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Category	Gear Machines - Inspectors	
Manufacturer	Taylor-Hobson	
Model	Talyrond 250	
Speed of Rotation	6 RPM nominal, clockwise	
Height Above Worktable	1.5 μin + 0.8 $\mu\text{in/inch}$	
Axial Error	0.1 μm (3.9 μin) Maximum axial movement of worktable during one revolution	
Roundness Limit of Error	Departure from Least Squares Circle at 6 rpm with 0-50 UPR filter	
Concentric Load	Within 0.04 μm + 0.0003 $\mu\text{m/mm}$	
Straightness Limit of Error	Minimum Zone Straightness at 0.20"/sec (5mm/sec) with 0.30" (8.0mm) cut-off low pass filter 1.0 μm over 39 μin over 11.80" (300 mm) and 10 μin over 3.90" (0.25 μm over any 100 mm traverse length)	
Measurement Capacity Maximum Diameter	11.80 in	300.00 mm
Maximum Weight	44.10 lbs	20.00 kg
Maximum Height	11.80 in	300.00 mm
Worktable & Spindle Worktable Diameter	7.48 in	190.00 mm
Vertical Straightness Module Measurement Length	11.80 in	300.00 mm
Gauge Standard Stylus Arm Length	3.94 in	100.00 mm
Motorized Radial Arm Traverse Length	5.90 in	150.00 mm
Nominal Range of Gage Movement with 100mm Stylus Arm	0.079 in	2.00 mm
Range of Centering	± 0.03 in	± 0.75 mm
Range of Leveling	± 2.60 m rad	± 8.60 arc minutes
Positional Control Uncertainty Per Single Move	± 0.004 in	± 100.00 μm
Additional	Includes table, motorised radial arm traverse length may be set for up to 1.97" (50.00 mm) of travel past the spindle axis	

Condition

Excellent, needs software update