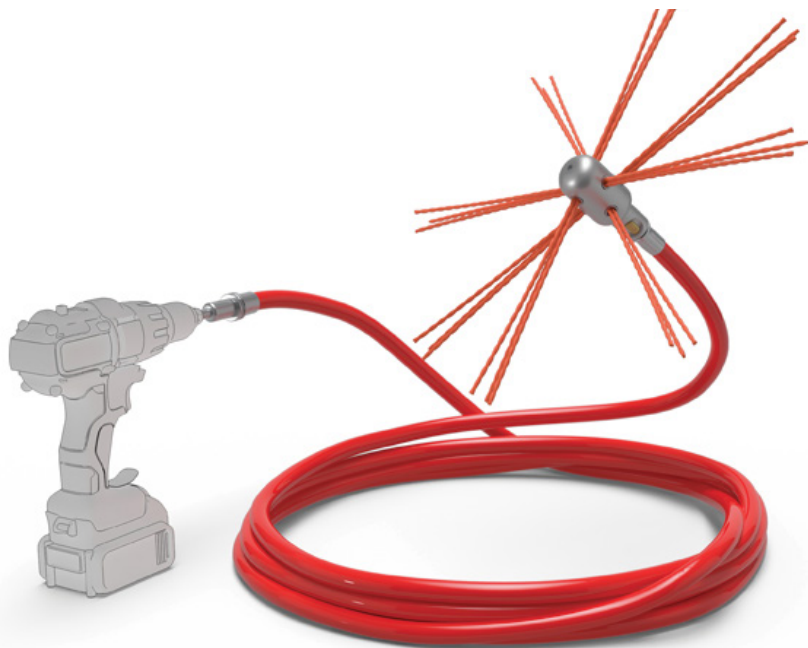




 **TORNADO**
Power Cleaning System
Suitable for chimneys, ventilations and sewerage



TORNADO COBRA

rotary chimney sweeper

USER MANUAL

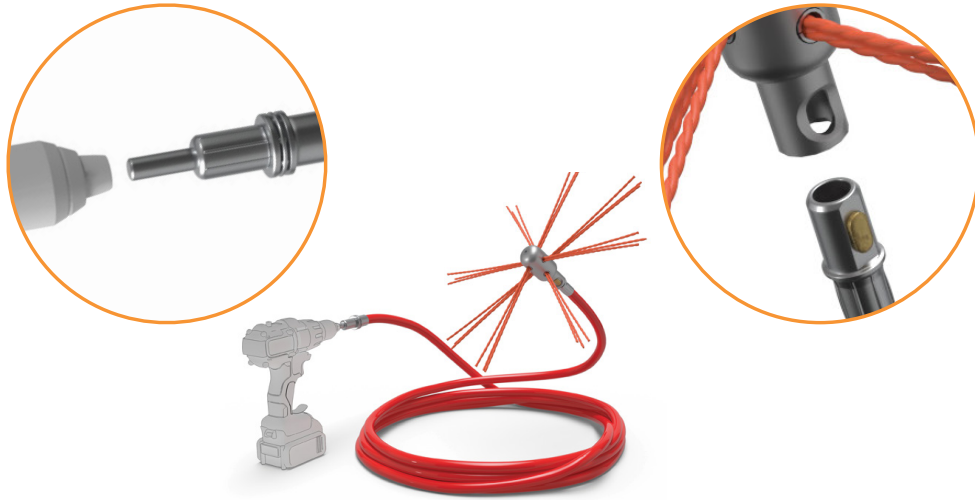
EN

www.hansaflame.com

Dear customer,

Thank you for purchasing the Tornado Cobra Rotary Chimney Sweep Kit. Before using the kit, follow the instructions for use and the safety tips in this manual.
We wish you a successful use of the rotary chimney cleaning kit - Tornado Cobra!

TORNADO COBRA standard set



Nr.	Title	Quantity
1.	Flexible cable	Depending on the set
2.	Brush with nylon bristles for chimney cleaning	1 pcs
3.	Drill adapter	1 pcs

Additional measures are recommended

(Not supplied by manufacturer)

In order to ensure smooth chimney cleaning, it is recommended to prepare the following additional tools before starting use:

- Cordless drill with adjustable revolutions;
- Safety glasses;
- Respirator;
- Protective gloves;
- Foam rubber (or other cork material) to seal the chimney opening;
- Soot vacuum cleaner

Preparing for chimney cleaning

Please note that carbon black is a hazardous substance. **Make sure** you wear safety glasses, a respirator and protective gloves throughout the cleaning process to protect your eyes, skin and respiratory tract from contact with soot. Do not use rubber gloves as they may stick to the shafts and injure your wrist. Do not wear loose clothing while working, as the high-speed rotating cable may involve your clothing.

Chimneys can only be cleaned after the heating device has cooled down. It is recommended to start cleaning the chimney at least 24 hours after the last use of the heating device.

To protect the floor from soot, place a polyethylene film on the floor in front of the heating device. Remove the combustion damper (if any) located at the chimney connection from your heating device, as well as all other removable parts of the heating device.



NOTE:

If the chimney is completely blocked, remove all obstructions from the chimney before using the TORNADO COBRA kit.

Chimney cleaning methods

With the advent of rotary chimney cleaning technology, the methods of cleaning chimneys have increased significantly: they can be cleaned from below through the opening of the heating device, from the top of the roof, etc.

Chimney cleaning through the opening of the heating device

1. Preparation:

- Attach the required brush to the rotor cable.



2. Installation:

- Insert the cleaning kit with the brush into the cleaning hole and seal it.
- Protect the premises from soot disintegration by using foam or other filler.

3. Cleaning process:

- Since the cable is one piece and does not join, choose a suitable length that will reach the full height of the chimney.
- Connect the adapter to the drill and lock the cable.

TORNADO COBRA additional parts



170-2	Aluminum brush head with nylon bristles, ø 45 cm in diameter.	For metal chimneys For brick chimneys For ceramic chimneys	
150-5	Aluminum brush head with nylon bristles, ø 20 cm in diameter.	For metal chimneys For brick chimneys For ceramic chimneys	

USE:

Metal chimneys: The nylon bristles are gentle enough not to damage metal surfaces, yet strong enough to effectively remove soot and tar. They can also reach hard-to-reach places.

Brick chimneys: These brushes are good for masonry chimneys because their bristles can reach and clean uneven surfaces and crevices. Nylon bristles are flexible enough to conform to the structure of the masonry, but strong enough to remove dirt.

Ceramic chimneys: Ceramic chimneys are more susceptible to scratches, but nylon bristles are gentle enough to clean them without causing damage. They can effectively remove soot and tar without damaging the ceramic surface.



170-3	Aluminum brush head with stainless steel cable, ø 35 cm in diameter.	For metal chimneys For brick chimneys For ceramic chimneys	
170-13	Aluminum brush head with stainless steel cable, ø 25 cm in diameter.	For metal chimneys For brick chimneys For ceramic chimneys	

USE:

Metal chimneys: The folded cable ensures that the metal surfaces will not be damaged during cleaning, and the cleaning will be efficient.

Brick chimneys: This design helps prevent damage to the masonry, as the brush is gentle enough not to scratch the surface.

Ceramic chimneys: The folded cable protects the ceramic from scratches, making cleaning safe and efficient.

170-4	Aluminum brush head with stainless steel chain, ø 30 cm in diameter.	For brick chimneys For ceramic chimneys	
170-11	Aluminum brush head with stainless steel chain, ø 25 cm in diameter.	For brick chimneys For ceramic chimneys	

USE:

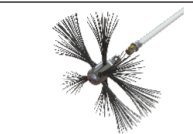
Heavily contaminated chimneys: The chain bristles are very strong and can remove stubborn soot, tar and other dirt.

Hard-to-reach places: Chains can reach and clean hard-to-reach areas where other brushes may not be effective.

Metal chimneys: Do not use.

Brick chimneys: Can be used. Chains can reach and clean hard-to-reach areas where other brushes may not be effective.

Ceramic chimneys: Only use with thick ceramic, as thick ceramic surfaces are stronger than thinner ones, chains can still cause scratches. Before using the chain, test a small area to make sure there is no damage.

170-5	Aluminum brush head with nylon, ø 45 cm in diameter.	For ventilation pipes For metal chimneys For brick chimneys For ceramic chimneys	
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USE:

Gentle cleaning: The fine nylon bristles are gentle enough not to damage surfaces but strong enough to effectively remove dust and dirt.


Polishing: These brushes can be used to polish metal and other surfaces to a shine.

Ventilation cleaning: Due to its flexibility and softness, nylon bristles can reach and clean hard-to-reach vents without damaging them.

Metal chimneys: Can be used.

Brick chimneys: Can be used.

Ceramic chimneys: Can be used.

170-14	Unblocking brush, ø 10 cm in diameter.	For sewer pipes	
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