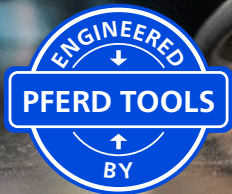


INNOVATION

PFERD



TOOLS



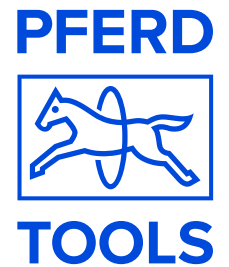
# RCK drive system

Pioneering Productivity

[pferd.com](https://pferd.com)

# RCK drive system

Pioneering Productivity



The RCK drive system with stepless rotational speed regulation is an innovative solution that combines **maximum productivity with significant ergonomic benefits**. The system produces less noise and lower vibrations than conventional drives.

In combination with the mobile control device and various handpieces, the system is **particularly light, comfortable and flexible to use for operators**. The handpieces also enable a wide range of tools to be used in virtually any industry. The system is designed for **continuous use at a constant rotational speed** and can be used with a power supply unit as well as a **powerful battery**.

The RCK drive system was designed with the aim of maximizing ergonomics and efficiency. It enables users to work comfortably whilst maximizing productivity in continuous use.

## Advantages:

- Boosts productivity by up to 50 % thanks to constant rotational speed.
- Comfortable, ergonomic working with fast, optimal results.
- Can be used with a battery for mobile use or a power supply unit, for a variety of industrial applications.



Find out more about the RCK drive system.

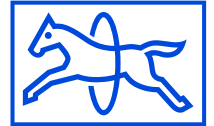


**When used with the battery,  
also suitable for work inside  
conductive components**

# RCK drive system

The control device

**PFERD**



**TOOLS**

The mobile control unit enables precise operation of various handpieces. It achieves a maximum rotational speed of 80,000 RPM and, thanks to its high performance electronics, maintains this stable speed during operation.

A stable and dust-protected aluminium housing with rubber protective bumpers ensure a sturdy design. The high contrast display is easy to read at all times.





### RCK STG 10/800 control device

Control device that enables different handpieces to be actuated precisely. Achieves a maximum rotational speed of 80,000 RPM and keeps it stable during operation.



**Contents:**

Battery or power supply unit must be ordered separately.

**Special features:**

- Equipped with intelligent control electronics.
- Comes with a sturdy design.
- Can run on battery power or with a power supply unit.

Max. rotational speed [RPM]	Max. power consumption [watts]	Max. power output [watts]	Max. supply voltage [volts]	Net weight [kg]	Item no.	Designation
80,000	1,560	1,000	50.4 – 58.8	4.930	83001000	RCK STG 10/800



### Control device RCK STG 10/800 in L-BOXX

Control device in L-BOXX – for convenient transport. Provides more protection for the control device in mobile use.

**Contents:**

With case (PFERD TOOLS L-BOXX 374 RCK STG) and control device (RCK STG 10/800).

- Can run on battery power or with a power supply unit.

**Special features:**

- Equipped with intelligent control electronics.
- Sturdy, dust-protected housing.

Max. rotational speed [RPM]	Max. power consumption [watts]	Max. power output [watts]	Max. supply voltage [volts]	Net weight [kg]	Item no.	Designation
80,000	1,560	1,000	50.4 – 58.8	8.792	83001001	RCK STG 10/800 L-BOXX



### Control device RCK STG 10/800 with grip in L-BOXX

Control device with grip in L-BOXX for convenient transport. Provides more protection for the control device in mobile use. The grip and reducers ensure that the handpieces are securely fastened to the control device.

**Contents:**

With case (PFERD TOOLS L-BOXX 374 RCK STG WITH GRIP), control device (RCK STG 10/800) as well as grip and reducers (RCK GRIP STG KPL).

**Special features:**

- Equipped with intelligent control electronics.
- Sturdy, dust-protected housing.
- Can run on battery power or with a power supply unit.

Max. rotational speed [RPM]	Max. power consumption [watts]	Max. power output [watts]	Max. supply voltage [volts]	Net weight [kg]	Item no.	Designation
80,000	1,560	1,000	50.4 – 58.8	9.152	83001002	RCK STG 10/800 GR L-BOXX



### Straight handpiece RCK GS 2/800 SP

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.



#### Contents:

1.8 m handpiece cable, 3 mm collet (collet group 17), 1x blank shank BSC 3 mm, 2 keys (1x MIM SPS DK D 7, 1x MIM ARS HA D 23.5 mm).

#### Special features:

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
80,000 – 40,000	180	58	0.330	83002001	RCK GS 2/800 SP



### Straight handpiece RCK GS 1/700

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

#### Contents:

1.8 m handpiece cable, 3 mm collet (collet group 17), 2 keys (1x SPS VK 4 mm, 1x STS D 2.35 mm)

#### Special features:

- Straight handpiece with aluminium housing with a particularly slim and light design.
- Very high concentricity speed and very quiet.
- Low-maintenance thanks to brushless motor for delicate work.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
70,000 – 35,000	120	58	0.095	83002006	RCK GS 1/700



### Straight handpiece RCK GS 2/600 Z-SP

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

#### Contents:

1.8 m handpiece cable, 3 mm collet (collet group 17), 1x blank shank BSC 3 mm, 3 keys (1x MIM SPS DK D 7, 1x DM SW 10/10 mm, 1x BSC 2.35 mm).

#### Special features:

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
60,000 – 30,000	150	58	0.260	83002002	RCK GS 2/600 Z-SP



### Straight handpiece RCK GS 2/600 SP

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

#### Contents:

1.8 m handpiece cable, 3 mm collet (collet group 17), 1x blank shank BSC 3 mm, 2 keys (1x MIM SPS DK D 7, 1x MIM ARS HA D 23.5 mm).

#### Special features:

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
60,000 – 30,000	150	58	0.315	83002003	RCK GS 2/600 SP



### Straight handpiece RCK GS 2/600

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

#### Contents:

1.8 m handpiece cable, 2 keys (1x DM SW 10/10 mm, 1x MIM DSTS SW 11x D 2.4 mm), 3 mm collet (collet group 19), 1x blank shank BSC 3 mm.

#### Special features:

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
60,000 – 30,000	150	58	0.393	83002004	RCK GS 2/600



### Straight handpiece RCK GS 2/500 V-SP

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

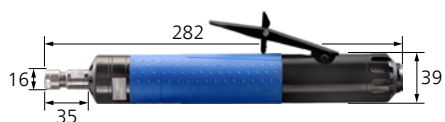
#### Contents:

1.8 m handpiece cable, 3 mm collet (collet group 17), 1x blank shank BSC 3 mm, 2 keys (1x MIM ARS HA D 23.5 mm, 1x MIM SPS DK D 7).

#### Special features:

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.
- Start interlock without clamped tool.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
50,000 – 25,000	150	58	0.325	83002005	RCK GS 2/500 V-SP



### Straight handpiece RCK GS 4/400

The RCK handpiece in the **400 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

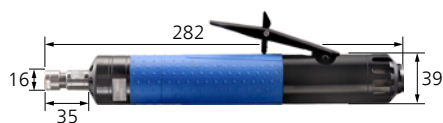
#### Contents:

2 keys (2x EM SW 14 mm), 6 mm collet (collet group 21), 2 m handpiece cable (RCK AK 2 m).

#### Special features:

- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to brushless motor.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
40,000 – 20,000	380	58	0.885	83004001	RCK GS 4/400



### Straight handpiece RCK GS 4/100

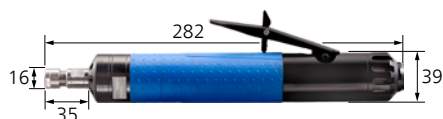
The RCK handpiece in the **400 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

**Contents:**  
2 keys (2x EM SW 14 mm), 6 mm collet (collet group 21), 2 m handpiece cable (RCK AK 2 m).

**Special features:**

- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to brushless motor.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
10,000 – 5,000	380	58	0.877	83004002	RCK GS 4/100



### Straight handpiece RCK GS 4/50

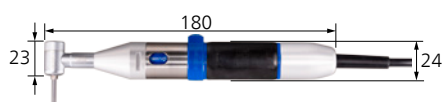
The RCK handpiece in the **400 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

**Contents:**  
2 keys (2x EM SW 14 mm), 6 mm collet (collet group 21), 2 m handpiece cable (RCK AK 2 m).

**Special features:**

- Unique, sturdy design for particularly quiet working.
- Low-maintenance thanks to brushless motor.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
5,000 – 2,500	380	58	0.877	83004003	RCK GS 4/50



### Angle handpiece RCK WS 1/300 90°

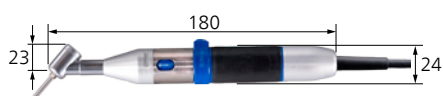
The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

**Contents:**  
1.8 m handpiece cable, 3 mm collet (collet group 18), 2 keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x blank shank BSC 3 mm.

**Special features:**

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
30,000 – 15,000	120	58	0.245	83003001	RCK WS 1/300 90°



### Angle handpiece RCK WS 1/300 45°

The RCK handpiece in the **200 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

**Contents:**  
1.8 m handpiece cable, 3 mm collet (collet group 18), 2 keys (1x MIM ARH, 1x DM SW 4/4 mm), 1x blank shank BSC 3 mm.

**Special features:**

- Slim and lightweight design as well as automatic speed limitation.
- Very high concentricity speed and very quiet.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
30,000 – 15,000	120	58	0.243	83003002	RCK WS 1/300 45°



### Angle handpiece RCK WS 4/200 90°

The RCK handpiece in the **400 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

#### Contents:

2 m handpiece cable (RCK AK 2 m), 6 mm collet (collet group 6), 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

#### Special features:

- High-performance angle handpiece with an innovative, robust design for particularly quiet working.
- The 90° angle head is ideally suited to working in hard-to-reach areas.
- Low-maintenance thanks to brushless motor.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
30,000 – 15,000	380	58	1.171	83004011	RCK WS 4/200 90°



### Angle handpiece RCK WS 4/100 90°

The RCK handpiece in the **400 W performance class** has a brushless motor with a very stable speed and improved ergonomics.

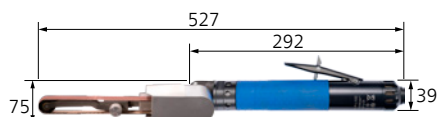
#### Contents:

2 m handpiece cable (RCK AK 2 m), 6 mm collet (collet group 6), 2 keys (1x EM SW 11 mm, 1x EM SW 14 mm).

#### Special features:

- High-performance angle handpiece with an innovative, robust design for particularly quiet working.
- The 90° angle head is ideally suited to working in hard-to-reach areas.
- Low-maintenance thanks to brushless motor.

Rotational speed range [RPM]	Power output [watts]	Max. voltage [volts]	Net weight [kg]	Item no.	Designation
10,000 – 5,000	380	58	1.178	83004012	RCK WS 4/100 90°



### Belt grinder handpiece RCK B 4/200

The RCK belt sander handpiece in the **400 watt performance class** with a robust design for a **belt length of 520 mm (\*610 mm) x belt width 3–20 mm**. Low maintenance thanks to brushless motor.

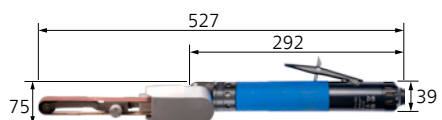
#### Contents:

2 m handpiece cable, 2 keys (1x SKS SW 3 mm, 1x SKS SW 4 mm), protective cover.

#### Special features:

- Suitable for belt grinder attachment arms from group 2.
- \*The BSAD 41/36 x 610 belt grinding adapter achieves a belt length of 610 mm.

Belt speed [m/s]	Power output [watts]	Suitable belt width [mm]	Suitable belt length [mm]	Net weight [kg]	Item no.	Designation
12-24.1	380	3-16	520	1.365	83004021	RCK B 4/200



### Belt grinder handpiece RCK B 4/100

The RCK belt sander handpiece in the **400 watt performance class** with a robust design for a **belt length of 520 mm (\*610 mm) x belt width 3–20 mm**. Low maintenance thanks to brushless motor.

#### Contents:

2 m handpiece cable, 2 keys (1x SKS SW 3 mm, 1x SKS SW 4 mm), protective cover.

#### Special features:

- Suitable for belt grinder attachment arms from group 2.
- \*The BSAD 41/36 x 610 belt grinding adapter achieves a belt length of 610 mm.

Belt speed [m/s]	Power output [watts]	Suitable belt width [mm]	Suitable belt length [mm]	Net weight [kg]	Item no.	Designation
6-12	380	3-16	520	1.358	83004022	RCK B 4/100



## High-performance rechargeable battery RCK BAT

High-performance rechargeable battery with 50.4 V nominal voltage.



**Special features:**

- Work safely with safety extra-low voltage.
- Overload protection.

Cell type	Nominal voltage [volts]	Nominal capacity [Ah]	Energy [Wh]	Net weight [kg]	Item no.	Designation
Lithium-ion	50.4	5.6	282.24	1.950	98990001	RCK BAT



## Rapid charger RCK SL

Rapid charger with universal IEC power connector.

**Contents:**

2 m power cable with mains connector.

Input voltage [VAC]	Frequency [Hz]	Max. power consumption [watts]	Max. charging current [A]	Net weight [kg]	Item no.	Designation
100 – 240	50 – 60	300	4.6	1.219	98990010	RCK SL



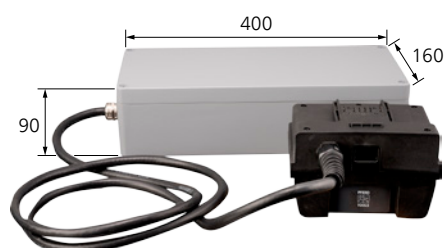
## Rapid charger RCK SL in L-BOXX

The RCK rapid charger in the L-BOXX – convenient transport and reliable protection while on the go. Integrated mounting for RCK-BAT.

**Contents:**

With case (PFERD TOOLS L-BOXX 136 RCK SL + BAT) and rapid charger with EU plug (RCK SL).

Input voltage [VAC]	Frequency [Hz]	Max. power consumption [watts]	Max. charging current [A]	Net weight [kg]	Item no.	Designation
100 – 240	50 – 60	300	4.6	3.935	98990013	RCK SL L-BOXX



### Electronic power supply unit RCK NT

Electronic power supply unit with universal IEC power connector and dust-protected housing.



**Contents:**

2 m power cable with mains connector.

Input voltage [V/V]	Nominal current [A/A]	Frequency [Hz]	Nominal voltage [volts]	Net weight [kg]	Item no.	Designation
120 / 240	9 / 6.5	50 – 60	57.5	5.610	98990020	RCK NT



### Electronic power supply unit RCK NT in L-BOXX

The RCK power supply unit in the L-BOXX enables convenient transport and optimum protection while on the go.

**Contents:**

With case (PFERD TOOLS L-BOXX 238 RCK NT) and power supply unit with EU plug (RCK NT).

Input voltage [V/V]	Nominal current [A/A]	Frequency [Hz]	Nominal voltage [volts]	Net weight [kg]	Item no.	Designation
120 / 240	9 / 6.5	50 – 60	57.5	8.947	98990023	RCK NT L-BOXX



### Foot switch RCK FU-R

Vario foot switch which can be connected on the rear of the RCK control device and can be used to control the rotational speed of the RCK handpieces.

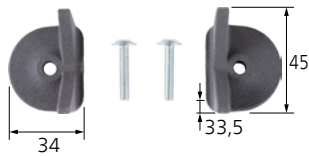
Net weight [kg]	Item no.	Designation
0.845	98990030	RCK FU-R



### Foot switch RCK FU-E/A

On/off foot switch which can be connected on the rear of the RCK control device and can be used to switch the RCK handpieces on and off.

Net weight [kg]	Item no.	Designation
0.310	98990031	RCK FU-E/A



**Handpiece support set RCK HA A-SET**

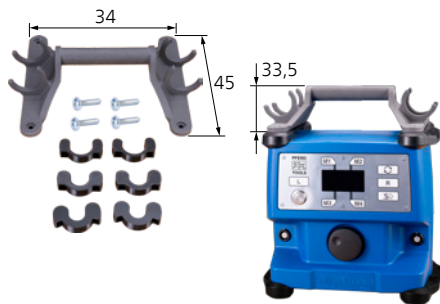
The RCK handpiece support set makes it possible to keep the handpieces tidy and secure on the control device.



**Contents:**

2x pan head screws M5 x 251, key (SKS SW 3 mm)

Net weight [kg]	Item no.	Designation
0.030	98991074	RCK HA A-SET



**Grip and reducers RCK GR STG KPL**

The grip and the reducers are fastened to the control device. The set consists of an RCK grip which makes it easier to transport the RCK control device, plus two handpiece reducers for secure placement two each with a diameter of 19, 24 and 30 mm.

**Contents:**

2x handpiece holder reducer RCK D19,  
2x handpiece holder reducer RCK D24,  
2x handpiece holder reducer RCK D30,  
4x pan head screw M5 x 25, key (SKS SW 3 mm)

**Special features:**

- Ensure that the handpieces are securely fastened to the control device.

Net weight [kg]	Item no.	Designation
0.280	98991100	RCK GR STG KPL



**Connecting cable RCK AK**

RCK connecting cable measuring 1.5 m, 2 m, 3 m and 5 m for the use of RCK handpieces. Only suitable for **RCK handpieces > 300 watts**.

Length [m]	Net weight [kg]	Item no.	Designation
1.5	0.196	98990040	RCK AK 1.5 m
2	0.246	98990041	RCK AK 2 m
3	0.346	98990042	RCK AK 3 m
5	0.546	98990043	RCK AK 5 m

