

The undisputed reference for
short bar loading

QUICK LOAD SERVO III



LNS[®]



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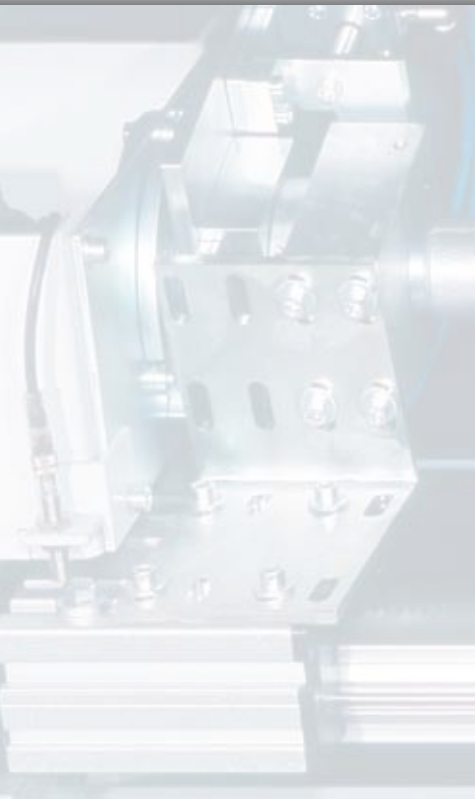
The most versatile fully-automatic short bar loader. The Quick Load Servo III offers maximum flexibility for small and medium-sized runs in the 6 to 120 mm diameter range. This bar loader can be fitted to most lathes of fixed headstocks and allows a large number of operations to be carried out in record time. In addition, due to its compact design, it occupies a minimum floorspace.

Performances

The Quick Load Servo III higher flexibility allows high-performance work for the most challenging applications. It also allows the available workspace to be used in the best possible way. The technical design and finishing of the machine also considerably reduces operational costs.

Changing diameters

In the turning industry, speed and reliable operation are of primary concern in achieving maximum productivity. For optimizing profitability, the Quick Load Servo III enables production run changeover with a few seconds only.



Movements are extra fast in order to minimize non-productive time during production. The magazine is equipped with a device that allows soft and quiet loading. The rollers keep friction to a minimum, regardless of the material or quality of the bars.

Production changeover is done by simply entering the new diameter using the remote control. Since the length of the remnant is known, the loading cycle for the new bar starts during machining of the last part.

Servo motor

The LNS servo motor control technology provides the Quick Load Servo III with a precision of bar positioning that is unrivalled on the market. The motor ensures accurate feed out to part links.

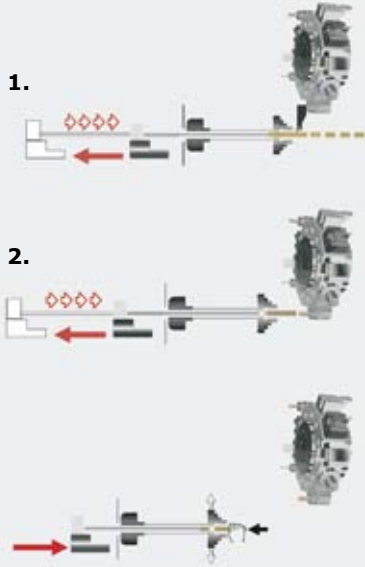
Important run equipment

In order to accommodate a broad range of diameters (6-120 mm), the Quick Load Servo III includes a wide range of equipment in the standard version, such as fully-automatic diameter control, Z or X-axis retraction, and a front or rear loading rack.

Telescopic pusher

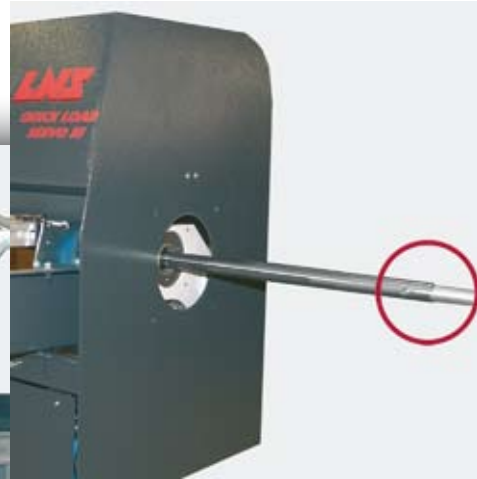
LNS also offers a telescopic pusher as an optional feature for the Quick Load Servo III. This extends the pusher by 500 mm in order to equip lathes with extra length or buried spindles. This ingenious system reduces footprint to a minimum.

Two working modes on Quick Load Servo III :



1. Without a bar stop on the turret:
By means of a traction clamping device, the infeed of the material is controlled by the loader.
2. With a bar stop on the turret:
The infeed of the material is determined by the lathe; the bar is pushed against the turret stop. "Soft touch".

When changing manually, the pusher can be used as a stop.

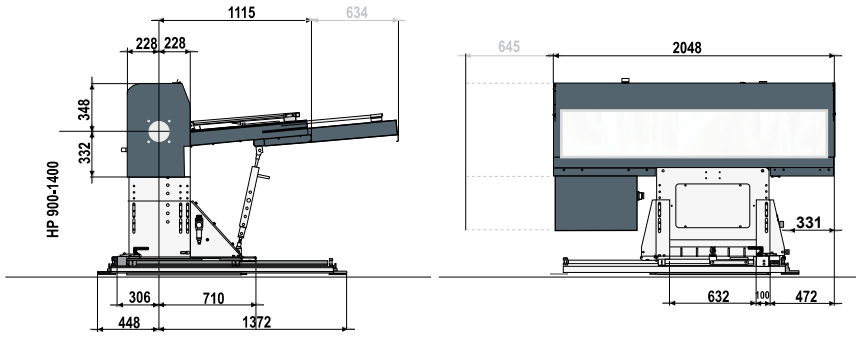


In addition, various high-value added options extras are available, such as adapters for profiled bars, a shaft loading kit, or a telescopic pusher.



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Bar diameter	ø 6 - 120 mm
Bar length	100 - 1600 mm
Loading system	Side load rack*
Loading capacity	1000 mm

*Front/rear

Options :

Shaft loading kit
Orientation kit for square stocks
Telescopic pusher



The bar length does not exceed the spindle length

The way in which the bar loader is set up has an impact on the performance of the lathe / magazine bar loader duo

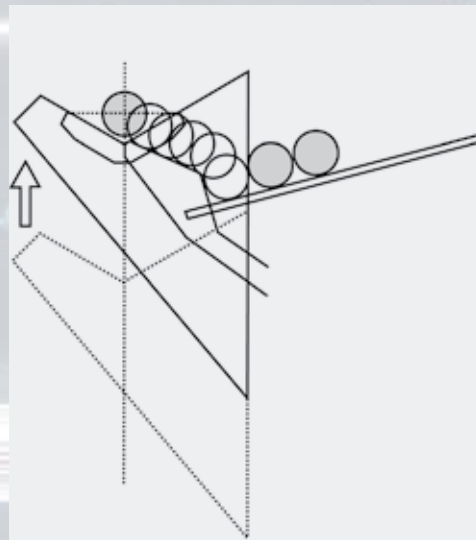
At this stage, the technician's skills, experience, and knowledge, in addition to the equipment's features, is added value.

Loading rack

The Quick Load Servo III has a loading rack based on a lateral magazine with a depth of 1000 mm. This allows storage of eight ø 120 mm bars, or 166 ø 6 mm bars. Therefore long unattended production runs are possible.

Remote control

The Quick Load Servo III's ergonomic remote control ensures simplified operations and rapid access to important information. Commands are inputted using symbols, making the procedure highly intuitive.



The user-friendly remote control helps the operator to set up the unit, and provides self-diagnosis and monitoring. The LNS worldwide technical support, with direct access to qualified assistance, provides solutions without delay to any production breakdown.



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