**Gauges, Formulas and other Information**

**Sheet Metal Gauges**

**Fasteners and Finish Process**

**Tap Chart**

**Engineering**

**CAD Capabilities**

**Tooling Lists**

**Amada**

**Rounds**

**Obrounds**

**Rectangles**

**Radius Rectangles**

**Square**

**"D" Shapes**

**Corner Radius**

**Special Shapes**

**Standard Sheet Metal Thickness Gauges In Inches**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gauge** | **Standard SteelThickness** | **Galvanized SteelThickness** | **AluminumThickness** |
| 3 |   |   | .25 |
| 4 |   |   |   |
| 5 |   |   | 0.188 |
| 6 |   |   | 0.16 |
| 7 |   |   |   |
| 8 |   |   | 0.125 |
| 9 |   |   |   |
| 10 | 0.1345 | 0.1382 | .1 |
| 11 |   |   | 0.09 |
| 12 | 0.1046 | 0.1084 | .08 |
| 13 | 0.0897 |   |   |
| 14 | 0.0747 | 0.0785 | .0.63 |
| 15 |   |   |   |
| 16 | 0.0598 | 0.0635 | 0.05 |
| 17 |   |   |   |
| 18 | 0.0478 | 0.0516 | 0.04 |
| 19 |   |   |   |
| 20 | 0.0359 | 0.0396 | 0.032 |
| 21 |   |   |   |
| 22 | 0.0299 | 0.0336 | 0.025 |
| 23 |   |   |   |
| 24 | 0.0239 | 0.0276 | 0.02 |
| 25 |   |   |   |
| 26 | 0.0179 | 0.0217 | 0.016 |

**Fastener Selection Considering Finish Process**

**By Pat Keating**

**Zinc, Tin, Copper, Bright Nickel or Electroless Nickel**

(Good)    Carbon steel plated or unplated. Unplated is preferred because cleaning steps will strip plated fasteners.

(Bad)    Aluminum fasteners will be destroyed in the plating process. Stainless steel fasteners can be plated but at a higher cost due to added prep steps to make plating stick to stainless steel.

**Chromate Conversion Coating (Chemtreat)**

(Good)    Stainless steel or aluminum fasteners.

(Bad)    Carbon steel in a part voids our ability to etch the part resulting in a less than perfect finish.

**Iron Phosphate**

(Good)    Carbon steel or stainless steel. (Aluminum fastener is acceptable in a spraywash phosphate system only)

(Bad)    Aluminum is unacceptable with emersion process because fastener is damaged in the process.

**Sulfuric Anodize**

(Good)    Aluminum

(Bad)    Both carbon steel and stainless steel fasteners along with part are damaged in this process.

**Passivation**

(Good)    Stainless steel

(Bad)    Aluminum and carbon steel are damaged in this process.

Leadloy fasteners cause problems when installed in parts that require heavy pickling before plating. Pickling is always required, heavy pickling is required if: 1. Hot rolled scale on part. 2. Rust on parts. 3. Heatscale from welding on parts.

**AMADA (ROUNDS)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| "A" | Clearance | "A" | Clearance | "B" | Clearance |
| .062 | .006/9/12 | .213 | .006/9/12 | .400 | 0.008 |
| .062 | Stubby Style | .216 | .006/9/12 | .432 |   |
| .067 | .006/9/12 | .218 | .006/9/12 | .515 | 0.009 |
| .072 | .006/9/12 | .221 | .006/9/12 | .530 | 0.012 |
| .078 | .006/9/12 | .225 |   | .551 | 0.006 |
| .089 | .006/9/12 | .230 |   | .562 |   |
| .090 | .006/9/12 | .234 | .006/9/12 | .591 | 0.008 |
| .093 | .006/9/12 | .236 | .006/9/12 | .596 |   |
| .098 | .006/9/12 | .237 |   | .603 |   |
| .100 | .006/9/12 | .242 |   | .610 | 0.008 |
| .102 | 4-40 Form Tap | .250 | .006/9/12 | .625 | .006/9 |
| .106 | Stubby Style | .253 | .006/9/12 | .630 |   |
| .106 | .006/9/12 | .256 | 0.008 | .650 | .006/12 |
| .109 | .006/9/12 | .260 | .006/9/12 | .658 | 0.009/20 |
| .111 | .006/9/12 | .265 | .006/9/12 | .688 | 0.006 |
| .113 | .006/9/12 | .268 | .006/9/12 | .703 |   |
| .116 |   | .274 |   | .710 | 0.008 |
| .120 | .006/9/12 | .278 |   | .718 |   |
| .122 |   | .281 | .006/9/12 | .750 | .006/9 |
| .125 | .006/9/12 | .284 | .006/9/12 | .753 |   |
| .127 |   | .292 | .006/9/12 | .812 |   |
| .128 | .006/9/12 | .298 |   | .843 |   |
| .132 | .006/9/12 | .300 | .006/9/12 | .869 |   |
| .135 | .006/9/12 | .302 |   | .875 | 0.02 |
| .137 | .006/9/12 | .312 | .006/9/12 | .890 | 0.01 |
| .140 | .006/9/12 | .316 | .006/9/12 | .984 | 0.016 |
| .140 | Stubby Style | .328 | .006/9/12 | 1.000 |   |
| .144 | .006/9/12 | .330 | 0.012 | 1.032 |   |
| .147 | 0.012 | .344 | .006/9/12/20 | 1.062 | 0.012 |
| .150 | .006/9/12 | .346 | .006/9/12 | 1.125 | 0.01 |
| .152 | Table Cell | .350 | 0.006 | 1.150 | 0.012 |
| .156 | .006/9/12 | .371 | 0.006 | 1.181 | 0.008 |
| .160 | .006/9/12 | .375 | .006/9/12 | 1.220 | 0.01 |
| .163 | .006/9/12 | .380 |   | 1.250 | .008/12/20 |
| .166 | .006/9/12 | .382 |   | "C" | Clearance |
| .168 | .006/9/12 | .386 |   | 1.357 | 0.012 |
| .170 |   | .390 | .006/9/12 | 1.5 | 0.008/14 |
| .171 |   | .398 | 0.008 | 1.514 | 0.01 |
| .172 | .006/9/12 | .400 | 0.008 | 1.625 | 0.008 |
| .175 | .006/9/12 | .406 | .006/9/12 | 1.750 | 0.01 |
| .180 | .006/9/12 | .416 | .006/9/12 | 1.800 | 0.014 |
| .187 | .006/9/12 | .425 | 0.008/12 | 1.850 | 0.02 |
| .189 | .006/9/12 | .437 | .006/9/12 | 1.980 | .006/12 |
| .191 | .006/9/12 | .440 | .006/9/24 | 2.000 | .006/12 |
| .196 | .006/9/12 | .453 | .006/12 | "D" | Clearance |
| .201 | .006/9/12 | .468 | .006/9/12 | 2.062 | 0.008/14 |
| .203 | .006/9/12 | .472 |   | 2.093 | 0.008/14 |
| .206 |   | .484 | .006/9/12 | 2.200 | .016 |
| .210 |   | .500 | .006/9/12 | 2.500 | 0.008/14 |
|   |   |   |   | 2.880 | .012 |
|   |   |   |   | 3.000 | .014 |
|   |   |   |   | 3.375 | 0.008/14 |
|   |   |   |   | 3.500 | .010 |

**AMADA (OBROUNDS)**

|  |  |  |  |
| --- | --- | --- | --- |
| "A" | Clearance | "B" | Clearance |
| .040 X .375 | 0.006 | .062 X .260 | .006/12 |   |   |
| .062 X .2620 | .008/14 | .062 X .500 | .004/6/10/12/14 |   |   |
| .094 X .125 | .008/14 | .062 X 1.00 | .006/8/14 |   |   |
| .094 X .312 | .006/12 | .078 X .500 | .008/14 |   |   |
| .120 X .218 | .006/12 | .094 X .500 | .008/14 |   |   |
| .125 X .156 | .006/12 | .094 X .750 | 0.014 |   |   |
| .125 X .187 | .010/14 | .094 X 1.000 | .006/16 |   |   |
| .125 X .250 | .008/14 | .125 X .625 | .008/14 |   |   |
| .125 X .375 | .006/12 | .125 X .750 | .006/8/9/12/14 |   |   |
| .136 X .176 | .012 | .125 X 1.000 | .009/14 |   |   |
| .148 X .270 | .006/9 | .140 X .790 | 0.02 |   |   |
| .158 X .188 | 0.01 | .156 X .250 | .006/8/10/14 |   |   |
| .156 X .375 | 0.014 | .156 X .312 | 0.014 |   |   |
| .156 X .431 | .008/20 | .156 X 1.000 | .006/12 |   |   |
| .157 X .394 | 0.012 | .166 X .312 | .006/12 |   |   |
| .172 X .250 | 0.012 | .172 X .375 | .008/14 |   |   |
| .187 X .250 | .008/14 | .172 X .900 | .008/14 |   |   |
| .187 X .375 | .006/12 | .187 X .375 |   |   |   |
| .188 X .313 | 0.025 | .187 X .500 | .008/14 |   |   |
| .190 X .240 | 0.012 | .187 X .625 | .008/14 |   |   |
| .196 X .285 | 0.012 | .187 X .750 | .008/14 |   |   |
| .218 X .375 | .005/12 | .187 X 1.000 | .008/14 |   |   |
| .250 X .405 | 0.025 | .203 X .312 |   |   |   |
| .250 X .420 | .006/12/20 | .203 X .500 | .008/14 |   |   |
| .256 X .335 | 0.008 | .203 X 1.000 | .008/14 |   |   |
| .260 X .390 | 0.014 | .218 X 1.000 | .008/14 |   |   |
| .281 X .375 | .008/14 | .221 X .500 | .009/12 |   |   |
| .282 X .438 | 0.024 | .250 X .375 | .006/10/12 |   |   |
| .200 X .300 | .006/12/20 | .250 X .500 | .006/10/12 |   |   |
| .203 X .375 | .008/14 | .250 X .625 | .008/14 |   |   |
| .300 X .400 | .006/14 | .250 X .750 |   |   |   |
| .300 X .450 | .006/14 | .250 X 1.000 | .006/7/10/12/14 |   |   |
|   |   | .265 X .705 | 0.009 |   |   |
|   |   | .278 X .406 | .008/14/20 |   |   |
|   |   | .280 X .560 |   |   |   |
|   |   | .281 X .750 | .008/14 |   |   |
|   |   | .281 X 1.000 | .006/12/14 |   |   |
|   |   | .312 X .500 | .006/12 |   |   |
|   |   | .312 X .625 | .006/12 |   |   |
|   |   | .312 X .750 | .008/14 |   |   |
|   |   | .312 X .900 | .009/12 |   |   |
|   |   | .312 X 1.000 | .008/14 |   |   |
|   |   | .343 X 1.000 | .014/20 |   |   |
|   |   | .375 X .500 | .008/14/40 |   |   |
|   |   | .375 X .625 | 0.01 |   |   |
|   |   | .375 X .750 | .008/14 |   |   |
|   |   | .375 X 1.000 | .008/14 |   |   |
|   |   | .382 X .500 | 0.02 |   |   |
|   |   | .500 X 1.000 | 0.009 |   |   |

**AMADA (RECTANGLES)**

|  |  |  |  |
| --- | --- | --- | --- |
| "A" | Clearance | "B" | Clearance |
| .031 X .450 | 0.006 | .062 X .260 | .006/12 |   |   |
| .062 X .094 | 0.008/14 | .062 X .500 | 0.008/14 |   |   |
| .068 X .255 | 0.012 | .062 X .950 | 0.014 |   |   |
| .094 X .250 | 0.01 | .094 X .750 | .006/.012 |   |   |
| .094 X .256 | 0.008/14 | .100 X .500 | 0.008/14 |   |   |
| .079 X .161 | 0.014/18 | .100 X 1.000 | 0.014 |   |   |
| .100 X .200 | .006/12 | .125 X .400 | .006/.012 |   |   |
| .100 X .450 | .006/12 | .125 X .500 | 0.008/14 |   |   |
| .110 X .240 | 0.014 | .125 X .750 | 0.008/14 |   |   |
| .105 X .290 | 0.008 | .125 X 1.000 | .006/8/9/12/14 |   |   |
| .125 X .250 | 0.008/14 | .125 X 1.200 | .006/8/9/12/14 |   |   |
| .125 X .290 | .006/12/14/20 | .144 X .744 | .008/12 |   |   |
| .125 X .375 | .006/12/16 | .156 X 1.000 | .006/12 |   |   |
| .150 X .400 | .006/12 | .187 X .500 | 0.008/14 |   |   |
| .156 X .375 | .006/12 | .187 X .750 | .006/12 |   |   |
| .187 X .270 | 0.008/14 | .187 X 1.000 | 0.008/14 |   |   |
| .187 X .375 | .006/12 | .200 X .500 |   |   |   |
| .200 X .300 | 0.008/14 | .200 X .625 | 0.008/14 |   |   |
| .200 X .340 | 0.015 | .200 X .750 | 0.008/14 |   |   |
| .200 X 450 | .006/8/9/12/14/16 | .200 X 1.000 | .006/8/9/12/14 |   |   |
| .209 X .250 | 0.008/14 | .200 X 1.200 | .006/9/12/20/40 |   |   |
| .215 X .410 | .010/25 | .235 X .406 | .006/12 |   |   |
| .218 X .375 | 0.008/14 | .250 X .750 | 4/6/8/10/12/14/20 |   |   |
| .229 X .394 | 0.016 | .250 X .830 | 0.008/14 |   |   |
| .235 X .406 | .006/12 | .250 X 1.000 | 4/6/8/10/12/14/20/40 |   |   |
| .246 X .428 | 0.008 | .262 X .484 | 0.008/14 |   |   |
| .270 X .420 | 0.008/14 | .300 X .500 | 0.008/14 |   |   |
| "C" | Clearance | .306 X .359 | .006/12/24 |   |   |
| .200 X 1.500 | .006/12/16/20 | .312 X 1.000 | 0.008/14 |   |   |
| .200 X 1.950 | .004/6/9/1/2/24 | .330 X .530 | 0.008/14 |   |   |
| .200 X 1.950 | .006/9/12 | .340 X .620 | 0.008/14 |   |   |
| .750 X 1.500 | 0.009 | .340 X .800 | 0.008/12 |   |   |
| .815 X 1.030 | 0.016 | .350 X 1.000 | 0.008/12 |   |   |
| .830 X 1.440 | 0.01 | .360 X .460 | .006/8/10/14 |   |   |
| "D" | Clearance | .375 X .500 | 0.006/12 |   |   |
| .200 X 3.000 | .006/9/12/20 | .375 X .750 | 0.008/14 |   |   |
| .200 X 3.000 Clamp | .006/9/12 | .375 X 1.000 | .006/12/14 |   |   |
| .080 X 2.698 | 0.014 | .430 X .830 | 0.008/14 |   |   |
| "E" | Clearance | .460 X .660 | .006/12 |   |   |
| .200 X 4.000 | .006/9/12/20 | .480 X 1.080 | .006/8/10/12/14 |   |   |
| .200 X 4.000 Clamp | .006/9/12/30 | .500 X 1.000 | 0.008/14 |   |   |
|   |   | .508 X .756 |   |   |   |
|   |   | .530 X .760 |   |   |   |
|   |   | .550 X .650 | .006/8/12/14 |   |   |
|   |   | .550 X 1.125 | .006/8/10/14 |   |   |
|   |   | .565 X 1.030 | 0.016 |   |   |

**AMADA (Rectangles Radii)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| "A" | Clearance |   |   |   |   |
| .063 X .190 W/.020Rad | 0.006 |   |   |   |   |
| "B" | Clearance |   |   |   |   |
| .120 X .390 W/.040 Rad | 0.021 |   |   |   |   |
| .341 X .750 W/.031 Rad | 0.016 |   |   |   |   |
| .551 x .551 W/.03 Rad | 0.01 |   |   |   |   |
| .750 X 1.040 W/.063 Rad | 0.012 |   |   |   |   |
| .775 X .775 W/.100 Rad | 0.014 |   |   |   |   |
| .827 x .827 W/.039 Rad | 0.012 |   |   |   |   |
| .850 X .900 W/.235 Rad | 0.012 |   |   |   |   |
| "C" | Clearance |   |   |   |   |
| .449 X 1.299 W/.020 Rad | 0.021 |   |   |   |   |
| "D" | Clearance |   |   |   |   |
| 1.180 X 1.350 W/.205Rad | 0.009 |   |   |   |   |

**AMADA (SQUARES)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| "A" | Clearance | "B" | Clearance | "C" | Clearance |
| .125 SQ 0A° 45 | .006/8/12/14 | .265 | .006/8/10/18 | 1.000 SQ 0A° 45 | .006/12 |
| .156 SQ 0A° 45 | .006/8/12/14 | .375 SQ 0A° 45 | .006/8/12/14 | "D" | Clearance |
| .187 SQ 0A° 45 | .006/8/12/14 | .400 | .006/12 | 2.000 | .006/12 |
| .200 SQ 0A° 45 | .006/8/12/14 | .430 | 0.01 |   |   |
| .210 SQ 0A° | 0.006 | .450 | 0.01 |   |   |
| .236 SQ 0A° | .006/8/12/14 | .500 SQ 0A° 45 | .006/8/12/14 |   |   |
| .250 SQ 0A° 45 | .006/8/12/14 | .612 | .006/12 |   |   |
| .281 SQ 0A° 45 | .006/8/12/14 | .625 SQ 0A° 45 | .006/12 |   |   |
| .312 SQ 0A° 45 | .006/8/12/14/16 | .650 SQ 0A° 45 | .008/14/40 |   |   |
| .350 SQ 0A° | .006/7/8/10/12/14 | .725 45 | 0.01 |   |   |
|   |   | .750 SQ 0A° 45 | .006/8/12/14 |   |   |
|   |   | .812 SQ 0A° 45 | .008/14 |   |   |
|   |   | .830 | .006/8/12/14/20 |   |   |
|   |   | .875 SQ 0A° 45 | 0.008/14 |   |   |

**AMADA ("D" Shapes)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Single "D" |   |   |   |   |   |
| "A" | Clearance | "B" | Clearance |   |   |
| .238 x .250 | 0.008 | .475 x .510 | 0.010/20 |   |   |
| .240 x .260 | 0.006 | .495 x .525 | 0.010 |   |   |
| .350 x .380 | .012/25 | .568 x .618 | 0.016 |   |   |
|   |   | .590 x .625 | 0.014 |   |   |
|   |   | .615 x .629 | 0.008 |   |   |
| **Double "D"** |   |   |   |   |   |
| "B" | Clearance |   |   |   |   |
| .550 x .641 | 0.010 |   |   |   |   |
| .615 x .654 | 0.010 |   |   |   |   |
| .636 x .750 | 0.006 |   |   |   |   |
| .656 x .718 | 0.006 |   |   |   |   |
| .660 x .750 | .006/14 |   |   |   |   |

**AMADA (CORNER RADII)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| "A" | Clearance | "B" | Clearance | "C" | Clearance |
| .035 CORNER R (.2702) | .006/12 | .156 CORNER R (.5122) | .006/12 | .625 CORNER R (1.4502) | .006/12 |
| .062 CORNER R (.3242) | .006/12  | .188 CORNER R (.5762)  | .006/12/20 |   |   |
| .094 CORNER R (.4502) | .006/12 | .220 CORNER R (.6402) | 0.014 |   |   |
| .125 CORNER R (.4502) | .006/12 | .250 CORNER R (.7002) | .006/12 |   |   |
|   |   | .375 CORNER R (.9502) | .006/12/20/25 |   |   |
|   |   | .500 CORNER R (1.2002) | .006/12 |   |   |

**COUNTERSINKS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| WT- 388183-10.220 DIA X 82°  |
| WT-02688009.225 DIA X 82°  |
| WT-060249.280 DIA X 82°  |
| WT-062184.280 DIA X 82°  |
| WT-062185.235 DIA X 82°  |
| WT-063047.330 DIA X 82°  |
| WT-075494.285 DIA X 100°  |
| WT-075882.180 DIA X 82°  |
| WT-083492.285 DIA X 100°  |
| WT-086399.280 DIA X 100°  |

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| WT-096333.330 DIA. X 82°  |
| WT-117582-20.345 DIA X 82°  |
| WT-124727-20.350 DIA X 82°  |
| WT-132998-40.240 DIA X 100°  |
| WT-136779-10.225 DIA X 100°  |
| WT-146880-10.270 DIA. X 100°  |
| WT-159634-10.260 DIA X 100°  |
| WT-165554-40.230 DIA X 82°  |
| WT-165554-40.230 DIA X 100°  |
| WT-184456-10.265 DIA. X 82°  |

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| WT-2009316.215 DIA X 100°  |
| WT-2015073.330 DIA X 82°  |
| WT-2018380.240 DIA X 100°  |
| WT-2052642.220 DIA. X 120°  |
| WT-2052643.250 DIA. X 100°  |
| WT-2054735.375 DIA. X 100°  |
| WT-2074711.238 DIA X 90°  |
| WT-2078272.260 DIA. X 100°  |
| WT-2078273.260 DIA. X 100°  |
| WT-2082686.175 DIA X 82° |

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| WT-2083494.279 DIA. X 82°  |
| WT-2087443.280 DIA. X 82°  |
| WT-2109602.225 DIA X 100°  |
| WT-2126160.180 DIA. X 100°  |
| WT-2134433.230 DIA X 90°  |
| WT-2147222.300 DIA X 82°  |
| WT-2153861.195 DIA X 100°  |
| WT-2159321.250 DIA. X 82°  |
| WT-2164433.355 DIA X 82°  |
| WT-2165280.230 DIA X 90°  |

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| WT-219398-10.135 DIA X 100°  |
| WT-225865-10.345 DIA X 82°  |
| WT-2268173.300 DIA X 82°  |
| WT-2292868.300 DIA X 82°  |
| WT-2292884.240 DIA X 100°  |
| WT-2302933.235 DIA X 82°  |
| WT-234047-20.265 DIA X 120°  |
| WT-2345902.370 DIA X 82°  |
| WT-243864-10.235 DIA X 90°  |
| WT-2473505.300 DIA X 82°  |

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| WT-2498069.295 DIA X 82°  |
| WT-2498070.340 DIA X 82°  |
| WT-2672189.230 DIA X 82°  |
| WT-274582-130.146 DIA X 82°  |
| WT-2786178.345 DIA X 82°  |
| WT-279766-10.400 DIA X 82°  |
| WT-279766-20.265 DIA X 120°  |
| WT-380152-10.140 DIA X 100°  |
| WT-388183-10.215 DIA X 100°  |
| WT-6350.340 DIA. X 100 |

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| WT-80276662.230 DIA X 82°  |
| WT-804151.385 DIA X 82°  |
| WT-821376.235 DIA X 100°  |
| WT-861049.235 DIA X 82°  |
| WT-869147.215 DIA X 100°  |
| WT-876048.410 DIA. X 120°  |
| WT-877223.440 DIA. X 100°  |
| WT-919540.345 DIA. X 100°  |
| WT-926829.285 DIA X 82°  |

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| **SPECIAL SHAPES** |  |  |
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| WT-368355-364.200 X .375 Bow Tie Tool |
| WT-394870-10"A" Center Punch Tool  |
| WT-396418-130I.000 Inside Rad. Banana Punch  |
| WT-401905-321/8" Half Shear F/U  |
| WT-402642-70DB-9 Tool .447 X .810  |

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| WT-458173-40.050 Diam. Dimple F/U  |
| WT-458173-70Ground Symbol W/Circle F/U  |
| WT-492070-120Thread Form F/U For # 12 Screw  |
| WT-502203-10Thread Form F/U For # 8 Screw  |
| WT-510331-10EXTRUSION .3585 DIAM. X .119 HIGHT  |

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| WT-548404-1100.750 Inside Rad. Banana Punch  |
| WT-574311-40BowTie .200 x 1.200  |

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