

CLAUSING

TEST REPORT, 5900-series LATHE

TEST	LIMIT	ACTUAL
BED LEVEL (Transverse Direction)	When Using Precision Level All Readings to Be Within 0.0005 in 12 in.	
BED LEVEL (Longitudinal Direction)	When Using Precision Level Along Bed Maximum Reading to Be Within 0.001 in 12 in.	
SPINDLE CENTER RUNOUT	Total Indicator Reading 0 to 0.0008	
SPINDLE NOSE RUNOUT	Total Indicator Reading 0 to 0.0003	
SPINDLE TAPER RUNOUT	Total Indicator Reading at End of 12 in. Test Bar 0 to 0.0006 at End of Spindle Nose 0 to 0.0003	
HEADSTOCK ALIGNMENT (Vertical)	High at End of 12 in. Test Bar 0 to 0.0005	
TAILSTOCK SPINDLE ALIGNMENT (Vertical)	High at End of Spindle When Fully Extended 0 to 0.0008	
HEADSTOCK ALIGNMENT (Horizontal)	At End of 12 in. Test Bar 0 to ± 0.0003	
TAILSTOCK SPINDLE ALIGNMENT (Horizontal)	Forward at End of Spindle When Fully Extended 0 to 0.0005	
TAILSTOCK TAPER ALIGNMENT (Horizontal)	End of 12 in. Test Bar 0 to ± 0.0005	
TAILSTOCK TAPER ALIGNMENT (Vertical)	High at End of 12 in. Test Bar 0 to 0.001	
A - CROSS SLIDE ALIGNMENT B - FACE PLATE RUNOUT	To Face Concave Only on 12 in. Diameter 0 to 0.0005 On Face at Diameter 0 to 0.0005	
LATHE MUST TURN ROUND WITH WORK MOUNTED IN CHUCK	0.0003	
RUNNING TEST FOR SMOOTH OPERATION 1 1/2 DIA. C.R.S. 0.0026 FEED 0.125 DEPTH AT HIGH SPEED	Lathe Must Take Cut Without Chatter	
BACK LASH ON CROSS FEED SCREW	0.004	

Illustrated at left are some of the many tolerance and performance tests each Clausing lathe must pass.

The report that accompanies the lathe verifies it measures up to Clausing's rigid standards.

For 5900-series lathe accessories... see Catalog 7071

