

DATA SHEET

Name of die
Blanking punch

- An Example of profit obtained -

Year, month, day

Mode of working
StampingName of firm
Sato Kinzoku

Product

Sketch of TD treated
punch

Work material (Product)

Material AISI 304Size 0.3 mmt

Hardness

Remark

TD treated die

Carbide VCBase metal M2

Hardness of substrate

H_R C 61

Remark

Working condition

25 TMachine 450 kgLoad 70 S/min.

Stroke

Clearance 0Lubrication None

Temperature of work

Result

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

M2, Hardened

Life and other evidences

TD die 120,000 shots /reg.The die to be compared 60,000 shots /reg.

The length to be regrind off was decreased to 1/3. Over 5 times life increase.

Profit obtained through application of TD process

1. Decrease in die consumption
2. Decrease in die repair
3. Decrease in shut-down time