



JESSEY[®]

Precision !

Rigidity !

*Comprehensive
Safety Guards !*

JESSEY[®]

TRAINER / KNIGHT

LATHES



High Productivity Quality and Profitability

CE

Meets the Needs of the
Training and Workshops!

▶▶ A quality proven lathe designed for



TRAINER Lathe

FEATURES

- Full geared headstock with 16 spindle speeds from 53-2000rpm.
- D1-4 camlock spindle nose or DIN 55027.
- Rigid construction bed are induction hardened over HRC50° and precision ground
- Harden and ground spindles & gears in headstock
- The gears in gearbox are hardened and self-splash lubricated as an oil bath.
- Feeding and threading function are interlocked to prevent setting simultaneously.
- Feeding direction and engagement are controlled by two push/pull plunger on Apron.
- Both 165mm/180mm swing over bed.
- Both distance between centers 750mm and 1000mm bed.
- Front moveable chip tray easily for chip collection and cleaning.
- Adjustable controller to prevent over-travel for safety protection.
- Main spindle motor: 2.25/1.12Kw (3/1.5HP).
- Foot brake pedal to apply quick stop and power off.
- Lockable tool drawers.

training and workshops.



KNIGHT Lathe

FEATURES

- Full geared headstock with 16 spindle speeds from 25-2000rpm
- D1-6 camlock spindle nose.
- Rigid construction bed are induction hardened over HRC50° and precision ground.
- Harden and ground spindles & gears in headstock
- Main Spindle with GAMET Bearings supported.
- Equipped with "Matrix" Mechanical Multi-Plate Clutch.
- Universal Gear Box for Metric, Whitworth, Module and D.P. threading cutting.
- Saddle slideways on bed coated with Germany made moglice for anti-friction.
- Front moveable chip trolley easily for chip collecting and cleaning.
- 400mm swing over bed.
- Gap bed with distance between centers 1250mm
- Main spindle motor: 7.5Kw (10HP)
- Equipped with Magnetic brake without foot brake pedal
- CE Compliance.

SPECIFICATIONS

unit: mm(inch)

MODEL	TRAINER				KNIGHT
	1330	1340	1430	1440	1550
CAPACITY					
Center height	165 (6.5)		180 (7)		195 (7.625)
Swing over bed	330 (13)		360 (14.25)		400 (15.75)
Swing over cross slide	190 (7.5)		215 (8.625)		246 (9.625)
Swing in gap	510 (20)		560 (22)		585 (23)
Distance between centers	750 (30)	1000 (40)	750 (30)	1000 (40)	1250 (50)
HEADSTOCK					
Spindle nose (camlock)	D-1-4				D-1-6
Spindle bore	35 (1.375)				54 (2.125)
Spindle speeds	Numbers	16			
	Ranges (RPM)	53-2000			
Varispeed	Gear steps	2			
	Ranges (RPM)	40-2500			
Spindle nose bush	MT#4				MT#6
Spindle center	MT#3				MT#4
TAILSTOCK					
Tailstock center	MT#3				MT#5
Tailstock spindle travel	100 (4)				145 (5.687)
Tailstock barrel diameter	40 (1.56)				63 (2.5)
TRAVELS					
Cross slide travel	145 (5.7)				250 (9.875)
Top slide travel	95 (3.75)				100 (4)
THREADS					
No. of whitworth threads	36				56
Range of whitworth threads (T.P.I.)	4 - 72TPI				2 - 56
No. of metric threads	31				51
Range of metric threads	0.2 - 7.0 mm				0.2 - 14 mm
No. of Diametral pitch threads	21				20
Range of D.P. threads	8 - 44DP				8 - 56DP
No. of Module pitch threads	18				20
Range of Module pitch threads	0.3 - 3.5 mm				0.2 - 3.5 mm
FEEDS	0.02 - 0.520 (0.0008 - 0.0205)				0.036 - 2.4 (0.0014 - 0.096)
MOTOR	2.25 / 1.25 KW (3 / 1.5HP)				7.5 KW (10 HP)
PACKING SIZE	Length	1640	1940	1640	1940
	Width	1060		1060	
	Height	1580		1900	
NET WEIGHT (Approx. kgs)	670	720	700	750	1500
GROSS WEIGHT (Approx. kgs)	800	870	830	900	1800

* The above specifications subject to change without prior notice.

STANDARD EQUIPMENT:

- Interlocked chuck guard
- Traveling chip guard
- Threading indicator
- Full length splash guard
- Low voltage control
- Leadscrew cover
- Halogen Lamp
- Centers & Center bushes
- Instruction & parts manual
- Maintenance Tools & toolbox



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