

Z-WEAR PM[®] Flange Punch | Gas Furnace Tooling

TOOL TYPE

Flange punch for tooling in a progressive die for gas furnace.

WORK MATERIAL

Aluminized 1018 cold-rolled steel at .034" thick

PROBLEM IDENTIFICATION

Previous tool steel used; D2 at 60/62 HRC ran for approximately 280,000 cycles when tool would be replaced during preventative maintenance check. Customer was never able to re-install following the preventive maintenance check due to excessive galling and wear.

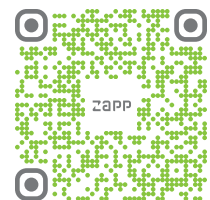
SOLUTION

Z-Wear PM at 60/62 HRC.

Tool was coated with the Omega Duplex coating by TCI Coatings.

RESULTS

Tool ran for over 450,000 cycles and made it until the preventative maintenance schedule at three months. The tool was returned to the press for the first time ever. No wear or galling present on tool. Cost savings were realized through increased productivity and lower maintenance costs.



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