Design Guidelines

Design Guidelines For Cut Features

Distance Between Features

A minimum distance between features should be maintained to ensure the integrity of the cut. Following the guidelines below will ensure reliable results no matter the sheet cutting method.

MT - Material Thickness

- . Minimum Hole to Edge Distance = 2X MT or 3 mm, whichever is smaller
- · Minimum Hole to Hole Distance = 6X MT or 3 mm, whichever is smaller
- . Minimum Relief Cuts = 0.25 mm or 1X MT, whichever is greater
- Minimum Corner Fillets = 0.5X MT or 3 mm, whichever is smaller.
- . Minimum Tab Thickness = 1.6 mm or 1X MT, whichever is greater
- . Minimum Slot Thickness = 1 mm or 1X MT, whichever is greater

Minimum Detail Sizes

Before a feature is cut, the tool (e.g. laser beam, waterjet stream, etc.) must pierce through the material at the start point of the cut. Holes and other internal shapes should be sized appropriately to allow for this action.

A good rule of thumb is to design your details to be at least 50% of the material's thickness or larger. Also, remember to account for kerf width, as features that are designed below the kerf width will become blown out or lost.



Design Guides For Sheet Metal Fabrication

WJ Hussar

Design Guides For Sheet Metal Fabrication:

Decoding **Design Guides For Sheet Metal Fabrication**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Design Guides For Sheet Metal Fabrication**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring affect our lives. In this appraisal, we shall explore the book is central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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