

# CERTIFICATE OF INSPECTION

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**8L LATHE**

**SERIAL NUMBER:**

**DATE OF MANUFACTURE:**

## MACHINERY CERTIFICATION

Title	Seal or Signature	Date
Inspection Director		
Inspector		
Tormach QA Representative		

The above signatures certify this machine has passed all inspection requirements and is approved for delivery. See attached inspection documentation.

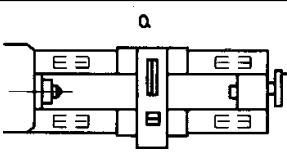
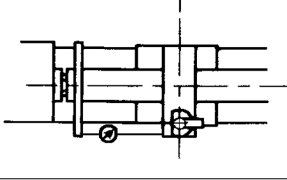
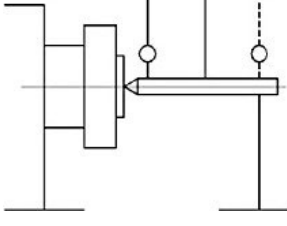
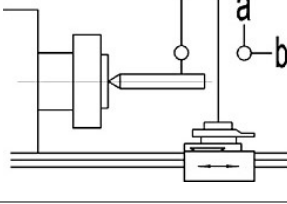
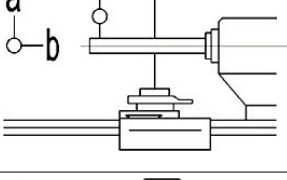
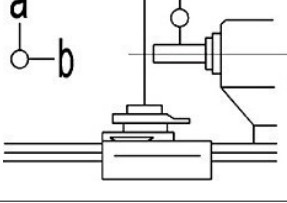
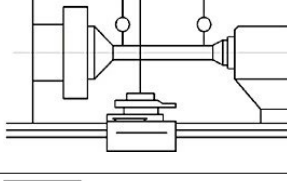
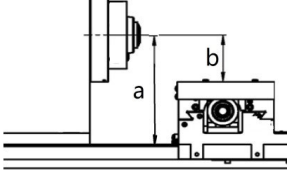
**MADE IN CHINA**



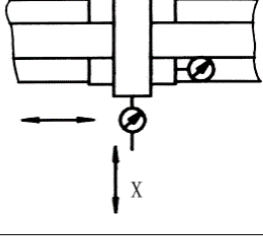
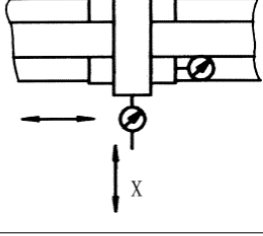
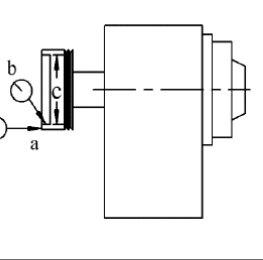
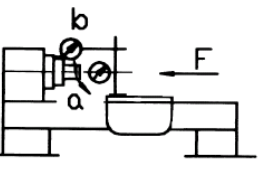
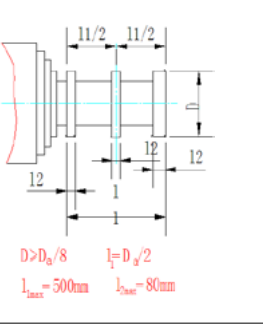
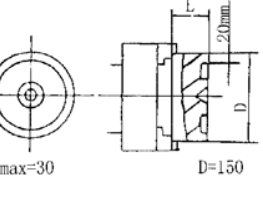
**TORMACH®**

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## QA 1: PRECISION INSPECTION

No.	Inspection Item	Tolerance (mm)	Actual (mm)
G1		a: 0.04/300	
G2		0.03/100	
G3		a: 0.01 b: 0.03	
G4		a: 0.03/200 b: 0.03/200	
G5		a: 0.02/50 b: 0.02/50	
G6		a: 0.02/5 b: 0.02/50	
G7		0.02-0.06	
G8		a: 105+1.0/-0 b: 53.5 +0.50/0	

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No.	Inspection Item	Tolerance (mm)	Actual (mm)
G9		Forward/reverse lost motion of travel <b>a:</b> X-axis <b>b:</b> Z-axis	<b>a:</b> 0.03 <b>b:</b> 0.04
G10		Axis repeatability <b>a:</b> X-axis <b>b:</b> Z-axis	<b>a:</b> 0.015 <b>b:</b> 0.015
G11		Spindle drive pulley <b>a:</b> Perpendicularity of pulley face to axis rotation	<b>a:</b> 0.08
G12		Run-out at spindle end <b>a:</b> End play of the spindle	<b>a:</b> 0.01
P1		Accuracy of finishing outside circle <b>a:</b> Cylindricity <b>b:</b> Roundness	<b>a:</b> 0.01/50 <b>b:</b> 0.005
P2		Planeness of finishing end face	0.025/100

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## QA 2: FUNCTION/APPEARANCE

No.	Test Name	Description	Completed
T1	Emergency Stop Switch	Check for function.	
T2	Spindle Direction	Wheel spins counterclockwise when viewed from front.	
T3	Power Disconnect	Check for function.	
T4	X Limit Switch	Check for function.	
T5	Z Limit Switch	Check for function.	
T6	Smooth Operation	X, Z, spindle operate smoothly; no unusual noise or vibration.	
T7	Spindle Encoder	Check for proper function.	
T8	Safety Signs	Safety sign (PN 34071) is installed in correct location.	
T9	Information Signs	Information signs are installed in correct locations.	
T10	Paint Quality	Paint meets appearance requirements.	
T11	Spindle Door Switch	Check for function.	
T12	Enclosure Door Switch	Check for function.	
T13	Drawtube Install	Drawtube with test collet and remove.	