

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

ZAPP

TOOL TYPE

Fineblanking Punch

WORK MATERIAL

20MnCr5+H (550MPa) 7mm thickness

PROBLEM IDENTIFICATION

Premature failure due to chipping and edge cracks.
Previous material was D2 at Rc 60-62 with life cycle of 5,000 – 8,000 parts.

SOLUTION

Z-Wear PM at Rc 60-62

RESULTS

Z-Wear PM ran 20,000 – 25,000 parts with no chipping and normal wear. Productivity improved by 3-4 times because of the increased tool life.



TOOLING ALLOYS

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

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