

SHERATON **TRAINER** **CE**

A Professional Training & Toolroom Lathe

Check . . . It's The Best Equipped,

Check . . . It's The Best Quality,

Check . . . It's The Best Value . . .



DESIGNED FOR
PRECISION
TOOLROOM
OPERATION
and ADVANCED
TRAINING PURPOSES

**RIGIDLY BUILT FOR GREATER ACCURACY,
INCORPORATING EXTRA, SPECIAL,
OPERATING AND SAFETY FEATURES**

SHERATON TRAINER

SHERATON Training Lathe Includes Additional Safety Features For Teachers, Learners & Operators . . .

A Top Quality, Value Packed, Yet Economical Unit . . .

Ideal For Engineering Colleges, Training Centers, Schools, Toolrooms And General Workshops . . .

SHERATON Trainer Is Quality Built To Meet General Needs For Safety And Versatile Operation . . . Every Machine Has Been Very Rigorously Tested For Accuracy, Safety, Rough And Fine Finish Operation, Smoothness & Low Noise Levels . . .

Features :

- 16 spindle speeds in geometric progressive selection from 53rpm - 2000rpm.
- Universal gearbox allows easy selection of a comprehensive range of metric, Whitworth, modular and D.P. threads with simple to use, conversion change gears.
- DI-4 camlock spindle nose or DIN 55027.
- Feed rod fitted with safety overload clutch.
- Easy longitudinal & cross feed change by push/pull plungers on apron.
- Totally enclosed, oil bath, universal gearbox.
- Chip guards on chuck and tool post.
- Heavy cast bed, With advanced rib design, for greater, More durable accuracy
- Optional single phase motor is available.
- Optional variable speed models 40 - 2500 rpm.

SHERATON

A quality product designed for training and general work

INTERLOCK CHUCK GUARD

Meets latest european CE safety regulations . . . the machine stops automatically when guard opened . . .

RIGID HEADSTOCK

Ruggedly constructed, featuring extra stability during heavy duty turning . . . spindle supported by precision angular contact roller bearings. Gears hardened & ground for lifetime service . . .

UNIVERSAL GEARBOX

Offers a comprehensive range of metric, whitworth, modular and D.P. threads with simple, easy conversion, quick change gears.

"CE" APPROVED ELECTRICAL SYSTEM

Easy front access with lockable mains power switch.



N TRAINER

oven lathe
ing, toolrooms
rkshops.

CARRIAGE OVERTRAVEL SAFETY . . .

Adjustable limit switch is fitted at rear of bed, for added safety, to control saddle overtravel.

TOOL POST CHIP GUARD

Has a see-thru window for careful close checking, can be swiveled right / left for easy access to change tools.

Optional Equipment . . .

- GAP BED
- 3 JAW SC TYPE CHUCK
- 3 JAW SK TYPE CHUCK
- 4 JAW INDEPENDENT CHUCK
- 10" FACE PLATE,
- STEADY REST 5-80mm
- FOLLOW REST 5-80mm
- ROTATING CENTRE M.T.#3
- TURRET TYPE MICRO BED STOP
- 5C COLLET ATTACHMENT
- 5C COLLET SET (23PCS 3-25mm DIA.)
- TAPER TURNING ATTACHMENT
- QIK CHANGE TOOLPOST W/-4 TOOLHOLDERS
- ELECTROMAGNETIC BRAKE SYSTEM
- 2 AXES DRO
- 2 AXES DRO W/-CSS FOR VS MODELS



HALOGEN LOW VOLT WORK LIGHT (Opt)

LEADSCREW GUARD

Fixed, one piece stainless steel guard for leadscrew safety protection, meets european CE regulations.

CHIP TRAY

Front removable chip tray for easy chip collection, disposal and cleaning.

TOOL STORAGE DRAWERS

Two separate, Lockable drawers in the lathe stand, provide easy storage of tools and accessories.

FOOTBRAKE PEDAL . . .

Large brake pads for quick stopping, with auto power cut-off limit switch.

OIL BATH APRON

Apron gears are hardened and splash lubricated. Feed and threading functions are interlocked to prevent simultaneous setting. Feed direction and engagement is controlled by two, push / pull plungers.

Capacity and Specifications

Unit: mm (inch)

MODELS	1330	1340	1430	1440
Swing Over Bed	330 (13")	330 (13")	360 (14")	360 (14")
Centre Height	165 (6.5")	165 (6.5")	180 (7")	180 (7")
Swing Over Cross	190 (7.5")	190 (7.5")	212 (8.5")	212 (8.5")
Swing In Gap	495 (19.5")	495 (19.5")	520 (20.5")	520 (20.5")
Spindle Nose	D1 - 4	D1-4	D1-4	D1-4
Bed Length Between Centres	750 (30")	1000 (40")	750 (30")	1000 (40")
Bed Width	190 (7.5")	190 (7.5")	190 (7.5")	190 (7.5")
Spindle Bore	35 (1.375")	35 (1.375")	35 (1.375")	35 (1.375")
Spindle Speed Range	16 (53 ~ 2000 RPM)	16 (53 ~ 2000 RPM)	16 (53 ~ 2000 RPM)	16 (53 ~ 2000 RPM)
2 Step Vari Speed (opt)	2 (40 ~ 2500 RPM)	2 (40 ~ 2500 RPM)	2 (40 ~ 2500 RPM)	2 (40 ~ 2500 RPM)
Spindle Nose Sleeve	MT. No. 4	MT. No. 4	MT. No. 4	MT. No. 4
Spindle Centre	MT. No. 3	MT. No. 3	MT. No. 3	MT. No. 3
Cross Slide Travel	190 (7.5")	190 (7.5")	190 (7.5")	190 (7.5")
Top Slide Travel	90 (3.5")	90 (3.5")	90 (3.5")	90 (3.5")
Tailstock Quill Travel	110 (4.375)	110 (4.375)	110 (4.375)	110 (4.375)
Tailstock Quill Dia.	40 (1.56")	40 (1.56")	40 (1.56")	40 (1.56")
Tailstock Centre	MT. No. 3	MT. No. 3	MT. No. 3	MT. No. 3
Whitworth Threads	47	47	47	47
Whitworth Range	4 ~144 T.P.I.	4 ~144 T.P.I.	4 ~144 T.P.I.	4 ~144 T.P.I.
Metric Threads	44	44	44	44
Metric Range	0.2 ~ 14mm	0.2 ~ 14mm	0.2 ~ 14mm	0.2 ~ 14mm
D.P. Threads	30	30	30	30
D.P. Range	8 ~ 88 D.P.	8 ~ 88 D.P.	8 ~ 88 D.P.	8 ~ 88 D.P.
Modular Pitch Threads	30	30	30	30
Modular Pitch Range	0.3 ~ 7mm	0.3 ~ 7mm	0.3 ~ 7mm	0.3 ~ 7mm
Longitudinal Feeds	0.02 ~ 1.04mm 0.0008 ~ 0.041"	0.02 ~ 1.04mm 0.0008 ~ 0.041"	0.02 ~ 1.04mm 0.0008 ~ 0.041"	0.02 ~ 1.04mm 0.0008 ~ 0.041"
Cross Feeds (1/3 of Longitudinal feeds)	0.006 ~ 0.346mm 0.00026 ~ 0.0136"	0.006 ~ 0.346mm 0.00026 ~ 0.0136"	0.006 ~ 0.346mm 0.00026 ~ 0.0136"	0.006 ~ 0.346mm 0.00026 ~ 0.0136"
Main Motor (4/8 Pole 2 Speed)	2.25/1.12kW (3/1.5 HP)	2.25/1.12kW (3/1.5 HP)	3.75/2.25kW (5/3 HP)	3.75/2.25kW (5/3 HP)
Vari Speed Main Motor (6 Pole)	1.5kW (2 HP)	1.5kW (2 HP)	1.5kW (4 HP)	1.5kW (4 HP)
Dimensions LxWxH	1640x1060x1580 mm	1940x1060x1580 mm	1640x1060x1610 mm	1940x1060x1610 mm
Weight Nett / Gross	670 / 800kg	720 / 870kg	770 / 850kg	820 / 920kg

• The above specifications subject to change without prior notice.

Standard Equipment:

- 2.25kW 2 SPEED MOTOR
- CE STANDARD ELECTRIC BOX
- LOCKABLE MAINS POWER SWITCH
- LOW VOLTAGE CONTROL
- EMERGENCY STOP BUTTON
- FOOT BRAKE WITH POWER CUT-OFF
- CHUCK GUARD WITH LIMIT SWITCH
- TOOL POST CHIP GUARD
- FRONT REMOVABLE CHIP TRAY
- 2 LOCKABLE TOOL DRAWERS
- GREASE GUN, OIL CAN, TOOLS,
- TOOL BOX, LEVELLING BLOCKS
- INSTRUCTION & PARTS MANUAL
- INSPECTION & TEST SHEET
- CAST BED, HARDENED/GROUND WAYS
- FIXED STEEL LEADSCREW COVER
- LEADSCREW SHEAR PIN
- CARRIAGE OVERTRAVEL LIMIT SWITCH
- UNIVERSAL GEAR BOX
- FEED ROD OVERLOAD CLUTCH
- RIGHT OR LEFT HAND HANDWHEEL
- 4 WAY TOOLPOST
- BACKPLATE FOR 3 JAW CHUCK
- 2 CENTERS and CENTER SLEEVE,
- THREADING DIAL
- DUAL DIALS CROSS & TOP SLIDE
- COOLANT SYSTEM WITH DUAL FILTERS
- FULL LENGTH SPLASH GUARD

600 MACHINE TOOLS Pty Ltd.

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