ZAPP TOOLING ALLOYS, INC.
Z-WEAR PM® CASE STUDY
COINING PUNCH APPLICATION

TOOL TYPE
Coin Punch

WORK MATERIAL
430 SS .031 thick

ORIGINAL TOOLING MATERIAL
AISI M2

PROBLEM IDENTIFICATION
AISI M2 chipped, cracked and/or fractured in this application. Customer attempted to improve performance by adjusting Rockwell C hardness with no improvements. Problem resulted in excess tooling costs, unscheduled down time and expedited freight charges.

SOLUTION
Z-Wear PM®

RESULTS
The Z-Wear PM® Coin punch extended tool life by 500% on average compared to AISI M2. The improved toughness of Z-Wear PM® eliminated chipping and breakage allowing the punch to wear. Downtime has decreased dramatically and shipments are on schedule!

Further information regarding our products and locations are available in our image brochure and under www.zapp.com

The illustrations, drawings, dimensional and weight data and other information included in these data sheets are intended only for the purposes of describing our products and represent non-binding average values. They do not constitute quality data, nor can they be used as the basis for any guarantee of quality or durability. The applications presented serve only as illustrations and can be construed neither as quality data nor as a guarantee in relation to the suitability of the material. This cannot substitute for comprehensive consultation on the selection of our products and on their use in a specific application. The brochure is not subject to change control.

Last revision: October 2017