

DATA SHEET

Name of die
Bending die

- An Example of profit obtained -

Year, month, day

Mode of working
StampingName of firm
Mizushima Press Kogyo

Sketch of product

Sketch of TD treated
punch

Work material (Product)

Material mild steelSize 4.5mmt

Hardness

Remark

TD treated die

Carbide VCBase metal D2

Hardness of substrate

H_R C 58

Remark

Working condition

Machine

Load

Stroke

Clearance

Lubrication Deep drawing oil

Temperature of work

Result

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

D2, Chromium plating

Life and other evidences

TD die Re-TD treating was needed at 2,100,000 shots.

The die to be compared Re-plating was needed at 20,000 shots.

Profit obtained through application of TD process

1. Increase in die life
2. Decrease in repair work
3. Decrease in lubricant consumption