

Wöhler Snap & Sweep



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1 General Information

1.1 Operation Manual Information

Read these operating instructions carefully. They will enable you to operate the Wöhler Snap and Sweep system safely. Please keep this manual for your information.

The Wöhler Snap and Sweep System should be employed by professionals for its intended use only.

Liability is void for any damages caused by not following this manual.

The Wöhler Snap and Sweep System is available in various combinations. Not all parts described in this manual may be included in your set.

1.2 Notes



WARNING!

Not following this warning can cause injury or death.



ATTENTION!

Not following this note can cause permanent damage to the analyzer.



NOTE!

Useful information

1.3 Proper use

The Wöhler Snap and Sweep System is used for cleaning chimneys, exhaust pipes and air ducts. Cleaning can be carried out by one person.

For this purpose, a cleaning attachment is placed on a rod. The rod is then extended by any number of additional rods.

For cleaning, the rods can be pushed by hand or rotated with a cordless screwdriver or a drill. Do not use the Wöhler Hammer Probe for any other use than set out in this manual.



ATTENTION!

The Wöhler Snap & Sweep System can be used for cleaning pipes with a diameter of Ø 15 cm or more.

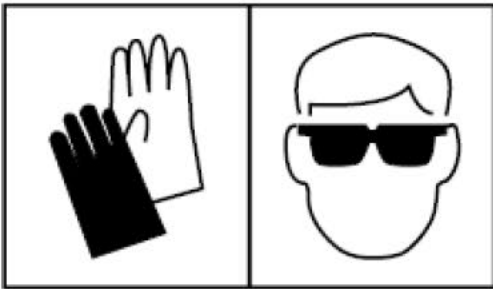


ATTENTION!

The Wöhler Snap & Sweep **Strong** System cannot be used in rotation. The rods must be pushed.

1.4 Address

2 Important information



WARNING!

Fiberglass rods may splinter during use. Appropriate hand and eye-protection is highly recommended.



WARNING!

If the rod is rotated with a cordless screwdriver, the hand guiding the rod must only loosely surround the rod. Rings must be removed. Friction injuries could result from the fast rotation.



WARNING!

Make sure that the cleaning attachments cannot touch any body parts when the cordless drill is switched on. Chains and trimmer tools in particular can cause injury during operation.



WARNING!

If a chain or trimmer thread gets caught in the chimney during cleaning, the cordless drill can be knocked out of the hand. This applies in particular if the drill does not have a slipping clutch. Therefore, always select a suitable rotation speed!



ATTENTION!

Use the Snap & Sweep system only within the specified temperatures.



ATTENTION!

Only operate the cordless drill clockwise! In left-handed operation, the connection adapter rotates out of the chuck.

3 Technical Data and application

3.1 Rods and drive unit

Rod



Fig. 1: Bag with rods

Description	Data
Material:	Synthetic material
Length	1 m
Operating Temperature	- 5° C - 85 °C
Connections	1 male plug and 1 female plug each
Stiffness	
blue rod	soft
black rod	regular
red rod	strong

Drill adapter



Fig. 2: Drill adapter

- For connecting cordless drill and rod

Description	Data
Material	VA -steel
Chuck connection	hexagonal 10 mm
Rod connection	Snap & Sweep

Machine setting

Description	Data
Maximum torque	10 Nm

Push rod with handle



Fig. 3: Using the push rod with handle (article 11270)

- to be mounted between drill attachment and rod (only for rotating bars)
- protects the hand
- For an easier insertion of the rod into the chimney opening, even if the opening is close to the floor

3.2 Cleaning Tools

Brush



Fig. 4: Brush with Wöhler Snap und Sweep Connection

- for cleaning of chimneys, stainless steel pipes and plastic pipes

Description	Data
Thickness	4 layers
Available diameters	15 cm, 18 cm, 20 cm, 25 cm, 30 cm 35 cm, 40 cm
Diameter of the strings	2,0 mm
Material	Nylon
Working temperature	≤ 50 °C
Connection	Snap & Sweep

Universal Rotary Head with strings

- For cleaning chimneys

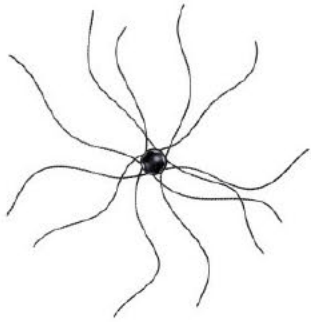


Fig. 5: Universal Rotary Head

Description	Data
Number of strings	6
String length	30 cm or 50 cm
Diameter	3 mm
Working Temperature	$\leq 85\text{ }^{\circ}\text{C}$
Connection	Snap & Sweep

Universal Rotary Head with chains



Fig. 6: Chains Rotary Head

- for dissolving soot in masonry chimneys



ATTENTION!

Do not use in clay pipes!

Description	Data
Number of chains	6
Length of the chains	15 cm or 25 cm
Material	Edelstahl
Working Temperature	≤ 85 °C
Connection	Snap & Sweep

Options



Fig. 7: Harpoon for removing nests

Optionally, further cleaning tools with M10 thread can be used. The tool is then screwed directly onto the rotation base.

The harpoon and the bird nest cutter are particularly suitable for removing bird nests.



Fig. 8: Milling head for Bird's nest mounted on the head adapter

- Push the rotating milling head into the bird's nest.

4 Parts

Rod

- 1 Male connector with snap straps
- 2 Female connector

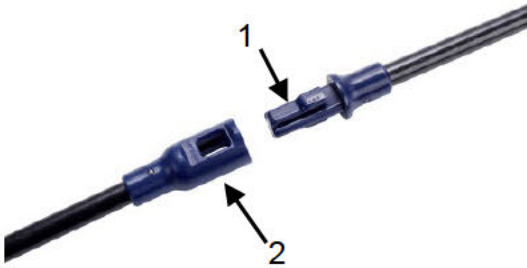


Fig. 9: Connecting the rods

Rotary head

- 3 Rotating body with M 10 female thread, for holding the star grip screw or an optional cleaning tool with M 10 thread
- 4 Clamping part
- 5 Star grip screw

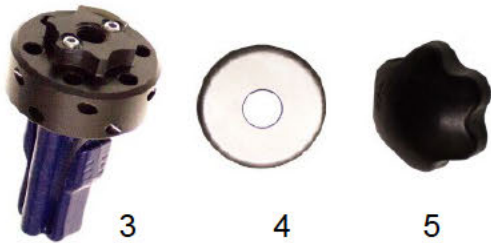


Fig. 10: Parts of the Universal Rotary Head

5 Working with the Wöhler Snap & Sweep-System

The Wöhler Snap and Sweep System is rotated by a cordless screwdriver or a drill. This does not apply to the "Snap & Sweep **Strong**" system.



NOTE!

When cleaning very big chimneys with the red rods we recommend not to rotate the rods by a screwdriver or drill. Only push the rods.



NOTE!

For safe handling, the use of an angle battery screwdriver is recommended.



WARNING!

Before mounting the adapter, cleaning tools and rods, always block the operating switch of the cordless screwdriver to prevent unintentional starting!

5.1 Mounting the Adapter and the rod



Fig. 11: Cordless angle drill with drill adapter

- Unscrew the drill chuck (1) counterclockwise.
- Insert the adapter (2) into the drill chuck.
- Tighten the drill chuck (1) clockwise.
- Slide the male rod connector into the adapter. The tabs of the connector must be inserted into the holes of the adapter until they snap into place.



WARNING!

The tabs of the plug must be inserted into the recesses of the drill until they click into place!

6 Assembly and disassembly of the system

6.1 Assembling the cleaning tool

- Slide the male connector of the cleaning tool into the female connector of the rod.



Fig. 12: Assembling the cleaning tool



WARNING!

The tabs of the plug must be inserted into the holes of the sleeve until they engage with a clearly audible click.

6.2 Connecting the rods

- Connect the rods in the same way.



Fig. 13: Connecting the rods

6.3 Disconnecting

- Press the snap straps inwards with the fingers and thumb of your left hand and simultaneously pull the rod or cleaning tool out of the female connector with your right hand.

6.4 Cleaning from below

- Place a soot bag under the chimney opening.
- Install the cleaning tool on a rod.
- Slide the rod with the cleaning tool into the chimney.



NOTE!

If necessary, you can seal the chimney opening with a soot protection cone or a sealing element and pass the rod through a hole in the element.

- Connect a second rod to the first.
- Connect the drill to the lower end of the rod.
- Switch on the drill to rotate the cleaning attachment and push the rod as far as possible into the chimney at the same time.



NOTE!

Dieser Schritt gilt nicht für das System Snap & Sweep Strong. Hier nur stoßend arbeiten!

- Separate the drill from the rod and connect it to the next rod.
- Repeat the process until the entire chimney has been cleaned.
- When pulling out the rods, work in reverse order.



NOTE!

It is recommended to spread the bag as a base. Rods and cleaning tools can be placed there after use. This prevents a pollution of the working area.

7 Installing the cleaning tools

7.1 Mounting the chains



Fig. 14: Parts of the push head adapter

- Unscrew the parts of the push head adapter.



Fig. 15: Fixing the chains to the clamping part

- Place the clamping part on a straight surface.
- Hang the last chain link over a pin. Up to 6 chains can be attached.
- Place the rotating base on the clamping part so that the pins are inserted into the holes.



Fig. 16: The chains are fixed with the clamping part and the star grip screw.

- Screw the star grip screw onto the clamping part and the rotation base.

7.2 Inserting the line stars

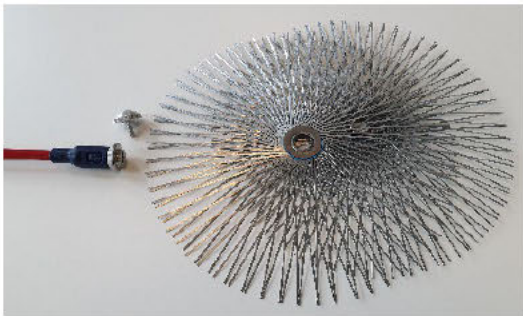


Fig. 17: Assembly of line stars



NOTE!

You can assemble up to two line stars in the same way.

7.3 Mounting the strings



Fig. 18: Rotary Head with trimmer strings

- Loosen the star grip screw with two turns.



- Insert the trimmer strings through the holes on the side of the rotation base. The strings are automatically guided correctly.
- Tighten the star grip screw again to fix the strings.

Fig. 19: Threading the strings on the rotation base

8 Warranty

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Every Wöhler Snap & Sweep system is tested in all functions at the factory and only leaves our factory after a detailed quality control.

The warranty period for the Wöhler Snap & Sweep System is 12 months if used properly.

This warranty is void if repairs and modifications have been made to the system by a third, unauthorized party.