

MBL 22-8

MBL 24-6

MBL 32-6

MBL 40-6

MBL 40-8

*Bar loading magazine
for INDEX multi-spindle automatic lathes*



The benefits

- Oil-flooded guide channels
 - Continuous, fully-enclosed guiding of bar stock
 - Vibration-damping effect
 - Ability to machine round and polygon bars
- Drilling of bars during machining and storage in an intermediate buffer for quick reloading of a complete bar load
- Material feeding on the loading side and setup of the drilling unit during production
- Bar feed in all positions via NC motors
- Large front doors for easy retooling access
- Bar loader available in 2 versions:
 - Version 3300: Bar length 1,500 - 3,300 mm
 - Version 4300: Bar length 2,000 - 4,300 mm

Modular component system



Rack loader

- Storage area 700 mm
- Manual loading by operator
- No additional loading equipment required



Bundle loader

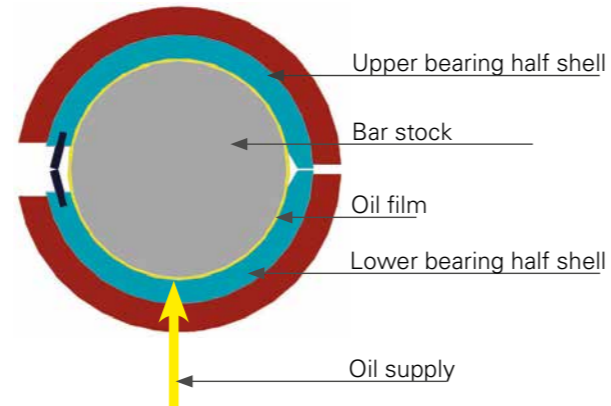
- Large storage capacity of 2,000 kg or bundle diameter 300 mm
- Rapid loading with crane or forklift



Guiding principle

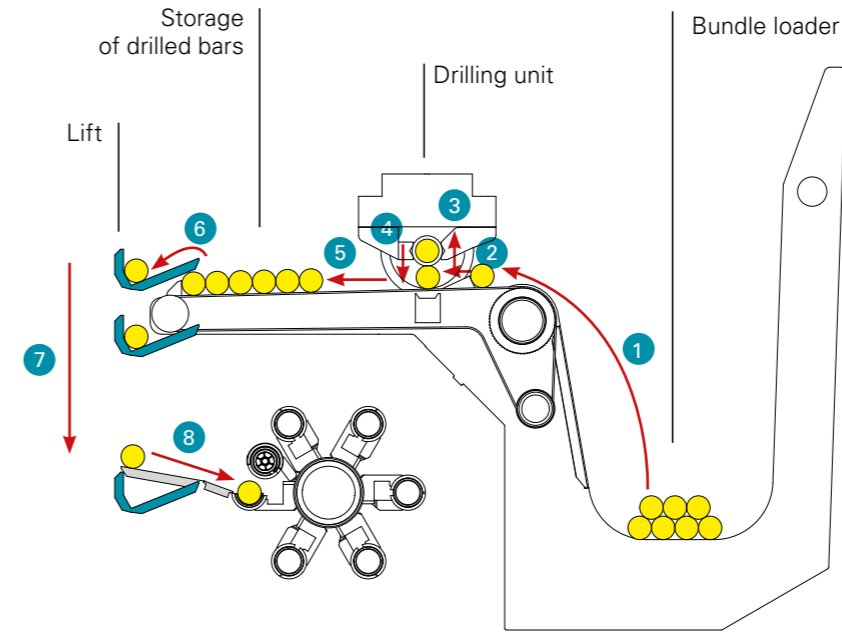
Hydrodynamic guide of bars in oil-flooded channels made of sliding bearing material

- The channels are adapted to the bar diameter with plastic liners (bearing half shells). Simple clip fasteners facilitate the setup of the bearing half shells
- This results in optimum guidance of the bar material
- The guiding principle is also suitable for polygon bars

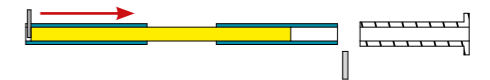


The bar stock is drilled in the bar loading magazine during machining. This enables continuous, fully enclosed guiding of the bar stock.

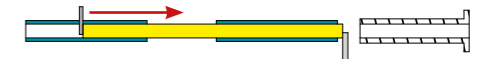
Automatic bar guiding



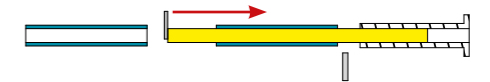
8 Bar in guide channel



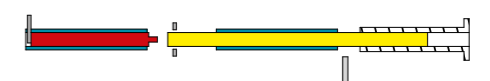
9 Measure bar length



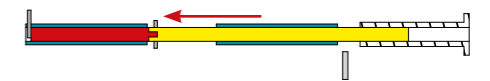
10 Feed position of gripper unit



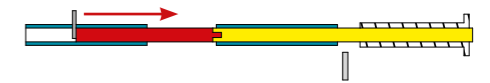
11 Grab bar



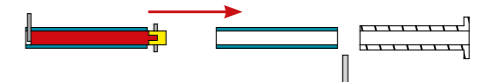
12 Pull on bar



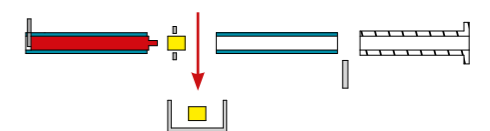
13 Machining position



14 Pull off remnant



15 Dispose of remnant



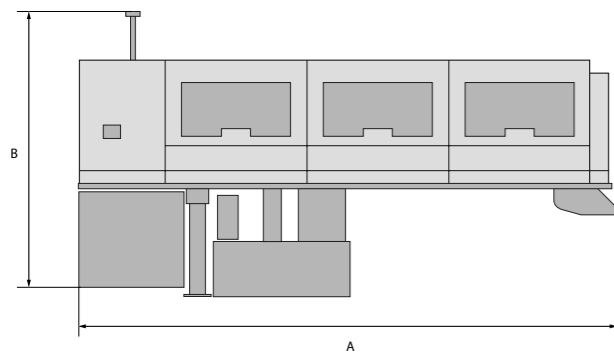


Technical data

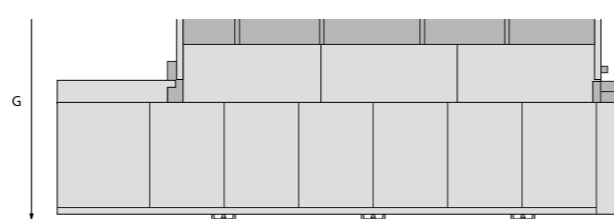
		MBL22-8	MBL24-6	MBL32-6	MBL40-6	MBL40-8
Bar stock						
Round dia.	mm	5 - 22 (24)	7 - 24	7 - 32	13 - 40	13 - 40
Hexagon Size	mm	5 - 19	6 - 20	6 - 27	12 - 34	12 - 34
Bar storage load capacity						
Rack load capacity	mm	700	700	700	700	700
Bundle load capacity dia. 300 mm	kg	max. 2,000	max. 2,000	max. 2,000	max. 2,000	max. 2,000
Bar lengths						
Version 3300	mm	1,500 - 3,300	1,500 - 3,300	1,500 - 3,300	1,500 - 3,300	1,500 - 3,300
Version 4300	mm	2,000 - 4,300	2,000 - 4,300	2,000 - 4,300	2,000 - 4,300	2,000 - 4,300
Speed depending on the nature of the bar stock.						
	rpm	up to 10,000	up to 10,000	up to 8,000	up to 7,000	up to 7,000
MBL loading magazine dimensions (see installation plan figure).						
Version 3300 length (A) / height (B)	mm	4,720 / 2,485	4,720/2,490	4,720/2,490	4,720/2,490	4,860/2,600
Version 4300 length (A) / height (B)	mm	-- / --	5,720/2,490	5,720/2,490	5,720/2,490	5,860/2,600
Rack loader version 3300 / 4300 width (G)	mm	1960	1945	1945	1945	2015
Bundle loader version 3300 / 4300 width (H)	mm	1930	1920	1920	1920	1990

Installation plan

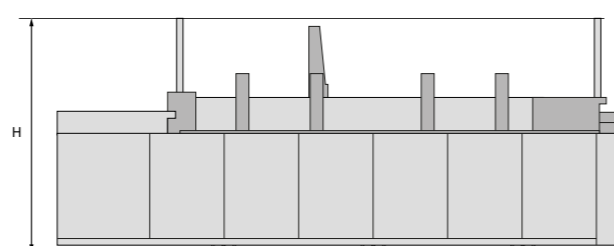
INDEX MBL bar loading magazine



Rack loader



Bundle loader



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