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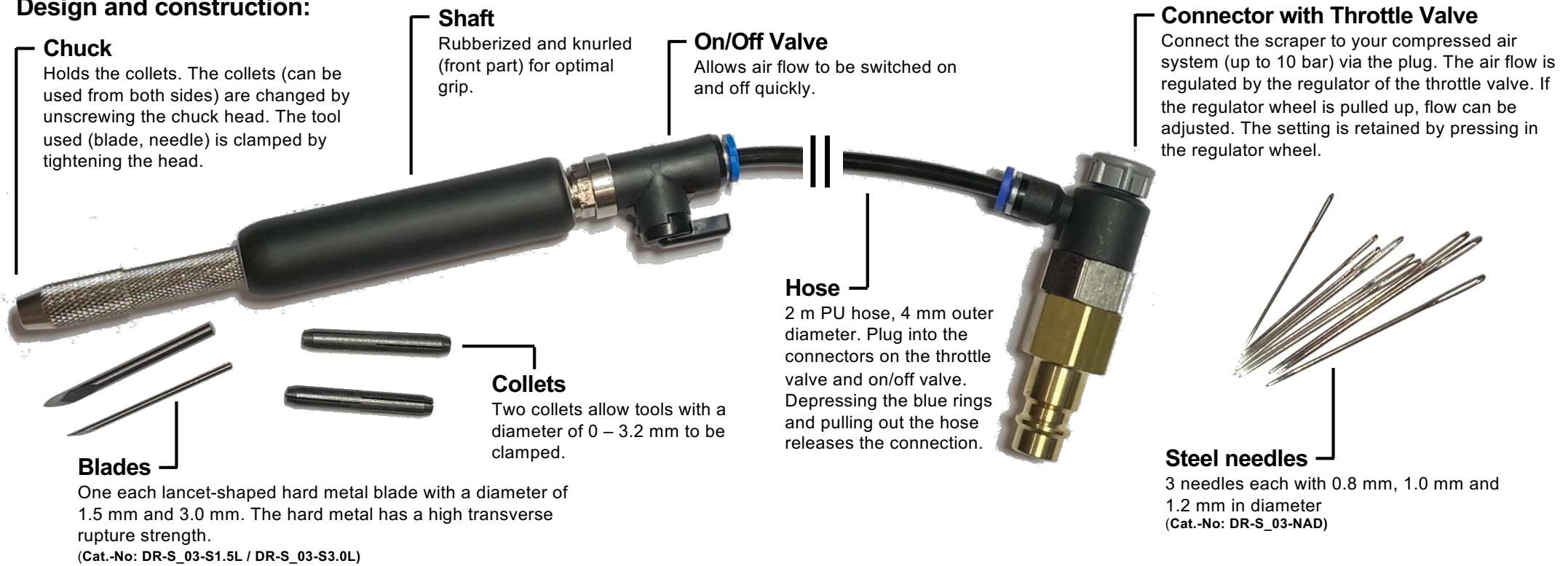
HAUFWERK AIR-ASSISTED SCRAPER USAGE INSTRUCTIONS



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Cat.-No: DR-S_03

Design and construction:



Chuck
Holds the collets. The collets (can be used from both sides) are changed by unscrewing the chuck head. The tool used (blade, needle) is clamped by tightening the head.

Shaft
Rubberized and knurled (front part) for optimal grip.

On/Off Valve
Allows air flow to be switched on and off quickly.

Connector with Throttle Valve
Connect the scraper to your compressed air system (up to 10 bar) via the plug. The air flow is regulated by the regulator of the throttle valve. If the regulator wheel is pulled up, flow can be adjusted. The setting is retained by pressing in the regulator wheel.

Hose
2 m PU hose, 4 mm outer diameter. Plug into the connectors on the throttle valve and on/off valve. Depressing the blue rings and pulling out the hose releases the connection.

Collets
Two collets allow tools with a diameter of 0 – 3.2 mm to be clamped.

Blades
One each lancet-shaped hard metal blade with a diameter of 1.5 mm and 3.0 mm. The hard metal has a high transverse rupture strength.
(Cat.-No: DR-S_03-S1.5L / DR-S_03-S3.0L)

Steel needles
3 needles each with 0.8 mm, 1.0 mm and 1.2 mm in diameter
(Cat.-No: DR-S_03-NAD)

Troubleshooting:

No air is flowing:

- Check your compressed air source
- Check the level of the on/off tap
- Open the throttle valve regulator

The tool has slipped into the scraper:

- Unscrew the head of the chuck and remove the collet
- If necessary, unscrew the knurled front part of the shaft and shake the tool out of the rear part of the shank.

The tool has broken off:

- Remove the broken tool from the chuck
- You can get a replacement at www.haufwerk.com

The scraper blade has become blunt:

You can sharpen the blades yourself with the right tools.

Usage of the Air-assisted Scraper:

The air-assisted scraper is used for manual fine preparation of fossils. A constant flow of air blows away the removed material and keeps the work area clear.

Insert the desired tool into the appropriate collet as described above and secure by tightening the head. Connect the device to your compressed air source and open the on/off valve. Now adjust the airflow as desired.

Scrape without exerting excessive lateral forces on the clamped tool to avoid breaking it. Pay particular attention to this when the tool protrudes far from the chuck. It is better to remove thin layers of rock several times rather than too much at once. Avoid using blades or needles to pry, as there is an increased risk of breakage.

Would you like blades with other shapes/sizes? Contact us at info@haufwerk.com