

MBL 76

*Bar loading magazine
for optimal turning results*

INDEX



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Fast bar change and precise guidance



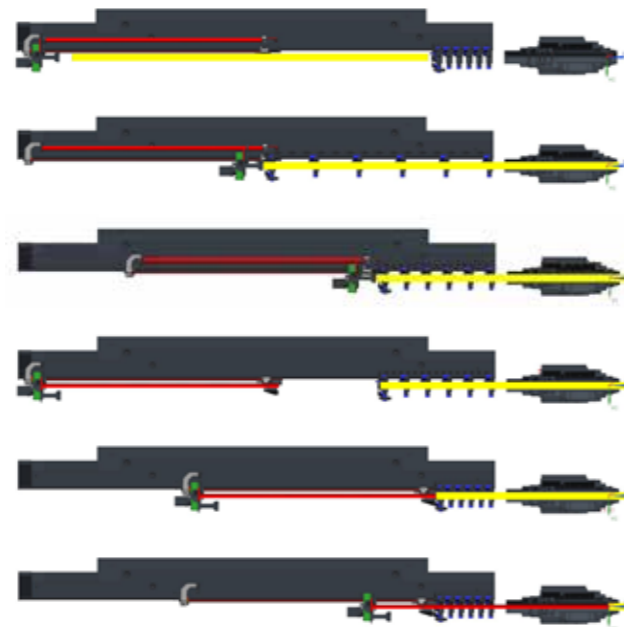
Backlash-free bar guide by rolling bearing
 Bearing plates, connected via slidable lattice grates, as a bar feeder running in roller bearings
 For receiving a bar stock.

Bar loading magazine for optimal turning results

- Backlash-free guidance of the bar in rolling bearings, with diameter-specific plastic sleeves
- Outstanding smoothness and accuracy
- Top machining results in terms of surface and tolerances – even with profiled material
- Precise alignment of the bar stock to the spindle center
- Fast bar change through intelligent process flow and fast axis movements
- Automated measurement of bar length

Loading and machining function sequence

- 1 Loading arms move the bar to the spindle center
- 2 Feed cart inserts the bar into the work spindle (initial insertion with stop disk)
- 3 Stock is machined; pushing by feed cart until push rod is required.
- 4 Push rod is swiveled in
- 5 Stock is machined
- 6 Remnant is ejected



Intelligent loader and short setup times



The benefits

- Shortest setup times through good and ergonomic accessibility and quick-change guide bushings
- Convenient loading height, loading during machining possible
- Mineral cast body for a very high degree of rigidity and damping
- Purely electrical, thus no hydraulic and pneumatic connections required
- Shorter design than comparable magazines
- The magazine is available in two bar lengths (3.2 m and 4.2 m)

Technical data

Bar stock			
Round	dia.	mm	10 - 76
Hexagonal	a/f	mm	9 - 65
Square	a/f	mm	8 - 53
Bar support			
Capacity		mm	Max. 11 bars for bars with dia. up to 50 mm Max. 6 bars for bars with dia. > 50 mm
Bar lengths			
Min.		mm	1,500/1,700
Max.		mm	3,200/4,200
Feed rate			
Rapid traverse rate		m/min	approx. 30
Operational speed, infinitely adjustable		m/min	approx. 1 - 10
Feed force			
infinitely adjustable		N	1,500
Drive			
			Servomotor
Mass			
Bar length	3200	mm	approx. 2,300 kg
Bar length	4200	mm	approx. 3,300 kg

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