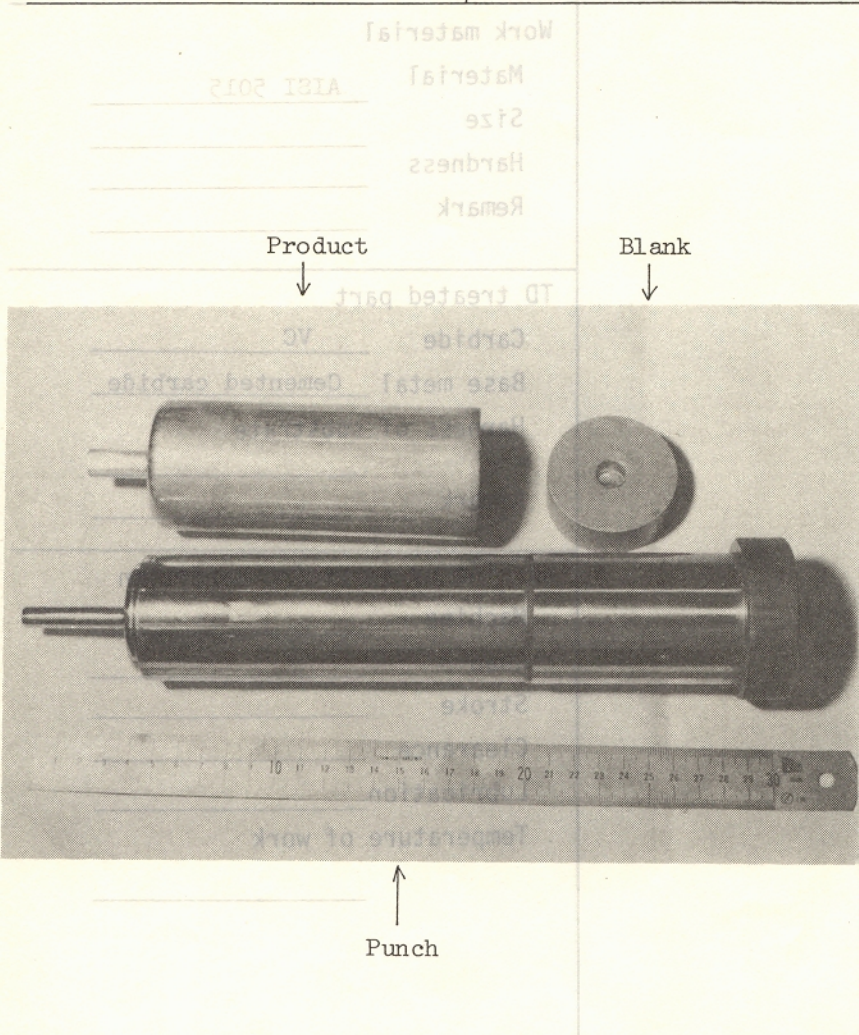


APPLICATION DATA

Name of part Extrusion punch	Source K. Iwai, et al (Nippon Denso Co., Ltd.)	Name of part Extrusion punch
Mode of servicing Cold forging	Press Gijutsu Vol.16, No.7 (1978) p.30	Mode of servicing Cold forging



Work material

Material A 1050

Size 55 mm dia × 22.5 mm

Hardness _____

Remark _____

TD treated part

Carbide VC

Base metal M2

Harness of substrate _____

Remark _____

Working or servicing condition

Machine _____

Load _____

Stroke _____

Clearance _____

Lubrication _____

Temperature of work _____

Result	Base metal, treatment and hardness of the part to be compared M2, Hardened D2, Ordinarily	Result
	Life and other evidences	
	<p>TD part 13,000 shots/life by scoring</p> <p>The part to be compared M2: 1,000 shots/life D2: 1,000 shots/life</p> <p>Profit obtained through application of TD Process</p> <p>Improvement in surface finish of products</p>	