

1/2" STATION THICK TURRET TOOLING		((RECTANGLES))	
PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.035 X .155 RT	----- .006 .012	.115 X .365 RT	----- .006 .012
.035 X .250 RT	----- .006 .012	.118 X .210 RT	----- .006 .012
.035 X .350 RT	----- .006 .012	.119 X .313 RT	----- .006 .012
.039 X .197 RT	----- .006 .012	.120 X .220 RT	----- .006 .012
.040 X .375 RT	----- .006 .012	.125 X .220 RT	----- .006 .012
.045 X .115 RT	----- .006 .012	.125 X .250 RT	----- .006 .012
.049 X .250 RT	----- .006 .012	.125 X .276 RT	----- .006 .012
.050 X .207 RT	----- .006 .012	.125 X .290 RT	----- .006 .012
.050 X .270 RT	----- .006 .012	.125 X .300 RT	----- .006 .012
.050 X .300 RT	----- .006 .012	.125 X .320 RT	----- .006 .012
.050 X .500 RT	----- .006 .012	.125 X .350 RT	----- .006 .012
.053 X .140 RT	----- .006 .012	.125 X .375 RT	----- .006 .012
.055 X .300 RT	----- .006 .012	.125 X .380 RT	----- .006 .012
.057 X .217 RT	----- .006 .012	.125 X .437 RT	----- .006 .012
.060 X .145 RT	----- .006 .012	.125 X .500 RT	----- .004 .006 .012
.060 X .200 RT	----- .006 .012	.130 X .173 RT	----- .006 .012
.060 X .250 RT	----- .006 .012	.130 X .270 RT	----- .006 .012
.060 X .500 RT	----- .006 .012	.136 X .360 RT	----- .006 .010 .012
.062 X .185 RT	----- .006 .012	.139 X .155 RT	----- .006 .012
.062 X .200 RT	----- .006 .012	.140 X .220 RT	----- .006 .012
.062 X .250 RT	----- .006 .012	.142 X .375 RT	----- .006 .012
.063 X .125 RT	----- .006 .012	.145 X .350 RT	----- .006 .012
.063 X .365 RT	----- .006 .012	.147 X .167 RT	----- .006 .012
.063 X .375 RT	----- .006 .012	.150 X .375 RT	----- .006 .012
.063 X .395 RT	----- .004 .006	.150 X .400 RT	----- .006 .012
.065 X .130 RT	----- .006 .012	.155 X .235 RT	----- .006 .012
.065 X .250 RT	----- .006 .012	.156 X .312 RT	----- .006 .012
.065 X .350 RT	----- .006 .012	.159 X .369 RT	----- .006
.069 X .130 RT	----- .006 .012	.160 X .350 RT	----- .006 .012
.069 X .315 RT	----- .006 .012	.165 X .315 RT	----- .006 .012
.070 X .252 RT	----- .006 .012	.170 X .280 RT	----- .006 .012
.070 X .275 RT	----- .006 .012	.172 X .270 RT	----- .006 .012
.070 X .410 RT	----- .006 .012	.175 X .350 RT	----- .006 .012
.074 X .350 RT	----- .006 .012	.180 X .320 RT	----- .006 .012
.075 X .250 RT	----- .006 .012	.185 X .285 RT	----- .006 .012
.078 X .280 RT	----- .006 .012	.185 X .340 RT	----- .006 .012
.079 X .189 RT	----- .006 .012	.187 X .312 RT	----- .006 .012
.079 X .197 RT	----- .006 .012	.195 X .266 RT	----- .006 .012
.079 X .250 RT	----- .006 .012	.195 X .285 RT	----- .006 .012
.087 X .155 RT	----- .006 .012	.200 X .320 RT	----- .006 .012
.090 X .207 RT	----- .006 .012	.200 X .375 RT	----- .006 .012
.090 X .250 RT	----- .006 .012	.200 X .400 RT	----- .006 .012
.090 X .395 RT	----- .006 .012	.205 X .250 RT	----- .006 .012
.094 X .252 RT	----- .006 .012	.206 X .312 RT	----- .012
.094 X .500 RT	----- .006 .012	.210 X .350 RT	----- .006 .012
.095 X .140 RT	----- .006 .012	.212 X .305 RT	----- .006 .012
.095 X .187 RT	----- .006	.217 X .374 RT	----- .006 .012
.098 X .150 RT	----- .006 .012	.233 X .300 RT	----- .006 .012
.100 X .200 RT	----- .006 .012	.240 X .420 RT	---.059 RC ---.006 .012
.100 X .260 RT	----- .006 .012	.262 X .311 RT	----- .006 .012
.100 X .290 RT	----- .006 .012	.270 X .400 RT	----- .006 .012
.100 X .300 RT	----- .006 .012	.270 X .420 RT	----- .006 .012
.102 X .303 RT	----- .006 .012	.289 X .430 RT	---.032 RC ---.006 .012
.103 X .140 RT	----- .006 .012	.291 X .350 RT	----- .006 .012
.105 X .131 RT	----- .006 .012	.313 X .386 RT	----- .006 .012
.110 X .210 RT	----- .006 .012		
.110 X .297 RT	----- .006 .012		
.114 X .480 RT	----- .006 .012		
1 1/4" STATION THICK TURRET TOOLING		((RECTANGLES))	
PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.035 X .250 RT	----- .006 .012	.156 X .500 RT	----- .006 .012
.040 X .510 RT	----- .006 .012	.156 X .620 RT	----- .006 .012

.050 X .500 RT ----- .006 .012	.156 X .675 RT ----- .006 .012
.050 X .540 RT ----- .006 .012	.156 X .750 RT ----- .006 .012
.053 X .140 RT ----- .006 .012	.156 X 1.030 RT ----- .006 .012
.053 X .250 RT ----- .006 .012	.160 X .810 RT ----- .006 .012
.050 X .500 RT ----- .006 .012	.160 X 1.020 RT ----- .006 .012
.050 X .540 RT ----- .006 .012	.165 X .670 RT ----- .006 .012
.055 X .625 RT ----- .006 .012	.170 X .280 RT ----- .006 .012
.060 X 1.000 RT ----- .006 .012	.172 X .270 RT ----- .006 .012
.060 X .500 RT ----- .006 .012	.175 X .350 RT ----- .006 .012
.060 X .600 RT ----- .006 .012	.187 X .500 RT ----- .006 .012 .024
.062 X .750 RT ----- .006 .012	.187 X .520 RT ----- .006 .012
.063 X .395 RT ----- .006 .012	.187 X 1.000 RT ----- .006 .012 .018
.064 X .950 RT ----- .006 .012	.188 X .625 RT ----- .006 .012
.065 X .130 RT ----- .006 .012	.195 X .765 RT ----- .006 .012
.065 X .500 RT ----- .006 .012	.195 X .795 RT ----- .006 .012
.069 X .315 RT ----- .006 .012	.195 X .800 RT ----- .006 .012 .018 .024
.070 X .120 RT ----- .006 .012	.200 X .375 RT ----- .006 .012
.070 X .500 RT ----- .006 .012	.200 X .550 RT ----- .004.006.012.016.024
.070 X .510 RT ----- .006 .012	.200 X .750 RT ----- .006 .012
.070 X 1.000 RT ----- .006 .012	.200 X .850 RT ----- .006 .012
.074 X .290 RT ----- .006 .012	.203 X .600 RT ----- .006 .012
.079 X .300 RT ----- .006 .012	.210 X .420 RT ----- .006 .012
.079 X .500 RT ----- .006 .012	.210 X .540 RT ----- .006 .012
.079 X 1.000 RT ----- .006 .012	.219 X .313 RT ----- .006 .012
.080 X .500 RT ----- .006 .012	.220 X .580 RT ----- .006 .012
.080 X .530 RT ----- .006 .012	.220 X .850 RT ----- .006 .012
.080 X 1.000 RT ----- .006 .012	.225 X .830 RT ----- .006 .012
.084 X .813 RT ----- .006 .012	.235 X .500 RT ----- .006 .012
.087 X .432 RT ----- .006 .012	.236 X .669 RT ----- .006 .012
.090 X .350 RT ----- .006 .012	.245 X .750 RT ----- .006 .012
.090 X .395 RT ----- .006 .012	.250 X .500 RT ----- .006 .012 .018 .024
.090 X .560 RT ----- .006 .012	.250 X .650 RT ----- .006 .012
.090 X .750 RT ----- .006 .012	.250 X .700 RT ----- .006 .012
.094 X .500 RT ----- .006 .012	.250 X .700 RT -- .015 RC -- .006 .012
.095 X .140 RT ----- .006 .012	.250 X .750 RT ----- .006 .012 .018 .024
.100 X 1.200 RT ----- .006 .012	.250 X .800 RT ----- .006 .012 .018 .024
.102 X .303 RT ----- .006 .012	.250 X 1.000 RT ----- .004.006.012.018.024
.102 X 1.200 RT ----- .006 .012	.260 X .657 RT ----- .006 .012
.110 X 1.000 RT ----- .006 .012	.265 X .750 RT ----- .006 .012
.120 X .220 RT ----- .006 .012	.270 X .488 RT ----- .006 .012
.120 X .620 RT ----- .006 .012	.270 X .575 RT ----- .006 .012
.125 X .250 RT ----- .006 .012	.275 X .509 RT ----- .006 .012
.125 X .350 RT ----- .006 .012	.276 X .750 RT ----- .006 .012
.125 X .625 RT ----- .006 .012	.276 X 1.200 RT ----- .006 .012
.125 X .500 RT ----- .006 .012	.289 X .430 RT -- .032 RC -- .006 .012
.125 X .750 RT ----- .006 .012 .018 .024	.292 X .542 RT ----- .006 .012
.125 X .984 RT ----- .006 .012	.300 X .500 RT ----- .006 .012
.125 X 1.000 RT ----- .006 .012 .018 .024	.300 X .550 RT ----- .006 .012
.125 X 1.100 RT ----- .006 .012	.300 X .600 RT ----- .006 .012
.125 X 1.244 RT ----- .004 .006 .012 .018	.300 X .800 RT ----- .006 .012
.130 X .620 RT ----- .006 .012	.304 X .845 RT ----- .006 .012
.136 X .360 RT ----- .012	.305 X .524 RT -- .032 RC -- .006 .012
.138 X .681 RT ----- .006 .012	.309 X .899 RT ----- .006 .012
.141 X .724 RT ----- .006 .012	.310 X .790 RT ----- .006 .012
.145 X 1.000 RT ----- .006 .012	.312 X .594 RT ----- .006 .012 .024
.150 X .340 RT ----- .006 .012	.312 X .750 RT ----- .006 .012
.150 X .400 RT ----- .006 .012	.312 X .800 RT ----- .006 .012
.150 X .625 RT ----- .006 .012	.312 X .800 RT -- .063 RC -- .006 .012
.150 X 1.150 RT ----- .006 .012	.312 X 1.000 RT ----- .006 .012 .024
.156 X .312 RT ----- .006 .012	.313 X .787 RT ----- .006 .012

1 1/4" STATION THICK TURRET TOOLING		((RECTANGLES))	
PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.315 X .433 RT	----- .006 .012	.448 X .840 RT	-- .075 RC -- .006 .012
.315 X .515 RT	----- .006 .012	.449 X .528 RT	----- .006 .012
.315 X .645 RT	----- .006 .012	.449 X 1.134 RT	-- .125 RC -- .006 .012
.315 X .905 RT	----- .006 .012	.450 X .790 RT	----- .006 .012
.320 X .450 RT	----- .012 .018	.450 X 1.000 RT	----- .006 .012
.330 X .570 RT	----- .006 .012	.453 X 1.000 RT	----- .006 .012
.340 X .620 RT	----- .006 .012 .024	.472 X .591 RT	----- .006 .012
.344 X .400 RT	----- .006 .012	.480 X .669 RT	-- .078 RC -- .006 .012
.348 X .781 RT	----- .006 .012	.480 X 1.080 RT	----- .006 .012
.350 X .551 RT	----- .006 .012 .024	.480 X 1.090 RT	----- .006 .012
.350 X .660 RT	----- .006 .012	.488 X .880 RT	-- .095 RC -- .006 .012
.350 X 1.000 RT	----- .006 .012	.492 X 1.098 RT	----- .006 .012
.354 X .512 RT	----- .006 .012	.500 X .625 RT	----- .006 .012
.354 X .610 RT	----- .006 .012	.500 X .625 RT	-- .125 RC -- .006 .012
.354 X .749 RT	----- .006 .012	.500 X .700 RT	----- .006 .012
.358 X .559 RT	----- .006 .012	.500 X 1.000 RT	----- .006 .012 .024
.364 X .614 RT	----- .006 .012	.500 X 1.000 RT	-- .125 RC -- .006 .012
.364 X .864 RT	----- .006 .012	.500 X 1.100 RT	----- .006 .012 .024
.370 X .509 RT	----- .006 .012	.503 X .758 RT	----- .006 .012
.370 X .528 RT	----- .006 .012	.508 X .756 RT	----- .006 .012
.370 X .750 RT	----- .006 .012	.510 X .762 RT	----- .006 .012
.375 X .500 RT	----- .006 .012 .024	.515 X .750 RT	----- .006 .012
.375 X .510 RT	----- .006 .012 .024	.515 X .968 RT	----- .006 .012
.375 X 1.000 RT	----- .006 .012 .024	.520 X .664 RT	-- .060 RC -- .006 .012
.378 X .800 RT	----- .006 .012	.520 X .709 RT	----- .006 .012
.380 X .490 RT	-- .095 RC -- .006 .012	.520 X .750 RT	----- .006 .012
.380 X .902 RT	----- .006 .012	.527 X .554 RT	----- .006 .012
.380 X 1.109 RT	-- .095 RC -- .006 .012	.528 X .850 RT	----- .006 .012
.384 X .521 RT	----- .006 .012	.529 X .650 RT	-- .032 RC -- .006 .012
.390 X .500 RT	-- .095 RC -- .006 .012	.532 X .575 RT	----- .006 .012
.390 X .520 RT	----- .006 .012	.532 X .750 RT	----- .006 .012
.390 X 1.040 RT	----- .006 .012	.540 X .620 RT	----- .006 .012
.393 X 1.070 RT	-- .070 RC -- .006 .012	.540 X .800 RT	----- .006 .012
.394 X .551 RT	----- .006 .012	.550 X 1.016 RT	----- .006 .012
.394 X .694 RT	----- .006 .012	.551 X .630 RT	----- .006 .012
.394 X 1.063 RT	----- .006 .012	.551 X .787 RT	----- .006 .012
.394 X 1.194 RT	-- .130 RC -- .006 .012	.560 X .640 RT	----- .006 .012
.395 X .965 RT	-- .060 RC -- .006 .012	.562 X .925 RT	----- .006 .012
.398 X .598 RT	-- .091 RC -- .006 .012	.573 X .850 RT	----- .006 .012
.398 X 1.185 RT	-- .091 RC -- .006 .012	.575 X .654 RT	-- .078 RC -- .012
.400 X .500 RT	----- .006 .012	.575 X .660 RT	----- .006 .012
.400 X .625 RT	----- .006 .012	.580 X 1.000 RT	----- .006 .012
.400 X .734 RT	-- .060 RC -- .006 .012	.594 X .688 RT	----- .006 .012
.405 X .600 RT	----- .006 .012 .024	.594 X .937 RT	-- .125 RC -- .006 .012
.406 X .500 RT	----- .004 .006 .012 .016 .024	.600 X .800 RT	-- .060 RC -- .006 .012
.406 X .540 RT	----- .006 .012	.600 X .866 RT	----- .006 .012
.406 X .875 RT	----- .006 .012	.606 X 1.000 RT	----- .006 .012
.406 X 1.000 RT	----- .006 .012	.620 X .866 RT	----- .006 .012
.409 X .709 RT	----- .006 .012	.625 X .750 RT	----- .006 .012
.413 X .571 RT	----- .006 .012	.625 X 1.000 RT	----- .006 .012 .024
.425 X .710 RT	----- .006 .012	.640 X .750 RT	----- .006 .012
.425 X 1.100 RT	----- .006 .012	.650 X .850 RT	----- .006 .012
.430 X .935 RT	-- .094 RC -- .006 .012	.660 X .765 RT	----- .006 .012
.433 X .591 RT	-- .098 RC -- .006 .012	.684 X .860 RT	----- .006 .012
.433 X .630 RT	----- .006 .012	.689 X 1.000 RT	----- .006 .012
.435 X .670 RT	----- .006 .012	.698 X 1.000 RT	----- .006 .012
.437 X .563 RT	----- .006 .012	.709 X .866 RT	----- .006 .012
.437 X .625 RT	----- .006 .012	.750 X .875 RT	----- .006 .012
.437 X .638 RT	-- .093 RC -- .006 .012	.750 X 1.000 RT	----- .006 .012 .024
.440 X .625 RT	----- .006 .012	.775 X .925 RT	----- .006 .012
.440 X .810 RT	----- .006 .012	.798 X .880 RT	-- .095 RC -- .006 .012
.440 X .920 RT	----- .006 .012		

2 " STATION THICK TURRET TOOLING ((RECTANGLES))

PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.100 X 1.500 RT	----- .010	.650 X 1.270 RT	----- .012
.250 X 1.250 RT	----- .012	.650 X 1.813 RT	----- .006 .012
.250 X 1.585 RT	----- .006 .012	.683 X 1.140 RT	----- .006 .012
.250 X 1.800 RT	----- .006 .012 .018	.683 X 1.678 RT	----- .006 .012
.265 X 1.750 RT	----- .012	.700 X 1.500 RT	---.060RC---.006 .012
.281 X 1.421 RT	----- .006 .012	.770 X 1.000 RT	----- .006 .012
.350 X 1.400 RT	----- .006	.787 X 1.575 RT	----- .006 .012
.332 X 1.312 RT	---.063RC---.006 .012	.799 X 1.051 RT	---.079RC---.006
.350 X 1.400 RT	----- .006 .012	.800 X 1.080 RT	----- .006 .012
.375 X 1.875 RT	----- .006 .012	.866 X 1.210 RT	----- .012
.390 X 1.384 RT	----- .006 .012	.866 x 1.250 RT	----- .012
.410 X 1.260 RT	----- .006 .012	.870 X 1.100 RT	----- .006 .012
.425 X 1.875 RT	----- .006 .012	.871 X 1.194 RT	----- .006 .012
.437 X 1.780 RT	----- .006 .012	.875 x 1.020 RT	----- .006 .012
.450 X 1.250 RT	----- .006 .012	.895 X 1.195 RT	---.250RC---.006 .012
.450 X 1.670 RT	---.125RC---.006 .012	.900 X 1.125 RT	----- .006 .012
.506 X 1.202 RT	----- .006 .012	.915 X 1.115 RT	----- .006 .012
.508 X 1.700 RT	----- .006 .012	1.000 X 1.255 RT	----- .006 .012
.540 X 1.320 RT	----- .006 .012	1.063 X 1.563 RT	----- .012
.580 X 1.600 RT	----- .006 .012	1.080 X 1.140 RT	---.258RC---.006 .012
.594 X 1.531 RT	----- .012	1.100 X 1.300 RT	----- .006 .010 .012
.625 X 1.320 RT	----- .012	1.100 X 1.600 RT	-----BLANKING
.625 X 1.700 RT	----- .006 .012	1.105 x 1.615 RT	----- .010
.650 X 1.080 RT	----- .006 .012		

3 1/2 " STATION THICK TURRET TOOLING ((RECTANGLES))

PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.094 X 2.364 RT	----- .006	.550 X 2.580 RT	----- .006 .012
.125 X 2.000 RT	----- .012	.555 X 2.355 RT	----- .010
.125 X 3.000 RT	----- .012	.625 X 3.000 RT	----- .012
.140 X 2.630 RT	----- .006 .012	.635 X 2.500 RT	----- .006 .012
.250 X 2.000 RT	----- .006 .008 .012	.635 X 2.510 RT	----- .008
.250 X 3.000 RT	----- .006 .008 .012	.750 X 2.800 RT	----- .008 .012
.250 X 3.490 RT	----- .006 .008 .012	.926 X 3.000 RT	----- .006 .012
.268 X 3.000 RT	----- .010	.990 X 2.990 RT	---.060RC---.012
.285 X 2.000 RT	----- .006 .012	1.025 X 3.000 RT	----- .006 .012
.300 X 1.900 RT	----- .006 .012	1.055 X 2.250 RT	----- .012
.350 X 3.000 RT	----- .006 .012	1.285 X 2.000 RT	----- .012 .018
.384 X 3.000 RT	----- .012	1.350 X 1.600 RT	----- .012
.406 X 2.760 RT	----- .006 .012	1.379 X 2.600 RT	----- .006 .010 .012
.490 X 2.990 RT	---.055RC---	1.440 X 1.600 RT	----- .012
.500 X 2.100 RT	----- .006 .012	1.680 X 2.100 RT	----- .012
.540 X 2.195 RT	----- .006 .010	2.580 X 2.645 RT	----- .012

4 1/2 " STATION THICK TURRET TOOLING ((RECTANGLES))

PUNCH SIZE	DIE CLEARANCES	PUNCH SIZE	DIE CLEARANCES
.250 X 4.000 RT	----- .006 .012 .018 .024	.635 X 3.735 RT	----- .008
.406 X 3.740 RT	----- .012	.775 X 3.750 RT	----- .006 .012
.500 X 2.000 RT	---.063RC---.010	1.680 X 2.825 RT	----- .012
.625 X 4.000 RT	----- .012	1.680 X 3.100 RT	----- .010
.635 X 3.700 RT	----- .008	2.580 X 2.645 RT	----- .012
.635 X 3.710 RT	----- .008		