

# ZAPP TOOLING ALLOYS, INC.

## Z-WEAR PM<sup>®</sup> CASE STUDY

### PROFILE INSERT COIN PROTECTOR

# ZAPP

#### TOOL TYPE

Profile Insert with Coin Protector

#### WORK MATERIAL

1040 Cold Rolled Steel .134" thickness

#### PROBLEM IDENTIFICATION

The coin protectors continually broke inserts when using PM A11 at Rc 60-62. The life cycle of the inserts was between 5,000 and 10,000 hits before breaking causing excessive downtime.

#### SOLUTION

Z-Wear PM at Rc 62-64

#### RESULTS

The Z-Wear PM insert ran a total of 24,000 hits with no breakage. The insert experienced normal wear, was resharpened and put back into production. Z-Wear PM has the right combination of toughness, wear resistance and compressive strength to handle this application resulting in an average of 300% productivity improvement.



Z-Wear PM<sup>®</sup> is a registered trademark of Zapp Tooling Alloys

#### TOOLING ALLOYS

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Further information regarding our products and locations are available in our image brochure and under [www.zapp.com](http://www.zapp.com)

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