



TYPE SN 40 - 45 - 50 CENTER LATHES

The machines are intended for turning work in single production as well as in multiple production in small batches. Their universal applicability is increased by numerous attachments and accessories available as optional equipment.

DESCRIPTION :

The headstock spindle is driven from the gear box by a coupling with internal dogs so that it is not subjected to any bending stress. It runs, in front, in a self-aligning two-row roller bearing, in the rear in two single-row ball bearings which permit the radial and axial clearance to be adjusted.

The end of the spindle is provided with a spindle with a short centering taper and bayonet lock affords easy exchange of the driving or clamping elements.

The multi-plate clutch of the gear box transmits the torque from the drive shaft and serves for reversing the spindle.

The thread box is designed universally for metric and inch threads. Only module threads and Diametral Pitch threads are cut with a second set of change gears.

The apron box is provided with an automatic disengagement of feeds in the event of overload or when the carriage strikes a positive stop. The direction of the longitudinal as well as transverse feeds is controlled by a directional lever. The lead screw and longitudinal or cross feed are mutually interlocked against simultaneous engagement.

The bed has a gap and a removable bridge. The front guideway of the bed has a trapezoidal cross section, the rear one a rectangular one. The guideways are protected against damage by covers.

The electric motor is accommodated, together with the switchboard, in the front leg.

Tos Sn50 Lathe Service Manual

David Grant Stewart (Sr.)



Tos Sn50 Lathe Service Manual:

Cut master vertical turret lathe service manual Bullard Company,1950 **Model 3060 Automatic Tracer Lathe** Jones & Lamson Machine Company,1973 This service manual provides instruction for the installation operation and maintenance of the Jones Lamson Model 30 60 Auto Traver Lathe Page 1 Operator's, Organizational, Direct Support and General Support Maintenance Manual (including Repair Parts List) for Lathe, Engine, Bench Type 12" (NSN 3416-00-449-7188). ,1983

Operator's, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts List for Lathe, Engine Model 1754 (NSN 3416-00-250-6550) Standard-Modern Tool Company, Limited ,1991 **Operator, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts List for Lathe, Engine, 9-inch Swing, Model CL 670Z (South Bend Lathe) (3416-00-235-0551).** ,1991 Operator, Organizational, Direct Support and General Support Maintenance Manual Including Repair Parts List for Engine Lathe, Model A-40H (NSN 3416-00-252-7094). ,1983 Operator's, organizational, direct support and general support maintenance manual including repair parts list for lathe, engine toolroom model 1530 (3416-00-517-1051). ,1983 *Operator's, Organizational, Direct Support, and General Support Maintenance Manual (including Repair Parts List) for Lathe, Brake, Model 1476 (Star Machine & Tool Company) (NSN 4910-01-028-9849).* ,1992 *Operator's, Organizational, Direct Support, and General Support Maintenance Manual Including Repair Parts List for Lathe, Engine Model B-40 (McIlvanie Machine Works) (NSN 3416-00-725-3508).* ,1992 **Service Manual for Warner & Swasey RAM Type Turret Lathes** Warner & Swasey,1936

Basic Maintenance for the Vintage South Bend Lathe Ilion Industrial ILION Industrial Services LLC,2020-01-04 If you are thinking about cleaning up and using that old South Bend Lathe that you inherited from your grandfather the one that has been sitting in your garage for the last 20 years this collection of maintenance tips will help you get that beautiful piece of iron back into service Basic Maintenance for the Vintage South Bend Lathe is a starting how to guide for keeping all vintage South Bend Lathes in good working order The information is applicable to all models ranging from the 9 workshop series to the industrial versions which went from a 10 swing all the way up to 16 The manual will help educate new machine operators and enthusiasts on the correct procedures to set up clean lubricate and adjust all of the critical features of the lathe The manual is 70 pages fully illustrated with many B W photographs and diagrams plus step by step instructions on the proper methods for keeping the machine in good working order In addition lubrication charts sources of supply and other basic reference material is included Even though South Bend ceased production of these fine quality lathes years ago there are still thousands of serviceable lathes sitting out there in home shops small businesses schools and machinery dealers To support owners of these vintage machine tools we also offers two separate rebuild manuals plus various rebuild parts kits for the South Bend Lathe so please check out our other items on Amazon The two rebuild manuals sold separately are A Guide to Renovating the South Bend Lathe 9 Model A B C Plus Model 10k and for the larger industrial lathes A Guide to Renovating

the South Bend Lathe Models 10L 13 14 1 2 16 If you have a SouthBend lathe then any of these guides will be extremely helpful in getting your machine back into service *Service Manual for Operating and Setting Up the Mas A 12, A 20, A 40 Automatic Lathes* ,1970 Service Manual Bullard Company, Bridgeport, Conn,1951* **Lathe Operators' Manual, Part II : Pressure Bars: Their Operation and Maintenance** Feihl, O,Hancock, W. V,Western Forest Products Laboratory (Canada),1976 **Model T Ford Factory Service Manual** David Grant Stewart (Sr.),2014

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