

| Tool Type | Dimensions | Station Size | Angles | Die Clearance |
|------------------|-------------------|---------------------|--------------------------|----------------------|
| DOUBLE D | 0.115x 0.154 | 0.5 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.130x 0.161 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.130x 0.232 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.202x 0.262 | 0.5 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.205x 0.250 | 0.5 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.214x 0.262 | 0.5 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.220x 0.255 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.250x 0.344 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| DOUBLE D | 0.295x 0.406 | 1.25 | 0.00 90.00 180.00 270.00 | 0.02 |
| DOUBLE D | 0.315x 0.379 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.315x 0.385 | 0.5 | 0.00 90.00 | 0.008 |
| DOUBLE D | 0.330x 0.354 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.340x 0.380 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.390x 0.437 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.390x 0.437 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.390x 0.500 | 0.5 | 0.00 90.00 | 0.014 |
| DOUBLE D | 0.390x 0.505 | 1.25 | 0.00 90.00 | 0.004 |
| DOUBLE D | 0.420x 0.470 | 1 | 0.00 90.00 | 0.024 |
| DOUBLE D | 0.420x 0.472 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.450x 0.500 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.461x 0.504 | 1.25 | 0.00 90.00 | 0.018 |
| DOUBLE D | 0.465x 0.500 | 1.25 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.465x 0.500 | 1.5 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.468x 0.516 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.475x 0.515 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.500x 0.562 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.505x 0.625 | 1.25 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.510x 0.750 | 1.25 | 0.00 90.00 | 0.02 |
| DOUBLE D | 0.532x 0.625 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.536x 0.609 | 1.25 | 0.00 90.00 | 0.008 |
| DOUBLE D | 0.540x 0.600 | 1.25 | 0.00 90.00 | 0.008 |
| DOUBLE D | 0.540x 0.636 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.540x 0.640 | 1 | 0.00 90.00 | 0.01 |

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| DOUBLE D | 0.540x 0.880 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.550x 0.625 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.551x 0.645 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| DOUBLE D | 0.570x 0.625 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.630x 0.750 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.645x 0.760 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.655x 0.770 | 1.25 | 0.00 90.00 | |
| DOUBLE D | 0.697x 0.750 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.712x 0.766 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.750x 0.840 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.760x 0.875 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.768x 0.800 | 1 | 0.00 90.00 | 0.012 |
| DOUBLE D | 0.790x 0.875 | 1.25 | 0.00 90.00 | 0.022 |
| DOUBLE D | 0.812x 0.875 | 1 | 0.00 90.00 | 0.006 |
| DOUBLE D | 0.815x 0.875 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 0.835x 0.886 | 1 | 0.00 90.00 | 0.018 |
| DOUBLE D | 0.840x 0.875 | 1 | 0.00 90.00 | 0.01 |
| DOUBLE D | 1.000x 1.187 | 1.5 | 0.00 90.00 | 0.01 |
| DOUBLE D | 1.084x 1.250 | 1.5 | 0.00 90.00 | |
| DOUBLE D | 1.141x 1.340 | 1.5 | 0.00 90.00 | 0.012 |
| DOUBLE D | 1.200x 1.400 | 1.5 | 0.00 90.00 | 0.012 |

| Tool Type | Dimensions | Station Size | Angles | Die Clearance |
|-----------|--------------|--------------|--------------------------|---------------|
| OBROUND | 0.012x 0.016 | 0.5 | 0.00 90.00 180.00 270.00 | 0.001 |
| OBROUND | 0.035x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 006 0.012 |
| OBROUND | 0.062x 0.250 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.062x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.062x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.062x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.063x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.072x 0.702 | 1.25 | 0.00 90.00 | 0.008 |
| OBROUND | 0.072x 0.815 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.090x 0.140 | 1 | 0.00 90.00 180.00 270.00 | 0.004 |
| OBROUND | 0.090x 0.180 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.093x 0.250 | 0.5 | 0.00 90.00 | 0.008 |
| OBROUND | 0.093x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.093x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.093x 0.812 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.093x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.093x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.093x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | |
| OBROUND | 0.093x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.02 |
| OBROUND | 0.093x 1.125 | 1.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.100x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.109x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 006 0.012 |
| OBROUND | 0.109x 0.380 | 1 | 0.00 90.00 180.00 270.00 | 0.004 |
| OBROUND | 0.109x 0.531 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.120x 0.218 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.120x 0.300 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.120x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.125x 0.187 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.125x 0.250 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.125x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.125x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.125x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.125x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |

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|---------|--------------|------|--------------------------|-----------|
| OBROUND | 0.125x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.125x 0.875 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.125x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.125x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.125x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.125x 1.125 | 1.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.125x 1.250 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.125x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.125x 1.500 | 2 | 0.00 90.00 180.00 270.00 | |
| OBROUND | 0.130x 0.160 | 0.5 | 0.00 90.00 | 0.018 |
| OBROUND | 0.130x 0.200 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.130x 2.250 | 3.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.136x 0.200 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.138x 0.295 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.140x 0.250 | 0.5 | 0.00 90.00 | 018 0.010 |
| OBROUND | 0.140x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 010 0.036 |
| OBROUND | 0.140x 0.440 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.140x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.142x 0.184 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.144x 0.210 | 0.5 | 0.00 90.00 | 0.012 |
| OBROUND | 0.146x 0.196 | 0.5 | 0.00 90.00 | 0.012 |
| OBROUND | 0.150x 0.266 | 0.5 | 0.00 90.00 180.00 270.00 | 0.014 |
| OBROUND | 0.150x 0.300 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.150x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 008 0.012 |
| OBROUND | 0.155x 0.265 | 0.5 | 0.00 90.00 | 0.004 |
| OBROUND | 0.156x 0.187 | 1 | 0.00 90.00 | 0.012 |
| OBROUND | 0.156x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.156x 0.281 | 0.5 | 0.00 90.00 | |
| OBROUND | 0.156x 0.281 | 1.25 | 0.00 90.00 | |
| OBROUND | 0.156x 0.281 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.156x 0.312 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.156x 0.390 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.156x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.156x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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|---------|--------------|------|--------------------------|-----------|
| OBROUND | 0.160x 0.210 | 1 | 0.00 90.00 180.00 270.00 | 008 0.010 |
| OBROUND | 0.160x 0.262 | 0.5 | 0.00 90.00 | 0.012 |
| OBROUND | 0.160x 0.330 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.160x 0.380 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.160x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.160x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.170x 0.220 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| OBROUND | 0.170x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.02 |
| OBROUND | 0.171x 0.203 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.171x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.171x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.171x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.174x 0.379 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.177x 0.203 | 1 | 0.00 90.00 180.00 270.00 | |
| OBROUND | 0.177x 0.225 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.177x 0.297 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.177x 0.335 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.177x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.180x 0.230 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.180x 0.280 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.180x 0.310 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.180x 0.325 | 0.5 | 0.00 90.00 180.00 270.00 | 0.022 |
| OBROUND | 0.180x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.180x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.03 |
| OBROUND | 0.187x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.287 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.187x 0.312 | 0.5 | 0.00 90.00 | 008 0.018 |
| OBROUND | 0.187x 0.312 | 1 | 0.00 90.00 180.00 270.00 | |
| OBROUND | 0.187x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.187x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.400 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.437 | 1 | 0.00 90.00 180.00 270.00 | 010 0.036 |
| OBROUND | 0.187x 0.470 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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| OBROUND | 0.187x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.660 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | J08 0.018 |
| OBROUND | 0.187x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.187x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | J08 0.018 |
| OBROUND | 0.187x 1.000 | 1 | 0.00 180.00 90.00 270.00 | 0.01 |
| OBROUND | 0.187x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.188x 0.218 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.190x 0.400 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.190x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.200x 0.350 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.200x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.200x 0.450 | 0.5 | 45 | 0.01 |
| OBROUND | 0.200x 0.450 | 0.5 | 135 | 0.01 |
| OBROUND | 0.200x 0.450 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.200x 0.700 | 1.25 | 0.00 90.00 180.00 270.00 | 0.036 |
| OBROUND | 0.200x 0.900 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.200x 1.125 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.203x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.203x 0.328 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.203x 0.400 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.210x 1.030 | 1.25 | 0.00 90.00 180.00 270.00 | 0.036 |
| OBROUND | 0.213x 0.460 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.213x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.213x 0.620 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.216x 0.374 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.218x 0.406 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.218x 0.437 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.218x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.218x 0.520 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| OBROUND | 0.218x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.218x 0.750 | 1 | 0.00 90.00 180.00 270.00 | J10 0.024 |
| OBROUND | 0.218x 1.218 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.219x 0.280 | 0.5 | 0.00 90.00 180.00 270.00 | 0.018 |

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|---------|--------------|------|--------------------------|-----------|
| OBROUND | 0.219x 0.375 | 1 | 0.00 90.00 270.00 180.00 | 0.01 |
| OBROUND | 0.219x 0.530 | 1.25 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.220x 0.250 | 0.5 | 0.00 90.00 | 0.012 |
| OBROUND | 0.220x 0.310 | 1 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.220x 0.310 | 1 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.220x 0.345 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.220x 0.440 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.220x 0.470 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.220x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.220x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.220x 1.250 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.221x 0.471 | 0.5 | 60 | 0.024 |
| OBROUND | 0.236x 0.294 | 1 | 0.00 90.00 | 0.01 |
| OBROUND | 0.236x 0.294 | 1 | 0.00 90.00 | |
| OBROUND | 0.244x 1.228 | 1.25 | 0.00 90.00 180.00 270.00 | 0.024 |
| OBROUND | 0.250x 0.330 | 1 | 0.00 90.00 180.00 270.00 | 0.014 |
| OBROUND | 0.250x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.250x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| OBROUND | 0.250x 0.410 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 0.437 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.250x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.250x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 0.650 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.250x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.250x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.250x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| OBROUND | 0.250x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.250x 1.125 | 1.5 | 0.00 90.00 180.00 270.00 | 0.015 |
| OBROUND | 0.256x 0.393 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.256x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 020 0.036 |
| OBROUND | 0.265x 0.400 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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|---------|--------------|------|--------------------------|-----------|
| OBROUND | 0.270x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| OBROUND | 0.280x 0.380 | 1 | 0.00 90.00 180.00 270.00 | 0.038 |
| OBROUND | 0.280x 0.406 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.280x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.038 |
| OBROUND | 0.280x 0.625 | 1 | 0.00 90.00 180.00 270.00 | J12 0.038 |
| OBROUND | 0.280x 0.910 | 1 | 0.00 90.00 180.00 270.00 | J22 0.026 |
| OBROUND | 0.281x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | J08 0.018 |
| OBROUND | 0.281x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.281x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.038 |
| OBROUND | 0.281x 0.562 | 1.25 | 0.00 90.00 180.00 270.00 | 0.016 |
| OBROUND | 0.281x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.281x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.026 |
| OBROUND | 0.295x 0.409 | 0.5 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.296x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.300x 2.300 | 3.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| OBROUND | 0.310x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.312x 0.500 | 0.5 | 0.00 90.00 180.00 270.00 | J08 0.018 |
| OBROUND | 0.312x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.312x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.312x 0.692 | 1.25 | 0.00 90.00 180.00 270.00 | 0.03 |
| OBROUND | 0.312x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.318x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.024 |
| OBROUND | 0.320x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.320x 0.480 | 1 | 0.00 90.00 180.00 270.00 | J10 0.016 |
| OBROUND | 0.320x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.320x 1.125 | 1.5 | 0.00 90.00 180.00 270.00 | J06 0.032 |
| OBROUND | 0.320x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| OBROUND | 0.320x 1.380 | 1.5 | 0.00 90.00 180.00 270.00 | J22 0.024 |
| OBROUND | 0.323x 0.573 | 1.25 | 0.00 90.00 | J24 0.030 |
| OBROUND | 0.344x 0.750 | 1 | 0.00 90.00 180.00 270.00 | J08 0.024 |
| OBROUND | 0.344x 1.034 | 1.25 | 0.00 90.00 180.00 270.00 | J24 0.036 |
| OBROUND | 0.354x 0.728 | 1.25 | 0.00 90.00 | 0.02 |
| OBROUND | 0.354x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.024 |
| OBROUND | 0.360x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.024 |

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| OBROUND | 0.360x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.036 |
| OBROUND | 0.375x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.375x 0.810 | 1 | 0.00 90.00 180.00 270.00 | |
| OBROUND | 0.375x 0.875 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.375x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.375x 1.000 | 1.25 | 0.00 90.00 | J08 0.018 |
| OBROUND | 0.375x 1.000 | 1.25 | 0.00 90.00 | J08 0.018 |
| OBROUND | 0.375x 1.000 | 1 | 0.00 90.00 180.00 270.00 | J10 0.030 |
| OBROUND | 0.375x 2.700 | 3.5 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.380x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.380x 0.560 | 1 | 0.00 90.00 180.00 270.00 | J10 0.036 |
| OBROUND | 0.380x 0.620 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.380x 1.000 | 1.25 | 0.00 90.00 | J30 0.037 |
| OBROUND | 0.400x 1.300 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.404x 1.300 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.406x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 0.054 |
| OBROUND | 0.410x 0.560 | 1.25 | 0.00 90.00 180.00 270.00 | 0.022 |
| OBROUND | 0.410x 1.410 | 2 | 0.00 90.00 180.00 270.00 | 0.036 |
| OBROUND | 0.437x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 0.024 |
| OBROUND | 0.437x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.018 |
| OBROUND | 0.438x 0.808 | 1.25 | 0.00 90.00 | J30 0.037 |
| OBROUND | 0.440x 0.520 | 1.25 | 0.00 90.00 180.00 270.00 | 0.036 |
| OBROUND | 0.445x 1.445 | 2 | 0.00 90.00 180.00 270.00 | J20 0.032 |
| OBROUND | 0.450x 1.250 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.470x 1.500 | 2 | 0.00 90.00 180.00 270.00 | J24 0.036 |
| OBROUND | 0.491x 2.491 | 3.5 | 0.00 90.00 | 0.009 |
| OBROUND | 0.492x 1.125 | 1.25 | 0.00 90.00 180.00 270.00 | 0.007 |
| OBROUND | 0.500x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | J10 0.012 |
| OBROUND | 0.500x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.500x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| OBROUND | 0.500x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.562x 1.187 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.625x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 0.625x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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| OBROUND | 0.656x 0.880 | 1.25 | 0.00 90.00 | 0.024 |
| OBROUND | 0.760x 1.350 | 2 | 0.00 90.00 180.00 270.00 | 0.024 |
| OBROUND | 0.770x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 1.000x 1.187 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| OBROUND | 1.250x 1.750 | 2 | 0.00 90.00 | 0.03 |

| <u>Tool Type</u> | <u>Dimensions</u> | <u>Station Size</u> | <u>Angles</u> | <u>Die Clearance</u> |
|------------------|-------------------|---------------------|--------------------------|----------------------|
| RECTANGLE | 0.030x 0.120 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.040x 0.190 | 1 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.045x 0.246 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.060x 0.300 | 0.5 | 0.00 90.00 | 0.012 |
| RECTANGLE | 0.060x 0.400 | 1.25 | 0.00 90.00 | 0.012 |
| RECTANGLE | 0.060x 0.400 | 0.5 | 0.00 90.00 | 0.012 |
| RECTANGLE | 0.060x 0.460 | 0.5 | 0.00 90.00 | 0.012 |
| RECTANGLE | 0.060x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.061x 0.160 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.062x 0.250 | 0.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.062x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.062x 0.500 | 1.25 | 0.00 90.00 180.00 270.00 | 08 0.018 0.003 |
| RECTANGLE | 0.062x 0.500 | 1 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.062x 0.500 | 1 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.062x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.062x 0.500 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.062x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.062x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.062x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.062x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.063x 0.250 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.063x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.065x 0.155 | 0.5 | 0.00 90.00 | 0.008 |
| RECTANGLE | 0.070x 0.120 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.078x 0.420 | 0.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.079x 0.158 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.079x 0.393 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.080x 0.290 | 1 | 0.00 90.00 180.00 270.00 | 004 0.012 |
| RECTANGLE | 0.080x 0.290 | 1.25 | 0.00 90.00 180.00 270.00 | 0.004 |
| RECTANGLE | 0.080x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.085x 0.210 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.090x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.090x 1.000 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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| RECTANGLE | 0.093x 0.250 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.093x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.093x 0.500 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.093x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.093x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.095x 0.160 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.100x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.104x 0.310 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.110x 0.130 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.110x 1.035 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.118x 0.315 | 0.5 | 0.00 90.00 | 0.008 |
| RECTANGLE | 0.125x 0.187 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.125x 0.250 | 1.25 | 0.00 90.00 | 0.004 |
| RECTANGLE | 0.125x 0.250 | 0.5 | 0.00 90.00 | 0.004 |
| RECTANGLE | 0.125x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 0.018 |
| RECTANGLE | 0.125x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.125x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 010 0.024 |
| RECTANGLE | 0.125x 0.500 | 1.25 | 0.00 90.00 180.00 270.00 | 10 0.022 0.036 |
| RECTANGLE | 0.125x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 010 0.012 |
| RECTANGLE | 0.125x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.125x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.125x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.125x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 010 0.018 |
| RECTANGLE | 0.125x 3.250 | 3.5 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.140x 0.200 | 0.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.140x 0.295 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.150x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.155x 0.800 | 1.25 | 0.00 90.00 | 008 0.018 |
| RECTANGLE | 0.155x 0.800 | 1 | 0.00 90.00 180.00 270.00 | 0.024 |
| RECTANGLE | 0.156x 0.250 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.175x 0.610 | 1.25 | 0.00 90.00 | 008 0.018 |
| RECTANGLE | 0.180x 0.610 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.187x 0.312 | 0.5 | 0.00 90.00 | 008 0.018 |
| RECTANGLE | 0.187x 0.312 | 0.5 | 0.00 90.00 | 008 0.018 |

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|-----------|--------------|------|------|-------|--------|--------|----------------|
| RECTANGLE | 0.187x 0.375 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.187x 0.400 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.187x 0.500 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 008 0.018 |
| RECTANGLE | 0.187x 0.500 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.187x 0.625 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.187x 0.937 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.187x 1.000 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 008 0.018 |
| RECTANGLE | 0.188x 0.208 | 0.5 | 0.00 | 90.00 | 180.00 | 270.00 | 0.002 |
| RECTANGLE | 0.188x 0.208 | 0.5 | 0.00 | 90.00 | 180.00 | 270.00 | 0.002 |
| RECTANGLE | 0.188x 0.300 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.190x 0.870 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 0.03 |
| RECTANGLE | 0.190x 1.000 | 1.5 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.200x 0.550 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.200x 0.560 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.207x 0.385 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 0.03 |
| RECTANGLE | 0.213x 0.400 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.215x 0.400 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.220x 0.420 | 0.5 | 0.00 | 90.00 | 180.00 | 270.00 | 0.008 |
| RECTANGLE | 0.250x 0.340 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.004 |
| RECTANGLE | 0.250x 0.375 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 08 0.010 0.018 |
| RECTANGLE | 0.250x 0.375 | 0.5 | 0.00 | 90.00 | 180.00 | 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 0.375 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | |
| RECTANGLE | 0.250x 0.375 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.500 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 0.500 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.500 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.500 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.600 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.001 |
| RECTANGLE | 0.250x 0.625 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.625 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.750 | 1.25 | 0.00 | 90.00 | 180.00 | 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 0.750 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | |
| RECTANGLE | 0.250x 0.750 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | |
| RECTANGLE | 0.250x 0.750 | 1 | 0.00 | 90.00 | 180.00 | 270.00 | 0.01 |

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| RECTANGLE | 0.250x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.806 | 1 | 0.00 90.00 180.00 270.00 | 0.004 |
| RECTANGLE | 0.250x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.935 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 0.937 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.003 |
| RECTANGLE | 0.250x 1.300 | 1.5 | 0.00 90.00 180.00 270.00 | 0.003 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 08 0.018 0.030 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 08 0.018 0.030 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 010 0.020 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 0 0.024 0.036 0.042 |
| RECTANGLE | 0.250x 1.500 | 2 | 0.00 90.00 180.00 270.00 | 010 0.042 |
| RECTANGLE | 0.250x 2.250 | 3.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 3.000 | 3.5 | 0.00 90.00 | 008 0.018 |
| RECTANGLE | 0.250x 3.000 | 3.5 | 0.00 90.00 180.00 270.00 | 008 0.018 |
| RECTANGLE | 0.250x 3.250 | 3.5 | 0.00 90.00 180.00 270.00 | 010 0.020 |
| RECTANGLE | 0.250x 4.000 | 4.5 | 0.00 90.00 | 008 0.018 |
| RECTANGLE | 0.250x 4.000 | 4.5 | 0 | 010 0.020 |
| RECTANGLE | 0.250x 4.250 | 4.5 | 90.00 0.00 | 0.01 |
| RECTANGLE | 0.260x 0.545 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.260x 0.950 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.280x 0.600 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.280x 0.910 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.300x 3.000 | 3.5 | 0.00 90.00 | |
| RECTANGLE | 0.310x 1.000 | 2 | 0.00 90.00 | 0.01 |
| RECTANGLE | 0.310x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.312x 0.875 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.312x 1.120 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.312x 1.400 | 2 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.320x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |

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| RECTANGLE | 0.330x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.340x 0.940 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.350x 0.450 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.365x 0.440 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.375x 0.512 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.375x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.375x 0.700 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.375x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.375x 0.810 | 1 | 0.00 90.00 180.00 270.00 | 0.001 |
| RECTANGLE | 0.375x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 010 0.022 |
| RECTANGLE | 0.375x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.380x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.380x 0.880 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.400x 0.450 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.400x 0.800 | 1.5 | 0.00 90.00 | 0.01 |
| RECTANGLE | 0.418x 0.707 | 1 | 1.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.420x 0.680 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.420x 0.720 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.420x 0.930 | 1.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.425x 0.950 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.430x 1.030 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.437x 0.750 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.437x 0.750 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.437x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.440x 0.620 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.440x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.450x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.450x 0.600 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.450x 1.680 | 2 | 0.00 90.00 180.00 270.00 | 0.015 |
| RECTANGLE | 0.450x 2.340 | 3.5 | 0.00 90.00 180.00 270.00 | 0.015 |
| RECTANGLE | 0.470x 1.120 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.472x 1.160 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.490x 1.790 | 2 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.495x 1.115 | 1.25 | 0.00 90.00 180.00 270.00 | 0.005 |

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|-----------|--------------|------|--------------------------|-------|
| RECTANGLE | 0.500x 0.600 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 0.628 | 1.25 | 0 | 0.024 |
| RECTANGLE | 0.500x 0.723 | 1.25 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.500x 0.843 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 0.906 | 2 | 0.00 90.00 | 0.01 |
| RECTANGLE | 0.500x 0.906 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 1.090 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 1.130 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.500x 1.200 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.510x 0.758 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.520x 0.640 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 0.525x 0.657 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.535x 0.640 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.545x 0.561 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.545x 0.650 | 1.25 | 0.00 90.00 | 0.01 |
| RECTANGLE | 0.555x 0.650 | 1 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.555x 0.695 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.579x 0.760 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.584x 0.762 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.585x 0.765 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.587x 0.695 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.590x 0.770 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.600x 0.640 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.600x 0.700 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.600x 0.718 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.600x 1.100 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.600x 2.250 | 3.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.611x 1.000 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.625x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.625x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.625x 1.375 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |

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|-----------|--------------|------|--------------------------|-------|
| RECTANGLE | 0.634x 2.000 | 3.5 | 0.00 90.00 180.00 360.00 | 0.037 |
| RECTANGLE | 0.650x 0.890 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| RECTANGLE | 0.655x 1.050 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.655x 1.240 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.656x 0.875 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.680x 0.905 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 0.687x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.700x 1.000 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.700x 1.080 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.700x 1.250 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.700x 3.150 | 3.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.737x 0.800 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.738x 0.880 | 1.25 | 155 | 0.01 |
| RECTANGLE | 0.750x 1.140 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.755x 0.880 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.780x 1.060 | 2 | 0.00 90.00 | 0.01 |
| RECTANGLE | 0.780x 1.060 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.875x 1.071 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.875x 1.125 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 0.910x 1.295 | 2 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 0.950x 1.120 | 1.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 1.000x 1.550 | 2 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 1.043x 3.000 | 3.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| RECTANGLE | 1.060x 1.380 | 2 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 1.160x 2.120 | 3.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| RECTANGLE | 1.570x 2.750 | 3.5 | 0.00 90.00 180.00 270.00 | |
| RECTANGLE | 2.100x 2.400 | 3.5 | 0.00 90.00 180.00 270.00 | 0.006 |
| RECTANGLE | 2.680x 2.810 | 4.5 | 0.00 90.00 180.00 270.00 | 0.01 |

| <u>Tool Type</u> | <u>Diameter</u> | <u>Station Size</u> | <u>Die Clearance</u> |
|------------------|-----------------|---------------------|----------------------|
| ROUND | 0.04 | 0.5 | 0.006 |
| ROUND | 0.048 | 0.5 | 0.008 |
| ROUND | 0.053 | 1 | 0.01 |
| ROUND | 0.057 | 0.5 | 0.006 |
| ROUND | 0.062 | 0.5 | 008 0.018 |
| ROUND | 0.062 | 0.5 | 0.01 |
| ROUND | 0.062 | 1 | 0.01 |
| ROUND | 0.067 | 1 | 0.01 |
| ROUND | 0.07 | 0.5 | 008 0.018 |
| ROUND | 0.07 | 0.5 | 0.01 |
| ROUND | 0.07 | 1 | 0.01 |
| ROUND | 0.073 | 1 | 0.01 |
| ROUND | 0.076 | 0.5 | 0.01 |
| ROUND | 0.076 | 1 | 0.01 |
| ROUND | 0.078 | 0.5 | 008 0.018 |
| ROUND | 0.078 | 1 | 0.01 |
| ROUND | 0.081 | 1 | 0.01 |
| ROUND | 0.086 | 1 | 0.01 |
| ROUND | 0.089 | 0.5 | 008 0.018 |
| ROUND | 0.089 | 0.5 | 0.01 |
| ROUND | 0.089 | 1 | 0.01 |
| ROUND | 0.093 | 0.5 | 008 0.018 |
| ROUND | 0.093 | 1 | 0.01 |
| ROUND | 0.094 | 1 | 0.01 |
| ROUND | 0.096 | 1 | 0.01 |
| ROUND | 0.098 | 0.5 | 008 0.018 |
| ROUND | 0.098 | 1.25 | 0.03 |
| ROUND | 0.099 | 1 | 0.01 |
| ROUND | 0.101 | 0.5 | 0.01 |
| ROUND | 0.101 | 1 | 0.01 |
| ROUND | 0.102 | 0.5 | 008 0.018 |
| ROUND | 0.104 | 1 | 0.01 |
| ROUND | 0.106 | 0.5 | 008 0.018 |
| ROUND | 0.106 | 0.5 | 0.01 |
| ROUND | 0.106 | 1 | 0.01 |
| ROUND | 0.108 | 1.25 | 0.03 |
| ROUND | 0.109 | 1 | 0.01 |
| ROUND | 0.11 | 1 | 0.01 |
| ROUND | 0.111 | 0.5 | 0.01 |
| ROUND | 0.111 | 1 | 0.01 |
| ROUND | 0.113 | 0.5 | 008 0.018 |
| ROUND | 0.113 | 1 | 0.01 |
| ROUND | 0.116 | 0.5 | 0.01 |
| ROUND | 0.116 | 1 | 0.01 |
| ROUND | 0.12 | 0.5 | 008 0.018 |
| ROUND | 0.12 | 0.5 | 0.01 |

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|-------|-------|------|-----------|
| ROUND | 0.12 | 1 | 0.01 |
| ROUND | 0.125 | 0.5 | 008 0.018 |
| ROUND | 0.125 | 0.5 | 0.01 |
| ROUND | 0.125 | 1 | 0.01 |
| ROUND | 0.128 | 1.25 | 0.03 |
| ROUND | 0.128 | 0.5 | 008 0.018 |
| ROUND | 0.128 | 0.5 | 0.01 |
| ROUND | 0.128 | 1 | 0.01 |
| ROUND | 0.129 | 1.25 | 0.03 |
| ROUND | 0.13 | 0.5 | 010 0.022 |
| ROUND | 0.13 | 1 | 0.01 |
| ROUND | 0.132 | 0.5 | 008 0.018 |
| ROUND | 0.134 | 1.25 | 0.03 |
| ROUND | 0.136 | 0.5 | 008 0.018 |
| ROUND | 0.136 | 0.5 | 0.01 |
| ROUND | 0.136 | 1 | 0.01 |
| ROUND | 0.14 | 0.5 | 008 0.018 |
| ROUND | 0.14 | 0.5 | 0.01 |
| ROUND | 0.14 | 1 | 0.01 |
| ROUND | 0.144 | 0.5 | 008 0.018 |
| ROUND | 0.144 | 1 | 0.01 |
| ROUND | 0.147 | 0.5 | 008 0.018 |
| ROUND | 0.147 | 1 | 006 0.010 |
| ROUND | 0.149 | 1.25 | 0.01 |
| ROUND | 0.149 | 1 | 0.01 |
| ROUND | 0.15 | 0.5 | 008 0.018 |
| ROUND | 0.152 | 0.5 | 010 0.012 |
| ROUND | 0.152 | 1 | 0.01 |
| ROUND | 0.154 | 1 | 0.01 |
| ROUND | 0.156 | 0.5 | 0.01 |
| ROUND | 0.156 | 1 | 0.01 |
| ROUND | 0.157 | 1 | 0.012 |
| ROUND | 0.159 | 0.5 | 0.01 |
| ROUND | 0.159 | 1 | 0.01 |
| ROUND | 0.16 | 0.5 | 008 0.018 |
| ROUND | 0.16 | 1.25 | 0.03 |
| ROUND | 0.161 | 1 | 0.01 |
| ROUND | 0.163 | 0.5 | 0.008 |
| ROUND | 0.163 | 1 | 010 0.012 |
| ROUND | 0.166 | 0.5 | 0.008 |
| ROUND | 0.166 | 0.5 | 008 0.018 |
| ROUND | 0.166 | 0.5 | 0.01 |
| ROUND | 0.166 | 1 | 010 0.012 |
| ROUND | 0.169 | 0.5 | |
| ROUND | 0.169 | 1 | 0.01 |
| ROUND | 0.172 | 0.5 | 008 0.018 |
| ROUND | 0.172 | 0.5 | 0.01 |

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|-------|-------|------|-----------|
| ROUND | 0.172 | 1 | 010 0.012 |
| ROUND | 0.173 | 1 | 0.01 |
| ROUND | 0.176 | 0.5 | 008 0.018 |
| ROUND | 0.177 | 0.5 | 008 0.018 |
| ROUND | 0.177 | 1 | 0.01 |
| ROUND | 0.18 | 1 | 0.01 |
| ROUND | 0.181 | 0.5 | 008 0.018 |
| ROUND | 0.182 | 1 | 0.01 |
| ROUND | 0.185 | 1 | 0.01 |
| ROUND | 0.187 | 0.5 | 0.01 |
| ROUND | 0.187 | 1 | 010 0.012 |
| ROUND | 0.189 | 0.5 | 008 0.018 |
| ROUND | 0.189 | 0.5 | 010 0.020 |
| ROUND | 0.189 | 1 | 010 0.012 |
| ROUND | 0.191 | 0.5 | 008 0.018 |
| ROUND | 0.191 | 0.5 | 008 0.018 |
| ROUND | 0.191 | 1 | 0.01 |
| ROUND | 0.193 | 1 | 010 0.012 |
| ROUND | 0.194 | 0.5 | 008 0.018 |
| ROUND | 0.194 | 0.5 | 008 0.018 |
| ROUND | 0.194 | 1 | 0.01 |
| ROUND | 0.196 | 1 | 0.01 |
| ROUND | 0.196 | 1.25 | 0.024 |
| ROUND | 0.199 | 1 | 0.01 |
| ROUND | 0.201 | 0.5 | 008 0.018 |
| ROUND | 0.201 | 1 | 010 0.012 |
| ROUND | 0.203 | 0.5 | 0.01 |
| ROUND | 0.203 | 1 | 0.01 |
| ROUND | 0.204 | 1 | 0.01 |
| ROUND | 0.205 | 0.5 | 008 0.018 |
| ROUND | 0.205 | 1 | 0.01 |
| ROUND | 0.209 | 1 | 0.01 |
| ROUND | 0.213 | 0.5 | 008 0.018 |
| ROUND | 0.213 | 0.5 | 010 0.020 |
| ROUND | 0.213 | 1 | 010 0.012 |
| ROUND | 0.218 | 0.5 | 008 0.018 |
| ROUND | 0.218 | 0.5 | 0.01 |
| ROUND | 0.218 | 1 | 010 0.012 |
| ROUND | 0.219 | 1 | 010 0.012 |
| ROUND | 0.221 | 0.5 | 008 0.018 |
| ROUND | 0.221 | 1 | 010 0.012 |
| ROUND | 0.228 | 0.5 | 008 0.018 |
| ROUND | 0.228 | 1 | 010 0.012 |
| ROUND | 0.234 | 1 | 010 0.012 |
| ROUND | 0.235 | 0.5 | 008 0.018 |
| ROUND | 0.238 | 1 | 0.01 |
| ROUND | 0.242 | 1 | 0.01 |

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|-------|-------|------|-----------|
| ROUND | 0.246 | 1 | 0.01 |
| ROUND | 0.25 | 0.5 | 008 0.018 |
| ROUND | 0.25 | 0.5 | 010 0.020 |
| ROUND | 0.25 | 1 | 010 0.012 |
| ROUND | 0.257 | 0.5 | 008 0.018 |
| ROUND | 0.257 | 1 | 010 0.012 |
| ROUND | 0.257 | 1.25 | 0.024 |
| ROUND | 0.261 | 1 | 0.01 |
| ROUND | 0.265 | 1 | 010 0.012 |
| ROUND | 0.266 | 0.5 | 008 0.018 |
| ROUND | 0.266 | 1 | 010 0.012 |
| ROUND | 0.272 | 0.5 | 008 0.018 |
| ROUND | 0.272 | 1 | 0.01 |
| ROUND | 0.277 | 0.5 | 0.01 |
| ROUND | 0.277 | 1 | 0.01 |
| ROUND | 0.281 | 0.5 | 008 0.018 |
| ROUND | 0.281 | 0.5 | 010 0.022 |
| ROUND | 0.281 | 1 | 010 0.012 |
| ROUND | 0.283 | 0.5 | 008 0.018 |
| ROUND | 0.287 | 1 | 0.01 |
| ROUND | 0.289 | 0.5 | 008 0.018 |
| ROUND | 0.29 | 1.25 | 0.01 |
| ROUND | 0.29 | 1 | 010 0.012 |
| ROUND | 0.291 | 0.5 | 008 0.018 |
| ROUND | 0.295 | 1 | 0.01 |
| ROUND | 0.296 | 0.5 | 008 0.018 |
| ROUND | 0.297 | 1 | 0.012 |
| ROUND | 0.302 | 0.5 | 0.012 |
| ROUND | 0.302 | 1 | 0.01 |
| ROUND | 0.312 | 0.5 | 008 0.018 |
| ROUND | 0.312 | 0.5 | 0.01 |
| ROUND | 0.312 | 1 | 010 0.012 |
| ROUND | 0.316 | 1 | 010 0.012 |
| ROUND | 0.325 | 1 | 0.01 |
| ROUND | 0.328 | 0.5 | 0.02 |
| ROUND | 0.328 | 1 | 010 0.012 |
| ROUND | 0.332 | 1 | 0.01 |
| ROUND | 0.339 | 1 | 0.01 |
| ROUND | 0.343 | 0.5 | 008 0.018 |
| ROUND | 0.344 | 0.5 | 0.01 |
| ROUND | 0.344 | 1 | 0.01 |
| ROUND | 0.348 | 1 | 0.01 |
| ROUND | 0.35 | 1 | 0.006 |
| ROUND | 0.352 | 0.5 | 0.006 |
| ROUND | 0.359 | 0.5 | 008 0.018 |
| ROUND | 0.359 | 0.5 | 008 0.018 |
| ROUND | 0.359 | 0.5 | 008 0.018 |

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|-------|-------|------|----------------|
| ROUND | 0.359 | 1 | 010 0.012 |
| ROUND | 0.368 | 0.5 | 008 0.018 |
| ROUND | 0.368 | 1 | 0.01 |
| ROUND | 0.375 | 0.5 | 008 0.018 |
| ROUND | 0.375 | 0.5 | 0.01 |
| ROUND | 0.375 | 1 | 10 0.012 0.030 |
| ROUND | 0.377 | 1 | 0.01 |
| ROUND | 0.38 | 0.5 | 0.01 |
| ROUND | 0.386 | 1 | 0.01 |
| ROUND | 0.39 | 1 | 010 0.012 |
| ROUND | 0.391 | 1.25 | 0.036 |
| ROUND | 0.393 | 0.5 | 008 0.018 |
| ROUND | 0.397 | 1 | 008 0.010 |
| ROUND | 0.404 | 1 | 0.01 |
| ROUND | 0.406 | 0.5 | 008 0.018 |
| ROUND | 0.406 | 0.5 | 0.01 |
| ROUND | 0.406 | 1 | 010 0.012 |
| ROUND | 0.413 | 0.5 | 0.01 |
| ROUND | 0.413 | 1 | 006 0.010 |
| ROUND | 0.421 | 1 | 008 0.013 |
| ROUND | 0.431 | 1 | 0.01 |
| ROUND | 0.434 | 0.5 | 008 0.018 |
| ROUND | 0.437 | 0.5 | 008 0.018 |
| ROUND | 0.437 | 0.5 | 0.01 |
| ROUND | 0.437 | 1 | 0.01 |
| ROUND | 0.446 | 1 | |
| ROUND | 0.453 | 0.5 | 0.02 |
| ROUND | 0.453 | 1 | 010 0.012 |
| ROUND | 0.468 | 1 | 0.01 |
| ROUND | 0.469 | 1 | 0.012 |
| ROUND | 0.478 | 1 | 0.012 |
| ROUND | 0.484 | 1 | 010 0.012 |
| ROUND | 0.5 | 1.25 | 0.036 |
| ROUND | 0.5 | 0.5 | 008 0.018 |
| ROUND | 0.5 | 0.5 | 010 0.036 |
| ROUND | 0.5 | 1 | 010 0.012 |
| ROUND | 0.505 | 1 | 0.01 |
| ROUND | 0.51 | 1.25 | 0.008 |
| ROUND | 0.51 | 1.25 | 0.008 |
| ROUND | 0.515 | 1.25 | 0.01 |
| ROUND | 0.515 | 1 | 010 0.012 |
| ROUND | 0.52 | 1 | 0.008 |
| ROUND | 0.531 | 1 | 010 0.012 |
| ROUND | 0.544 | 1.25 | 0.004 |
| ROUND | 0.546 | 1 | 0.01 |
| ROUND | 0.547 | 1 | 0.01 |
| ROUND | 0.56 | 1.25 | 0.01 |

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|-------|-------|------|-----------|
| ROUND | 0.562 | 1.25 | 008 0.018 |
| ROUND | 0.562 | 1 | 010 0.012 |
| ROUND | 0.568 | 1.25 | 0.012 |
| ROUND | 0.578 | 1 | 010 0.012 |
| ROUND | 0.593 | 1 | 0.01 |
| ROUND | 0.593 | 1.25 | 0.01 |
| ROUND | 0.594 | 1 | 0.012 |
| ROUND | 0.609 | 1 | 010 0.012 |
| ROUND | 0.619 | 1.25 | 0.006 |
| ROUND | 0.621 | 1.25 | 0.004 |
| ROUND | 0.625 | 1.25 | 008 0.018 |
| ROUND | 0.625 | 1 | 010 0.012 |
| ROUND | 0.625 | 1.25 | 0.01 |
| ROUND | 0.63 | 1 | 0.01 |
| ROUND | 0.64 | 1 | 010 0.012 |
| ROUND | 0.656 | 1.25 | 008 0.018 |
| ROUND | 0.656 | 1 | 010 0.012 |
| ROUND | 0.672 | 1.25 | 0.007 |
| ROUND | 0.672 | 1 | 010 0.012 |
| ROUND | 0.68 | 1.25 | 0.022 |
| ROUND | 0.687 | 1 | 010 0.012 |
| ROUND | 0.687 | 1.25 | 0.01 |
| ROUND | 0.696 | 1 | 0.012 |
| ROUND | 0.703 | 1 | 0.01 |
| ROUND | 0.718 | 1 | 010 0.012 |
| ROUND | 0.719 | 1 | 010 0.012 |
| ROUND | 0.734 | 1 | 010 0.012 |
| ROUND | 0.75 | 1.25 | 008 0.018 |
| ROUND | 0.75 | 1 | 010 0.012 |
| ROUND | 0.75 | 1.25 | 0.01 |
| ROUND | 0.755 | 1.25 | 0.01 |
| ROUND | 0.765 | 1.25 | 0.01 |
| ROUND | 0.765 | 1 | 010 0.012 |
| ROUND | 0.781 | 1 | 010 0.012 |
| ROUND | 0.787 | 1 | 010 0.012 |
| ROUND | 0.796 | 1 | 010 0.012 |
| ROUND | 0.797 | 1 | 0.01 |
| ROUND | 0.8 | 1 | 0.01 |
| ROUND | 0.8 | 1.5 | 010 0.012 |
| ROUND | 0.812 | 1 | 0.01 |
| ROUND | 0.812 | 1.25 | 0.01 |
| ROUND | 0.825 | 1.25 | 0.02 |
| ROUND | 0.828 | 1 | 0.012 |
| ROUND | 0.84 | 1.25 | 0.02 |
| ROUND | 0.844 | 1 | 0.012 |
| ROUND | 0.859 | 1 | 010 0.012 |
| ROUND | 0.875 | 1.25 | 008 0.018 |

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|-------|-------|------|-----------|
| ROUND | 0.875 | 1 | 0.01 |
| ROUND | 0.875 | 1.25 | 010 0.022 |
| ROUND | 0.89 | 1 | 012 0.022 |
| ROUND | 0.89 | 1.25 | 012 0.022 |
| ROUND | 0.906 | 1 | 010 0.012 |
| ROUND | 0.922 | 1 | 010 0.012 |
| ROUND | 0.937 | 1.25 | 0.038 |
| ROUND | 0.937 | 1 | 010 0.012 |
| ROUND | 0.953 | 1 | 010 0.012 |
| ROUND | 0.968 | 1 | 010 0.012 |
| ROUND | 0.979 | 1.25 | 0.01 |
| ROUND | 0.984 | 1 | 0.01 |
| ROUND | 0.99 | 1.25 | 0.01 |
| ROUND | 1 | 1.25 | 008 0.018 |
| ROUND | 1 | 1 | 010 0.012 |
| ROUND | 1 | 1.25 | 0.01 |
| ROUND | 1 | 1.5 | 0.01 |
| ROUND | 1.01 | 1.25 | 0.012 |
| ROUND | 1.01 | 1.5 | 0.01 |
| ROUND | 1.024 | 1.25 | 0.02 |
| ROUND | 1.03 | 1.25 | 0.02 |
| ROUND | 1.031 | 1.25 | 008 0.018 |
| ROUND | 1.031 | 1.5 | 0.01 |
| ROUND | 1.043 | 1.25 | 0.012 |
| ROUND | 1.047 | 1.5 | 0.01 |
| ROUND | 1.054 | 1.25 | 014 0.006 |
| ROUND | 1.06 | 1.25 | 008 0.018 |
| ROUND | 1.06 | 1.25 | 0.02 |
| ROUND | 1.062 | 1.25 | 0.01 |
| ROUND | 1.062 | 1.5 | 0.01 |
| ROUND | 1.067 | 1.25 | 0.012 |
| ROUND | 1.072 | 1.25 | |
| ROUND | 1.072 | 1.25 | |
| ROUND | 1.093 | 2 | 0.012 |
| ROUND | 1.093 | 1.5 | 0.01 |
| ROUND | 1.109 | 1.25 | 0.01 |
| ROUND | 1.109 | 1.5 | 0.01 |
| ROUND | 1.125 | 1.25 | 008 0.018 |
| ROUND | 1.125 | 1.25 | 010 0.022 |
| ROUND | 1.125 | 1.5 | 0.01 |
| ROUND | 1.14 | 1.25 | 0.008 |
| ROUND | 1.156 | 1.5 | 0.01 |
| ROUND | 1.18 | 1.5 | 0.01 |
| ROUND | 1.187 | 1.25 | |
| ROUND | 1.187 | 1.5 | 0.01 |
| ROUND | 1.193 | 1.25 | 0.012 |
| ROUND | 1.2 | 2 | |

| | | | |
|-------|-------|------|-----------|
| ROUND | 1.203 | 1.5 | 0.01 |
| ROUND | 1.218 | 1.25 | 008 0.018 |
| ROUND | 1.218 | 1.5 | 0.01 |
| ROUND | 1.234 | 1.25 | 0.014 |
| ROUND | 1.242 | 1.25 | 0.006 |
| ROUND | 1.25 | 2 | 008 0.018 |
| ROUND | 1.25 | 1.25 | 010 0.020 |
| ROUND | 1.25 | 1.5 | 0.01 |
| ROUND | 1.25 | 2 | 0.036 |
| ROUND | 1.258 | 2 | 0.012 |
| ROUND | 1.281 | 1.5 | 0.01 |
| ROUND | 1.304 | 2 | 006 0.014 |
| ROUND | 1.31 | 2 | 0.036 |
| ROUND | 1.312 | 1.5 | 0.01 |
| ROUND | 1.312 | 2 | 0.01 |
| ROUND | 1.327 | 2 | 0.01 |
| ROUND | 1.343 | 2 | 0.01 |
| ROUND | 1.343 | 1.5 | 0.01 |
| ROUND | 1.345 | 2 | 0.038 |
| ROUND | 1.361 | 1.5 | 0.01 |
| ROUND | 1.375 | 2 | 008 0.018 |
| ROUND | 1.375 | 1.5 | 0.01 |
| ROUND | 1.382 | 1.5 | |
| ROUND | 1.4 | 2 | 0.01 |
| ROUND | 1.406 | 1.5 | 0.01 |
| ROUND | 1.437 | 2 | 0.01 |
| ROUND | 1.438 | 1.5 | 0.01 |
| ROUND | 1.468 | 2 | 010 0.034 |
| ROUND | 1.5 | 2 | 008 0.018 |
| ROUND | 1.5 | 1.5 | 0.01 |
| ROUND | 1.5 | 2 | 0.01 |
| ROUND | 1.512 | 2 | 0.01 |
| ROUND | 1.52 | 2 | 0.024 |
| ROUND | 1.55 | 2 | 0.012 |
| ROUND | 1.554 | 2 | 0.006 |
| ROUND | 1.574 | 2 | 0.01 |
| ROUND | 1.6 | 2 | 0.01 |
| ROUND | 1.625 | 2 | 0.01 |
| ROUND | 1.625 | 2 | 0.01 |
| ROUND | 1.744 | 2 | 0.006 |
| ROUND | 1.75 | 2 | 0.01 |
| ROUND | 1.75 | 2 | 0.01 |
| ROUND | 1.76 | 2 | 0.012 |
| ROUND | 1.875 | 3.5 | 008 0.018 |
| ROUND | 1.875 | 2 | 0.01 |
| ROUND | 1.875 | 2 | 0.02 |
| ROUND | 1.905 | 2 | |

| | | | |
|-------|-------|-----|-----------|
| ROUND | 1.95 | 2 | 0.008 |
| ROUND | 2 | 3.5 | 008 0.018 |
| ROUND | 2 | 2 | 0.01 |
| ROUND | 2 | 2 | 0.01 |
| ROUND | 2.01 | 2 | |
| ROUND | 2.265 | 3.5 | 0.012 |
| ROUND | 2.46 | 3.5 | 0.01 |
| ROUND | 2.491 | 3.5 | 0.008 |
| ROUND | 2.5 | 3.5 | 0.01 |
| ROUND | 2.5 | 3.5 | 0.03 |
| ROUND | 2.51 | 3.5 | 0.007 |
| ROUND | 2.62 | 3.5 | 0.022 |
| ROUND | 2.8 | 3.5 | 0.01 |
| ROUND | 2.834 | 3.5 | 0.006 |
| ROUND | 2.875 | 3.5 | 0.01 |
| ROUND | 2.92 | 3.5 | 0.012 |
| ROUND | 3 | 3.5 | 010 0.036 |
| ROUND | 3.062 | 3.5 | 0.012 |
| ROUND | 3.23 | 3.5 | 0.018 |
| ROUND | 3.44 | 3.5 | 0.008 |
| ROUND | 3.5 | 3.5 | 0.01 |
| ROUND | 4 | 4.5 | 0.01 |
| ROUND | 4.5 | 4.5 | 0.01 |

| <u>Tool Type</u> | <u>Dimensions</u> | <u>Station Size</u> | <u>Angles</u> | <u>Die Clearance</u> |
|------------------|---------------------|---------------------|--------------------------|----------------------|
| ROUNDED C | 0.250x 2.130x 0.060 | 3.5 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.260x 0.320x 0.060 | 0.5 | 0.00 90.00 | 0.008 |
| ROUNDED C | 0.266x 0.290x 0.020 | 0.5 | 0.00 90.00 | 0.007 |
| ROUNDED C | 0.276x 0.512x 0.078 | 1 | 0.00 90.00 | |
| ROUNDED C | 0.282x 2.982x 0.011 | 3.5 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.336x 1.100x 0.030 | 1.25 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.380x 0.380x 0.060 | 1.25 | 0 | 0.024 |
| ROUNDED C | 0.400x 0.850x 0.060 | 1.25 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.428x 0.766x 0.100 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| ROUNDED C | 0.440x 3.250x 0.060 | 3.5 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.450x 0.812x 0.130 | 1 | 0.00 90.00 | 0.006 |
| ROUNDED C | 0.455x 0.809x 0.060 | 1.25 | 0.00 90.00 | 0.015 |
| ROUNDED C | 0.550x 0.750x 0.050 | 1.25 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.590x 0.833x 0.072 | 1.25 | 0.00 90.00 | 0.036 |
| ROUNDED C | 0.600x 0.600x 0.032 | 1.25 | 0 | 0.01 |
| ROUNDED C | 0.600x 0.802x 0.060 | 1 | 0.00 90.00 | 0.012 |
| ROUNDED C | 0.600x 0.802x 0.060 | 1.25 | 0.00 90.00 | 0.008 |
| ROUNDED C | 0.620x 0.620x 0.120 | 1 | 0.00 90.00 | |
| ROUNDED C | 0.700x 0.700x 0.032 | 1.25 | 0 | 0.008 |
| ROUNDED C | 0.750x 0.750x 0.130 | 1.25 | 0 | 008 0.018 |
| ROUNDED C | 0.785x 0.785x 0.060 | 1.25 | 0 | 0.014 |
| ROUNDED C | 0.800x 2.060x 0.120 | 3.5 | 0.00 90.00 | 0.01 |
| ROUNDED C | 0.812x 1.060x 0.125 | 1.25 | 0.00 90.00 | 0.012 |
| ROUNDED C | 0.898x 1.210x 0.197 | 2 | 0.00 90.00 180.00 270.00 | 0.012 |
| ROUNDED C | 0.900x 1.200x 0.236 | 1.5 | 0.00 90.00 | |
| ROUNDED C | 0.910x 1.295x 0.250 | 1.5 | 0.00 90.00 | |
| ROUNDED C | 0.995x 0.995x 0.060 | 2 | 0.00 90.00 180.00 270.00 | 0.002 |
| ROUNDED C | 1.126x 2.205x 0.030 | 3.5 | 0.00 90.00 | 0.01 |
| ROUNDED C | 1.500x 1.500x 0.020 | 3.5 | 0 | 0.01 |

| <u>Tool Type</u> | <u>Dimensions</u> | <u>Station Size</u> | <u>Angles</u> | <u>Die Clearance</u> |
|------------------|-------------------|---------------------|--------------------------|----------------------|
| SINGLE D | 0.177x 0.194 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.182x 0.206 | 0.5 | 0.00 90.00 | |
| SINGLE D | 0.194x 0.265 | 1 | 0.00 90.00 180.00 270.00 | 0.006 |
| SINGLE D | 0.230x 0.250 | 0.5 | 0.00 90.00 180.00 270.00 | |
| SINGLE D | 0.238x 0.253 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.241x 0.258 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.281x 0.312 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.289x 0.328 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.292x 0.316 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.305x 0.325 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.306x 0.321 | 0.5 | 0.00 90.00 | 0.014 |
| SINGLE D | 0.314x 0.342 | 0.5 | 90.00 0.00 | |
| SINGLE D | 0.343x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.343x 0.390 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.350x 0.375 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| SINGLE D | 0.350x 0.375 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.355x 0.390 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.363x 0.406 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.365x 0.395 | 0.5 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.377x 0.436 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.401x 0.430 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.403x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.409x 0.441 | 0.5 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.437x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.465x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.468x 0.531 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.469x 0.501 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.473x 0.505 | 1 | 90.00 180.00 | |
| SINGLE D | 0.477x 0.506 | 1 | 90.00 180.00 | 0.01 |
| SINGLE D | 0.477x 0.515 | 1.25 | 180.00 270.00 | 0.01 |
| SINGLE D | 0.477x 0.515 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.485x 0.525 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.486x 0.500 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |

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|----------|--------------|------|--------------------------|-------|
| SINGLE D | 0.515x 0.531 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.540x 0.560 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.540x 0.562 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.580x 0.625 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.582x 0.610 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.592x 0.635 | 1 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.602x 0.636 | 1.25 | 0.00 90.00 180.00 270.00 | 0.012 |
| SINGLE D | 0.704x 0.740 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 |
| SINGLE D | 0.775x 0.830 | 1.25 | 0.00 90.00 | |
| SINGLE D | 0.822x 0.875 | 1.25 | 0.00 90.00 180.00 270.00 | 0.014 |
| SINGLE D | 0.952x 1.020 | 1.25 | 0.00 90.00 180.00 270.00 | 0.01 |
| SINGLE D | 0.952x 1.039 | 1.25 | 0.00 270.00 | 0.012 |
| SINGLE D | 0.952x 1.039 | 1.25 | 0.00 90.00 | |
| SINGLE D | 0.964x 1.029 | 1.25 | 0.00 90.00 | 0.014 |
| SINGLE D | 1.150x 1.200 | 1.25 | 0.00 90.00 | |
| SINGLE D | 1.203x 1.264 | 1.5 | 0.00 90.00 180.00 270.00 | |
| SINGLE D | 1.326x 1.390 | 1.5 | 0.00 90.00 180.00 270.00 | |
| SINGLE D | 1.704x 1.764 | 2 | 0.00 90.00 180.00 270.00 | |
| SINGLE D | 2.520x 3.228 | 3.5 | 0.00 90.00 180.00 270.00 | |

| <u>Tool Type</u> | <u>Dimensions</u> | <u>Station Size</u> | <u>Angles</u> | <u>Die Clearance</u> |
|------------------|-------------------|---------------------|--------------------------|----------------------|
| SQUARE | 0.06 | 1 | 0 | 0.01 |
| SQUARE | 0.062 | 0.5 | 0.00 90.00 | 0.008 0.018 |
| SQUARE | 0.062 | 0.5 | 0.00 90.00 | 0.008 0.018 |
| SQUARE | 0.079 | 1 | 0 | 0.01 |
| SQUARE | 0.09 | 1.25 | 0 | 0.01 |
| SQUARE | 0.09 | 0.5 | 0 | 0.01 |
| SQUARE | 0.09 | 1 | 0 | 0.01 |
| SQUARE | 0.093 | 0.5 | 0 | 0.008 0.018 |
| SQUARE | 0.125 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.125 | 0.5 | 0.00 180.00 270.00 | 0.010 0.022 |
| SQUARE | 0.125 | 1 | 0 | 0.01 |
| SQUARE | 0.132 | 0.5 | 0 | 0.005 |
| SQUARE | 0.156 | 0.5 | 0 | 0.008 0.018 |
| SQUARE | 0.156 | 1 | 0 | 0.01 |
| SQUARE | 0.187 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.187 | 0.5 | 0 | 0.008 0.018 |
| SQUARE | 0.187 | 0.5 | 0.00 90.00 180.00 270.00 | 0.008 |
| SQUARE | 0.187 | 1 | 0 | 0.01 |
| SQUARE | 0.2 | 0.5 | 0 | 0.008 0.018 |
| SQUARE | 0.2 | 1 | 0 | 0.01 |
| SQUARE | 0.25 | 1.25 | 0 | |
| SQUARE | 0.25 | 0.5 | 0.00 45.00 180.00 270.00 | 0.008 0.018 |
| SQUARE | 0.25 | 0.5 | 0 | 0.010 0.022 0.036 |
| SQUARE | 0.25 | 1 | 0 | 0.01 |
| SQUARE | 0.252 | 1 | 0 | 0.01 |
| SQUARE | 0.252 | 1 | 0 | 0.01 |
| SQUARE | 0.281 | 1.25 | 0.00 90.00 180.00 270.00 | |
| SQUARE | 0.281 | 1 | 0 | 0.01 |
| SQUARE | 0.288 | 0.5 | 0 | 0.01 |
| SQUARE | 0.312 | 0.5 | 0 | 0.008 0.018 |
| SQUARE | 0.312 | 0.5 | 0 | 0.01 |
| SQUARE | 0.312 | 1 | 45 | 0.01 |
| SQUARE | 0.343 | 1.25 | 0.00 90.00 180.00 270.00 | 0.008 0.018 |

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|--------|-------|------|------------------|-------------------|
| SQUARE | 0.375 | 1.25 | 0 | 0.01 |
| SQUARE | 0.375 | 1.25 | 0.00 45.00 | 0.008 0.018 |
| SQUARE | 0.375 | 1 | 0 | 0.01 |
| SQUARE | 0.375 | 1.25 | 0 | 0.010 0.020 0.036 |
| SQUARE | 0.406 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.437 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.485 | 1 | 0 | 0.01 |
| SQUARE | 0.495 | 1 | 0 | |
| SQUARE | 0.5 | 1.25 | 0.00 45.00 | 0.008 0.018 |
| SQUARE | 0.5 | 1 | 0 | |
| SQUARE | 0.5 | 1 | 0 | 0.01 |
| SQUARE | 0.5 | 1.25 | 0 | 0.01 |
| SQUARE | 0.525 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.525 | 1 | 0 | 0.01 |
| SQUARE | 0.562 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.6 | 1 | 0 | 0.01 |
| SQUARE | 0.625 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.625 | 1 | 0 | 0.01 |
| SQUARE | 0.625 | 1.25 | 0.00 45.00 90.00 | 0.010 0.022 |
| SQUARE | 0.73 | 1.5 | 0 | 0.01 |
| SQUARE | 0.75 | 1.25 | 0.00 45.00 | 0.008 0.018 |
| SQUARE | 0.75 | 1.25 | 0 | 0.010 0.022 |
| SQUARE | 0.75 | 1.5 | 0 | 0.01 |
| SQUARE | 0.875 | 1.25 | 0 | 0.008 0.018 |
| SQUARE | 0.875 | 1.25 | 0 | 0.01 |
| SQUARE | 0.875 | 1.5 | 0 | 0.01 |
| SQUARE | 0.9 | 1.5 | 0 | 0.01 |
| SQUARE | 1 | 2 | 0 | 0.008 0.018 |
| SQUARE | 1 | 1.5 | 0 | 0.01 |
| SQUARE | 1 | 2 | 0 | 0.01 |
| SQUARE | 1 | 2 | 0 | 0.010 0.024 |
| SQUARE | 1.478 | 3.5 | 0 | 0.022 |
| SQUARE | 1.5 | 3.5 | 0.00 45.00 | 0.01 |
| SQUARE | 2 | 3.5 | 0 | 0.008 0.018 |

SQUARE

2

3.5

0

0.01

| <u>Tool Name</u> | <u>Station Size</u> | <u>Angles</u> | <u>Die Clearance</u> |
|-------------------------------------|---------------------|--------------------------|----------------------|
| .252 DIA. INT KEY .033 X.022 | 1 | 0.00 90.00 180.00 270.00 | 0.012 |
| 9213-6 BLANKING TOOL | 2 | 0.00 90.00 180.00 270.00 | 0.014 |
| CENTER PUNCH | 1 | | |
| CSK-D 100' X .179 X .067 X .060 | 1.25 | | |
| CSK-D 100' X .190 X .050 X .060 | 1.25 | | |
| CSK-D 100' X .196 x .145 x .025 mat | 1.25 | 0 | |
| CSK-D 100' X .210 X .098 X .060 | 1.25 | | |
| CSK-D 100' X .225 X .120 X .050 | 1.25 | | |
| CSK-D 100' X .235 X .135 X .042 | 1.25 | | |
| CSK-D 100' X .245 X .144 X .063 | 1.25 | | |
| CSK-D 100' X .280 X .188 X .090 | 1.25 | | |
| CSK-D 100' X .285 X .190 X .063 | 1.25 | | |
| CSK-D 100' X .290 X .156 X .063 | 1.25 | | |
| CSK-D 100' X .300 X .188 X .063 | 1.25 | | |
| CSK-D 100' X .345 X .183 X .125 | 1.25 | | |
| CSK-D 100' X .390 X .163 X .120 | 1.25 | | |
| CSK-D 100' X .397 X .255 X .06 | 1.25 | 0 | |
| CSK-D 120' X .230 X .132 X .048 | 1.25 | | |
| CSK-D 120' X .250 X .128 X .125 | 1.25 | | |
| CSK-D 120' X .281 X .136 X .090 | 1.25 | | |
| CSK-D 82' X .125 X .230 WEID | 1 | 82 | |
| CSK-D 82' X .175 X .130 X .032 | 1.25 | | |
| CSK-D 82' X .180 X .111 X .050 | 1.25 | | |
| CSK-D 82' X .198 X .105 X .06WDIE | 1.25 | | |
| CSK-D 82' X .218 X .115 X .059 | 1.25 | | |
| CSK-D 82' X .230 X .130 X .06 | 1.25 | | |
| CSK-D 82' X .230 X .137 X .055 | 1.25 | | |
| CSK-D 82' X .235 X .131 X .075 | 1.25 | | |
| CSK-D 82' X .240 X .125 X .08MATE | 1.25 | | |
| CSK-D 82' X .255 X .140 X .125 | 1.25 | | |
| CSK-D 82' X .270 X .180 X .06 | 1.25 | | |
| CSK-D 82' X .290 X .152 X .100 | 1.25 | | |
| CSK-D 82' X .295 X .180 X .090 | 1.25 | | |

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|--|------|------|-------|--------|--------|
| CSK-D 82' X .305 X .136 X .125 | 1.25 | | | | |
| CSK-D 82' X .310 X .200 X .06MATE | 1.25 | | | | |
| CSK-D 82' X .310 X .201 X .074MATE | 1.25 | | | | |
| CSK-D 82' X .330 X .152 X .090 | 1.25 | | | | |
| CSK-D 82' X .335 X .212 X .090 | 1.25 | | | | |
| CSK-D 82' X .355 X .181 X .125 | 1.25 | | | | |
| CSK-D 82' X .368 X .171 X .125 | 1.25 | | | | |
| CSK-D 82' X .400 X .226 X .125 | 1.25 | | | | |
| CSK-D 82' X .500 X .400 X .06MATE | 1.25 | | | | |
| CSK-D 82' X 230 X .156 X .055 | 1.25 | | | | |
| CSK-D 90' X .208 X .102 X .06 | 1.25 | | | | |
| CSK-D 90' X .230 X .140 X .06 | 1.25 | | | | |
| CSK-D 90' X .230 X .200 X .030 | 1.25 | | | | |
| CSK-D 90' X .265 X .142 X .125 | 1.25 | | | | |
| CSK-D 90' X .365 X .177 X .125 | 1.25 | | | | |
| CSK-D ADJUSTABLE 82' | 0.5 | | | | |
| CSK-U 100' X .225 X .06MAT Mate 03039114 | 1.25 | | | | |
| CSK-U 100' X .285 X .165 X .06MAT Mate | 1.25 | | | | |
| CSK-U 120' X .190 .06MAT Amada S1004180633 | 1.25 | | | | |
| CSK-U 120' X .230 X .132 X .048 | 1.25 | | | | |
| CSK-U 82' X .210 X .089 x .093 | 1.25 | | | | |
| CSK-U 82' X .230 X .137#08990807 | 1.25 | | | | |
| CSK-U 82' X .295 X .09 MAT. | 1.25 | | | | |
| CSK-U 82' X.225 X .129 X.06 MAT | 1.25 | | | | |
| CSK-U 90' X .325 X .190 X .090 | 1.25 | | | | |
| EXTRUDE#4-40 MAT=.06 AL | 1.25 | | | | |
| Extruded Kit | 1.25 | | | | |
| M4 extusion-Thermadyne | 1.25 | | 0 | | |
| M4 Tap-Themadyne | 2 | | 0 | | |
| QINETIQ .75 x 1.35 Single D | 2 | 0.00 | 90.00 | 0.030 | 0.037 |
| STAMP DOWN 3.5 | 3.5 | 0.00 | 90.00 | 180.00 | 270.00 |
| STAMP-DOWN 2-LINE | 3.5 | 0.00 | 90.00 | 180.00 | 270.00 |
| STAMP-DOWN CENTRUM | 3 | 0.00 | 90.00 | 180.00 | 270.00 |
| STAMP-UP | 3.5 | 0.00 | 90.00 | 180.00 | 270.00 |

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| TAP 10-32 | 2 |
| TAP 2-56 | 2 |
| TAP 4-40 | 2 |
| TAP 6-32 | 2 |
| TAP 8-32 | 2 |
| TAP M3-6H | 2 |