

# Z-WEAR PM<sup>®</sup> Blanking Shell for Can Tooling

## TOOL TYPE

Blanking die for can tooling

## WORK MATERIAL

.007" thick stainless steel

## PROBLEM IDENTIFICATION

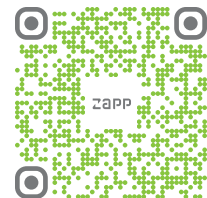
Blanking punch was made with D2 material at 60/62 HRc within a high speed press, over 400 SPM. The die would begin showing micro-chipping after one million hits, at closer to two million hits the die would begin showing excessive wear and galling causing problems in cutting the stainless steel. At this time the D2 blank would be out of round or non-concentric on OD tolerances. Die would be trashed.

## SOLUTION

Z-Wear PM at 60/62 HRc

## RESULTS

Z-Wear PM at the same hardness produced over four million hits without any signs of micro-chipping or galling. During a preventative maintenance inspection the tool room determined that the tool was still within OD tolerance and they were able to put tool back into press for the first time ever. Tool still running with original test piece.



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Last revision: October 2024