

COUNTERBORE TOOLS - FORM UP

| MAT | HOLE | CTBR | CBDP | PRE | MID-WEST# |
|------------|-------------|-------------|-------------|------------|------------------|
| 0.187 | | 0.650 | 0.030 | | CBU507 |

COUNTERBORE TOOLS - FORM DOWN

| MAT | HOLE | CTBR | CBDP | PRE | MID-WEST# | NOTES |
|------------|-------------|-------------|-------------|------------|------------------|--------------|
| .063 | | 0.312 | 0.030 | | CB134 | |
| .063 | 0.187 | 0.283 | 0.020 | 0.205 | CB135 | (M545) |
| .063 | 0.149 | 0.312 | 0.032 | 0.234 | CB519 | |
| .090 | 0.250 | 0.375 | 0.025 | 0.318 | CB515 | |
| .090 | 0.257 | 0.375 | 0.030 | 0.290 | CB599 | |
| .100 | 0.180 | 0.280 | 0.028 | 0.234 | CB516 | |

COUNTERSINK TOOLS - FORM UP

| MAT | HOLE | CTSK | DEG | PRE | MID-WEST# |
|------------|-------------|-------------|------------|------------|------------------|
| 0.040 | 0.234 | 0.394 | 90 | 0.203 | CS687 |
| 0.060 | 0.148 | 0.244 | 90 | 0.173 | CSU567 |
| 0.080 | 0.216 | 0.354 | 100 | 0.189 | CSU651 |
| 0.090 | 0.156 | 0.290 | 82 | | CSU502 |
| 0.090 | 0.267 | 0.440 | 90 | 0.296 | CSU692 |

COUNTERSINK TOOLS - FORM UP AND DOWN

| MAT | HOLE | CTSK | DEG | PRE | MID-WEST# |
|------------|-------------|-------------|------------|------------|------------------|
| 0.125 | 0.125 | 0.185 | 90 | 0.136 | CSUD518 |