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ALPHA SL65 S

Short Automatic Bar Feeder for Spindle Length Bars for Fixed Headstock Turning Machines

Bar stock diameters: 1/4" - 2-5/8" (6 mm to 67 mm)

Overall bar stock length: 12" - 61"*

*Not to exceed overall length of spindle



LNS America
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ALPHA SL65 S



A Price Competitive Solution

The Alpha SL65 S is the entry level solution for servo driven automatic loaders. The Alpha SL65 S is designed for automatic loading of spindle length bars up to 61" and 2-5/8" in diameter without exceeding the spindle length. The Alpha SL65 S is a simple and economical alternative that assures maximum productivity and reduced floor space.

Faultless Unattended Operation

Using a servo motor allows travels and positioning in high speed to a programmed position. It will automatically feed to length without losing contact between the pusher and the bar stock. This fully controlled movement allows soft touch when feeding against a turret stop. Although turret help may not be required.

The servo drive automatically adjusts speed, torque and acceleration / deceleration according to your production settings. The pusher/bar stock movement is similar to the controlled axis on your lathe.

In conjunction with the servo drive, the two notched belts and the rail guarantees reliable positioning to feed the bar stock in the spindle of the lathe.



Easy to Use Remote Control (HMI)

The operator-friendly HMI ensures the interaction between the bar feeder and the lathe, and therefore the production process can be run safely and efficiently.

The HMI is ultra light featuring easy set up and operation. It displays alarm description, alarm history of operation errors and position tracking (inch/metric programming).

Easy setup in less than 1 minute. The operator simply inputs bar information into the remote control:

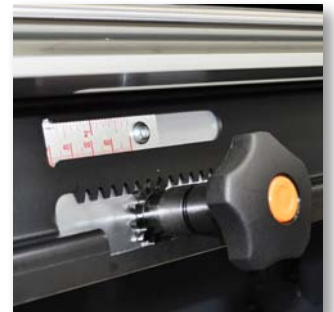
- Shape
- Diameter
- Feed out length

This automatically sets:

- Pushing torque
- Forward speed
- Feeding length

Increasing Your Production with Fast Diameter Changeover and Simplicity

The centerline of the Alpha SL65 S is manually adjusted and barstock adjustment can be performed in a matter of seconds, no tool required. Less than 5 minutes for partial changeover and 8 minutes or less for complete changeover. A simple adjustment for bar selection fingers is required on the magazine tray.





Quick Change Pusher

The Alpha SL65 S pusher can be changed in a matter of seconds with minimal production interruption.

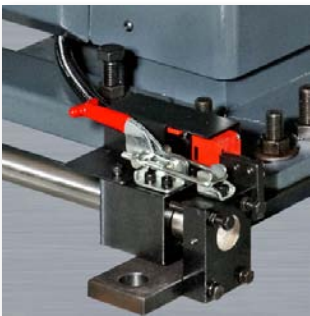
Simply perform three easy steps:

1. Unlock the pusher tail
2. Remove the pusher
3. Install the new pusher and secure in locking position

Unattended Operation

The large 26" (660 mm) capacity magazine tray allows "lights out" unattended operation. The loading tray will accommodate 10 bars of 65 mm (2-1/2") or 132 bars of 6 mm (1/4"). The adjustable tray provides versatility for optimum application adjustments (hex, square, etc.). Equipped with safety covers to prevent accidental access to live parts and safe magazine loading.

The Alpha SL65 S can load and feed round bars as well as hexagonal bars. With the help of an adapter hex/square converter it can also load square bar stock.



E-Z Spindle Liner Changeover

The Alpha SL65 S comes standard with the 300 mm (12") X-axis retract system (600 mm, Z-axis on demand) providing full access to the rear of the spindle permitting spindle liners E-Z change within a minute or two.

The retraction can be easily unlocked and locked in position. For added safety the locking mechanism is verified via safety switch.

The system guarantees a self-alignment when the barfeeder is locked in working position.

Operation Safety

The Alpha SL65 S has multiple safety features:

- Main access cover protected by a safety switch, prevents any pusher movement in automatic cycle while open
- See through main access cover
- Magazine tray access cover with safety switch for safely reloading

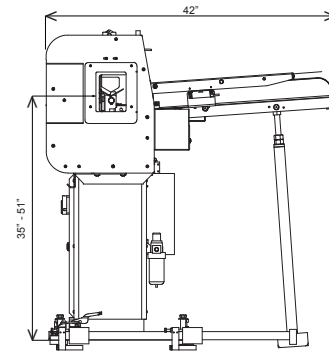
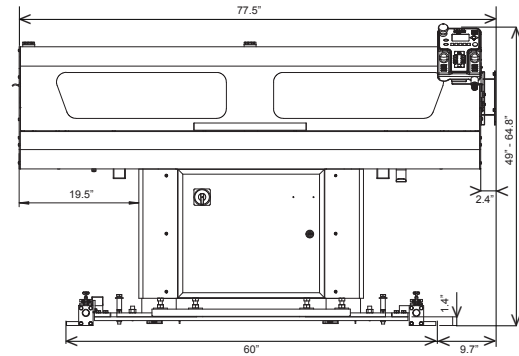


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Technical Specifications

- 3 pushers (6, 12, 19 mm)
- Magazine storage capacity: 26" (660 mm) wide
- Less than 5 minutes for partial changeover (manual)
- 8 minutes or less for complete changeover
- Servo drive
- Manual diameter centerline adjustment
- Manual bar selection adjustment
- Part feedout with or without turret
- Sub-spindle applications
- Standard 300 mm (12") x-axis retraction system, optional 600 mm (23") z-axis retraction system
- Shipping weight: 1,020 lbs.

Bar Diameter	1/4" - 2-5/8" (6 mm - 67 mm)
Minimum Bar Length	12" (300 mm)
Maximum Bar Length	61" (1550 mm) Not to exceed overall length of spindle
Loading System	Side Load Rack (Front or Rear Load)
Magazine Width	26" (660 mm)



Specifications subject to change without notice.

Your "One-Stop-Shop" for machine tool peripherals

LNS is your one-stop-shop for industry leading bar feeding equipment and accessories, chip conveyors and coolant management systems, work holding systems and air filtration systems. So you get unmatched product range, applications experience, service and support.

The LNS customer service and technical support teams are the industry's most experienced. Together, they provide expert product selection and application assistance, professional installation and comprehensive training.

We support every product we sell with replacement parts, and both field and factory service. We provide this expert service through trained technicians who are strategically positioned throughout the world.

And because we design every bar feed, chip conveyor and coolant system we sell, we can provide parts and service for all LNS equipment - even chip conveyors and bar feeds that have been in service for over thirty years.



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