



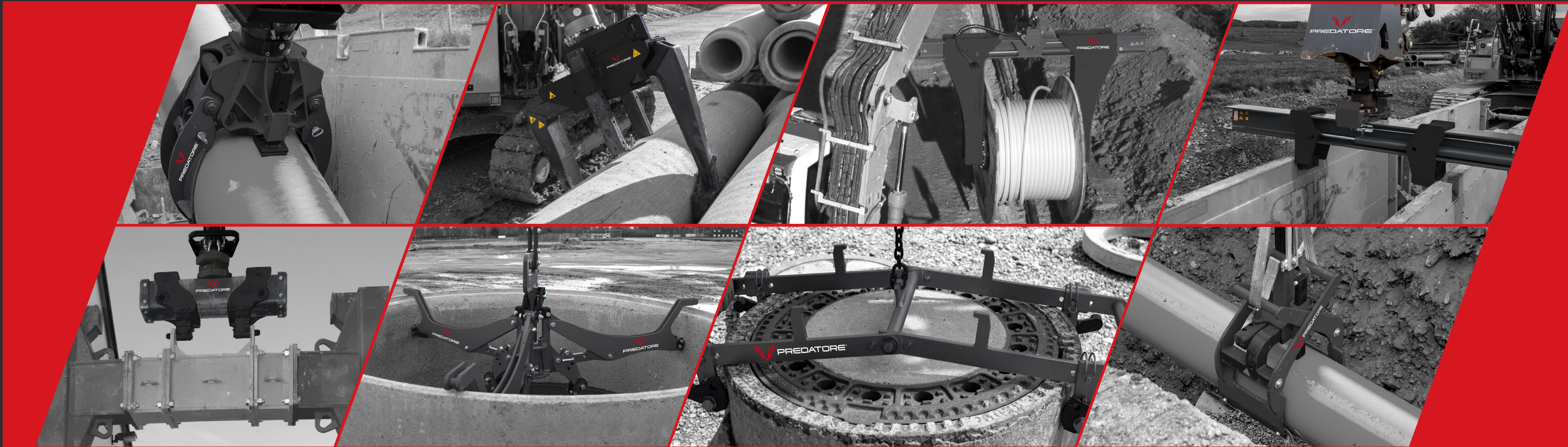
PREDATORE®



HYDRAULIC & MECHANICAL
HOISTS



PREDATORE®



EFFICIENCY IN SEWER CONSTRUCTION

Benefit from the new efficiency in sewer shoring: Innovative gripping and hoisting technology for road and sewer construction - always the economical solution!

More than 25 years of experience in the development and manufacture of state-of-the-art hoisting equipment for road and sewer construction guarantees high-quality and at the same time the most innovative gripping and hoisting technology.

Experience shows that about 33% of the total costs of a sewer construction project have to be budgeted for the shoring. This is an enormous cost factor, which is a particular burden on every construction company and every construction project, especially in this day and age. Effective and streamlined working are important factors in reducing costs. The economic so-

lution for pipe laying and trench protection can therefore only mean the use of innovative gripping and hoisting equipment as well as modern and functional shoring systems.

The product lines of the SchachtFIX series not only impress with their functionality, robustness and flexibility, they also ensure higher utilisation of the carrier equipment, more safety on the construction site and significantly faster construction site management. Whether for transporting, relocating, laying and aligning pipes of all kinds, for lifting, pulling, moving and transporting shoring elements and trench boxes or for laying underground cables, the tried-and-tested hoists, which are consistently geared to the requirements on the construction site, offer the right solution for every job.

PIPE GRAB

Innovative mechanical and hydraulic pipe grabs that cover all requirements on the sewer construction site.

State-of-the-art technology perfect for the targeted adjustment of pipes even in confined spaces on construction sites.

SHORING GRAB

Shoring box grab - the efficient and safe solution for installing and removing shoring boxes. The perfect tool for lifting, pulling, moving and transporting shoring panels.

MANHOLE GRAB

The alternative to lifting chains, tongs and pipe hangers. Perfect for moving and positioning prefabricated manhole parts and cones quickly and safely on the construction site or in the warehouse.

KABELFIX

The innovation in network construction. Indispensable tool for laying underground cables in cable construction and network construction.

BEGUFIX

For lifting, moving and lowering manhole covers and compensation rings.

PRED

HYDRAULIC PIPE GRAB

FOR MORE EFFICIENCY AND ECONOMY IN SEWER CONSTRUCTION



HYDROFIX DN300 - DN1300

UNIVERSAL GRAB FOR ALL PIPE SIZES

One base unit - three interchangeable gripper arm sets

Maximum flexibility: The system solution covers an application range from DN300 to DN1300 and is designed for OilQuick and LikuFIX quick-change systems. The operation is carried out solely by the excavator operator. The special advantage of the fully hydraulic pipe grab with rotation function is that the suspension of the tongs on the rotating motor is rigid and the pipe can also be picked up off-centre, which enables precise adjustment of the pipes, especially in spatially confined construction sites.

THE ADVANTAGES

- One base unit with three interchangeable gripper arm sets

- for all pipes from DN300 DN1300
- Fully hydraulic solution with rotation function
- Off-centre load pick-up due to rigid suspension of the grab on the rotating motor
- Precise placement and threading of the pipes during shoring work
- Designed for inserting pipes up to DN1300

VARIATIONS

- HydroFix incl. 3 arm sets, rigid with swivel arm
- HydroFix incl. 3 arm sets, rigid without swivel arm
- HydroFix incl. 3 arm sets, with pendulum suspension

MULTIFIX HYDRAULIC DN300 - DN1000

MASTER OF UNLOADING PIPES

One base unit - two interchangeable gripper arm sets

A real all-rounder: The hydraulic pipe grab MultiFIX significantly speeds up the unloading, transport and laying of concrete pipes from DN300 to DN1000. The handling of pipes can hardly be more efficient and safe. The MultiFix is operated solely by the excavator operator. Neither changing the gripper arms (within 2 minutes) nor moving the pipes requires additional personnel. An unambiguous DN-related setting also makes it easy to adjust the grab to numerous pipe sizes.

THE ADVANTAGES

- Fully hydraulic solution with rotation function
- Sole operation by the excavator operator
- Gripper arm change within two minutes
- Unambiguous DN-related setting
- Low lateral space requirement during shoring work
- Low wear due to high-quality workmanship
- Ideal for lifting closely stacked pipes
- Excellent occupational safety
- Low-maintenance mechanics



GRIPPER ARM SET	LOAD CAPACITY	THRUST LOAD	EXTERNAL Ø	WEIGHT
	to	to	mm	kg
DN300 - DN600	2	4	420 - 760	660
DN600 - DN1000	5	5	770 - 1260	760
DN1000 - DN1300	max. 8 *	5	1290 - 1600	860

*depending on the suspension and rotating motor used

GRIPPER ARM SET	MAX. BEARING LOAD	PIPE EXTERNAL Ø
	to	mm
DN300 - DN800	2,5	420 - 1010
DN600 - DN1000	3,5	720 - 1240

MULTIFIX DN300 - DN1000 - GS TESTED

The mechanical pipe grabs of the MultiFIX generation are suitable for lifting, moving and lowering concrete pipes and are operated by the machine operator alone. The multifunctional pipe grabs cover a large pipe range, are adjustable without tools, require only little lateral space and are therefore also the perfect working tool for transporting and relocating closely stacked pipes lying next to each other. In addition, the robust pipe grabs require little maintenance and are characterised by a high degree of occupational safety. Just by moving the gripper arms, the pipe grab can be infinitely adjusted to DN-related settings from DN 300 to DN 800 as well as from DN 600 to DN 1000. Changing the gripper arm is therefore not necessary!



MULTIFIX

Concrete/stone pipes DN300 DN800 load capacity 2500 kg

MULTIFIX XL

Concrete pipes DN600 DN1000 load capacity 4000 kg

MODEL	BEARING LOAD	DEAD WEIGHT	PIPES	PIPE Ø EXTERNAL
	kg	kg		mm
MultiFix	2500	200	DN300 - DN800	420 - 1010
MultiFix XL	4000	300	DN600 - DN1000	720 - 1280

PIPEFIX DN200 - DN500 - GS TESTED

The compact grabs of the PipeFIX series impress with their fast, tool-free adjustment, low-maintenance mechanics and their robustness. Simply genuine all-rounders for quick and safe lifting and laying.

- FURTHER ADVANTAGES
- Sole operation by excavator operator
 - Unambiguous DN-related setting
 - Low lateral space requirement during shoring work
 - For lifting closely spaced pipes
 - Direct stack removal of stoneware pipes without auxiliary personnel

PIPEFIX LIGHT

Stoneware, cast iron, PVC pipes DN200 DN300 load capacity 400 kg

PIPEFIX MEDIUM

Stoneware, cast iron, PVC pipes DN300 DN500 load capacity 600 kg

PIPEFIX 500

Concrete pipes DN200 DN500 load capacity 1700 kg

MODEL	BEARING LOAD	DEAD WEIGHT	PIPES	PIPE Ø EXTERNAL
	kg	kg	DN	mm
PipeFix Light	400	65	DN200 DN300 Stoneware, cast iron, PVC	240 - 400
PipeFix Medium	600	100	DN300 DN500 Stoneware, cast iron, PVC	350 - 620
PipeFix 500	1700	100	DN200 DN500 Concrete	210-670



MANHOLE GRABS FOR SEWER CONSTRUCTION

THE ALTERNATIVE TO MANHOLE CHAINS, TONGS AND PIPE HANGERS

The robust and stable grabs for prefabricated manhole parts and cones have been proving their worth for years in civil engineering, road construction and sewer construction. The SchachtFIX product range enables fast and safe positioning on the construction site or moving in the warehouse and during loading and unloading.



SCHACHTFIX 1000 / 1500 GS TESTED

Automatic MANHOLE GRABS for prefabricated manhole parts



The manhole grabs SchachtFIX 1000 and 1500 are suitable for horizontal lifting, moving and lowering of manhole rings DN600 DN1500 and manhole cones as well as manhole bases DN600 DN1200. The grabs are characterised by high-quality workmanship as well as simple and reliable handling.

- THE ADVANTAGES
- Suitable for manhole rings with an internal diameter of 600, 625, 800, 1000, 1200 and 1500 mm
 - Manhole cones and manhole bases up to max. DN1000 / DN1200 can be lifted
 - Machine attachment and detachment only by the machine operator, without additional personnel
 - All manhole parts, especially cones, hang completely horizontally
 - No protruding parts outside of the rings

MODEL	BEARING LOAD	DEAD WEIGHT	MANHOLE PARTS INTERNAL Ø	MANHOLE BASES	MANHOLE RINGS	CONES
	kg	kg	mm			Max.
SchachtFix 1000	2500	100	600 / 625 / 800 / 1000	DN600 - DN1000	DN600 - DN1000	DN1000
SchachtFix 1500	2500	100	600 / 625 / 800 / 1000 / 1200 / 1500	DN600 - DN1200	DN600 - DN1500	DN1200

SCHACHTFIX SW GS TESTED

With stepping mechanism especially for concrete plants

Suitable for all manhole rings with an internal diameter of 600, 625, 800, 1000, 1200, 1500 and now also 2000 and 2500 (for SchachtFix SW 2000 and SW 2500) mm. Manhole cones and manhole bases up to a maximum of DN1200 can be lifted. The SW manhole grab can also be operated with forklifts and thus enables better warehousing. Specially designed for heavy-duty use in concrete plants, this grab is also designed for easy and reliable handling. Thanks to the high-quality workmanship, it is extremely low-wear.

- FURTHER ADVANTAGES
- Manhole cones and manhole bases up to max. DN1200 can be lifted Mechanical attachment and detachment only by the machine operator, without additional personnel
 - All manhole parts, especially cones, hang completely horizontal
 - No protruding parts outside of the rings

MODEL	MANHOLE PARTS INTERNAL Ø	MAX. BEARING LOAD
	mm	to
SW 1500	600 / 625 / 800 / 1000 / 1200 / 1500	2,5
SW 2000	600 / 625 / 800 / 2000	2,5
SW 2500	600 / 625 / 800 / 2500	2,5



SCHACHTFIX LIGHT

Mechanical manhole grab for standing concrete pipes and road gully bases with a dirt trap. Specially designed for small manholes, the Light version offers all the benefits of the SchachtFix series.

- THE ADVANTAGES
- Attachment and detachment only by the machine operator without additional personnel
 - Manhole part always hangs horizontally
 - Low dead weight
 - No protruding parts outside of the manhole parts

BEARING LOAD	DEAD WEIGHT	INTERNAL Ø
kg	kg	mm
250	13	450



SENKKASTEN FIX

Mechanical grab for lower parts of caissons

- THE ADVANTAGES
- Lower part of the caisson always hangs horizontally
 - Protects the spine and thus avoids absences due to illness
 - Easy and safe handling
 - Low wear due to high-quality workmanship
 - Low dead weight
 - No protruding parts outside of the manhole parts
 - Rapid amortisation through time and cost savings

BEARING LOAD	DEAD WEIGHT
kg	kg
250	5



EQUIPMENT TURNER QUICKROTATOR

Designed for efficient work with attachments for the OilQuick and LikuFix quick-change system. The QuickRotator equipment turner keeps attachments ready to hand for all positions at all times. I.e. it enables the quick exchange and positioning / allocation of attachments suitable for lifting between two excavators on the sewer construction site and thus expands the application possibilities of existing OilQuick or LikuFix quick-change systems.

- THE ADVANTAGES
- 360° smooth rotation between base and cover plate
 - Manual safety bolt fixes base and cover plate to each other
 - Hydraulic lifting of the attachments from the operator's cabin
 - Stable lifting eyes for lifting with the

- shoring grab
- Safe handling on confined construction sites
- Precise, fast depositing and positioning in the sewer trench without assistance
- Streamlines and optimises the use of attachments in the sewer construction site
- Minimises the risk of accidents and injuries on the construction site



Adapter plate

Pipe pusher



PIPE PUSHER - PIPE PUSHING ADAPTER WITH ROTATING DEVICE

Mechanical push-in device for pushing together and positioning all types of pipes, primarily for concrete pipes from DN300 DN1200. The swivelling pipe sliding adapter adapts to the pipe, the excavator does not have to stand in the laying direction.

- THE ADVANTAGES
- Designed as an attachment for OilQuick or LikuFix quick-change system
 - Pushing the pipes together and positioning the pipes without endangering the personnel

- Solely operated by machine operators
- The perfect way to mechanise by combining with any mechanical pipe grab such as PipeFIX and MultiFIX
- Adjustment of the sliding plate to the pipe socket takes place independently
- The movable positioning plate enables an excellent view of the laser plate for the machine operator even with small pipe diameters
- The excavator does not have to stand in the laying direction when pushing the pipes together

SHORING GRABS FOR SEWER CONSTRUCTION

FOR OILQUICK AND LIKUFIX - GS TESTED

Efficient handling in daily practical application: The shoring grab is used for quick and safe installation and removal of shoring boxes. The additional central pick-up bushing in each panel allows transports to be carried out safely on the construction site. The GS-tested shoring grab thus enables safe lifting, pulling, moving and transporting of shoring elements and shoring boxes without time-consuming manual attachment and detachment of chains. The shoring box is picked up directly by the shoring grab without additional slinging equipment. All functions of the shoring grab are controlled from the operator's cabin. Thanks to the fast repositioning of the shoring boxes, a significant increase in the number of laid sewage routes is guaranteed at the end of the working day. The shoring grab is available in 4 different working widths.

- Safe handling on confined construction sites
- No additional personnel required
- Ideal for use with protective shoring (Avoidance of accidents)
- Precise, fast positioning in the sewer trench without assistance
- 360° rotation due to the integrated rotating motor - Extends the possible uses of existing OilQuick or LikuFix quick-change systems
- Streamlines and optimises the dismantling of shoring elements
- Minimises the risk of accidents and injuries on the construction site

FURTHER ADVANTAGES

- High pendulum stability

CARRIER LENGTH	SHORING BOX WIDTH	LIFTING CAPACITY
mm	mm	to
1600	640 - 1500	6,4
2200	640 - 2100	6,4
2600	640 - 2500	6,4
3000	640 - 2900	6,4



PLATE GRAB

FOR OILQUICK AND LIKUFIX - GS TESTED

The plate grab enables safe lifting, pulling, moving and transporting of shoring plates in sewer construction without time-consuming manual attachment and detachment of chains. The shoring plate is picked up directly by the plate grab without any additional slinging equipment. All functions of the plate grab are controlled directly from the operator's cabin in combination with OilQuick and LikuFix.

- FURTHER ADVANTAGES:
- Designed as an attachment for OilQuick or LikuFix quick-change system
 - Hydraulic lifting of the shoring plates
 - High pendulum stability
 - Safe handling on confined construction sites
 - Precise, fast positioning in the sewer trench without assistance
 - 360° rotation due to the integrated rotating motor
 - Minimises the risk of accidents and injuries on the construction site

BEARING LOAD	DEAD WEIGHT	SPACING OF THE PICK-UP BUSHINGS ON THE MOUNTING PLATE
kg	kg	mm
7000	150	510

KABELFIX

THE INNOVATION IN NETWORK CONSTRUCTION

INDISPENSABLE TOOL IN SEWER CONSTRUCTION
AND NETWORK CONSTRUCTION

FOR THE TRANSPORT AND UNROLLING OF CABLE DRUMS - GS TESTED

The KabelFIX is compatible with all common cable drums up to 4 tonnes in weight, thanks to its hydraulic lifting.

The drum is gripped by the two movable arms and made to rotate by a motor that is also hydraulically driven. The rotation speed is regulated by the excavator operator using a joystick. The excavator does not have to be directly above the trench, but can be driven sideways next to it. The KabelFIX is suitable for excavators from 18 tonnes and is offered with an OilQuick or LikuFix quick-changer.

- THE ADVANTAGES
- Designed as an attachment for OilQuick or LikuFix quick-change system
 - Hydraulic lifting of the cable drum, controlled from the operator's cabin
 - Precise, fast positioning of the drum directly above the sewer trench without assistance
 - 360° rotation due to the integrated rotating motor
 - The rotation of the cable drum is controlled from the operator's cabin
 - Facilitates the laying of cables
 - Minimises the risk of accidents and injuries on the construction site

BEARING LOAD	DEAD WEIGHT	DRUM Ø MAX..	DRUM WIDTH
kg	kg	mm	mm
4000	1100	2600	600 - 1600



BEGUFIX

FOR LIFTING, MOVING AND LOWERING MANHOLE COVERS AND COMPENSATION RINGS

INDISPENSABLE IN
ROAD AND SEWER CONSTRUCTION

Mechanical hoist for lifting, moving and lowering BeGu manhole covers class D400 and B125 as well as compensation rings.

The BeguFIX is the robust, mechanical helper for lifting and moving manhole covers and compensation rings in underground construction. The simple and reliable handling results in time and cost savings and thus a quick amortisation.

It can be adjusted to the required standard sizes in just a few steps. No additional adapters or tools are required.

- THE ADVANTAGES:
- Tool-free adjustment to the required standard sizes
 - Gentle on the back
 - Easy and reliable handling
 - Manhole part always hangs horizontally
 - Low dead weight
 - Low wear due to high-quality workmanship
 - Rapid amortisation through time and cost savings

THE BEGUFIX IS SUITABLE FOR:

MANHOLE FRAME Class B125, D400 / Weight 110 kg Internal Ø 605mm / External Ø 720-790mm
MANHOLE COVER Class D400 / Weight 90 kg Internal Ø 605mm / External Ø 785mm
COMPENSATION RINGS (New and old DIN standard) Internal Ø 605mm / External Ø 790-825mm Weight 40mm - 24 kg Weight 60mm - 38 kg Weight 80mm - 51 kg Weight 100mm - 63 kg

BEARING LOAD	DEAD WEIGHT
kg	kg
220	19





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