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.

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Z-Wear PM® is a registered trademark of Zapp Tooling Alloys