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Manufacturing Plan for CNC Lathe

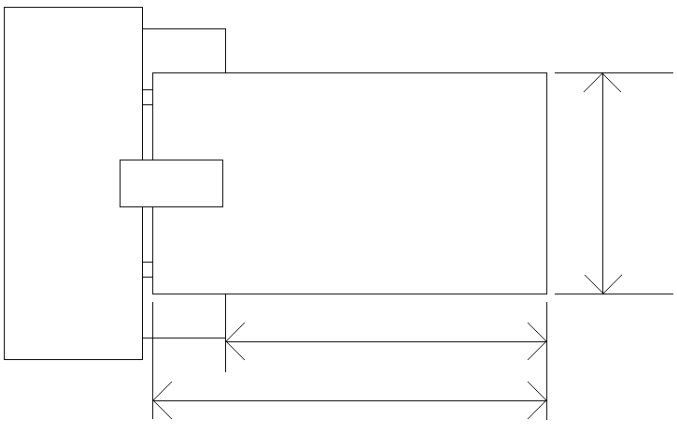
Part Name:	Part Number:	Quantity:	Extra Parts:	Set-Up #:
Pre-Operations Stock Description:		Part Description:		
		Material:	Date:	

Machine Code:

Tool #	Tool Type:	Tool Holder Type:	Speed:
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Step:	Tool #	Operation Description:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Operations Set-up Sketch:



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Canned Cycles for HAAS Lathe

Manual Mode -Used for running the machine as a traditional Lathe.

Tool Offset Mode -Used to set the tool offsets when running custom programs.

Soft Stops Mode -Limits the window for travel for your tool

Chamfer Mode -Creates simple ID/OD chamfers

Turn Face Modes

- **Rapid** -Used to move your tool rapidly while not cutting.
- **Feed** -Moves your tool in liner straight motion on X or Z axis.
- **OD Turn** -Makes an outside diameter cut.
- **ID Turn** -Makes an inside diameter cut.
- **Face** -Makes a facing cut.

Chamfer/Radius Modes

- **OD Radius** -Makes a radius on an outer diameter.
- **ID Radius** -Makes a radius on an inside diameter.
- **OD Chamfer** -Makes a chamfer on an outside diameter.
- **ID Chamfer** -Makes a chamfer on an inside diameter.

Drill and Tap Modes

- **Drill** -Simple drilling operation.
- **Peck Drill** -Peck drilling operation.
- **Tap** -For taping
- **Rev. Tap** -For taping reverse threads

Threading Modes

- **OD Threading** -For making threads on an outside diameter.
- **ID Threading** -For making threads on an inside diameter.

Grooving

- **OD Grooving** -For making grooves on the outside diameter.
- **ID Grooving** -For making grooves on the inside diameter.
- **Part Off** -For parting off a part.
- **Part Off w/ Peck** -For parting off with pecks.