

FMB



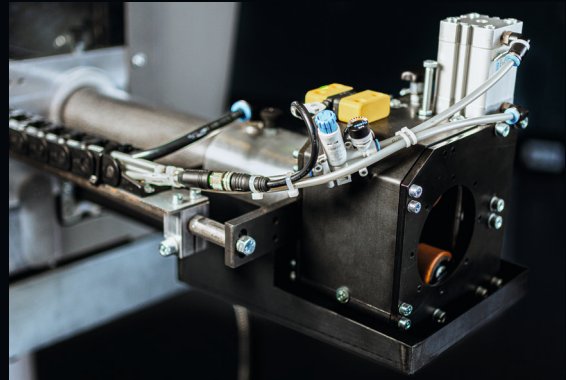
turbo **RS 4-45 V**

The bar feeder for bar diameters ranging from 4 mm — 45 mm

The FMB bar feeder for sliding headstock machines in the medium diameter range. The innovative RS-technology guarantees the highest guidance quality during the turning process. The V-technology enables an automatic diameter adjustment with minimal changeover times. The pivotable pusher allows compact dimensions.

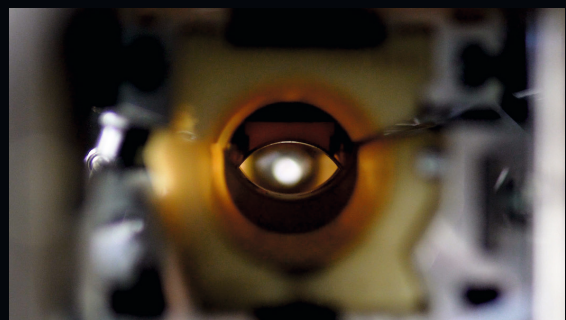
The RS-technology

The RS-technology offers transition-free guidance of the material bar up to the spindle of the lathe. The movable, oil flooded guide module is directly connected to the spindle of the lathe. It moves with it and allows constant guidance of the entire material bar. This ensures that the material bar is optimally guided even in the transition area between bar feeder and lathe. The RS-technology guarantees the highest performance during the turning process.



The V-technology

Automatic diameter adjustment for minimal changeover times. The required material bar diameter is entered in the control panel. The movable guide segments in the guide channel as well as the separating unit automatically adjust to the diameter. This means that adjusting the guide channel and replacing the pusher is not required anymore for a wide range of diameters.



Guidance of material bar

The pusher is pivotable which allows a very compact design of the bar feeder. It pushes the material bar in time with the lathe. The guide channel is flooded with oil and is equipped with toolless replaceable inserts that are compatible with the diameter of the material bar (and the passage of the spindle).



The machine base

The bar feeder's base is a torsion-resistant machine base made of extruded aluminium. This main element accommodates all components and ensures a solid and precise support of the material guide and the necessary stability of the bar feeder. The machine bases are manufactured to order by FMB.



The control panel

The mobile 8.4" control panel is touch operated. The intuitive and simple operating concept makes handling it easy for all users.

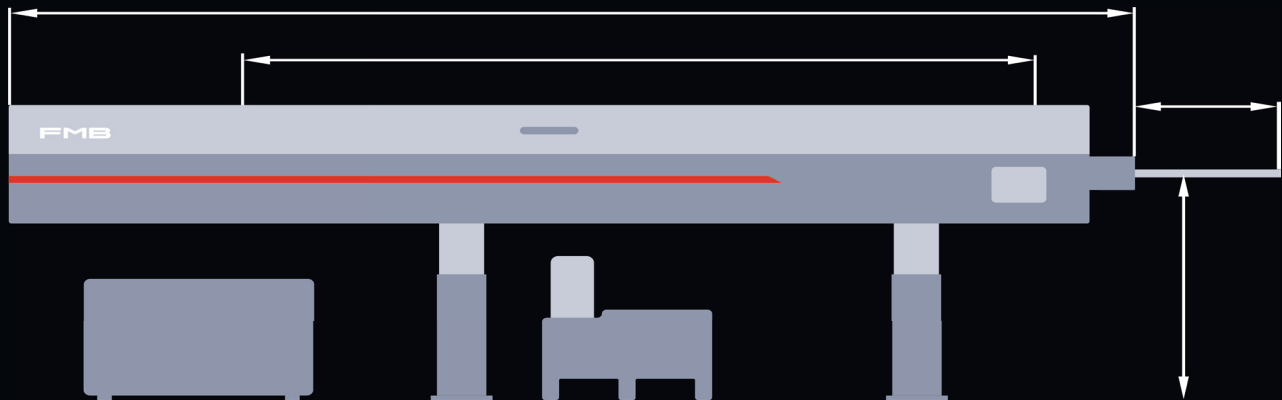


Technical data

	Unit	turbo RS 4-45 V
Ø Pusher (max.)	mm	45
Bar length*	mm	3200 / 3800 / 4200 / 6200
Ø Material bars (min. - max.)	mm	4 - 45
Loading capacity	mm	290
Loading capacity (min. Ø/max. Ø)	pieces	62 bei 4 mm / 6 bei 45 mm
Remnant length (max.)	mm	450
Loading time**	s	22,5
Feed speed	mm/s	0 - 1000
Reverse speed	mm/s	0 - 2000
Operating voltage (50/60 Hz)***	V	3 x 190 - 480
Power consumption	kW	2,5
Compressed air supply	Mpa (bar)	0,6 (6)
Weight****	kg	1200 / 1300 / 1350 / -
Hub Werkzeugmaschine	mm	bis 600

*Special lengths upon request; ** Length 3200; ***Will be adjusted according to the lathe's specifications upon delivery;
****without oil filling.

Dimensions



A: Material bar length
B: bar feeder length
C: Width bar feeder

D: Extension length of the pusher
E: Spindle height

Dimensions in mm
* Depending on the pusher

Pusher	1900	2100
	B1	B2
	D1	D2

Length	A	B1 / B2	C	D1 / D2	E
3200	3210	4600 / 4800	821	1835 / 2035	920 - 1465
3800	3810	5200 / 5400	821	1835 / 2035	920 - 1465
4200	4210	5600 / 5800	821	1835 / 2035	920 - 1465
6200	6210	7600 / 7800	821	1835 / 2035	920 - 1465

Standardized series of capacity adjustment sets

Capacity adjustment set	25	45
Round Ø (mm)	4 - 25	20 - 45
Hexagonal AF (mm)	4 - 20	20 - 37
Square AF (mm)	4 - 16	16 - 30