



# Chopper

**Jaeger**   
High Performance Spindles

Redline – the new definition of low cost

The **Chopper** is a leaner **variant** of a high-end, Jäger High Performance Spindle. The main aspect taken into consideration in the development of this product was saving manufacturing costs and ultimately, an attractive final price for the customer.

A cleverly thought out basic spindle concept means that various tool clamping systems up to a maximum of 12mm are available to potential customers at a reasonable price – simply and quickly manual, pneumatic or with a taper change – all these can be integrated into the basic body.

Some Chopper-Spindles can be attached without spindle bracket directly to the machine axis using the available T-slots according DIN 650-8. An integrated ventilation system for cooling the spindle means no additional costs for otherwise necessary cooling units or you can order the Chopper-Spindle also as a liquid cooled type, but than with more power.

Jäger-High-Performance Spindles offers each Chopper-Spindle also in a “Chopper-Bundle”, that means Chopper-Spindle incl. converter at a reasonable price – please ask us.

# Redline

## Chopper 1500 H

High-frequency spindle  
Manual tool change  
ER 16

**Spindle for high-speed milling, -grinding  
-drilling, -engraving**

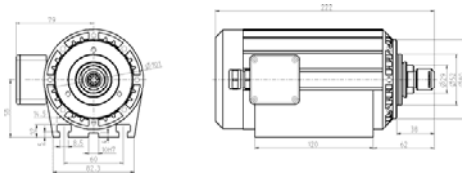
### Technical specifications

- High precision steel ball bearings – 2 Pcs.
- Lifetime lubricated, maintenance free
- Motor: type 50.2
- Nominal output power: 1,5 kW (S1)
- Nominal output power: 4,1 kW (pmax)
- Voltage: max. 230 V
- Current: 5,2 A
- Frequency: max. 500 Hz
- Motor poles: 1 pair
- Rotation speed: max. 30.000 rpm
- Motor protection: thermistor
- Sealing-air
- Cooling system: air cooled
- Housing diameter: 100 mm
- Tool change: manual tool change  
collet ER 16
- Clamping range: up to 10 mm
- Coupler plug: cable 3m
- Weight: approx. 5 kg

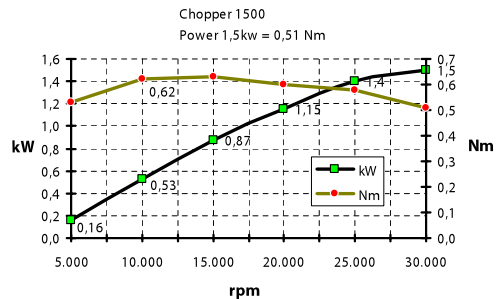
### Example of design



### Dimensions



### Power-, torque- and speed diagram



## Chopper 1500 D

High-frequency spindle  
Pneumatic direct tool change

**Spindle for high-speed milling, -grinding  
-drilling, -engraving**

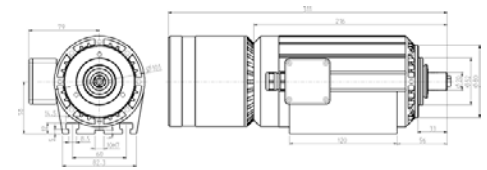
### Technical specifications

- High precision steel ball bearings – 2 Pcs.
- Lifetime lubricated, maintenance free
- Motor: type 50.2
- Nominal output power: 1,5 kW (S1)
- Nominal output power: 4,1 kW (pmax)
- Voltage: max. 230 V
- Current: 5,2 A
- Frequency: max. 500 Hz
- Motor poles: 1 pair
- Rotation speed: max. 30.000 rpm
- Motor protection: thermistor
- Sealing-air
- Cooling system: air cooled
- Housing diameter: 100 mm
- Tool change: pneumatic direct tool change
- Clamping range: up to 8 mm
- Coupler plug: cable 3m
- Weight: approx. 7 kg

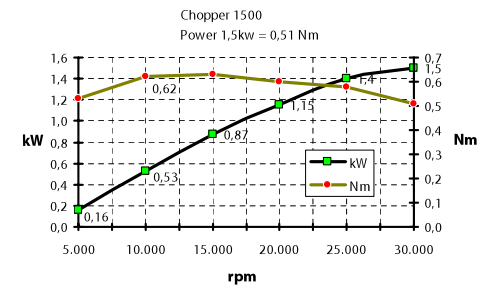
### Example of design



### Dimensions



### Power-, torque- and speed diagram



## Chopper 1500 K

High-frequency spindle  
Pneumatic change of toolholder

**Spindle for high-speed milling, -grinding  
-drilling, -engraving**

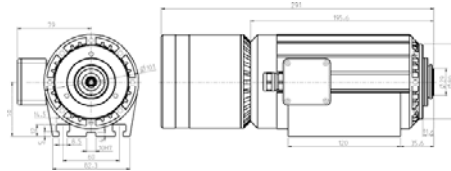
### Technical specifications

- High precision steel ball bearings – 2 Pcs.
- Lifetime lubricated, maintenance free
- Motor: type 50.2
- Nominal output power: 1,5 kW (S1)
- Nominal output power: 4,1 kW (pmax)
- Voltage: max. 230 V
- Current: 5,2 A
- Frequency: max. 500 Hz
- Motor poles: 1 pair
- Rotation speed: max. 30.000 rpm
- Motor protection: thermistor
- Sealing-air
- Cooling system: air cooled
- Housing diameter: 100 mm
- Tool change: pneumatic change of toolholder
- Clamping range: up to 10 mm
- Coupler plug: cable 3m
- Weight: approx. 7 kg

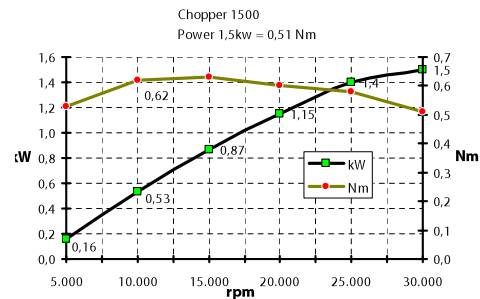
### Example of design



### Dimensions



### Power-, torque- and speed diagram



## Chopper C 80 M 430.01 S4

High-frequency spindle  
Manual tool change  
Collet type 12D

**Spindle for high-speed milling, -grinding  
-drilling, -engraving**

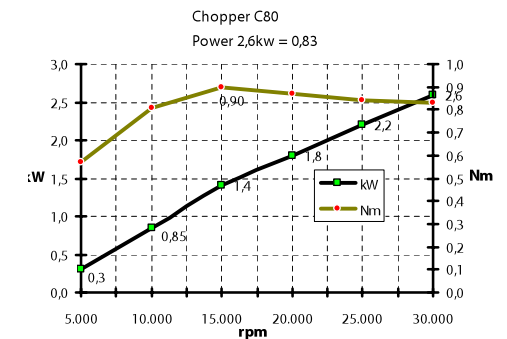
### Technical specifications

- High precision steel ball bearings – 2 Pcs.
- Lifetime lubricated, maintenance free
- Motor: type AC
- Nominal output power: 2,6 kW
- Nominal output power: 5,8 kW (pmax)
- Voltage: max. 230 V
- Current: 11 A
- Frequency: max. 500 Hz
- Motor poles: 1 pair
- Rotation speed: max. 30.000 rpm
- Motor protection: thermistor
- Sealing-air
- Cooling system: liquid cooled
- Housing diameter: 80 mm
- Tool change: manual tool change
- Collet type: 12D
- Clamping range: up to 12 mm
- Coupler plug: 9 pole plastic
- Weight: approx. 5,5 kg

### Dimensions



### Power-, torque- and speed diagram





DIN EN ISO 9001:2000  
Zertifikat: 01 100 059975

ISO 14001:2004  
OHSAS 18001:1999  
Zertifikat: 1810005Jäg00

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