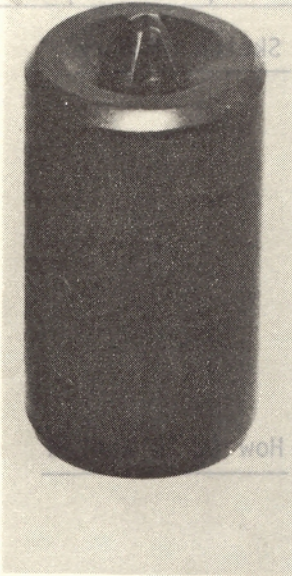



# TD Process Application to Dies and Jigs

TD Process  
Application Data  
No. - /

Die or Jig	Name	Forming punch for cross recessed head screws					
	Category	Die (pressing, cold forging, hot forging, die casting, sand molding, powder compacting, rubber molding, plastic molding, glass casting) Cutting tool, Knife, Guide roller, Others ( )					
Material	Steel Code	M2	TD	Coating	VC	Treating Condition	
	Heat Treatment	Hardened		Thickness		Substrate Hardness	M2
Sketch	Work	Material	1018		Hardness		
		Dimension					
 <p>14 mm diameter 23 mm diameter</p>				<p>Sketch of Work</p>  <p>How It Is Worked</p>			

Evaluation		Effect		Working Condition	
14 mm dia		Increase of life 20,000 shots/ life	Reduction of maintenance cost Saving of lubricants Increase of working rate Others	Machine	
M2 Hardened				Load	
M2 TD processed	90,000			Stroke	
23 mm dia		200,000		Speed	
M2 Hardened				Temperature	°C
M2 TD processed	200,000			Lubrication	
				Clearance	