

DATA SHEET

Name of die
Shaving die

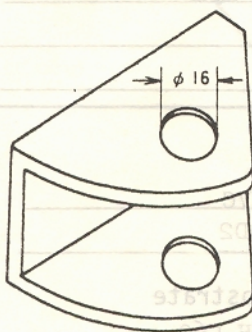
- An Example of profit obtained -

Year, month, day
Dec. 25, 1978

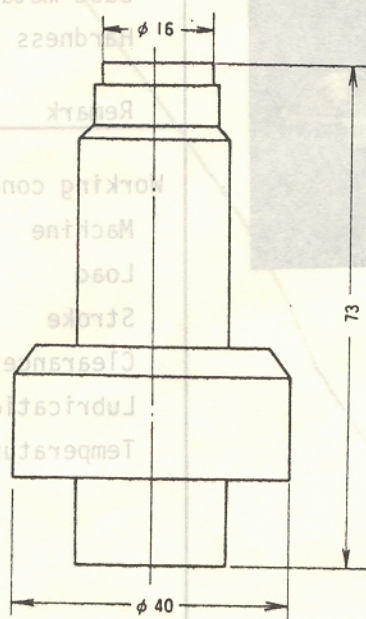
Mode of working
Stamping

Name of firm
Kyoei Kogyo Co.

Sketch of product



Sketch of TD treated punch



Work material (Product)

Material Mild steel

Size 6 mm t

Hardness

Remark

TD treated die

Carbide VC

Base metal D2

Hardness of substrate
HRC 57~58

Remark

Working condition

Machine 150t press

Load

Stroke 40 shots/min.

Clearance

Lubrication

Temperature of work

Result

Base metal, Treatment and hardness of the die to be compared
D2, Hardened

Life and other evidences

TD die Cannot be used at 4,000 shots.

The die to be compared Scored at only 4 shots.

Profit obtained through application of TD process

1. Shaving process have been put into practical application, owing to TD process.
2. Decrease in punch consumption.