WORTHINGTON INDUSTRIES

Learn how our Material Support & Solutions team solved this customer material issue:

FORMING CHALLENGE



THE PROBLEM:

The customer noticed a nonconcentric draw intermittently occurring on a drawn cup (earing).

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THE ANALYSIS:

Steel is generally not conducive for drawing evenly due to anisotropic properties, which can cause earing and ultimately lead to short draw height, excess scrap and potentially thinning of steel.



THE SOLUTION:

After microstructural analysis and review of chemistry, different alloying and hot mill processing requirements were selected, resulting in a more uniform microstructure and minimized earing.

THE ACTION:

When you want to minimize earing and produce parts with improved dimensions or reduce scrap, for any drawn cup that has earing tendencies on rim of drawn edges, contact the Material Support & Solutions team at Worthington.

CALL US AT 1-800-944-2255

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