TOOL TYPE
Blanking punch

WORK MATERIAL
.113” thick High Strength Low Alloy (HSLA)

PROBLEM IDENTIFICATION
D2 (Rc 60–62) was chipping at the corners after
700 hits resulting in unscheduled downtime, lower
production and higher tooling
costs. Most narrow point on the part is .143”, so a difficult
die design. Additional
materials were investigated with these results:

- K340 (Rc 58-60) 2,150 parts
- Vanadis (Rc 58-60) 2,340 parts
- Z-Wear PM (Rc 60-62) 3,000 parts
- Caldie (Rc 58-60) 4,500 parts

SOLUTION
Z-Tuff PM

RESULTS
Zapp’s Z-Tuff PM (Rc 58-60) successfully ran 17,500 parts
before requiring resharpening. Production levels improved
dramatically and tooling costs were reduced.