

**G L Manufacturing and Sales, Inc.**  
**701 South 32nd Street**  
**Richmond, CA 94804**  
**Ph: (510)235-2778 Fax: (510)236-3133**

**OVAL TOOLS**

.079 X .500	.140 X .500	.187 x .312	.250 X .375	.312 X .625
.091 X .170	.144 X .500	.187 X .375	.250 X .437	.312 X .750
.094 X .300	.156 X .200	.187 X .500	.250 X .500	.328 X .750
.094 X 1.187	.156 X .218	.187 X .625	.250 X .625	.344 X .625
.106 X .356	.156 X .312	.187 X .750	.250 X .750	.375 X .500
.109 X .187	.156 X .375	.187 X 1.00	.250 X 1.00	.375 X .625
.125 X .250	.156 X .500	.190 X 2.00	.250 X 1.13	.375 X .750
.125 X .312	.156 X .660	.196 X .500	.265 X .375	.375 X 1.00
.125 X .375	.156 X .750	.203 X .375	.265 X .625	.400 X .880
.125 X .437	.156 X 2.00	.203 X 1.00	.270 X 1.00	.437 X .625
.125 X .500	.160 X .410	.203 X 1.20	.281 X .375	.437 X 1.00
.125 X .625	.166 X .375	.205 X .455	.281 X .406	.460 X .520
.125 X .750	.166 X 1.00	.218 X .312	.281 X .437	.460 X .580
.125 X 1.00	.171 X .250	.218 X .375	.281 X .500	.500 X .750
.125 X 1.25	.172 X .300	.218 X .500	.281 X .625	.500 X 1.50
.125 X 1.50	.171 X .375	.218 X .562	.281 X .750	.500 X 3.00
.130 X .635	.171 X .490	.218 X .625	.290 X 1.61	.580 X 1.345
.140 X .250	.176 X .225	.218 X .750	.312 X .375	.750 X 1.25
.140 X .312	.187 X .250	.239 X 1.080	.312 X .437	.750 X 2.00
.140 X .350	.187 X .281	.250 X .312	.312 X .500	.750 X 3.00
.140 x .375		.250 X .350		

**ROUND TOOLS**

.065	.343	1.200
.076	.360	1.218
.089	.375	1.250
.096	.390	1.281
.100	.406	1.312
.106	.421	1.350
.109	.425	1.375
.113	.437	1.406
.116	.442	1.437
.125	.468	1.500
.130	.486	1.562
.136	.500	1.625
.140	.515	1.687
.149	.531	1.700
.156	.562	1.750
.166	.593	1.812
.171	.600	1.875
.177	.615	1.940
.185	.625	2.000
.187	.641	2.015
.189	.656	2.062
.192	.687	2.125
.193	.712	2.187
.203	.733	2.250
.213	.750	2.270
.218	.812	2.312
.221	.850	2.375
.234	.875	2.437
.250	.890	2.500
.255	.906	2.562
.265	.937	2.625
.281	1.000	2.687
.290	1.032	2.750
.296	1.062	2.812
.312	1.125	2.906
.318	1.136	3.000
.328	1.156	3.125
.330	1.187	

**RECTANGLE TOOLS**

.062 X .250	.187 X .312	.312 X .413	.450 X .630	.600 X .720
.062 X .375	.187 X .500	.312 X .750	.470 X .590	.607 X .615
.062 X .500	.187 X .750	.320 X .750	.480 X 1.060	.610 X .754
.062 X .800	.189 X .520	.350 X 1.000	.500 X .550	.625 X .675
.075 X 1.25	.200 X 1.12	.371 X 1.121	.500 X .665	.630 X .680
.100 X .219	.219 X .313	.375 X .718	.500 X 1.000	.638 X 1.000
.100 X 1.50	.250 X .375	.375 X .831	.500 X 2.000	.655 X 2.000
.104 X .550	.250 X .500	.375 X 1.000	.505 X .550	.700 X 2.500
.125 X .450	.250 X .750	.375 X 1.125	.512 X .770	.750 X 1.000
.125 X .700	.250 X 1.000	.400 X .506	.514 X 1.000	.780 X 1.860
.125 X 1.00	.250 X 1.500	.400 X 1.830	.520 X .540	.790 X 2.040
.130 x .635	.260 X .760	.400 X 1.830	.525 X .620	.830 X .880
.150 X .300	.260 X .785	.413 X 1.300	.530 X 1.100	1.075 X 2.600
.158 X .230	.265 X .312	.420 X 1.080	.550 X .650	1.265 X 2.900
.158 X .378	.281 X 1.038	.437 X .795	.550 X .800	1.400 X 3.200
.170 X 1.410	.300 X 2.380	.450 X .580	.550 X 1.125	1.560 X 2.375

### SQUARE TOOLS

.176 X .176 x 45°	.375 X .375				
.187 X .187	.400 X .400	.563 X .563	.710 X .710	.875 X .875	1.050 X 1.050
.250 X .250	.437 X .437	.625 X .625	.750 X .750	.900 X .900	1.062 X 1.062 (D)
.312 X .312	.480 X .480	.636 X .636 x 45°	.760 X .760	.953 X .953	1.250 X 1.250 (D)
.312 X .312 x 45°	.500 X .500	.650 X .650	.810 X .810	.970 X .970	1.750 X 1.750 (E)
.320 X .320	.531 X .531	.688 X .688	.855 x .855	1.00 x 1.00 x 45°	2.000 X 2.000 (F)

### "(D) STYLE TOOLS

.316 X .286 "D"	.508 X .473 "D"
.380 X .350 "D"	.625 X .580 "D"
.406 X .365 "D"	.750 X .655 "D"
.440 X .410 "D"	1.010 X .860 "D"
.500 X .470 "D"	1.032 X .875 "D"
.500 X .485 "D"	1.156 X 1.078 "D"

### DOUBLE "D" TOOLS

.234 X .130 DD	.475 X .445 DD	.656 X .550 DD
.250 X .220 DD	.500 x .430 DD	.687 X .640 DD
.251 X .208 DD	.500 X .461 DD	.750 X .630 DD
.280 X .220 DD	.562 x .530 DD	.750 X .680 DD
.312 X .250 DD	.625 X .550 DD	.875 X .775 DD
.320 X .280 DD	.625 X .570 DD	1.156 X 1.00 DD
.375 X .336 DD		1.380 X 1.13 DD

### SPECIALS

.062 X .500 @ 10° RECTANGLE	60° x 90° kite style #31 w/ 1" 60° legs
.062 X .500 @ 15° RECTANGLE	.242 x .867 (250 x .875) BLANKING OVAL
.062 X .800 @ 30° RECTANGLE	.635 X .635 HEXAGON
.062 X .800 @ 45° RECTANGLE	.693 X .693 HEXAGON
.140 X .500 @ 30° RECTANGLE	.765 X .765 HEXAGON
.125 RADIUS w/ .375 legs	2.375 X 2.125 HEXAGON (F)
.354 X .710 W/ .125(R) 4 CORNERS	.500 X 2.000 BLANKING (E)
.371 X 1.120 W/ .060?(R) 4 CORNERS (CC)	.700 X 2.500 BLANKING (F)
.500 X 1.674 W/ .132(R) 4 CORNERS (D)	.550 X 1.230 X 8° BLANKING (CC)
.500 X 1.750 W/ .125(R) 4 CORNERS (E)	.410 X .410 BLANKING GUSSET
.520 X 1.000 W/ .062(R) 4 CORNERS (CC)	.300 X 2.380 W/ 1/8 SHEAR (E)
.530 X .960 W/ .125(R) 4 CORNERS (CC)	PMT SPECIAL RECT. OVER RECT. (E)
.560 X 1.000 W/ .125(R) 4 CORNERS(CC)	.649 X .400 X .209 KEYHOLE
.875 X 1.187 W/ .125(R) 4 CORNERS (CC)	.745 X .700 X .125 KEY WAY
.880 X 1.200 W/ .190(R) 4 CORNERS (CC)	.996 X .078 X .218 TEARDROP
1.000 X 1.000 W/ .109(R) 4 CORNERS (CC)	.900 X 60deg. DIAMOND @ 350°
1.000 X 1.300 W/ .125(R) 4 CORNERS ( C )	.900 X 60deg. DIAMOND @ 30°
1.060 X 1.060 W/ .090(R) 2 CORNERS @ 45° ( C )	.900 X 60deg. DIAMOND
1.095 X 1.245 W/ .090(R) 4 CORNERS (D)	.350 x .720 #4 RECEPTACLE (+)
1.130 X 1.130 W/ .032(R) 4 CORNERS (D)	.636 X .636 KEYED 0° & 45°
1.152 X 1.270 W/ .090(R) 4 CORNERS (D)	1.000 X 1.000 KEYED 0° & 45° (CC)
1.300 X 1.300 W/ .125(R) 4 CORNERS (D STA)	.208 X .251 "DD" KEYED 67°30'
1.412 X 1.500 W/ .250(R) 4 CORNERS (D)	.290 X 1.610 OVAL .005 CL BLANKING (D)
.450 X .806 W/ .090(R) PIN CONNECTOR	.232 X .987 RECT/OVAL
.449 X .806 W/ .132(R) PIN CONNECTOR	.500 X .750 KNOCK OUT (D)
.449 X 1.134 W/ .132(R) PIN CONNECTOR ( C )	1.611 x 2.700 SPECIAL CHEVRON (F)
.449 X 1.134 W/ .156(R) PIN CONNECTOR ( C )	.217 X .429 SPECIAL CONNECTOR (stacked rect.)
.449 X 1.674 W/ .062(R) PIN CONNECTOR (D)	.217 X .547 SPECIAL CONNECTOR (stacked rect.)
.555 X .906 W/ .125(R) PIN CONNECTOR	.217 X .665 SPECIAL CONNECTOR (stacked rect.)
.281 X .400 OVAL @ 110°	.291 X .756 SPECIAL CONNECTOR (stacked rect.)
.281 X .400 OVAL @ 70°	.291 X 1.086 SPECIAL CONNECTOR (stacked rect.)
.456 x .921 Special 6-8-06	