

DATA SHEET

- An Example of profit obtained -

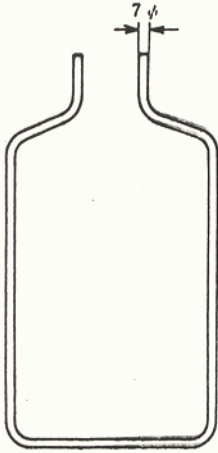
Name of die  
Bending tool

Year, month, day

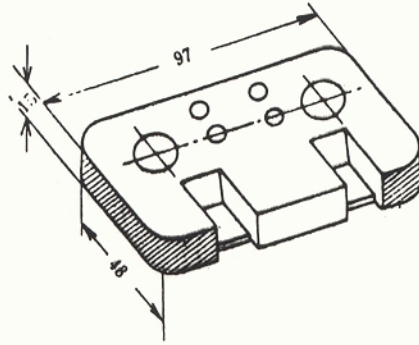
Mode of working  
Pipe forming

Name of firm  
Matsushita Denki

Sketch of product



Sketch of TD treated die



Work material ( Product )

Material AISI 304  
Size 7 mmφ  
Hardness \_\_\_\_\_  
Remark \_\_\_\_\_

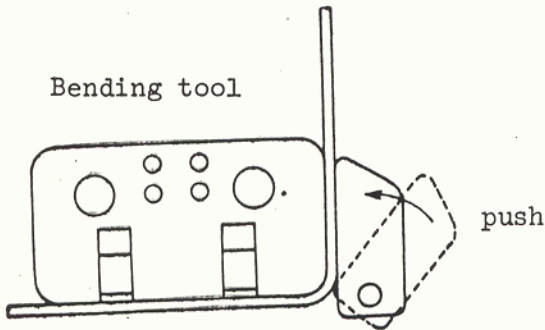
TD treated die

Carbide VC  
Base metal D2  
Hardness of substrate H<sub>R</sub>C 58-60  
Remark \_\_\_\_\_

Heating element

( Nichrome wire with stainless steel sheath and ceramics powder )

Bending tool



Working condition

Machine Automatic machine  
Load \_\_\_\_\_  
Stroke 5-10 S/min.  
Clearance \_\_\_\_\_  
Lubrication None  
Temperature of work \_\_\_\_\_

Result

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

Life and other evidences

TD die Can be used at 40,000 shots.  
The die to be compared Worn at 10,000 shots and cannot be used.

Profit obtained through application of TD process

- 1. Decrease in die consumption
- 2. Improvement in product quality