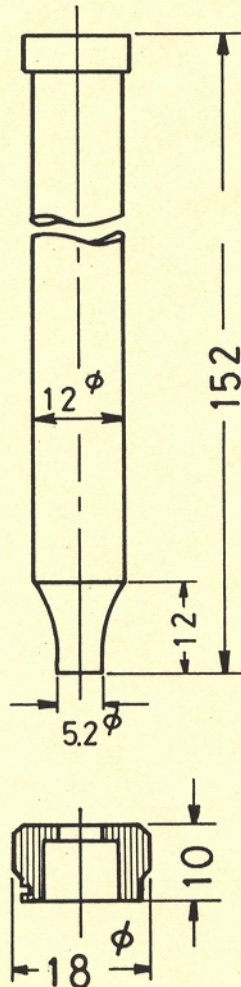


Die or Jig	Name	Perforating punch					
	Category	Die (pressing, cold forging, hot forging, die casting, sand molding, powder compacting, rubber molding, plastic molding, glass casting) Cutting tool, Knife, Guide roller, Others ( )					
Material	Steel Code	A2* M2**	TD	Coating	VC	Treating Condition	
	Heat Treatment			Thickness	$\mu$	Substrate Hardness	H <sub>RC</sub>

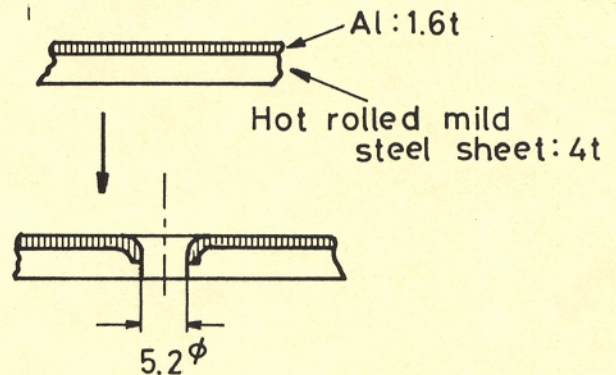
Sketch of Die

\* Punch  
\*\* Die

Work

Material

Dimension

Hard-  
nessSketch of WorkEvaluation

Ordinarily hardened 1,500 shots  
TD 40,000 shots

Effect

• Increase of die life

• Reduction of maintenance cost

• Saving of lubricants

• Increase of working rate

• Others

Working Condition

Machine

Load

Stroke

Speed

Temperature

°C

Lubrication

Clearance