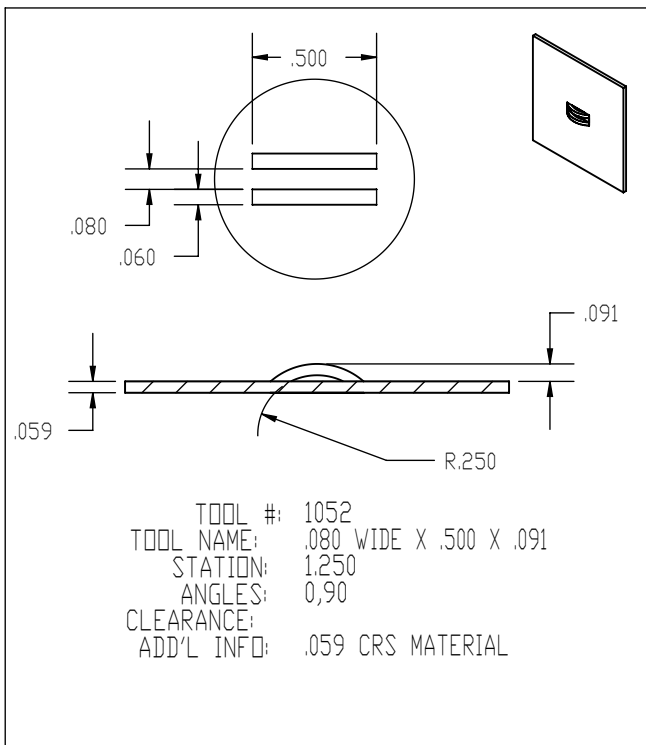
TOOL NO. 16411
NAME .394 X .894 X .040
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO

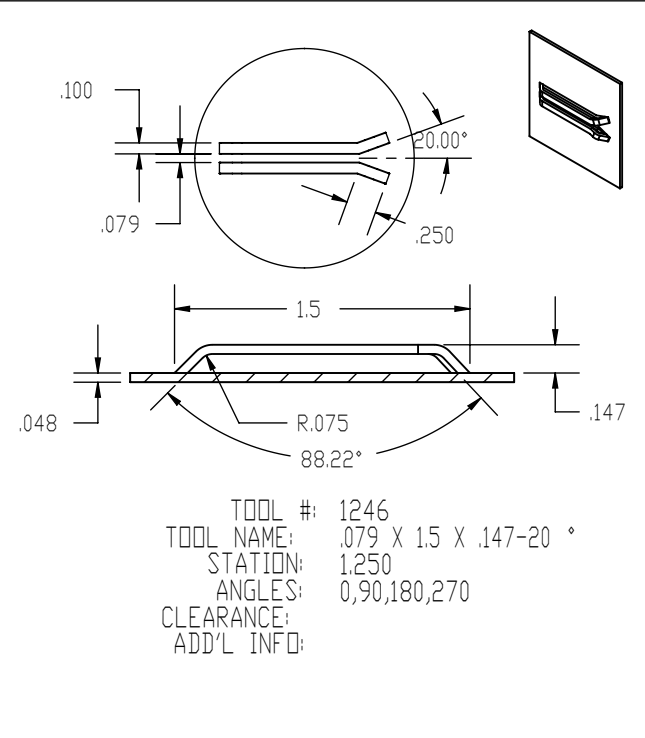
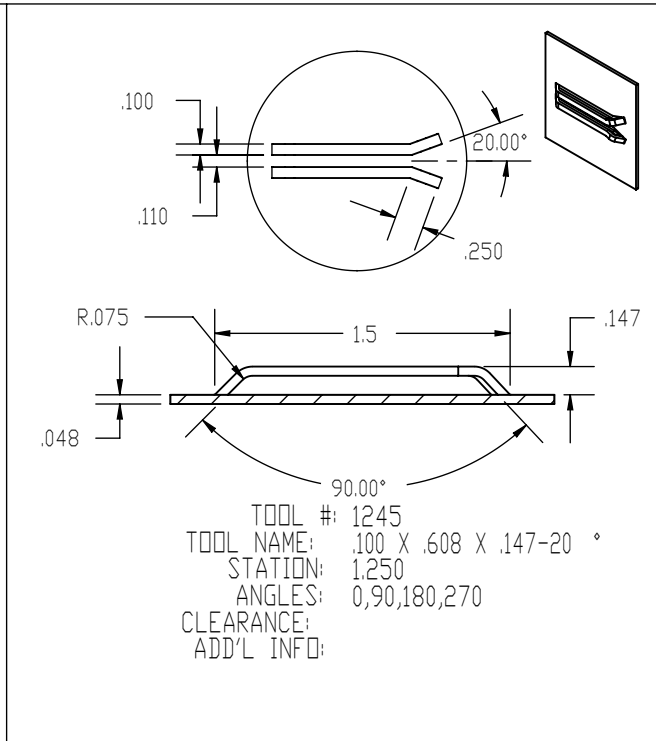
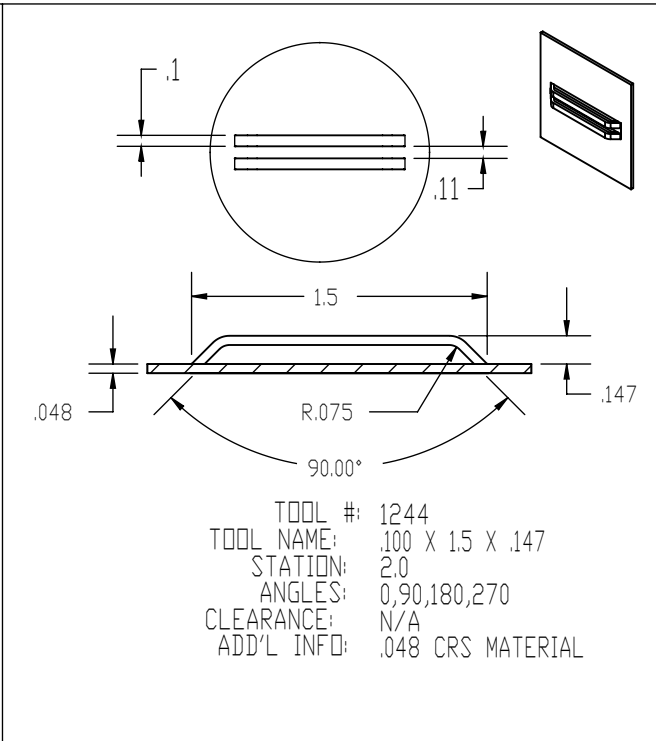
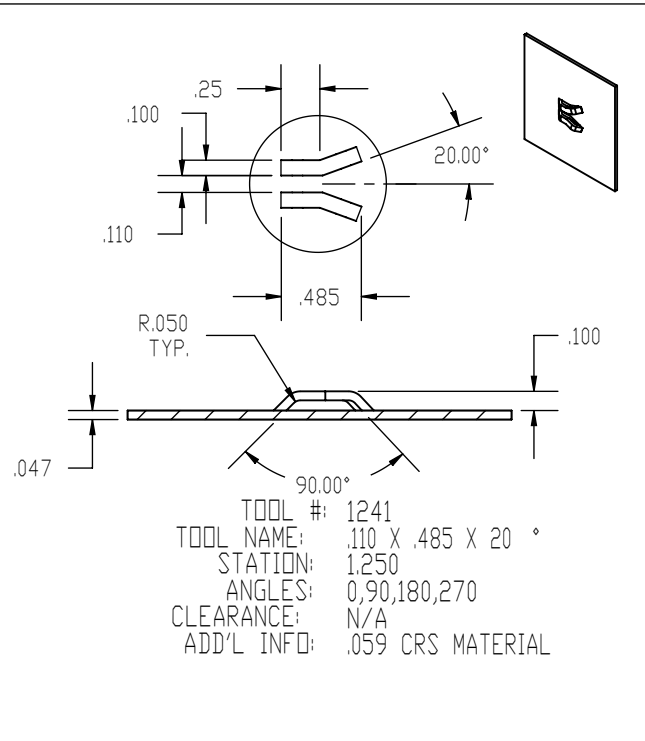


TOOL NO. 18617
NAME .100 X .821 X .175
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO



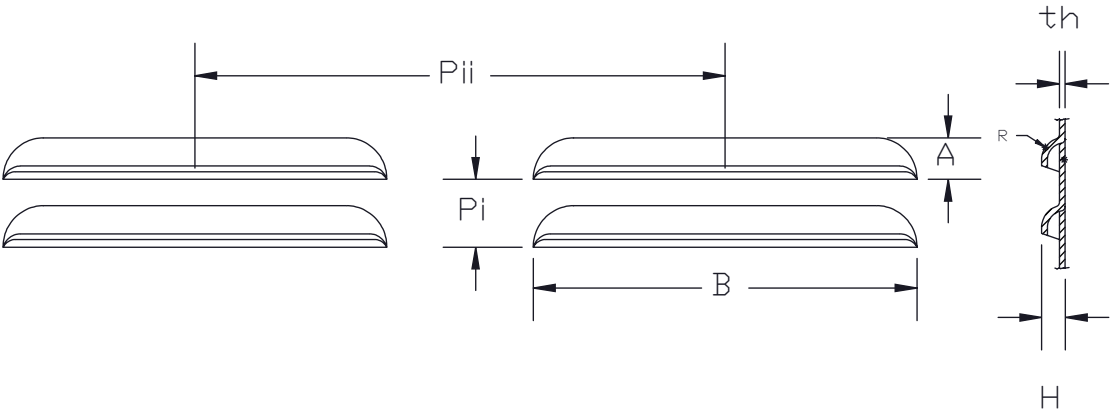
TOOL NO. 22233
NAME .100 X .647 X .100
STATION 1.25
ANGLES 0,90
CLEARANCE N/A
ADD'L INFO





NOTES:

ALL LOUVERS FORM-UP



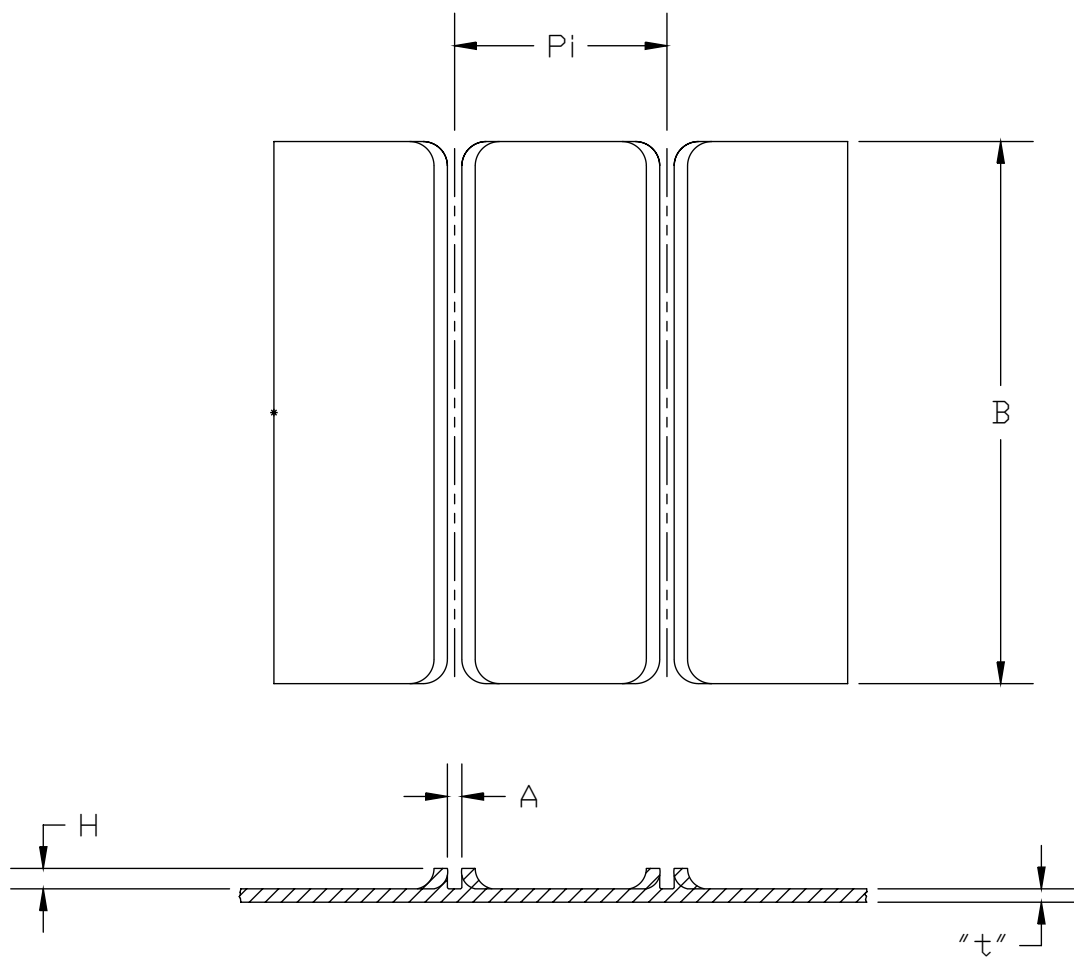
$H \leq A \times 0.6$
 $A \geq th \times 0.3$
 $R \geq H$

TOOL #	A	B	H	Pi	Pii	STA.
1057	0.214	3.250	0.165	0.425	3.625	3.50
1186	0.460	4.125	0.313	0.690	5.125	4.50
1337	0.750	3.000	0.245 + MAT.	1.500	3.750	3.50
1371	0.394	2.362	0.177 + MAT.	1.142	3.012	3.50
13417	0.200	2.060	0.140 + MAT.	0.675	2.581	3.50
23323	0.500	4.000	0.250 + MAT.	0.825	5.063	4.50

	STATION			
	1.25	2.00	3.50	4.50
A _{max.}	0.315	0.600	0.984	1.181
B _{max.}	0.600	1.575	3.346	4.133
H _{max.}	0.157 max.		0.256 max.	
Pi _{min.}	0.197			
Pii _{min.}	0.315			
"th"	MILD STEEL (0.031-----0.091)			

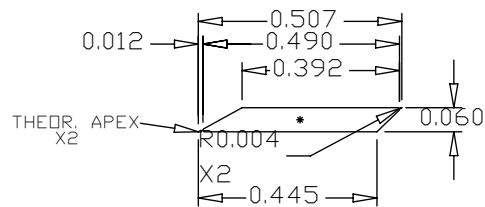
NOTES:

ALL CARD GUIDES FORM-UP.



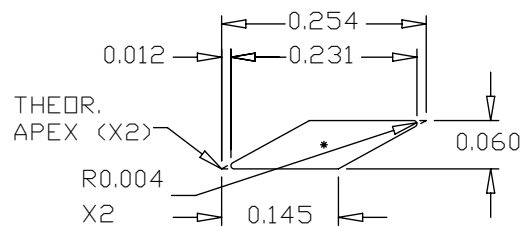
TOOL #	A	B	H	H	STA.
1153	0.070	1.000	0.100	0.047	2.00
1191	0.074	1.500	0.140	0.047	2.00
1154	0.070	2.000	0.100	0.047	3.50
1148	0.075	2.250	0.100	0.047	3.50
1149	0.100	2.250	0.160	0.047	3.50
1190	0.074	3.000	0.140	0.047	3.50
1196	0.100	2.250	0.100	0.059	3.50
1219	0.074	3.000	0.140	0.059	3.50

	STATION		
	2.0	3.50	4.50
$B_{max.}$	1.575	3.150	3.937
$H_{max.}$	0.197		
$A_{min.}$	0.059		
$"th"$	MILD STEEL (0.031-----0.091)		



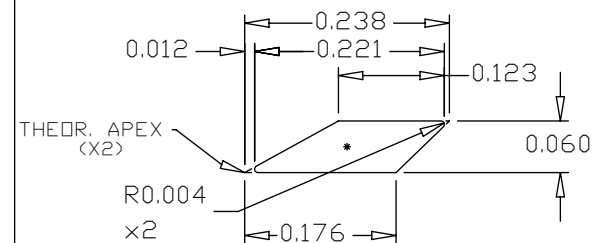
NO AVAILABLE

<u>TOOL NO.</u>	1283
<u>NAME</u>	TRAPEZOID
<u>STATION</u>	1.25
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	



NO AVAILABLE

<u>TOOL NO.</u>	1285
<u>NAME</u>	PARALLELOGRAM
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	

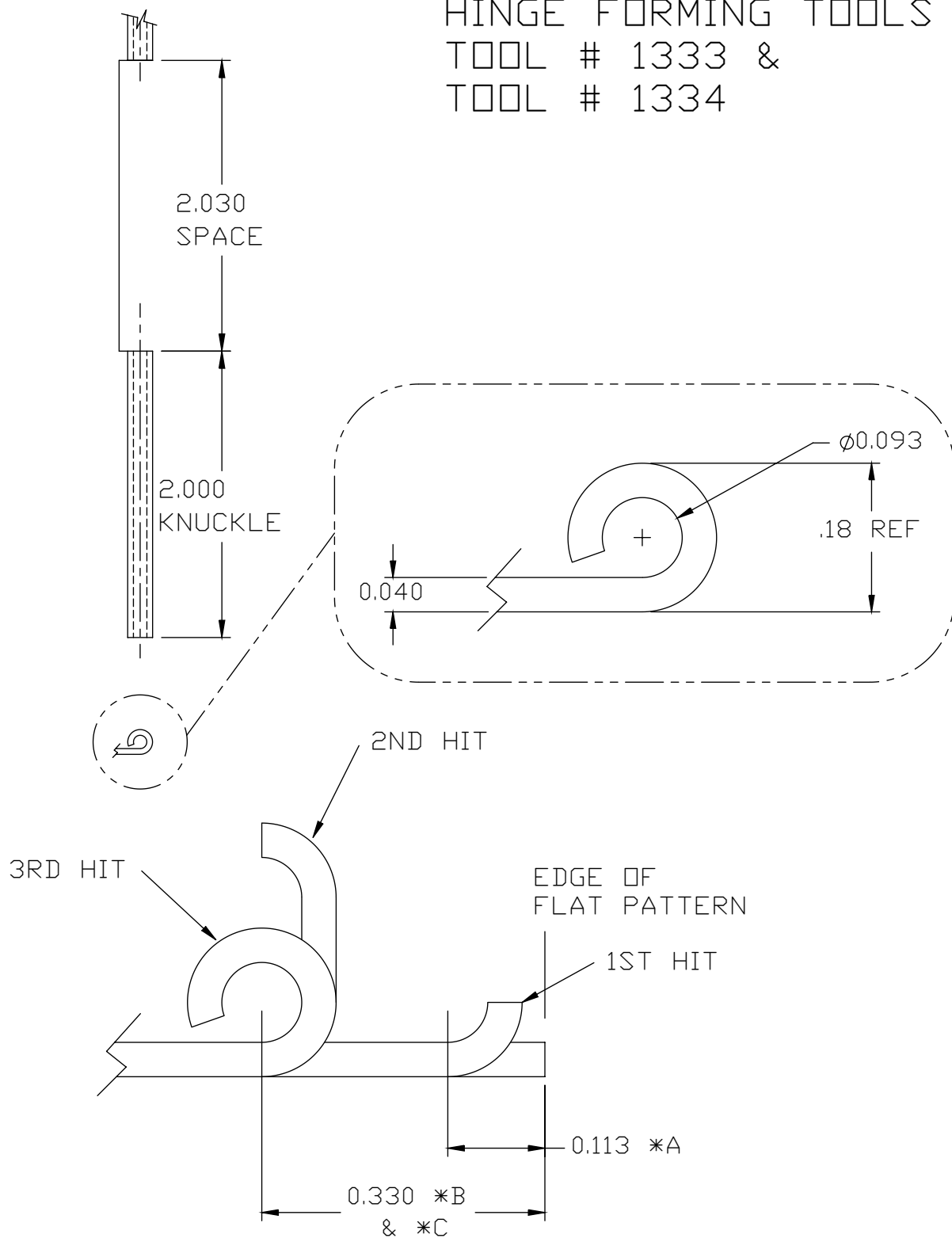


<u>TOOL NO.</u>	1284
<u>NAME</u>	TRAPEZOID
<u>STATION</u>	0.50
<u>ANGLES</u>	0 90
<u>CLEARANCE</u>	.008
<u>ADD'L INFO</u>	

HINGE FORMING TOOLS

TOOL # 1333 &

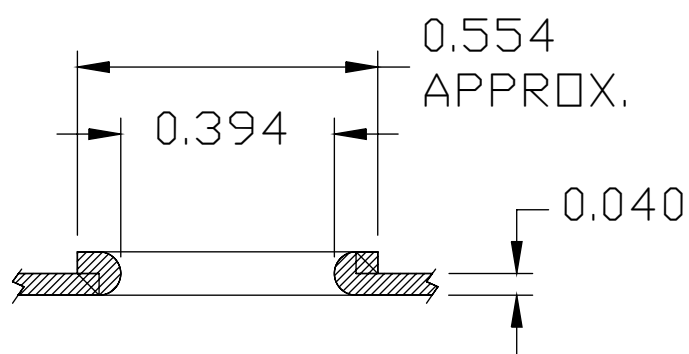
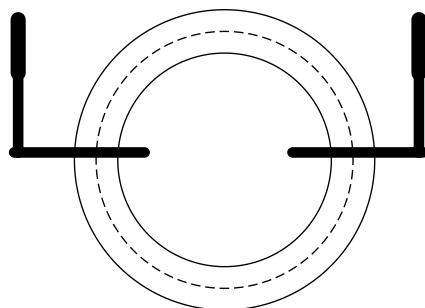
TOOL # 1334



- *A- TO 1ST HIT TOOL 1333
- *B- TO 2ND HIT TOOL 1333
- *C- TO 3RD HIT TOOL 1334

FROM EDGE OF FLAT
PATTERN

GROMMET HOLE TOOL



ST 1362 EXTRUSION PUNCH
ST 1363 FLARE PUNCH

ID	Shape	Dimensions		Size	Angles			Clearance	
1	DOUBLE D	0.125	0.173	0.50	0.00	90.00		0.004	0.008
2	DOUBLE D	0.206	0.250	0.50	0.00	90.00		0.004	0.008
3	DOUBLE D	0.213	0.257	1.25	0.00	90.00		0.008	
4	DOUBLE D	0.260	0.310	0.50	0.00	90.00		0.008	0.010
5	DOUBLE D	0.316	0.385	0.50	0.00	90.00	180.00 270.00	0.008	
6	DOUBLE D	0.335	0.375	0.50	0.00	90.00		0.008	0.018
7	DOUBLE D	0.380	0.443	0.50	0.00	90.00		0.010	
8	DOUBLE D	0.380	0.471	0.50	0.00	90.00		0.008	0.010
9	DOUBLE D	0.424	0.476	1.25	0.00	90.00		0.012	
10	DOUBLE D	0.456	0.500	0.50	0.00	90.00		0.008	
11	DOUBLE D	0.531	0.562	1.25	0.00	90.00		0.008	
12	DOUBLE D	0.550	0.625	1.25	0.00	90.00		0.008	
13	DOUBLE D	0.570	0.625	1.25	0.00	90.00		0.008	
14	DOUBLE D	0.575	0.640	1.25	0.00	90.00		0.008	
15	DOUBLE D	0.584	0.638	1.25	0.00	90.00		0.008	
16	DOUBLE D	0.630	0.750	1.25	0.00	90.00		0.008	
17	DOUBLE D	0.635	0.765	1.25	0.00	90.00		0.008	
18	DOUBLE D	0.670	0.750	1.25	0.00	90.00		0.008	
19	DOUBLE D	0.681	0.764	1.25	0.00	90.00		0.004	
20	DOUBLE D	0.750	0.800	1.25	0.00	90.00		0.008	
21	DOUBLE D	0.770	0.875	1.25	0.00	90.00		0.008	
22	DOUBLE D	0.770	0.875	1.25	0.00	90.00		0.008	
23	DOUBLE D	0.978	1.035	1.25	0.00	90.00		0.010	
24	DOUBLE D	1.125	1.340	2.00	0.00	90.00		0.008	
25	OBROUND	0.030	1.125	1.25	0.00	90.00		0.006	
26	OBROUND	0.035	0.560	1.25	0.00	90.00		0.004	
27	OBROUND	0.035	0.560	1.25	0.00	90.00		0.008	
28	OBROUND	0.040	1.125	1.25	0.00	90.00		0.006	
29	OBROUND	0.047	0.312	0.50	0.00	90.00		0.004	0.008
30	OBROUND	0.047	0.312	0.50	0.00	90.00		0.008	
31	OBROUND	0.059	1.125	1.25	0.00	90.00		0.006	
32	OBROUND	0.062	0.190	0.50	0.00	90.00		0.008	
33	OBROUND	0.062	0.190	0.50	0.00	90.00		0.004	
34	OBROUND	0.062	0.500	0.50	0.00	90.00		0.004	0.008 0.010
35	OBROUND	0.062	0.500	0.50	0.00	90.00		0.008	
36	OBROUND	0.062	0.500	0.50	0.00	90.00		0.008	
37	OBROUND	0.062	0.750	1.25	0.00	90.00		0.008	
38	OBROUND	0.062	0.875	1.25	0.00	45.00 90.00		0.008	
39	OBROUND	0.062	0.875	1.25	0.00	90.00 135.00		0.008	
40	OBROUND	0.062	1.250	1.25	0.00	90.00		0.008	
41	OBROUND	0.064	0.280	0.50	0.00	90.00		0.008	
42	OBROUND	0.068	0.424	0.50	0.00	90.00		0.008	
43	OBROUND	0.071	1.125	1.25	0.00	90.00		0.006	
44	OBROUND	0.078	0.437	0.50	0.00	90.00		0.006	
45	OBROUND	0.080	0.630	1.25	0.00	90.00		0.008	
46	OBROUND	0.093	0.188	0.50	0.00	90.00		0.004	0.008
47	OBROUND	0.093	0.500	0.50	0.00	90.00		0.004	0.008
48	OBROUND	0.093	0.500	0.50	0.00	90.00		0.008	
49	OBROUND	0.093	0.750	1.25	0.00	90.00		0.006	0.012
50	OBROUND	0.094	0.172	0.50	0.00	90.00		0.004	0.008
51	OBROUND	0.098	0.250	0.50	0.00	90.00		0.008	
52	OBROUND	0.100	0.310	0.50	0.00	90.00		0.008	
53	OBROUND	0.100	0.310	0.50	0.00	90.00		0.008	
54	OBROUND	0.100	1.500	2.00	0.00	90.00		0.008	
55	OBROUND	0.110	0.210	0.50	0.00	90.00		0.008	
56	OBROUND	0.110	0.840	1.25	0.00	30.00 90.00 150.00		0.012	

ID	Shape	Dimensions		Size	Angles				Clearance	
57	OBROUND	0.110	0.840	1.25	0.00	30.00	90.00	150.00	0.012	
58	OBROUND	0.111	0.154	0.50	0.00	90.00			0.008	
59	OBROUND	0.118	0.236	0.50	0.00	90.00			0.006	
60	OBROUND	0.118	0.905	1.25	0.00	90.00			0.012	
61	OBROUND	0.125	0.175	0.50	0.00	90.00	180.00	270.00	0.004	0.008
62	OBROUND	0.125	0.218	0.50	0.00	90.00			0.008	
63	OBROUND	0.125	0.250	0.50	0.00	90.00			0.008	
64	OBROUND	0.125	0.375	0.50	0.00	90.00			0.008	
65	OBROUND	0.125	0.375	0.50	0.00	90.00			0.008	
66	OBROUND	0.125	0.500	0.50	0.00	90.00			0.008	
67	OBROUND	0.125	0.500	0.50	0.00	90.00			0.008	
68	OBROUND	0.125	0.750	1.25	0.00	90.00			0.008	0.016
69	OBROUND	0.125	0.800	1.25	0.00	90.00			0.008	
70	OBROUND	0.125	0.813	1.25	0.00	90.00			0.008	
71	OBROUND	0.125	0.835	1.25	0.00	90.00			0.008	
72	OBROUND	0.125	1.000	1.25	0.00	90.00			0.008	
73	OBROUND	0.125	1.000	1.25	0.00	90.00			0.008	
74	OBROUND	0.125	1.125	1.25	0.00	90.00			0.008	
75	OBROUND	0.125	1.250	1.25	0.00	90.00			0.008	
76	OBROUND	0.125	1.378	2.00	0.00	90.00			0.008	
77	OBROUND	0.125	1.500	2.00	0.00	90.00			0.008	
78	OBROUND	0.125	2.000	2.00	0.00	90.00			0.004	0.008
79	OBROUND	0.128	0.145	0.50	0.00	90.00			0.008	
80	OBROUND	0.128	0.156	0.50	0.00	90.00			0.008	
81	OBROUND	0.128	0.188	0.50	0.00	90.00			0.008	
82	OBROUND	0.128	0.250	0.50	0.00	90.00			0.008	
83	OBROUND	0.129	0.440	0.50	0.00	90.00			0.008	
84	OBROUND	0.130	0.180	0.50	0.00	90.00			0.008	
85	OBROUND	0.130	0.307	0.50	0.00	90.00			0.008	
86	OBROUND	0.132	0.310	0.50	0.00	90.00			0.008	
87	OBROUND	0.136	0.180	0.50	0.00	90.00			0.002	0.008
88	OBROUND	0.137	1.000	1.25	0.00	90.00			0.008	
89	OBROUND	0.140	0.244	0.50	0.00	90.00			0.002	0.008
90	OBROUND	0.140	0.280	0.50	0.00	90.00			0.004	0.008
91	OBROUND	0.140	0.310	0.50	0.00	90.00			0.004	0.008
92	OBROUND	0.141	0.203	0.50	0.00	90.00			0.008	
93	OBROUND	0.145	0.463	0.50	0.00	90.00			0.008	
94	OBROUND	0.156	0.185	0.50	0.00	90.00			0.008	
95	OBROUND	0.156	0.203	0.50	0.00	90.00			0.008	
96	OBROUND	0.156	0.218	0.50	0.00	90.00			0.008	
97	OBROUND	0.156	0.230	0.50	0.00	90.00			0.008	
98	OBROUND	0.156	0.250	0.50	0.00	90.00			0.008	
99	OBROUND	0.156	0.312	0.50	0.00	90.00			0.008	
100	OBROUND	0.156	0.312	0.50	0.00	90.00			0.008	
101	OBROUND	0.156	0.375	0.50	0.00	90.00			0.008	
102	OBROUND	0.156	0.630	0.50	0.00	90.00			0.008	
103	OBROUND	0.156	0.700	0.50	0.00	90.00			0.008	
104	OBROUND	0.156	1.000	1.25	0.00	90.00			0.008	
105	OBROUND	0.157	0.472	0.50	0.00	90.00			0.008	
106	OBROUND	0.166	0.188	0.50	0.00	90.00			0.008	
107	OBROUND	0.169	0.220	0.50	0.00	90.00			0.010	
108	OBROUND	0.169	0.325	0.50	0.00	90.00			0.008	
109	OBROUND	0.172	0.250	0.50	0.00	90.00			0.008	0.010
110	OBROUND	0.172	0.612	1.25	0.00	90.00			0.020	
111	OBROUND	0.177	0.312	0.50	0.00	90.00			0.008	
112	OBROUND	0.177	0.312	0.50	0.00	90.00			0.008	

ID	Shape	Dimensions		Size	Angles		Clearance	
113	OBROUND	0.177	0.354	0.50	0.00	90.00	0.008	
114	OBROUND	0.180	0.330	0.50	0.00	90.00	0.008	
115	OBROUND	0.181	0.500	0.50	0.00	90.00	0.004	
116	OBROUND	0.187	0.250	0.50	0.00	90.00	0.008	0.020
117	OBROUND	0.187	0.312	0.50	0.00	90.00	0.008	
118	OBROUND	0.187	0.312	0.50	0.00	90.00	0.008	
119	OBROUND	0.187	0.312	0.50	0.00	90.00	0.008	
120	OBROUND	0.187	0.375	0.50	0.00	90.00	0.008	
121	OBROUND	0.187	0.375	0.50	0.00	90.00	0.008	
122	OBROUND	0.187	0.468	0.50	0.00	90.00	0.004	0.008
123	OBROUND	0.187	0.500	0.50	0.00	90.00	0.008	
124	OBROUND	0.187	0.500	0.50	0.00	90.00	0.008	
125	OBROUND	0.187	0.500	0.50	0.00	90.00	0.008	
126	OBROUND	0.187	0.750	1.25	0.00	90.00	0.006	
127	OBROUND	0.187	0.875	1.25	0.00	90.00	0.008	
128	OBROUND	0.187	1.000	1.25	0.00	90.00	0.008	
129	OBROUND	0.187	1.000	1.25	0.00	90.00	0.008	
130	OBROUND	0.187	1.180	1.25	0.00	90.00	0.008	
131	OBROUND	0.187	2.500	3.50	0.00	90.00 180.00 270.00	0.008	
132	OBROUND	0.190	0.281	0.50	0.00	90.00	0.008	
133	OBROUND	0.196	0.393	0.50	0.00	90.00	0.010	
134	OBROUND	0.196	0.413	0.50	0.00	90.00	0.006	0.010
135	OBROUND	0.196	0.500	0.50	0.00	90.00	0.008	
136	OBROUND	0.197	0.315	0.50	0.00	90.00	0.008	0.012
137	OBROUND	0.197	0.572	1.25	0.00	90.00	0.010	
138	OBROUND	0.197	1.125	1.25	0.00	90.00	0.008	
139	OBROUND	0.198	0.750	1.25	0.00	90.00	0.008	
140	OBROUND	0.203	0.375	0.50	0.00	90.00	0.008	0.012
141	OBROUND	0.203	0.437	0.50	0.00	90.00	0.008	
142	OBROUND	0.203	1.000	1.25	0.00	90.00	0.008	
143	OBROUND	0.213	1.000	1.25	0.00	90.00	0.008	
144	OBROUND	0.216	0.875	1.25	0.00	90.00	0.018	
145	OBROUND	0.218	0.278	0.50	0.00	90.00	0.008	
146	OBROUND	0.218	0.300	0.50	0.00	90.00	0.008	0.012
147	OBROUND	0.218	0.375	0.50	0.00	90.00	0.008	
148	OBROUND	0.218	1.000	1.25	0.00	90.00	0.008	
149	OBROUND	0.219	0.344	0.50	0.00	90.00	0.008	
150	OBROUND	0.225	0.625	1.25	0.00	90.00	0.008	
151	OBROUND	0.230	2.000	2.00	0.00	90.00	0.008	0.012
152	OBROUND	0.236	0.275	0.50	0.00	90.00	0.006	
153	OBROUND	0.236	0.314	0.50	0.00	90.00	0.008	
154	OBROUND	0.236	0.500	0.50	0.00	90.00	0.008	
155	OBROUND	0.236	0.984	1.25	0.00	90.00	0.008	
156	OBROUND	0.250	0.375	0.50	0.00	90.00	0.008	
157	OBROUND	0.250	0.375	0.50	0.00	90.00	0.008	
158	OBROUND	0.250	0.420	0.50	0.00	90.00	0.010	
159	OBROUND	0.250	0.500	0.50	0.00	90.00	0.008	0.010
160	OBROUND	0.250	0.500	1.25	0.00	90.00	0.008	0.020
161	OBROUND	0.250	0.750	1.25	0.00	90.00	0.010	0.016
162	OBROUND	0.250	1.000	1.25	0.00	90.00	0.008	
163	OBROUND	0.250	1.000	1.25	0.00	90.00	0.008	
164	OBROUND	0.250	1.250	1.25	0.00	90.00	0.008	0.018
165	OBROUND	0.252	0.338	0.50	0.00	90.00	0.010	
166	OBROUND	0.256	0.925	1.25	0.00	90.00	0.008	
167	OBROUND	0.256	1.112	1.25	0.00	90.00	0.008	
168	OBROUND	0.265	0.380	0.50	0.00	90.00	0.008	

ID	Shape	Dimensions		Size	Angles		Clearance	
169	OBROUND	0.265	0.875	1.25	0.00	90.00	0.018	
170	OBROUND	0.270	0.440	0.50	0.00	90.00	0.008	
171	OBROUND	0.270	0.500	0.50	0.00	90.00	0.006	
172	OBROUND	0.270	0.750	1.25	0.00	90.00	0.008	0.012
173	OBROUND	0.270	1.625	2.00	0.00	90.00	0.010	0.018
174	OBROUND	0.278	0.406	0.50	0.00	90.00	0.010	
175	OBROUND	0.281	0.380	0.50	0.00	90.00	0.006	
176	OBROUND	0.281	0.484	0.50	0.00	90.00	0.010	
177	OBROUND	0.281	0.484	0.50	0.00	90.00	0.010	
178	OBROUND	0.281	1.000	1.25	0.00	90.00	0.008	0.018
179	OBROUND	0.295	1.000	1.25	0.00	90.00	0.008	0.012
180	OBROUND	0.312	0.385	0.50	0.00	90.00	0.008	0.012
181	OBROUND	0.312	0.500	0.50	0.00	90.00	0.008	0.016
182	OBROUND	0.312	0.500	0.50	0.00	90.00	0.008	
183	OBROUND	0.343	0.500	1.25	0.00	90.00	0.008	0.018
184	OBROUND	0.356	1.000	1.25	0.00	90.00	0.008	0.012
185	OBROUND	0.375	0.500	1.25	0.00	90.00	0.010	0.020
186	OBROUND	0.375	0.750	1.25	0.00	90.00	0.008	
187	OBROUND	0.375	0.750	1.25	0.00	90.00	0.008	0.016
188	OBROUND	0.375	0.750	1.25	0.00	90.00	0.008	
189	OBROUND	0.400	0.750	1.25	0.00	90.00	0.008	
190	OBROUND	0.406	0.750	1.25	0.00	90.00	0.008	0.018
191	OBROUND	0.440	1.000	1.25	0.00	90.00	0.010	
192	OBROUND	0.500	0.770	1.25	0.00	90.00	0.008	
193	OBROUND	0.500	1.000	1.25	0.00	90.00	0.008	0.018
194	OBROUND	0.510	0.835	1.25	0.00	90.00	0.010	
195	OBROUND	0.512	1.102	1.25	0.00	90.00	0.008	
196	OBROUND	0.550	1.000	1.25	0.00	90.00	0.015	
197	OBROUND	0.560	0.750	1.25	0.00	90.00	0.008	
198	OBROUND	0.600	2.828	3.50	0.00	90.00	180.00	270.00
199	OBROUND	0.625	1.250	1.25	0.00	90.00	0.006	
200	OBROUND	0.630	2.000	2.00	0.00	90.00	0.004	0.008
201	OBROUND	0.656	3.000	3.50	0.00	90.00	0.008	0.012
202	OBROUND	0.730	1.970	2.00	0.00	90.00	0.004	
203	OBROUND	0.760	1.800	2.00	0.00	90.00	0.010	
204	OBROUND	0.875	1.510	2.00	0.00	90.00	0.008	
205	OBROUND	1.000	1.250	1.25	0.00	90.00	0.010	
206	OBROUND	1.500	4.500	4.50	0.00	90.00	0.008	
207	RECTANGLE	0.040	0.100	0.50	0.00	90.00	0.004	0.008
208	RECTANGLE	0.040	0.207	0.50	0.00	90.00	0.008	
209	RECTANGLE	0.040	0.250	0.50	0.00	90.00	0.004	0.008
210	RECTANGLE	0.040	0.250	0.50	0.00	90.00	0.004	0.008
211	RECTANGLE	0.040	0.312	0.50	0.00	90.00		
212	RECTANGLE	0.050	0.186	0.50	0.00	90.00	0.004	0.008
213	RECTANGLE	0.050	0.312	0.50	0.00	90.00		
214	RECTANGLE	0.050	0.380	0.50	0.00	90.00	0.008	
215	RECTANGLE	0.054	0.250	0.50	0.00	90.00	0.008	
216	RECTANGLE	0.054	0.250	0.50	0.00	90.00	0.004	0.008
217	RECTANGLE	0.054	0.250	0.50	0.00	90.00	0.004	0.008
218	RECTANGLE	0.054	0.375	0.50	0.00	90.00	0.004	0.008
219	RECTANGLE	0.060	0.394	0.50	0.00	90.00	0.004	0.008
220	RECTANGLE	0.060	0.394	0.50	0.00	90.00	0.008	
221	RECTANGLE	0.060	0.394	0.50	0.00	90.00	0.008	0.010
222	RECTANGLE	0.063	0.250	0.50	0.00	90.00	0.008	
223	RECTANGLE	0.063	0.250	0.50	0.00	90.00	0.008	
224	RECTANGLE	0.063	0.500	1.25	0.00	90.00	0.008	0.010

ID	Shape	Dimensions		Size	Angles			Clearance	
225	RECTANGLE	0.063	0.500	1.25	0.00	90.00		0.004	0.008
226	RECTANGLE	0.063	0.500	1.25	0.00	90.00		0.004	
227	RECTANGLE	0.063	0.500	1.25	0.00	45.00	90.00 135.00	0.004	0.010
228	RECTANGLE	0.063	0.500	1.25	0.00	45.00	90.00 135.00	0.008	0.018
229	RECTANGLE	0.070	0.115	0.50	0.00	90.00		0.004	
230	RECTANGLE	0.070	0.115	0.50	0.00	90.00		0.004	0.008
231	RECTANGLE	0.070	0.375	0.50	0.00	90.00		0.008	
232	RECTANGLE	0.070	0.375	0.50	0.00	90.00		0.004	
233	RECTANGLE	0.078	0.500	1.25	0.00	90.00		0.012	
234	RECTANGLE	0.079	0.394	0.50	0.00	90.00		0.008	
235	RECTANGLE	0.079	1.000	1.25	0.00	90.00		0.008	
236	RECTANGLE	0.079	1.000	1.25	0.00	90.00		0.008	
237	RECTANGLE	0.080	0.256	0.50	0.00	90.00		0.008	
238	RECTANGLE	0.087	0.610	1.25	0.00	90.00		0.008	0.010
239	RECTANGLE	0.093	0.500	1.25	0.00	90.00		0.008	
240	RECTANGLE	0.093	0.500	1.25	0.00	90.00		0.008	
241	RECTANGLE	0.093	0.500	1.25	0.00	90.00		0.008	
242	RECTANGLE	0.093	0.500	1.25	0.00	90.00		0.008	0.018
243	RECTANGLE	0.093	0.750	1.25	0.00	90.00		0.004	0.008
244	RECTANGLE	0.093	0.750	1.25	0.00	90.00		0.004	0.008
245	RECTANGLE	0.093	0.750	1.25	0.00	90.00		0.008	
246	RECTANGLE	0.093	0.750	1.25	0.00	90.00		0.008	0.015
247	RECTANGLE	0.093	1.125	1.25	0.00	90.00		0.008	
248	RECTANGLE	0.100	0.140	0.50	0.00	90.00		0.008	
249	RECTANGLE	0.100	0.216	0.50	0.00	90.00		0.004	
250	RECTANGLE	0.100	0.250	0.50	0.00	90.00		0.008	
251	RECTANGLE	0.100	0.273	0.50	0.00	90.00		0.010	
252	RECTANGLE	0.100	0.273	0.50	0.00	90.00		0.010	
253	RECTANGLE	0.100	0.300	0.50	0.00	90.00		0.008	
254	RECTANGLE	0.100	0.390	0.50	0.00	90.00		0.012	
255	RECTANGLE	0.100	0.610	1.25	0.00	90.00		0.010	
256	RECTANGLE	0.100	0.992	1.25	0.00	90.00		0.018	
257	RECTANGLE	0.100	1.000	1.25	0.00	90.00		0.008	
258	RECTANGLE	0.100	1.000	1.25	0.00	45.00	90.00 135.00	0.004	0.018
259	RECTANGLE	0.100	1.000	1.25	0.00	45.00	90.00 135.00	0.008	0.010
260	RECTANGLE	0.100	1.000	1.25	0.00	90.00		0.008	
261	RECTANGLE	0.100	1.750	2.00	0.00	90.00		0.008	
262	RECTANGLE	0.100	1.750	2.00	0.00	90.00		0.008	
263	RECTANGLE	0.100	1.750	2.00	0.00	90.00		0.004	0.008 0.010 0.012
264	RECTANGLE	0.100	1.750	2.00	0.00	90.00		0.008	0.010 0.012
265	RECTANGLE	0.100	1.875	2.00	0.00	90.00		0.008	
266	RECTANGLE	0.100	1.875	2.00	0.00	90.00		0.008	
267	RECTANGLE	0.100	1.875	2.00	0.00	90.00		0.004	0.008
268	RECTANGLE	0.100	1.875	2.00	0.00	90.00		0.010	
269	RECTANGLE	0.106	0.240	0.50	0.00	90.00		0.004	0.008
270	RECTANGLE	0.110	0.420	0.50	0.00	90.00		0.008	
271	RECTANGLE	0.115	0.265	0.50	0.00	90.00		0.008	
272	RECTANGLE	0.125	0.180	0.50	0.00	90.00		0.008	
273	RECTANGLE	0.125	0.180	0.50	0.00	90.00		0.008	0.018
274	RECTANGLE	0.125	0.250	0.50	0.00	90.00		0.008	
275	RECTANGLE	0.125	0.250	0.50	0.00	90.00		0.008	0.012
276	RECTANGLE	0.125	0.312	0.50	0.00	90.00		0.008	
277	RECTANGLE	0.125	0.312	0.50	0.00	90.00		0.008	
278	RECTANGLE	0.125	0.500	1.25	0.00	90.00		0.008	
279	RECTANGLE	0.125	0.500	1.25	0.00	90.00		0.008	0.016
280	RECTANGLE	0.125	0.750	1.25	0.00	90.00		0.008	0.012

ID	Shape	Dimensions		Size	Angles		Clearance		
281	RECTANGLE	0.125	1.000	1.25	0.00	90.00	0.004		
282	RECTANGLE	0.125	1.000	1.25	0.00	90.00	0.008	0.010	
283	RECTANGLE	0.125	1.000	1.25	0.00	90.00	0.008	0.010	
284	RECTANGLE	0.125	1.125	1.25	0.00	90.00	0.008		
285	RECTANGLE	0.125	1.180	1.25	0.00	90.00	0.004	0.008	
286	RECTANGLE	0.125	1.180	1.25	0.00	90.00	0.004	0.008	
287	RECTANGLE	0.125	1.180	1.25	0.00	90.00	0.008		
288	RECTANGLE	0.125	1.180	1.25	0.00	90.00	0.016		
289	RECTANGLE	0.125	3.000	3.50	0.00	90.00	0.004	0.008	
290	RECTANGLE	0.125	3.000	3.50	0.00	90.00	0.004	0.008	
291	RECTANGLE	0.125	3.000	3.50	0.00	90.00	0.008	0.012	
292	RECTANGLE	0.125	3.000	3.50	0.00	90.00	0.008	0.018	
293	RECTANGLE	0.140	0.280	0.50	0.00	90.00	0.008		
294	RECTANGLE	0.140	0.430	0.50	0.00	90.00	0.008		
295	RECTANGLE	0.140	0.500	1.25	0.00	90.00	0.004	0.008	0.016
296	RECTANGLE	0.140	1.000	1.25	0.00	90.00	0.004	0.008	
297	RECTANGLE	0.150	0.500	1.25	0.00	90.00	0.004	0.008	
298	RECTANGLE	0.156	0.325	0.50	0.00	90.00	0.008		
299	RECTANGLE	0.156	1.750	2.00	0.00	90.00	0.010	0.018	
300	RECTANGLE	0.156	1.750	2.00	0.00	90.00	0.010	0.018	
301	RECTANGLE	0.156	4.000	4.50	0.00	90.00	0.008	0.016	
302	RECTANGLE	0.167	0.470	0.50	0.00	90.00	0.010		
303	RECTANGLE	0.187	0.500	1.25	0.00	90.00	0.004	0.008	
304	RECTANGLE	0.187	0.500	1.25	0.00	90.00	0.008		
305	RECTANGLE	0.187	0.625	1.25	0.00	90.00	0.008	0.018	
306	RECTANGLE	0.187	0.650	1.25	0.00	90.00	0.008		
307	RECTANGLE	0.187	0.875	1.25	0.00	90.00	0.008	0.018	
308	RECTANGLE	0.187	1.250	2.00	0.00	90.00	0.008	0.018	
309	RECTANGLE	0.189	0.250	0.50	0.00	90.00	0.008		
310	RECTANGLE	0.197	0.472	0.50	0.00	90.00	0.008	0.016	
311	RECTANGLE	0.197	0.797	1.25	0.00	90.00	0.008	0.018	
312	RECTANGLE	0.200	0.700	1.25	0.00	90.00	0.008		
313	RECTANGLE	0.218	1.000	1.25	0.00	90.00	0.008		
314	RECTANGLE	0.220	0.278	0.50	0.00	90.00	0.015		
315	RECTANGLE	0.238	0.590	1.25	0.00	90.00	0.030		
316	RECTANGLE	0.250	0.420	0.50	0.00	90.00	0.008		
317	RECTANGLE	0.250	0.500	1.25	0.00	90.00	0.008		
318	RECTANGLE	0.250	0.500	1.25	0.00	90.00	0.012		
319	RECTANGLE	0.250	1.000	1.25	0.00	90.00	0.008		
320	RECTANGLE	0.250	1.000	1.25	0.00	90.00	0.008	0.010	
321	RECTANGLE	0.250	1.500	2.00	0.00	90.00	0.008		
322	RECTANGLE	0.250	1.500	2.00	0.00	90.00	0.008		
323	RECTANGLE	0.250	1.500	2.00	0.00	90.00	0.008	0.018	0.025
324	RECTANGLE	0.250	3.000	3.50	0.00	90.00	0.004	0.010	0.012
325	RECTANGLE	0.250	3.000	3.50	0.00	90.00	0.010	0.012	0.018
326	RECTANGLE	0.290	0.341	0.50	0.00	90.00	270.00	180.00	0.006
327	RECTANGLE	0.294	0.894	1.25	0.00	90.00	0.008		
328	RECTANGLE	0.308	0.803	1.25	0.00	90.00	0.004	0.008	
329	RECTANGLE	0.340	0.520	1.25	0.00	90.00	180.00	270.00	0.008
330	RECTANGLE	0.350	0.450	1.25	0.00	90.00	0.008		
331	RECTANGLE	0.356	0.550	1.25	0.00	90.00	0.010		
332	RECTANGLE	0.375	0.875	1.25	0.00	90.00	0.008		
333	RECTANGLE	0.375	1.000	1.25	0.00	90.00	0.008		
334	RECTANGLE	0.375	1.327	2.00	0.00	90.00	0.008		
335	RECTANGLE	0.375	1.625	2.00	0.00	90.00	0.006		
336	RECTANGLE	0.380	0.420	1.25	0.00	90.00	0.008		

ID	Shape	Dimensions		Size	Angles		Clearance		
337	RECTANGLE	0.390	0.590	1.25	0.00	90.00			
338	RECTANGLE	0.394	0.500	1.25	0.00	90.00		0.008	
339	RECTANGLE	0.400	1.000	1.25	0.00	90.00		0.008	
340	RECTANGLE	0.417	1.216	2.00	0.00	90.00		0.008	
341	RECTANGLE	0.420	2.100	3.50	0.00	90.00	180.00	270.00	0.008
342	RECTANGLE	0.440	0.940	1.25	0.00	90.00		0.012	
343	RECTANGLE	0.445	0.779	1.25	0.00	90.00		0.002	
344	RECTANGLE	0.468	0.750	1.25	0.00	90.00		0.008	
345	RECTANGLE	0.470	0.590	1.25	0.00	90.00		0.008	
346	RECTANGLE	0.480	0.911	1.25	0.00	90.00		0.008	
347	RECTANGLE	0.486	1.214	2.00	0.00	90.00		0.014	
348	RECTANGLE	0.488	1.216	2.00	0.00	90.00		0.012	
349	RECTANGLE	0.494	0.832	1.25	0.00	90.00		0.004	0.008
350	RECTANGLE	0.500	1.000	1.25	0.00	90.00		0.008	
351	RECTANGLE	0.500	1.000	1.25	0.00	90.00		0.010	
352	RECTANGLE	0.500	1.500	2.00	0.00	90.00		0.004	0.008 0.012
353	RECTANGLE	0.520	0.670	1.25	0.00	90.00		0.008	
354	RECTANGLE	0.520	2.250	3.50	0.00	90.00		0.008	
355	RECTANGLE	0.540	1.175	2.00	0.00	90.00		0.010	
356	RECTANGLE	0.570	0.800	1.25	0.00	30.00	90.00	0.012	
357	RECTANGLE	0.570	1.054	1.25	0.00	90.00	150.00	0.012	
358	RECTANGLE	0.583	0.655	1.25	0.00	90.00		0.004	0.008
359	RECTANGLE	0.583	0.825	1.25	0.00	90.00		0.004	0.008
360	RECTANGLE	0.640	0.670	1.25	0.00	90.00		0.008	
361	RECTANGLE	0.650	0.760	1.25	0.00	90.00		0.012	
362	RECTANGLE	0.681	0.803	1.25	0.00	90.00		0.004	0.008
363	RECTANGLE	0.750	1.000	1.25	0.00	90.00		0.004	0.008
364	RECTANGLE	0.750	1.000	2.00	0.00	90.00		0.008	
365	RECTANGLE	0.750	3.250	3.50	0.00	90.00		0.004	0.008
366	RECTANGLE	0.976	1.232	2.00	0.00	90.00		0.008	
367	RECTANGLE	0.976	2.889	3.50	0.00	90.00		0.008	
368	RECTANGLE	0.992	1.017	2.00	0.00	90.00		0.008	
369	RECTANGLE	1.000	1.250	2.00	0.00	90.00		0.012	
370	RECTANGLE	1.141	2.780	3.50	0.00	90.00		0.012	
371	RECTANGLE	1.625	4.016	4.50	0.00	90.00		0.012	
372	ROUND	0.050		0.50				0.004	
373	ROUND	0.058		0.50				0.008	
374	ROUND	0.062		0.50				0.008	
375	ROUND	0.065		0.50				0.008	
376	ROUND	0.070		0.50				0.008	
377	ROUND	0.072		0.50				0.008	
378	ROUND	0.078		0.50				0.008	
379	ROUND	0.083		0.50				0.004	0.008
380	ROUND	0.089		0.50				0.008	
381	ROUND	0.093		0.50				0.008	
382	ROUND	0.097		0.50				0.008	
383	ROUND	0.098		0.50				0.008	
384	ROUND	0.099		0.50				0.008	
385	ROUND	0.102		0.50				0.004	0.008
386	ROUND	0.106		0.50				0.008	
387	ROUND	0.109		0.50				0.008	
388	ROUND	0.111		0.50				0.008	
389	ROUND	0.114		0.50				0.010	
390	ROUND	0.116		0.50				0.008	0.010
391	ROUND	0.120		0.50				0.008	
392	ROUND	0.125		0.50				0.006	0.008 0.010

ID	Shape	Dimensions	Size	Angles	Clearance
393	ROUND	0.128	0.50		0.008
394	ROUND	0.130	0.50		0.008
395	ROUND	0.132	0.50		0.008
396	ROUND	0.136	0.50		0.008
397	ROUND	0.140	0.50		0.008
398	ROUND	0.142	0.50		0.008
399	ROUND	0.144	0.50		0.008
400	ROUND	0.147	0.50		0.008
401	ROUND	0.148	0.50		0.007
402	ROUND	0.152	0.50		0.008
403	ROUND	0.156	0.50		0.008
404	ROUND	0.159	0.50		0.008 0.010
405	ROUND	0.161	0.50		0.008
406	ROUND	0.166	0.50		0.008
407	ROUND	0.169	0.50		0.008
408	ROUND	0.172	0.50		0.008
409	ROUND	0.174	0.50		0.008
410	ROUND	0.177	0.50		0.008
411	ROUND	0.180	0.50		0.008
412	ROUND	0.182	0.50		0.008
413	ROUND	0.187	0.50		0.008
414	ROUND	0.189	0.50		0.004 0.008 0.010
415	ROUND	0.193	0.50		0.008
416	ROUND	0.196	0.50		0.008
417	ROUND	0.201	0.50		0.008 0.012
418	ROUND	0.203	0.50		0.008
419	ROUND	0.208	0.50		0.008
420	ROUND	0.213	0.50		0.008
421	ROUND	0.215	0.50		0.008
422	ROUND	0.218	0.50		0.008
423	ROUND	0.222	0.50		0.008
424	ROUND	0.232	0.50		0.004 0.008
425	ROUND	0.234	0.50		0.008
426	ROUND	0.235	0.50		0.006
427	ROUND	0.240	0.50		0.008
428	ROUND	0.243	0.50		0.008
429	ROUND	0.250	0.50		0.008
430	ROUND	0.253	0.50		0.005 0.012
431	ROUND	0.257	0.50		0.008
432	ROUND	0.265	0.50		0.008
433	ROUND	0.272	0.50		0.008
434	ROUND	0.281	0.50		0.008
435	ROUND	0.285	0.50		0.004 0.008
436	ROUND	0.290	0.50		0.008
437	ROUND	0.295	0.50		0.008
438	ROUND	0.299	0.50		0.008
439	ROUND	0.302	0.50		0.008
440	ROUND	0.312	0.50		0.008
441	ROUND	0.314	0.50		0.016
442	ROUND	0.316	0.50		0.020
443	ROUND	0.328	0.50		0.008
444	ROUND	0.332	0.50		0.008
445	ROUND	0.343	0.50		0.008
446	ROUND	0.344	0.50		0.008
447	ROUND	0.344	0.50		0.008
448	ROUND	0.347	0.50		0.008

ID	Shape	Dimensions	Size	Angles	Clearance
449	ROUND	0.350	0.50		0.008
450	ROUND	0.359	0.50		0.008
451	ROUND	0.368	0.50		0.012
452	ROUND	0.375	0.50		0.005 0.008
453	ROUND	0.380	0.50		0.005 0.008
454	ROUND	0.391	0.50		0.004 0.008
455	ROUND	0.395	0.50		0.004
456	ROUND	0.403	0.50		0.008
457	ROUND	0.406	0.50		0.008
458	ROUND	0.415	0.50		0.008 0.018
459	ROUND	0.422	0.50		0.008
460	ROUND	0.437	0.50		0.008
461	ROUND	0.443	0.50		0.008
462	ROUND	0.447	0.50		0.006
463	ROUND	0.451	0.50		0.010
464	ROUND	0.460	0.50		0.008 0.016
465	ROUND	0.468	0.50		0.008 0.012
466	ROUND	0.472	0.50		0.008
467	ROUND	0.480	0.50		0.013
468	ROUND	0.485	0.50		0.008
469	ROUND	0.500	0.50		0.005 0.008 0.010
470	ROUND	0.512	1.25		0.008 0.014
471	ROUND	0.520	1.25		0.006 0.008
472	ROUND	0.531	1.25		0.008
473	ROUND	0.540	1.25		0.018
474	ROUND	0.550	1.25		0.008
475	ROUND	0.554	1.25		0.008
476	ROUND	0.562	1.25		0.008
477	ROUND	0.575	1.25		0.008
478	ROUND	0.578	1.25		0.012
479	ROUND	0.593	1.25		0.008
480	ROUND	0.600	1.25		
481	ROUND	0.600	1.25		0.008
482	ROUND	0.600	1.25		
483	ROUND	0.600	1.25		
484	ROUND	0.625	1.25		
485	ROUND	0.627	1.25		0.008 0.012
486	ROUND	0.631	1.25		0.008
487	ROUND	0.640	1.25		0.008
488	ROUND	0.656	1.25		0.004 0.008
489	ROUND	0.687	1.25		0.008
490	ROUND	0.703	1.25		0.012
491	ROUND	0.710	1.25		0.008
492	ROUND	0.725	1.25		0.010
493	ROUND	0.750	1.25		0.004 0.008 0.010 0.010
494	ROUND	0.781	1.25		0.008
495	ROUND	0.787	1.25		0.008
496	ROUND	0.812	1.25		0.008 0.010
497	ROUND	0.818	1.25		0.008
498	ROUND	0.830	1.25		0.008
499	ROUND	0.850	1.25		0.008 0.010
500	ROUND	0.875	1.25		0.008 0.010
501	ROUND	0.878	1.25		0.008
502	ROUND	0.890	1.25		0.008
503	ROUND	0.905	1.25		0.010
504	ROUND	0.937	1.25		0.008 0.010

ID	Shape	Dimensions	Size	Angles	Clearance
505	ROUND	0.969	1.25		0.008
506	ROUND	1.000	1.25		0.008 0.010 0.016
507	ROUND	1.010	1.25		0.008
508	ROUND	1.032	1.25		0.008
509	ROUND	1.044	1.25		0.006
510	ROUND	1.062	1.25		0.008
511	ROUND	1.074	1.25		0.006
512	ROUND	1.105	1.25		0.008
513	ROUND	1.125	1.25		0.008 0.018
514	ROUND	1.156	1.25		0.008 0.010 0.020
515	ROUND	1.178	1.25		0.008
516	ROUND	1.187	1.25		0.004 0.008
517	ROUND	1.203	1.25		0.003 0.008 0.018
518	ROUND	1.210	1.25		0.010
519	ROUND	1.250	1.25		0.008 0.010 0.016
520	ROUND	1.252	2.00		0.006
521	ROUND	1.281	2.00		0.008
522	ROUND	1.312	2.00		0.010
523	ROUND	1.343	2.00		0.008
524	ROUND	1.365	2.00		0.005
525	ROUND	1.375	2.00		0.004 0.008
526	ROUND	1.387	2.00		0.012
527	ROUND	1.413	2.00		0.004
528	ROUND	1.437	2.00		0.012
529	ROUND	1.500	2.00		0.010 0.016
530	ROUND	1.562	2.00		0.010
531	ROUND	1.610	2.00		0.008
532	ROUND	1.625	2.00		0.010
533	ROUND	1.688	2.00		0.008
534	ROUND	1.750	2.00		0.010
535	ROUND	1.800	2.00		0.008
536	ROUND	1.812	2.00		0.008
537	ROUND	1.875	2.00		0.010
538	ROUND	1.937	2.00		0.008
539	ROUND	2.000	2.00		0.003 0.008
540	ROUND	2.012	3.50		0.008 0.016
541	ROUND	2.094	3.50		0.010
542	ROUND	2.125	3.50		0.010
543	ROUND	2.156	3.50		0.008
544	ROUND	2.190	3.50		0.010
545	ROUND	2.250	3.50		0.008 0.012
546	ROUND	2.310	3.50		0.010
547	ROUND	2.375	3.50		0.025
548	ROUND	2.500	3.50		0.008 0.016
549	ROUND	2.590	3.50		0.008
550	ROUND	2.750	3.50		0.008
551	ROUND	2.812	3.50		0.010
552	ROUND	2.862	3.50		0.008
553	ROUND	3.000	3.50		0.008
554	ROUND	3.150	3.50		0.008
555	ROUND	3.188	3.50		0.021
556	ROUND	3.375	3.50		0.010
557	ROUND	3.500	3.50		0.008
558	ROUND	3.609	4.50		0.016
559	ROUND	3.609	4.50		0.016
560	ROUND	3.609	4.50		0.016

ID	Shape	Dimensions		Size	Angles				Clearance	
561	ROUND	3.609		4.50						
562	ROUND	3.750		4.50					0.008	
563	ROUND	4.112		4.50					0.008	
564	ROUND	4.125		4.50					0.010	
565	ROUND	4.380		4.50					0.008	
566	ROUND	4.444		4.50					0.004	
567	ROUND	4.500		4.50					0.008	
568	SINGLE D	0.226	0.250	1.25	0.00	90.00	180.00	270.00	0.008	
569	SINGLE D	0.292	0.316	0.50	0.00	90.00	180.00	270.00	0.008	
570	SINGLE D	0.343	0.375	0.50	0.00	90.00	180.00	270.00	0.008	
571	SINGLE D	0.355	0.390	0.50	0.00	90.00	180.00	270.00	0.012	
572	SINGLE D	0.468	0.500	0.50	0.00	90.00	180.00	270.00	0.008	
573	SINGLE D	0.478	0.506	1.25	0.00	90.00	180.00	270.00	0.008	
574	SINGLE D	0.546	0.570	1.25	0.00	90.00	180.00	270.00	0.008	
575	SINGLE D	0.555	0.580	1.25	0.00	90.00	180.00	270.00	0.008	
576	SINGLE D	0.595	0.635	1.25	0.00	90.00	180.00	270.00	0.008	
577	SINGLE D	0.670	0.700	1.25	0.00	90.00	180.00	270.00	0.010	
578	SINGLE D	0.700	0.736	1.25	0.00	90.00	180.00	270.00	0.008	
579	SINGLE D	0.704	0.769	1.25	0.00	90.00	180.00	270.00	0.008	
580	SINGLE D	0.710	0.760	1.25	0.00	90.00	180.00	270.00	0.008	
581	SINGLE D	0.728	0.760	1.25	0.00	90.00	180.00	270.00	0.008	
582	SINGLE D	0.910	1.000	1.25	0.00	90.00	180.00	270.00	0.010	
583	SINGLE D	0.950	1.032	1.25	0.00	90.00	180.00	270.00	0.008	
584	SINGLE D	1.670	1.740	2.00	0.00	90.00	180.00	270.00	0.010	
585	SQUARE	0.087		0.50	0.00	45.00			0.008	
586	SQUARE	0.125		0.50	0.00	45.00			0.008	0.012
587	SQUARE	0.140		0.50	0.00	45.00			0.008	
588	SQUARE	0.172		0.50	0.00	45.00			0.008	0.018
589	SQUARE	0.188		0.50	0.00	45.00			0.004	0.008
590	SQUARE	0.196		0.50	0.00	45.00			0.008	
591	SQUARE	0.200		0.50	0.00	45.00			0.004	0.008
592	SQUARE	0.218		0.50	0.00	45.00			0.008	
593	SQUARE	0.236		0.50	0.00	45.00			0.006	0.008 0.014 0.018
594	SQUARE	0.250		0.50	0.00	45.00			0.008	
595	SQUARE	0.250		0.50	0.00	45.00			0.008	0.012
596	SQUARE	0.250		0.50	0.00	45.00			0.008	0.012
597	SQUARE	0.260		0.50	0.00	45.00			0.008	
598	SQUARE	0.281		0.50	0.00	45.00			0.008	
599	SQUARE	0.312		0.50	0.00	90.00			0.008	0.016
600	SQUARE	0.375		1.25	0.00	45.00			0.004	0.008
601	SQUARE	0.375		1.25	0.00	45.00			0.008	
602	SQUARE	0.500		1.25	0.00	45.00			0.004	
603	SQUARE	0.500		1.25	0.00	45.00			0.008	
604	SQUARE	0.500		1.25	0.00	45.00			0.008	0.015
605	SQUARE	0.531		1.25	0.00	45.00			0.008	
606	SQUARE	0.625		1.25	0.00	45.00			0.008	0.018
607	SQUARE	0.643		1.25	0.00	90.00			0.008	
608	SQUARE	0.700		1.25	0.00	45.00			0.004	0.008
609	SQUARE	0.750		1.25	0.00	45.00			0.008	0.010 0.018 0.020
610	SQUARE	0.875		1.25	0.00	45.00			0.008	
611	SQUARE	0.875		1.25	0.00	45.00			0.008	0.014
612	SQUARE	1.000		2.00	0.00	45.00			0.008	
613	SQUARE	1.000		2.00	0.00	45.00			0.010	
614	SQUARE	1.200		2.00	0.00	45.00			0.006	0.018
615	SQUARE	1.250		2.00	0.00	45.00			0.010	
616	SQUARE	1.500		3.50	0.00	45.00			0.008	
617	SQUARE	2.000		3.50	0.00	45.00			0.008	
618	SQUARE	2.000		3.50	0.00	45.00			0.008	0.018