



Lathe Operates From an Electric Lamp Socket

SCREW THREAD CUTTING CHART
9-inch WORKSHOP LATHE

THREADS TO CUT	SPINDLE GEAR	COMP. GEAR	LEAD SCREW GEAR
4	24	2-1	24
5	24	2-1	30
6	24	2-1	36
7	24	2-1	42
8	24	2-1	48
9	24	2-1	54
10	24	—	30
11	24	—	33
1 1/4	24	2-1	69
12	24	—	36
13	24	—	39
14	24	—	42
16	24	—	48
18	24	—	54
20	24	—	60
22	24	1-2	33
24	24	1-2	36
26	24	1-2	39
28	24	1-2	42
30	24	1-2	45
32	24	1-2	48
36	24	1-2	54
40	24	1-2	60

SOUTH BEND LATHE WORKS
SOUTH BEND, INDIANA, U. S. A.

Chart for Threads Attached to 9-inch No. 5 "Workshop" Lathe

9" x 3' "Workshop" Lathe With Graduated Compound Rest but Without Motor Drive - \$75.00. Lathe complete as shown with Motor Drive, Reversing Motor, Reversing Switch and Graduated Compound Rest - \$94.00. (Prices do not include Bench)

9-inch No. 5 Workshop South Bend Bench Lathes

A Back-Gear, Screw Cutting Lathe for Automotive Repair Work

The 9-inch No. 5 "Workshop" South Bend Back Gear, Screw Cutting Bench Lathe is practical for the auto service shop, repair shop, service station, and electrical shop. It will true armature commutators, undercut mica, make bushings, grind valves, machine pistons, cut screw threads and handle many other repair jobs.

Material Used. The 9-inch No. 5 "Workshop" South Bend Lathe is built of steel, cast iron and malleable iron. Bed is 50% steel and 50% gray iron. All gears are machine-cut from the solid metal. Change gears are cast iron and steel.

Principal Features of Lathe include:— Back-geared headstock, six spindle speeds; hollow spindle with 3/4" hole; tailstock set-over for taper turning; No. 2 Morse taper centers; three V-ways and one flat-way on bed align headstock, carriage and tailstock; compound rest, graduated 180°; micrometer graduations on feed screws; adjustable gibs on compound rest and cross slide; automatic longitudinal power feeds; precision lead screw for threads and feeds.

Screw Thread Cutting. Standard screw threads from 4 to 40 per inch, right or left hand, including 1 1/2 pipe thread as listed on chart above, can be cut with the change gears supplied with the lathe.

Attachments, Chucks and Tools for handling a wide variety of work on the 9-inch No. 5 "Workshop"

Lathe can be supplied at extra cost. Complete information and prices will be supplied on request.

Automatic Longitudinal Feeds to Carriage as low as .003 of an inch per revolution of lathe spindle are provided on the 9-inch No. 5 "Workshop" Lathe.

Regular Equipment included in price consists of: Graduated compound rest; face plate; forged steel tool post; two 80° lathe centers; No. 2 Morse taper; spindle sleeve; wrenches; set of independent change gears for screw thread cutting; large turning gears for automatic longitudinal power feeds to carriage; installation plan blue print, and instruction book, "How to Run a Lathe".

Other Counterparts for 9-inch "Workshop" Lathe. Double Friction Countershaft, for shops with lineshaft, provides for forward and reverse speeds. Price.....\$10.00
Horizontal Countershaft with Belt Tension Adjustment. Price.....\$10.00
Two-Speed Drive Pulley for Horizontal Countershaft, plain type, provides six spindle speeds from 42 to 883 R. P. M. for working metals and six spindle speeds from 79 to 1285 R. P. M. for wood working. Price.....\$ 3.50
Two-Step V-Pulley for Motor, for use with Two-Speed Horizontal Countershaft. Price.....\$ 1.50
Three-Step Cone Pulley Only. Price.....\$ 3.00

NET FACTORY PRICES OF 9-inch No. 5 "WORKSHOP" SOUTH BEND BENCH LATHE

Description	9" x 3' 405-Y	9" x 3 1/2' 405-Z	9" x 4' 405-A
9-inch No. 5 "Workshop" South Bend Bench Lathe with Graduated Compound Rest and Regular Equipment, but not Bench.....	\$75.00	\$87.00	\$99.00
Prices of Horizontal Motor Drive Equipment			
Horizontal Countershaft, Plain Type.....	5.00	5.00	5.00
1/4 H.P. Start-and Stop Reversing Split-phase Motor,* 1725 R.P.M. (1-phase, 60-cycle, A.C. 110-volt).....	7.75	7.75	7.75
V-Groove Pulley for Motor.....	.50	.50	.50
Reversing Switch (Drum Type) with Bracket for Attaching to lathe.....	4.00	4.00	4.00
V-Belt, Motor to Drive Unit.....	.75	.75	.75
Flat Leather Belt (1" x 45").....	1.00	1.00	1.00
Price, Lathe and Equipment, Complete.....	\$94.00	\$106.00	\$116.00

Cash Down Payment.....	\$24.00	\$ 28.00	\$ 29.00
Monthly Payments Each.....	\$ 7.00	\$ 7.00	\$ 8.00
Distance Between Spindle Centers of Lathe.....	18 in.	24 in.	30 in.
Shipping Weight, Lathe and Motor Drive Equipment.....	300 lbs.	325 lbs.	350 lbs.

*Electric Motors. We can supply electric motors for A.C. in 2-phase and 3-phase of 25, 40 and 50 cycle, also D.C. of various voltages, at slightly higher prices.

(Use Order Blank on Other Side to Order Any Size or Type South Bend Lathe. Mail to the South Bend Lathe Works, South Bend, Indiana, U.S.A.)..A.)