



WORTHINGTON
INDUSTRIES

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

CRACKING ON BEND



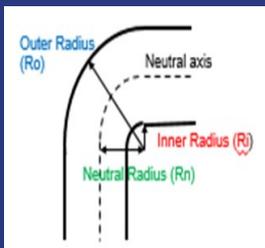
THE PROBLEM:

Customer had a new part that exhibited fracturing and peeling of zinc coating, resulting in material loss and unplanned sorting.



THE ANALYSIS:

Customer provided parts to our Metallurgists, they analyzed the steel properties, fracture cross sections and metal strains to find that the Ultimate Tensile Strength was being exceeded in critical areas on the part.



THE SOLUTION:

Optimized material properties and die design for successful part forming, eliminated cracking at the bend area saving sorting cost, post inspection and material loss.

THE ACTION:

If material properties and forming conditions should be evaluated together to find more information and the root cause is cracking problems, contact the Material Support & Solutions team at Worthington to have optimized together

CALL US AT 1-800-944-2255

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