

DATA SHEET

Name of die
Blanking punch (Standardized)

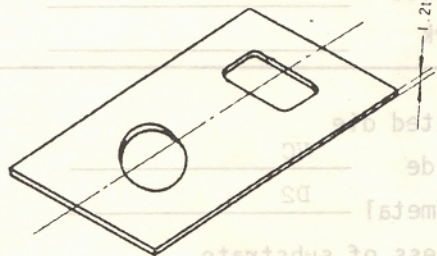
- An Example of profit obtained -

Year, month, day
Feb. 26, 1981

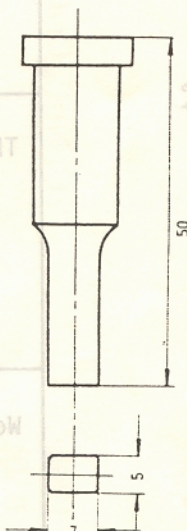
Mode of working
Stamping

Name of firm
Katoh Seisakujo

Sketch of product



Sketch of TD treated
punch



Work material (Product)

Material AISI 304

Size 1.2 mm

Hardness

Remark

TD treated die

Carbide VC

Base metal D2

Hardness of substrate

H_R 58 - 60

Remark

Working condition

Machine Progressive die

Load

Stroke 80 - 100 SPM

Clearance 5 - 7 %

Lubrication Applied

Temperature of work

Result

Base metal, Treatment and hardness of the die to be compared

D2, Hardened

H_R 63

Life and other evidences

TD die 80,000 - 100,000 shots / reg.

The die to be compared 30,000 - 40,000 shots / reg.

Profit obtained through application of TD process

1. Decrease in punch consumption
2. Decrease in shut-down time
3. Improvement in product quality