FMB Maschinenbaugesellschaft mbH & Co. KG

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Ø 2 mm - 23 mm

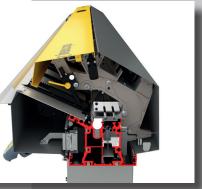
Bar feeders



Portable control panel with integrated magnetic holders for flexible attachment in the operator's working environment



Guide steady with replaceable guide bushings for the processing of round, square or hexagonal bars



Torsion-resistant machine base made of extruded aluminium allows for optimal vibration dampening



turbo 2-20

The bar feeder for bar diameters of 2 mm to 23 mm

The turbo 2-20 operates on the principle known from the turbo-series, namely the two-step feed. By pivoting the pusher, this allows for a compact and thus space-saving design. Its areas of application are Swiss lathes or fixed headstock lathes with a nominal diameter of up to 23 mm which are intended for the operation of small and average diameter ranges.

Simple and convenient - the ERGOlogic control ...

- Modern touch control with generously sized 8.4" screen makes an intuitive operating concept possible for a faster learning phase.
- Integrated assistant function for guided set up for inexperienced users.

Efficient and practice-oriented handling ...

- Fast and easy replacement of inserts makes the efficient adaption of the guide channel to different material diameters possible.
- An optional shifting device allows for the bar feeder to be pushed away up to 400mm from the lathe to replace a spindle reduction, for example.

Solid design ...

 The torsion-resistant machine base made of extruded aluminium forms the solid base and quarantees the highest vibration dampening together with inserts made of plastic.

Optimal material bar guidance ...

- When using a movable spindle stock, the sychronized device couples the bar feed of the bar feeder mechanically to the spindle stock via a coupling system and thus guarantees synchronized following of the pusher.
- The guide steady in combination with the following guide tube or telescopic tube guarantee an
 optimal guidance, even of small bar diameters in a bigger guide channel. For lathes with long travels
 along the z-axis a following steady rest is offered as additional support of the material bar.



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Loading possibilities

Feeding from right

Material storage (back)

Technical data



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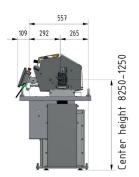
	Units	turbo 2-20			
Ø Pusher (max.)	mm	23			
Bar lengths ¹⁾	mm	2200	3200	4200	
Ø Material bars (min max.)	mm	2 - 23			
Loading capacity	mm	235			
Loading capacity (min. Ø/max. Ø)	pieces	117 with 2 mm/10 with 23 mm			
Remnant length (max.)	mm	420			
Loading time*	S	- 21 -			
Feed speed	mm/s	0 - 750			
Reverse speed	mm/s	0 - 750			
Operating voltage (50/60 Hz)	V	3 x 190 - 480 ²⁾			
Power consumption	kW	1,5			
Compressed air supply	Mpa (bar)	0,6 (6)			
Weight without oil filling	kg	450	550	650	

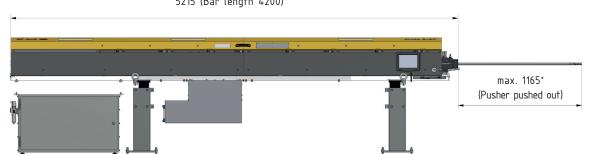
¹⁾ Special lenghts upon request.

^{*}According to FMB standard cycle.

Preferred capacity adjustment sets						
Capacity adjustment set 1)	7	10	15	23		
Round D [mm]	2 - 7 2)	3 - 10 2)	8 - 15 ²⁾	12 - 23 ²⁾		
Hexagonal AF [mm]	3 - 4	3 - 7	7 - 11	11 - 18		
Square AF [mm]	2 - 3	3 - 6	6 - 9	9 - 15		

3215 (Bar length 2200) 4215 (Bar length 3200) 5215 (Bar length 4200)





²⁾ Will be adjusted upon delivery according to specifications of the lathe.

 $^{^{\}rm I)}$ Intermediate sizes upon request. $^{\rm 2)}$ Maximum dimension can only be processed by turning the bar end.