



Features:

- Hardened and Ground Bedways
- Large Spindle Bore
- Footbrake
- Precision Taper Roller Bearings
- Removable Swarf Tray

Model	Challenger Lathe 1PH	Challenger Lathe 3PH
Centre Height	178mm	178mm
Swing over Bed	356mm	356mm
Distance between Centres	1000mm	1000mm
Swing over Cross Slide	220mm	220mm
Swing in Gap	506mm	506mm
Gap Length in front of Face Plate	205mm	205mm
Cross Slide Travel	180mm	180mm
Top Slide Travel	100mm	100mm
Bed		
Width	206mm	206mm
Max. Weight of Work Piece	100kg	100kg
Headstock		
Spindle Nose	D1-4	D1-4
Spindle Bore	38mm	38mm
Spindle Taper	MT5	MT5
Number of Spindle Speeds	8	16
Range of Spindle Speeds	90-1800r/min	45-1800r/min
Tool Section	16x16mm	16x16mm
Tailstock		
Quill Diameter	45mm	45mm
Quill Travel	120mm	120mm
Quill Internal Taper	MT3	MT3
Feed Ranges and Gearbox		
Longitudinal Feeds	0.043-0.653mm/rev	0.043-0.653mm/rev
Cross Feeds	0.015-0.220mm/rev	0.015-0.220mm/rev
Metric Threads	0.40-7.0mm (37 steps)	0.40-7.0mm (37 steps)
Imperial Threads	4-112tpi (40 steps)	4-112tpi (40 steps)
Leadscrew Pitch	4mm	4mm
Motors		
Main Motor	2.4kW (3hp)	2.4kW (3hp)
Coolant Pump Motor	0.04kW (0.055hp)	0.04kW (0.055hp)
Available Power Supply	1 Phase	3 Phase
Weight and Dimensions		
Machine Dimensions	1900 x 710 x 1170mm	1900 x 710 x 1170mm
Net Weight	750kg	750kg

Standard Accessories:

- 3 Jaw Chuck 160mm
- 4 Jaw Chuck 200mm
- Digital Read Out
- Cast Iron Base
- LED Machine Lamp
- Chuck Guard
- Toolpost Guard
- Leadscrew Guard
- Fixed Steady
- Travelling Steady
- Full Length Rear Splash Guard
- Coolant System
- Foot Brake
- Four Way Tool Post
- Thread Chasing Dial
- Single Position Micrometer Bed Stop
- Reducing Sleeve
- Steel Centre
- Tool Box
- Operation Manual

Optional Accessories:

- Soft Jaws
- Quick Change Tool Post with Tool Holders
- Taper Turning Attachment
- Live Centre
- Indexable Lathe Tools
- Face Plate
- Drill Chuck and Arbor
- Machine Mounts
- 5C Collets and Chuck

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.