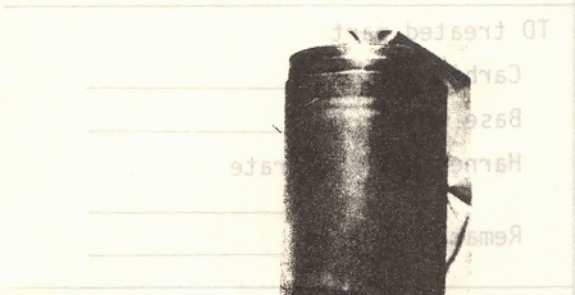


APPLICATION DATA

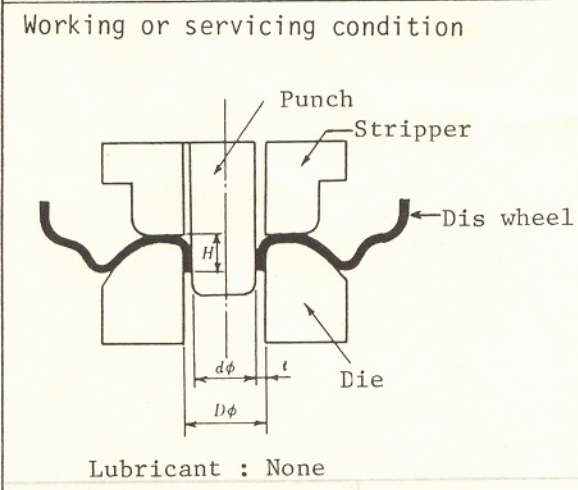
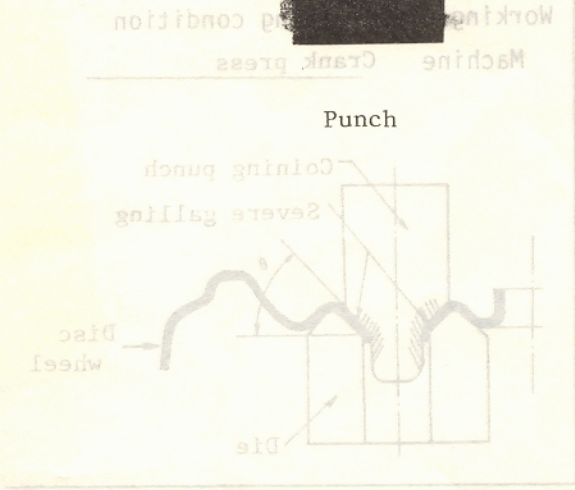
Name of part Burring punch	Source T. Ohnishi Puresu Gijutsu Vol. 23, No. 8 (1985) p. 60	Name of part Coining punch
Mode of servicing Sheet metal stamping		Mode of servicing Sheet metal stamping

Work material
Material High strength steel
Size 2.5, 4.5 mm thick
Hardness
Remark

Work material	
Material	High strength steel
Size	$\sqrt{B} 60 \text{ kgf/mm}^2$
Hardness	2.5, 4.5 mm thick
Remark	



TD treated part	
Carbide	VC
Base metal	D2
Hardness of substrate	$H_R C 58 \sim 60$
Remark	



Result	Base metal, treatment and hardness of the part to be compared D2 Chromium plated $H_R C 58 \sim 60$
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Life and other evidences	<p>TD part 400,000 ~ 450,000 shots/life</p> <p>The part to be compared 10,000 ~ 30,000 shots/life</p>
Profit obtained through application of TD Process	Increase in life