

SHERLINE Lathe Machines and Packages List

STANDARD LEADSCREW LATHES	
<p>STANDARD EQUIPMENT: Sherline lathes include the following as standard equipment: 90 VDC motor w/electronic speed control, faceplate, drive dog, 1/4" tool post*, sharpened 1/4" high speed steel (HSS) cutting tool, #0 and #1 Morse dead centers, 4 hex adjustment keys, 2 spindle bars, laser-engraved aluminum handwheels, and full-color instruction manual. Sherline machines operate on any incoming current from 100 to 240 VAC, 50-60 Hz without an external transformer. All machines and accessories come with a 1-year limited warranty.</p>	
Manual Lathes	
P/N Inch (Metric)	Description
4000 (4100)	3.5" x 8" Lathe (See above for included standard equipment)
4500 (4530)	3.5" x 8" Lathe with adjustable "zero" handwheels
4400 (4410)	3.5" x 17" Deluxe, long-bed lathe with adjustable "zero" handwheels and 1/4" rocker tool post (*in place of standard 1/4" tool post)
DRO Lathes	
<p>DIGITAL READOUTS: Lathes include 2 encoder handwheels on the crossslide and leadscrew for X- and Z-axes. Electronics box includes LED readout for each axis plus an encoder for continuous readout of spindle RPM. DRO handwheels replace the standard handwheels/adjustable "zero" handwheels. Electronics can be initialized to work with either inch or metric machines. 110 VAC power supply is included.</p>	
P/N Inch (Metric)	Description
4000-DRO (4100-DRO)	3.5" x 8" lathe (See above for included standard equipment) with factory installed DRO
4400-DRO (4410-DRO)	3.5" x 17" Deluxe long-bed lathe with rocker tool post and factory installed DRO
CNC-Ready Lathes	
<p>CNC-READY MACHINES: CNC-Ready machines come with stepper motor mounts in place of the handwheels ready for the installation of NEMA 23 size stepper motors. (Stepper motors, drivers, and software are not included.) Handwheels are included for use on the rear shaft of dual shaft stepper motors, but stepper motors must be installed before manual control can be achieved. See the CNC List for additional CNC components like a driver box and stepper motors. Complete CNC systems including a controller/computer are also available.</p>	
P/N Inch (Metric)	Description
4000-CNC (4100-CNC)	3.5" x 8" lathe (See above for included standard equipment) with 2 stepper motor mounts installed
4400-CNC (4410-CNC)	3.5" x 17" Deluxe long-bed lathe with 2 stepper motor mounts installed
Standard Leadscrew Lathe Accessory Packages	
<p>Sherline standard leadscrew lathes can be purchased with three different selections of our most popular accessories. The A, B and C packages are described below. Purchasing a machine/accessory package offers additional savings compared to purchasing the machine and accessories separately.</p>	
4000/4500 Series Lathes	
Package	Description
A	Includes the standard equipment PLUS 1041 2.5" 3-jaw self-centering chuck and 1072 1/4" drill chuck
B	Includes the A package PLUS 1074 Steady rest, 1191 Live center, 3018 Rear Mount Cutoff tool and holder, 3007 3-piece 1/4" HSS cutting tool set (LH, RH, and Boring tools), 3020 5/32" Hex T-driver, 3021 3-piece center drill set, and 5327 <i>Sherline Accessories Shop Guide</i> book
C	Includes A and B packages PLUS a 1270 (1280) Compound slide and 3100 Thread cutting attachment
4400 Series Lathes	
Package	Description
A	Includes the standard equipment PLUS a 1040 3.5" 3-jaw self-centering chuck and 1068 3/8" drill chuck
B	Includes the A package PLUS 1074 Steady rest, 1191 Live center, 3018 Rear Mount Cutoff tool and holder, 3007 3-piece 1/4" HSS cutting tool set (LH, RH, and Boring tools), 3020 5/32" Hex T-driver, 3021 3-piece center drill set, and 5327 <i>Sherline Accessories Shop Guide</i> book
C	Includes A and B packages PLUS a 1270 (1280) Compound slide and 3100 Thread cutting attachment
BALL SCREW CNC-READY LATHES	
<p>STANDARD EQUIPMENT: Sherline ball screw lathes include the following as standard equipment: 90 VDC motor w/electronic speed control, faceplate, drive dog, 3/8" tool post, 55° R/H carbide tool holder, #0 and #1 Morse dead centers, 4 hex adjustment keys, 2 spindle bars, and full-color instruction manual. Stepper motor mounts in place of the handwheels ready for the installation of NEMA 23 size stepper motors. (Stepper motors, drivers, and software are not included.) Handwheels are included for use on the rear shaft of dual shaft stepper motors, but stepper motors must be installed before manual control can be achieved.</p>	
P/N (Metric Only)	Description
6840	17" Ball Screw Lathe
Ball Screw Lathe Accessory Packages	
Package	Description
D	Includes the standard ball screw lathe accessories plus a 1040 3.5" 3-jaw self-centering chuck and 1068 3/8" drill chuck
E	Includes the D package PLUS 1191 Live center, 2267 Threading/Grooving carbide insert tool holder, 22675 60° Threading carbide insert, 2269 .031" Carbide grooving insert, 3018 Rear-mount cutoff tool and holder, 3020 Sherline 5/32" hex T-driver, 3-piece center drill set, 7604 3/8" Rear-mount tool holder, and 5327 <i>Sherline Accessories Shop Guide</i> book

SHERLINE Milling Machines and Packages List

STANDARD LEADSCREW MILLS	
<p>STANDARD EQUIPMENT: Sherline Mills include the following as standard equipment: 90 VDC motor w/electronic speed control, hex adjustment keys, spindle bar, laser-engraved aluminum handwheels, oilers for each axis, and full-color instruction manual. Sherline machines operate on any incoming current from 100 to 240 VAC, 50-60 Hz without an external transformer. All machines and accessories come with a 1-year limited warranty.</p>	
Manual Mills	
P/N Inch (Metric)	Description
5000 (5100)	10" base, Standard 3-axis mill
5500 (5510)	10" base, Standard 3-axis mill w/adjustable "zero" handwheels
5400 (5410)	12" base, Deluxe 3-axis mill w/adjustable "zero" handwheels, 1297 headstock spacer block, 3072 1/4" drill chuck, and laser engraved scales (rulers) on base and table
2000 (2010)	14" base, 8-Direction mill w/adjustable "zero" handwheels, P/N 3072 1/4" drill chuck, and laser engraved scales (rulers) on base and table
5800 (5810)	18" base, NexGen multi-direction mill, 18" table, 15" column bed, adjustable "zero" handwheels, P/N 3072 1/4" drill chuck, 3562 7" x 13" tooling plate, accordion way covers, and laser engraved scales (rulers) on base and table
DRO Mills	
<p>DIGITAL READOUTS: Mills include 3 encoder handwheels on the X-, Y-, and Z-axes. Electronics box includes LED readout for each axis plus an encoder for continuous readout of spindle RPM. DRO handwheels replace the standard handwheels/adjustable "zero" handwheels. Electronics can be initialized to work with either inch or metric machines. 110 VAC power supply is included.</p>	
P/N Inch (Metric)	Description
5000-DRO (5100-DRO)	10" base, 3-axis mill PLUS factory installed DRO
5400-DRO (5410-DRO)	12" base, Deluxe 3-axis mill PLUS factory installed DRO
2000-DRO (2010-DRO)	14" base, 8-direction vertical mill as above PLUS factory installed DRO
5800-DRO (5810-DRO)	18" base, NexGen multi-direction vertical mill as above PLUS factory installed DRO
CNC-Ready Mills	
<p>CNC-READY MACHINES: CNC-Ready machines come with stepper motor mounts in place of the handwheels ready for the installation of NEMA 23 size stepper motors. (Stepper motors, drivers, and software are not included.) Handwheels are included for use on the rear shaft of dual shaft stepper motors, but stepper motors must be installed before manual control can be achieved. See the CNC List for additional CNC components like a driver box and stepper motors. Complete CNC systems including a controller/computer are also available.</p>	
P/N Inch (Metric)	Description
5000-CNC (5100-CNC)	10" base, 3-axis mill PLUS 3 stepper motor mounts ready for CNC control
5400-CNC (5410-CNC)	12" base, Deluxe 3-axis mill as above PLUS 3 stepper motor mounts ready for CNC control
2000-CNC (2010-CNC)	14" base, vertical mill as above PLUS 3 stepper motor mounts ready for CNC control
5800-CNC (5810-CNC)	18" base, NexGen multi-direction vertical mill as above PLUS 3 stepper motor mounts ready for CNC control
BALL SCREW CNC-READY MILLS	
<p>STANDARD EQUIPMENT: Sherline ball screw mills include the following as standard equipment: 90 VDC motor w/electronic speed control, headstock spacer block, accordion way covers, hex adjustment keys, spindle bar, laser-engraved aluminum handwheels, and full-color instruction manual. Sherline machines operate on any incoming current from 100 to 240 VAC, 50-60 Hz without an external transformer. Stepper motor mounts in place of the handwheels ready for the installation of NEMA 23 size stepper motors. (Stepper motors, drivers, and software are not included.) Handwheels are included for use on the rear shaft of dual shaft stepper motors, but stepper motors must be installed before manual control can be achieved.</p>	
P/N (Metric Only)	Description
6854	12" base, CNC-Ready 3-axis mill with ball screws
6820	14" base, CNC-Ready multi-direction mill with ball screws
6858	18" base, CNC-Ready multi-direction mill with ball screws
Mill Accessory Packages	
<p>Sherline mills can be purchased with a selection of our most popular accessories. A PACKAGE: Includes your choice of vertical mill PLUS the following accessories: 3072* 1/4" drill chuck, 3013 Step block hold-down set, 3020 5/32" Hex T-driver, 3021 3-piece center drill set, 3052 Fly cutter, 3060 3-piece mill collet set, 3079 3/8" end mill holder, 3551 mill vise, 7400 6-piece 3/8" double-ended end mill set, and 5327 <i>Sherline Accessories Shop Guide</i> book.</p>	
Package	Description
A for 10" base mills	Includes the standard equipment PLUS all the "A" package accessories listed above.
A for 12", 14", and 18" base mills	Includes the standard equipment PLUS all the "A" package accessories listed above with the exception of the 3072 1/4" drill chuck, which is part of the standard equipment for these mills.