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## Standard Sheetmetal Tolerancing

Date: 8/28/2013

These tolerances apply unless otherwise specified on customer drawings or industry specification.  
 Unless otherwise specified all dimensions are in inches.

| Hole Diameter              | Linear Tolerances                                     |
|----------------------------|---|
| Unless otherwise specified |   |
| .050 - .250 ± .005         | Cut Feature to Cut Feature ± .005                     |
| .251 - .500 ± .005         | Cut Feature to Cut Feature (over 24.00") ± .010       |
| .501 - 1.000 ± .010        | Cut Feature to Cut Feature (over 48.00") ± .020       |
| 1.001 - 3.000 ± .015       | Cut Edge to Cut Edge ± .010                           |
| 3.001 - 10.000 ± .015      | Cut Edge to Cut Edge (over 24.00") ± .020             |
|                            | Cut Edge to Cut Edge (over 48.00") ± .030             |
| Hardware Hole Diameter     |   |
| All Diameters +.003/-.00   | Cut Feature to Fold ± .020                            |
|                            | Cut Feature to Fold (over 24.00") ± .030              |
|                            | Cut Feature to Fold (over 48.00") ± .030              |
| Angular Tolerance ± 1°     |   |
|                            | Fold to Fold ± .010                                   |
|                            | Fold to Fold (over 24.00") ± .020                     |
|                            | Fold to Fold (over 48.00") ± .030                     |
|                            | Cut Feature to Cut Feature over multiple bends ± .030 |
| Linear Machine Tolerance   |   |
|                            | All Dimensions ± .005                                 |

| Revision History |      |                        |           |                   |
|------------------|------|------------------------|-----------|-------------------|
| Rev              | Page | Description            | Date      | Revised By        |
| -                | 1    | New Issue              | 8/15/2011 |                   |
| A                | 1    | Update electronic file | 8/28/2013 | Stash Boguszewski |

### Reference only when printed

#### Approvals

| Name          | Title                     | Initial | Name        | Title           | Initial |
|---------------|---------------------------|---------|-------------|-----------------|---------|
| Phil Cardwell | Quality Assurance Manager | PC      | Sean Evango | Shop Supervisor | SE      |
| Nick Ricard   | V.P./General Manager      | NR      |             |                 |         |

**Owner: Phil Cardwell**

Revision:  
A

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