

ZAPP TOOLING ALLOYS, INC.
Z-WEAR PM® CASE STUDY
COMPRESSION RING

ZAPP

TOOL TYPE

Compression ring

WORK MATERIAL

Balata Golf Balls

ORIGINAL TOOLING MATERIAL

A-6 Tool Steel (Vega®)

PROBLEM IDENTIFICATION

The D2 slotting punch experienced chipping which resulted in unscheduled down time.

SOLUTION

Z-Wear PM® heat treated to RC 60-62

RESULTS

The equipment used in the production of golf balls has compression rings on either side of the machine. They had been using A-6 tool steel but the compression rings had performed inconsistently because of premature breakage. Z-Wear PM® trials resulted in tool life that equals the very best of the A-6 with no instances of premature failure.

Vega® is a registered trademark of Carpenter Technology Corporation

Z-Wear PM® 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

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