

# minimag 20

Ø 2 mm - 23 mm

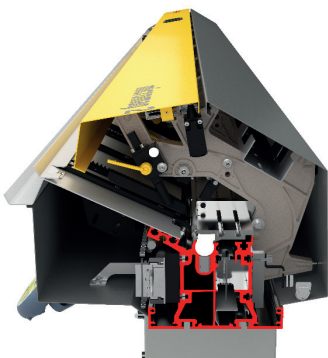
The bar feeder for bar diameters of 2 mm - 23 mm

The minimag 20 operates on the principle of the single-step feed and allows for very economical material bar replacement times and a very process-reliable hoisting of even very small material bars. Its areas of application are special Swiss lathes with a nominal diameter of up to 23 mm which are also intended for the permanent or occasional operation in smaller diameter ranges.

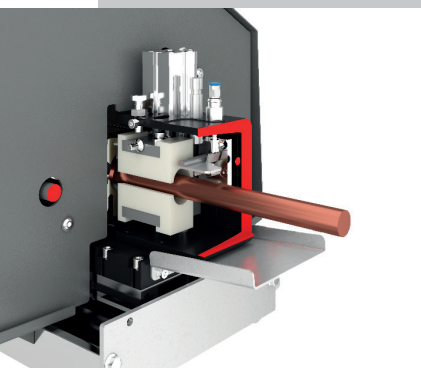
## Bar feeders



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



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



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

### 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 400 mm 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 guarantees the highest vibration dampening together with inserts made of plastic.

### Optimal material bar guidance ...

- When using a movable spindle stock, the synchronized 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.



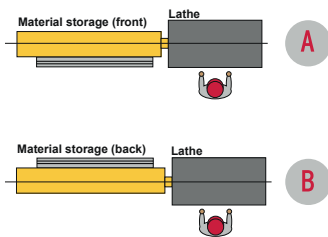
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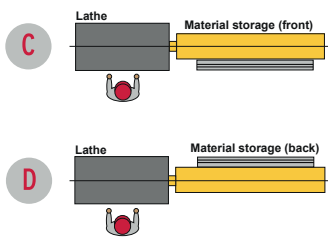
### Technical data

#### Loading possibilities

##### Feeding from left



##### Feeding from right



	Units	minimag 20		
Ø Pusher (max.)	mm	23		
Bar length <sup>1)</sup>	mm	1600	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 (ca.)	s	-	15	-
Feed speed	mm/s	0 - 750		
Reverse speed	mm/s	0 - 750		
Operating voltage (50/60 Hz)	V	3 x 190 - 480 <sup>2)</sup>		
Power consumption	kW	1,5		
Compressed air supply	Mpa (bar)	0,6 (6)		
Weight without oil filling	kg	400	550	650

<sup>1)</sup> Special lengths upon request.

<sup>2)</sup> Will be adjusted according to the lathe's specifications upon delivery.

#### Standardized series of capacity adjustment sets

Capacity adjustment set <sup>1)</sup>	5	7	10	15	23
Round D [mm]	0,8 - 5 <sup>2)</sup>	2 - 7 <sup>2)</sup>	3 - 10 <sup>2)</sup>	8 - 15 <sup>2)</sup>	12 - 23 <sup>2)</sup>
Hexagonal AF [mm]	2 - 3	3 - 4	3 - 7	7 - 11	11 - 18
Square AF [mm]	2	2 - 3	3 - 6	6 - 9	9 - 15

<sup>1)</sup> Intermediate sizes upon request.

<sup>2)</sup> Maximum dimension can only be processed by turning the bar end.

