

Six-tube model for maximum lathe capacity of 50 to 68 mm		
Types	Tubes-ø (mm)	Bar stocks-ø (mm)
HYS 6.68 HS	70-62-55-48-40-32	24-68
HYS 6.65 HS	68-62-55-48-40-32	24-65
HYS 6.60 HS	63-58-52-44-36-28	20-60
HYS 6.55 HS	58-52-45-38-30-22	14-55
HYS 6.52 HS	54-48-42-34-26-18	10-52
HYS 6.50 HS	52-46-40-32-24-16	8-50

Six-tube model for maximum lathe capacity of 26 to 46 mm		
Types	Tubes-ø (mm)	Bar stocks-ø (mm)
HYS 6.46 HS	48-42-36-30-24-16	8-46
HYS 6.45 HS	47-42-36-30-24-16	8-45
HYS 6.42 HS	44-40-34-28-22-14	6-42
HYS 6.40 HS	42-38-34-28-22-14	6-40
HYS 6.36 HS	38-34-30-24-18-12	4-36
HYS 6.32 HS	34-30-26-21-16-10	3-32
HYS 6.30 HS	32-28-24-19-14-8	3-30
HYS 6.26 HS	28-24-20-16-12-8	3-26

Three-tube model for maximum lathe capacity of 10 to 28 mm		
Types	Tubes-ø (mm)	Bar stocks-ø (mm)
HYS 3.28 HS	30-24-16	8-28
HYS 3.26 HS	28-22-16	8-26
HYS 3.25 HS	27-21-14	6-25
HYS 3.24 HS	26-20-14	6-24
HYS 3.22 HS	24-18-12	4-22
HYS 3.20 HS	22-15-8	3-20
HYS 3.18 HS	20-14-8	3-18
HYS 3.16 HS	18-13-6	2-16
HYS 3.12 HS	14-10-6	2-12
HYS 3.10 HS	11-8-6	2-10

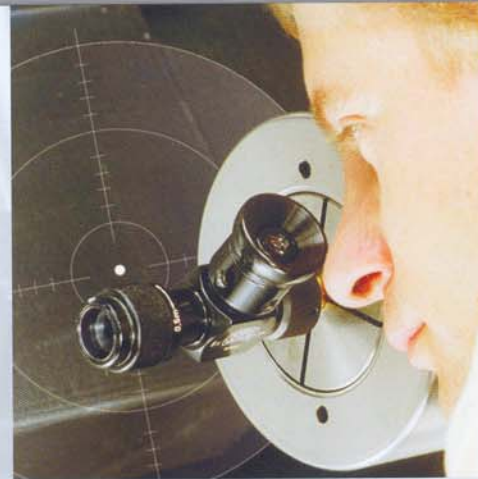
Important : A wide range of size can be accommodated according to lathe capacity.

What about spindle liners?

Finally, LNS manufacture and supply top-quality, professional liners designed specially for the operational demands of all magazine bar loaders. This, in combination with the Super Hydrobar HS, guarantees improved guiding at lower costs.

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.



30,000 users have put their trust...

SUPER HYDROBAR HS



LNS®

The LNS worldwide technical support, with direct access to qualified assistance, provides solutions without delay to any production breakdown.

Subject to modifications Hydrobar HS-EN /06-05

LNS®

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SUPER HYDROBAR HS

30,000 users have put their trust in the original HYDROBAR® technology since 1975

The Super Hydrobar HS is a manual bar loader designed for producing small and medium batches in a range of diameters from 2-68 mm. It offers maximum flexibility in the most varied lathing conditions. The Super Hydrobar HS can be fitted to all types of lathes. This applies both to CNC lathes and to cam cutters. The apparatus guarantees precise bar guidance at the fastest rotation speeds across the entire range of diameters, thanks to HYDROBAR® technology.

Exceptional performance

The quality of the workpiece surfaces, minimum tolerances and the longevity of cutting tools are constant preoccupations in the lathing industry. The Super Hydrobar HS concept guarantees reliability and unsurpassed performance.

Changing diameters

The time taken to change diameters is an important factor in production costs. The Super Hydrobar HS allows diameters to be changed in less than a minute.

Hydrodynamic effect

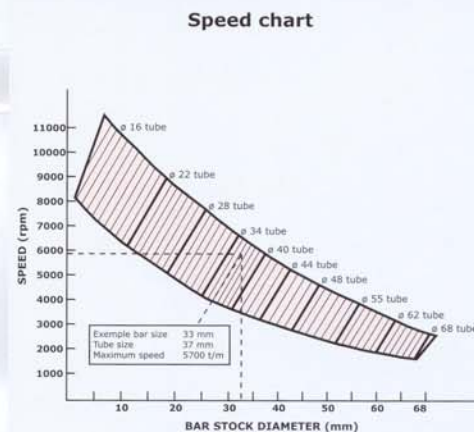
The rotation of round and profiled bars up to the highest speeds without vibration is possible thanks to the original Hydrobar technology applied on the Super Hydrobar HS.

Loading a bar

For loading a new bar, the Super Hydrobar HS is fitted with a tube swing out system.

Modularity

The Hydrobar HS comes in three models. Two models have 6 tubes, with maximum capacities of 46 mm and 68 mm; one model has 3 tubes, specially designed for lathes with mobile headstocks with a maximum diameter of 10 to 28 mm.



Speed chart for Super Hydrobar HS, based on the latest performance data. Practical tests performed with 3 meters long bar stocks having a maximum deflection of 0.5 mm by meter long.



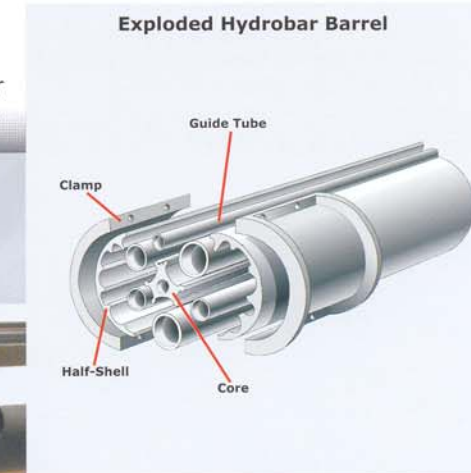
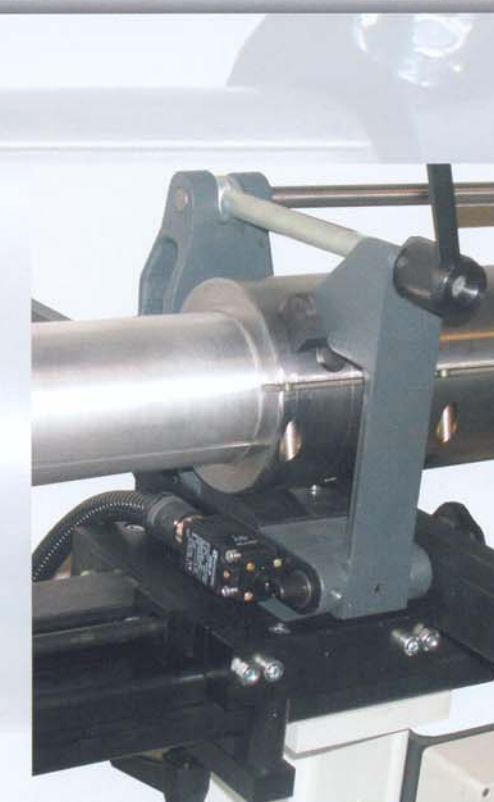
The Super Hydrobar HS features an index ring with a lever for quickly selecting the appropriate guide tube for the diameter of the bar to be manufactured. All you need to do is index the tube in the position corresponding to the new diameter to be produced and the lathe is ready. The machine is fitted with an electromechanical system for detecting the end of the bar.



No rotation
If the spindle speed is zero, the hydrodynamic support is zero and the bar rests on the feed tube.

Rotation starting
The revolving bar produces increased oil pressure and the bar is lifted from the bottom of feed tube.

Full speed rotation
With increasing speed, the hydrodynamic force increases and the bar revolves centrally, ensuring a smooth feed.



The bar is changed by laterally pivoting the tube. The Super Hydrobar HS can be equipped with a longitudinal retraction system. This option can be fitted to lathes with mobile headstocks or with poorly accessible spindles.



If the barstock is satisfying the applicable quality standards, the Super Hydrobar HS guarantees the highest maximum rotation speeds for a range of diameters from 2-68 mm. Its hydrodynamic-effect hydraulic system ensures quiet, vibration-free operation, allowing a substantial improvement in the condition of the surfaces, narrower tolerances and increased service life of tools.