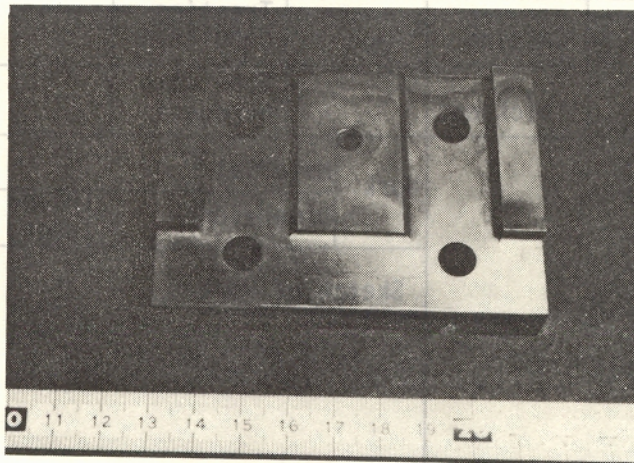


Name of part Bending punch	Source K. Iwai Symposium in the Japan Soc. for Technology of Plasticity 3 June, 1980
Mode of servicing Sheet metal stamping	

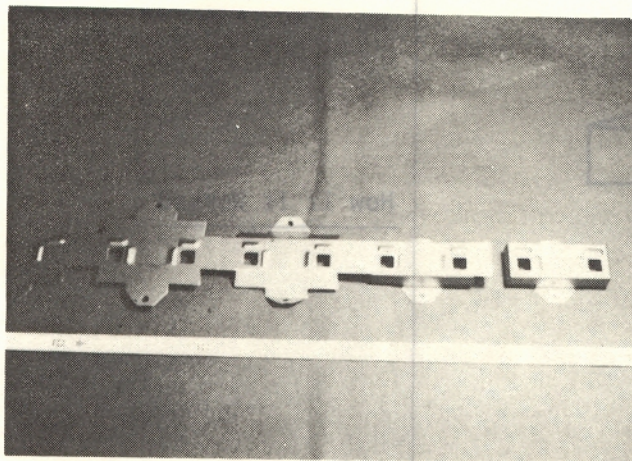
Die



Work material	
Material	Cold rolled mild steel
Size	0.5 mm thick
Hardness	
Remark	

TD treated part	
Carbide	VC
Base metal	D2
Harness of substrate	
Remark	

Product



Working or servicing condition	
Machine	150 ton Press
Load	
Stroke	50 shots/min.
Clearance	
Lubrication	
Temperature of work	

Result

Base metal, treatment and hardness of the part to be compared

D2 Hardened H<sub>R</sub>C 62

Life and other evidences

TD part

300,000 shots/polishing

The part to be compared

30,000 shots/polishing

Profit obtained through application of TD Process