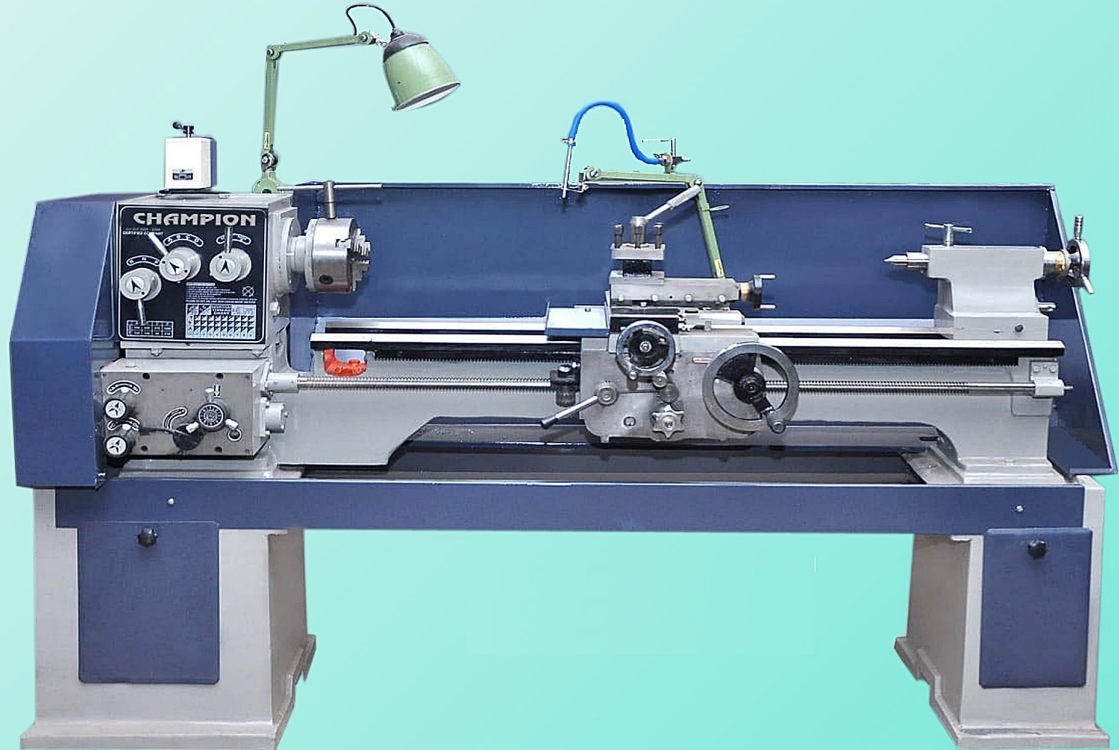


# CHAMPION

## ALL GEARED PRECISION LATHE



PIONEER SERVICE TO  
GLOBAL ENGINEERING



### FEATURES:

- LATHE BED IS MADE OF GRADE-20 CASTING,
- DULY FLAME HARDENED & GROUND WITH BRINELL HARDNESS OVER 300 BHN
- HEADSTOCK SPINDLE A2/4 MOUNTING IS HARDENED AND GROUND AND WILL RUN IN ANTI FRICTION TAPER ROLLER BEARINGS(FAG/NTN/SKF OR SIMILAR REPUTED MAKE)
- DROP WORM ARRANGEMENT FOR INSTANTANEOUS ENGAGEMENT AND DISENGAGEMENT OF POWER FEED,
- SHEAR PIN COUPLING AS AN OVERLOAD SAFETY DEVICE FOR LEAD SCREW,
- SAFETY CLUTCH FOR FEED OVERLOAD,
- UNIVERSAL GEAR BOX PROVIDES FOR WIDE RANGE OF INCH / MM THREADS AND FEEDS
- ALL ELECTRICAL WIRING WILL BE OF PURE COPPER WIRE
- PROPER ELECTRICAL PROTECTION SYSTEM WITH THE MOTOR
- ACCURACY IS TESTED AS PER IS : 1878 (PART - 1) 1971(OEM TEST CERTIFICATE WILL BE PROVIDED).

# CHAMPION ENGINEERING WORKS



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# CHAMPION

## ALL GEARED PRECISION LATHE



PIONEER SERVICE TO  
GLOBAL ENGINEERING

### MODEL

DISTANCE BETWEEN CENTERS

HEIGHT OF CENTRE

SWING OVER BED

SWING OVER CROSS SLIDE

HEADSTOCK:

SPINDLE BORE

SPINDLE NOSE

NUMBER OF SPINDLE SPEEDS

TAILSTOCK:

TAPER BORE IN SPINDLE SLEEVE

FEEDS AND THREADS:

RANGE OF LONGITUDINAL FEEDS

RANGE OF TRANSVERSE FEEDS

METRIC THREAD

INCH THREAD

SLIDES:

CROSS SLIDE TRAVERSE

TOOL SLIDE TRAVERSE

TOOL HOLDER AND RIGHT HAND CUTTING

TOOLS FOR DIFFERENT OPERATIONS

each

MOTOR

### CW1000

1000 MM

200 MM

410 MM

220 MM

42 MM

A2-4

8

MORSE NO 4

0.05 TO .75MM /REV

0.03 TO 0.40MM /REV

0.5- 6 MM

4 TPI TO 56 TPI

200 MM

105 MM

PLAIN TURNING, FACING, PARTING-OFF,  
METRIC/INCH THREAD,KNURLING-5Set

2.25 KW, 415 V, 3 PH, 50 HZ

### STANDARD ACCESSORIES:

- ELECTRICAL EQUIPMENT COMPLETE WITH WIRING SUITABLE FOR 3PH, 415V, 50HZ, AC SUPPLY, INCLUDING MAIN MOTOR, R/ F SWITCH, V BELT, M/C LAMP WITH WIRING
- COOLANT MOTOR AND COOLANT FITTINGS
- 3-JAW SELF-CENTERING LATHE CHUCK WITH BACK PLATE
- 4-JAW INDEPENDENT LATHE CHUCK WITH BACK PLATE
- SPLASH GUARD & CHIP TRAY
- TAPER TURNING ATTACHMENT
- STEADY REST
- FOLLOWER REST
- PLAIN FACE PLATE
- LATHE MANDRELS
- DEAD CENTRE – 2 NOS.
- HEAD STOCK CENTRE
- HALF CENTRE
- CHANGE GEARS TO CUT METRIC / INCH THREADS,
- THREAD CHASING DIAL,
- FOUR WAY TOOL POST,
- SET OF ALLEN KEYS & SPANNERS , SCREW DRIVERS,
- OIL CAN.
- 2 SET OF OPERATION AND MAINTENANCE MANUAL CONTAINING FOLLOWING: OPERATION AND MAINTENANCE INSTRUCTION AND DO'S & DON'TS AND NAME OF EACH ACCESSORIES AVAILABLE WITH THIS MODEL AND THEIR PART NO, ELECTRICAL & ELECTRONIC CIRCUIT DIAGRAMS. FEED CHANGE ARRANGEMENT TABLE, DIFFERENT METRIC/INCH THREAD ARRANGEMENT TABLE; DIFFERENT SPEED CHANGE ARRANGEMENT TABLE, TROUBLE SHOOTING CHART / DIAGNOSTIC SYSTEM AND REMEDIES.

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