NADLER



MANHOLE FRAME ADJUSTMENT

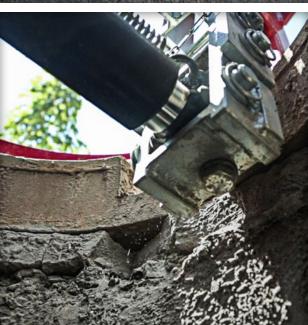
COMPLETE RANGE FROM A TO Z

ISS. 04/2019







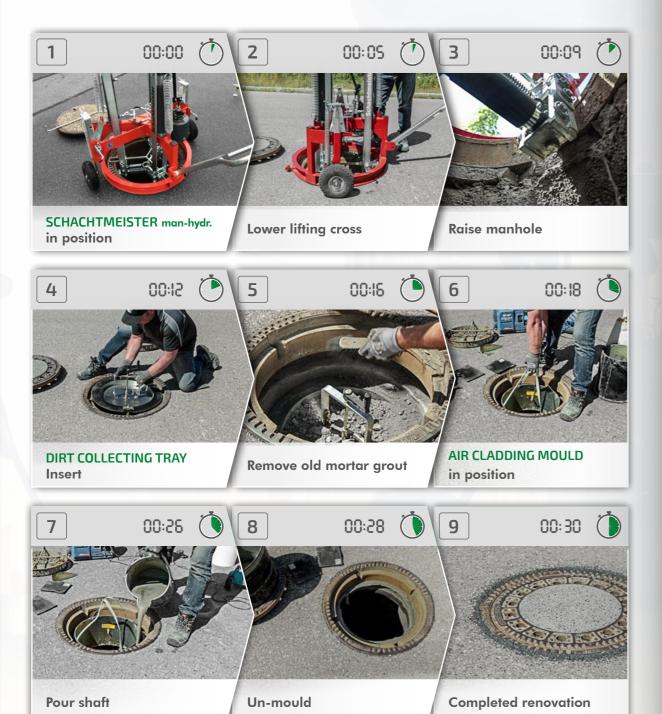


FRAME RENOVATION

MANHOLE

MANHOLE FRAME RENOVATION

RENOVATION OF SUNKEN OR RAISED MANHOLES



MANHOLE FRAME NEW PROJECT

RAISING THE MANHOLE FRAME THROUGH THE ASPHALT TOP LAYER



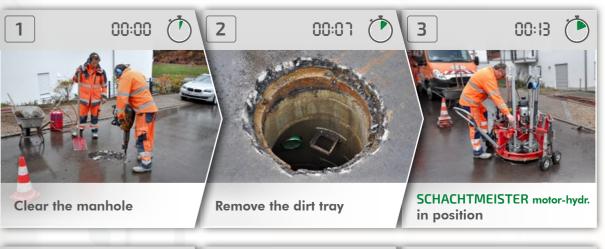






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DESCRIPTION

amtec's manually operated 3-arm-lifter **the Schachtmeister 3.1** is the ideal piece of equipment for adjustment work when renovating sunken or raised manhole frames.

APPLICATION AREAS

Manhole frame adjustment for class D and B manholes.

ADVANTAGES

Robust, high-quality construction
Made in Germany

Optimally adjusted components

Precise, labour-saving work

Simple, ergonomic operation

High-quality results

Many add-on options

TECHNICAL DETAILS



Model	manual hydraulics
Actuator	high performance double piston pump
Hydraulic cylinder	3
Lifting height	290 mm
Lifting capacity	32 t
Chassis lift	200 mm - manual
Dimensions (L x W x H)	1000 x 1200 x 1340 mm
Weight	approx. 190 kg

DESCRIPTION

4.3 is the ideal piece of equipment for professional use in manhole frame adjustment.

APPLICATION AREAS

- Manhole frame adjustment for class D and B manholes and rain water inlets
- Raising manhole frames through the asphalt top layer in new road construction

ADVANTAGES

Robust, high-quality construction
Made in Germany

Optimally adjusted components

Powerful lifting capacity even for the most demanding tasks

Precise, labour-saving work

Full hydraulic operation

High-quality results

V Numerous accessories

TECHNICAL DETAILS



motor-hydraulic
Honda GX 100 2.1 kW (2.8 PS)
4
290 mm
42 t
200 mm - hydraulic
1150 x 1340 x 1450 mm
approx. 290 kg

DIRT COLLECTING TRAY

FOR GROUTING MORTAR

GROUTING MOULDS



DESCRIPTION

The dirt collecting tray is a practical aid for all manhole frame work and prevents dirt, mortar residue or tools from falling into the shaft.

The stable lightweight construction made of high-quality aluminium features practical details such as a peripheral rubber seal and a folddown handle, making for comfortable and labour-saving work.

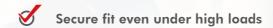
Solid all-metal clamping brackets ensure a secure fit in the shaft structure even under heavy loads.

ADVANTAGES









TECHNICAL DETAILS

Seals the shaft structure stopping dirt, mortar residue and falling tools when working on the manhole frame.

APPLICATION AREAS

Model Dirt collecting tray, aluminium with rubber seal Clamping approx. 560 - 640 mm range round manhole frames class D400 / DN610 manhole components with DN625 Weight approx. 7.5 kg

DESCRIPTION

Nadler's range of grouting moulds ensure high-quality and clean joint grouting during adjustment work on manhole frames. Depending on the application, different models are available.

APPLICATION AREAS

Grouting work during manhole frame adjustment:

- Manhole structures, class D 400
- Street drains and sink boxes

CONSTRUCTION

TUBE MOULD

For inflation with integrated sealing strip, quick venting valve and 2 carrying straps for easy removal from the shaft.

Height: approx. 200 mm



Incl. 1 filling nozzle

AIR CLADDING MOULD

Inner part made of stable, hot-dip galvanised sheet steel, the outer part of robust rubber for inflation, quick venting valve and 2 carrying loops for easy removal from the shaft.

Height: approx. 305 mm



Incl. 2 filling nozzle Particularly suitable for large ring diameters

METAL MOULD

Metal shaft mould with foam rubber sealing and integrated filling funnels. The robust special screw fitting ensures uniform contact with the inside of the shaft

Height: approx. 200 mm



No inflation required.

TUBE MOULD FOR RAIN WATER INLETS

Consisting of a heavy-duty air hose with vulcanized rectangularrubber, preventing the overflow of grout into the drain shaft Height: approx. 200 mm



Suitable for street drains 54 x 54cm, 50 x 50cm,

GROUTING MORTAR



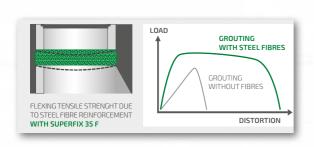
DESCRIPTION

ERGELIT®-grouting mortars are ready-to-use special mortars of the highest quality. Different granular grades and compositions as well as many years of experience guarantee a costeffective, strong and durable solution to the problem.

The high flowability and low dependence on temperature of ERGELIT®-grouting mortars mean trouble free grouting in virtually any weather conditions, summer or winter.

APPLICATION AREAS

- Grouting ring gaps under raised manhole frames.
- Grouting of machine anchors, railings, posts and house entries.
- Grouting of slit gutters at airports.



ADVANTAGES

Particularly good flowability

Shrink-free, self-levelling

Extraordinarily high initial strengths

Very good compressive, tensile and adhesive strengths

Oil-resistant

Impact and vibration resistant

Good corrosion protection and high resistance to frost and road salt

TECHNICAL DETAILS

	SUPERFIX 10	SUPERFIX 35 F
Composition	Additive hardened, cement bound grouting mortar	Additive hardened, cement bound grouting mortar with steel fibres
Granule size max	1 mm	4 mm
Grout level	up to 4 cm	4 to 12 cm
Water required	4.25 to max. 4.9	3 l to max. 3.5 l
Processing temperature	to -5 °C	to -5 °C
Shelf life	6-9 months	6-9 months

DESCRIPTION

Nadler renovation rings are specifically made for manhole renovations and are available in the following heights: 4, 6, 8 and 10 cm.

All Nadler renovation rings have a diameter of 76 cm and are therefore smaller than the manhole frame.

The renovation adjustment rings are aligned in the manhole using rubber buffers. These rubber buffers are used to create a ring gap between an adjustment ring and the manhole or another adjustment ring, which is then grouted.

WITHOUT RENOVATION RING WITH RENOVATION RING

APPLICATION AREAS

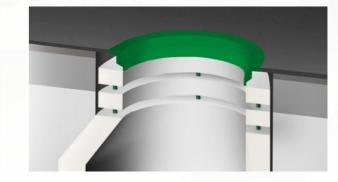
- Installing and exchanging adjustment rings
- Complete manhole renovation

ADVANTAGES



76 cm diameter of renovation rings smaller than the manhole frame

Self positioning of rubber buffers using



TECHNICAL DETAILS

Composition	Concrete renovation ring
Heights	4 cm, 6 cm, 8 cm, 10 cm
Shelf life	unlimited

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RENOVATION MORTAR



DESCRIPTION

Masonry mortar for the highest demands. It is sulfate-resistant, waterproof and highstrength. ERGELIT®-SBM adheres well to the substrate when carefully applied.

High initial strength allows early load-bearing capacity of the masonry.

Early strength and shrink-free



High resistance to abrasion



High resistance to dynamic stress

ADVANTAGES

LIQUIDASPHALT ADJUST MANHOLES



DESCRIPTION

Liquid asphalt is a cold-processable 2-component bitumen-based mix. The two components are precisely combined and give liquid asphalt unique processing and material properties.

Our tip for even more perfect results: the Nadler cover mould FA.

ADVANTAGES



Fast re-opening for traffic



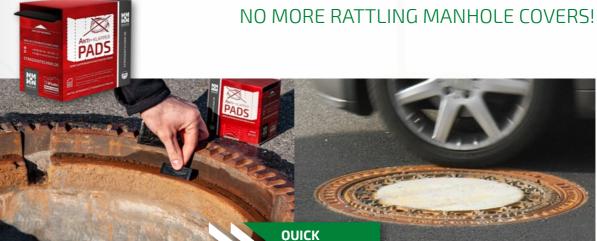
Smoothed out to "0" at edges



Environmentally friendly (solvent free)







DESCRIPTION

By using the new anti-rattle pads, vibrations and shocks are permanently and effectively reduced and annoying rattling eliminated.

They fit ALL manhole and hatch covers.

ADVANTAGES



INSTALLATION

Permanently prevent rattling



Quick installation



Organic recipe

SFLF-LEVELLING RENOVATION



DESCRIPTION

Instead of complex and cost-intensive replacement, renovation of self-level covers with BÜCO-FIX is a worthwhile and high-quality option.

BÜCOFIX cures within a very short time, adheres excellently to asphalt, concrete and cast iron and the site can be re-opened for traffic again after only 30 minutes, even on roads with a load class of 100.

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ADVANTAGES



Fast re-opening for traffic



Cost effective renovation



Durable solution



Highly abrasion-resistant

ANTI-RATTLE PADS

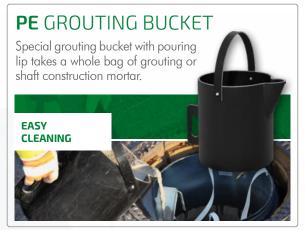
SELF-LEVELLING RENOVATION WITH BÜCOFIX



PRACTICAL HELP

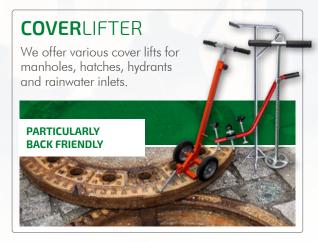
TOOLS FOR MANHOLE FRAME ADJUSTMENT













The information printed in this brochure is based on experience and the most recent research and practice, however it is non-binding and does not establish a contractual relationship.

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