

BW-Fixators®

Installation Service



...pre-installation of
BW-Fixators® with
laser tracker

BWF
...the best for accuracy.

The pre-installation of BW-Fixators®

Calibration of BW-Fixators® with a laser tracker



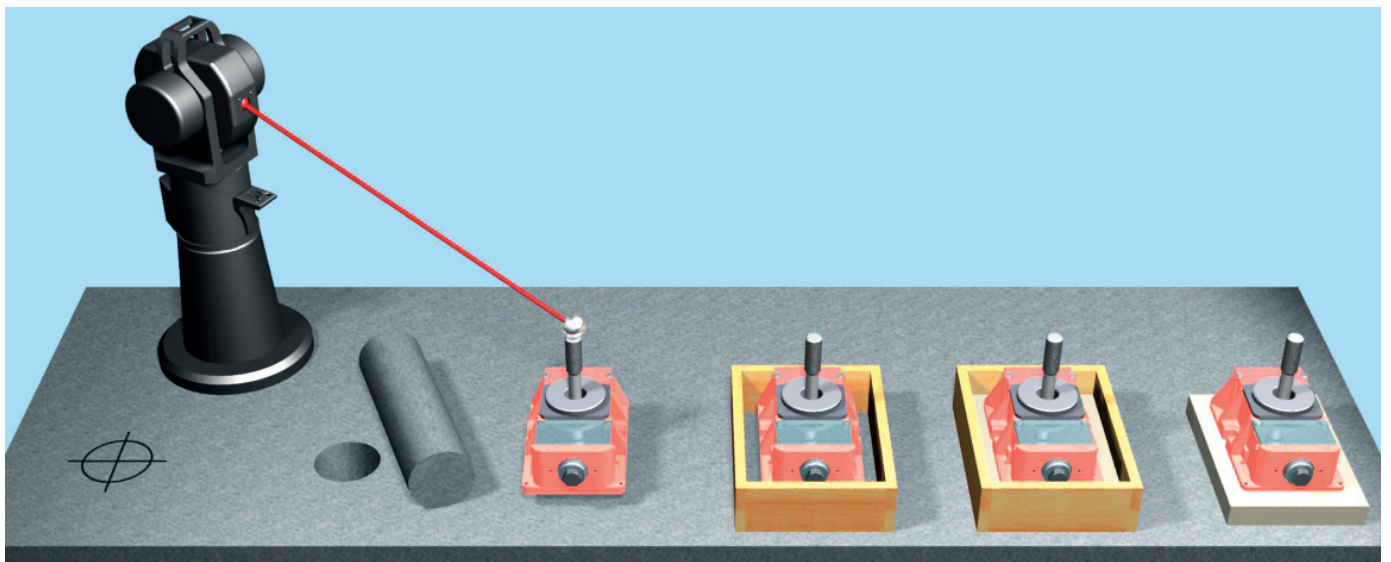
X	5.350
Y	-0.430
Z	0.070
	Fixator Nr.:22

Easy and precise calibration of the BW-Fixators® with a laser tracker.

Accuracy:
x-y = ± 0,5 mm
z = ± 0,2 mm

Explanation of the pre-installation

- Production of a reference coordinate system in accordance with reference points, levels or offsets from specific benchmarks provided by the customer.
- Import of the individual coordinates of the BW-Fixators® specified by the customer.
- Marking and drilling of the anchor holes and/or positioning of the BW-Fixators®.
- Grouting of the BW-Fixators® and verification of their coordinates.



Setting the BW-Fixators® before arrival of the machine



After marking the anchor holes, they will be drilled with a core drilling machine.



Each BW-Fixator® will be set individually into the reference coordinate system. Thus, there are no subsequent errors.



Positioned and grouted BW-Fixators®. Ready for machine arrival!

Advantages of the pre-installation

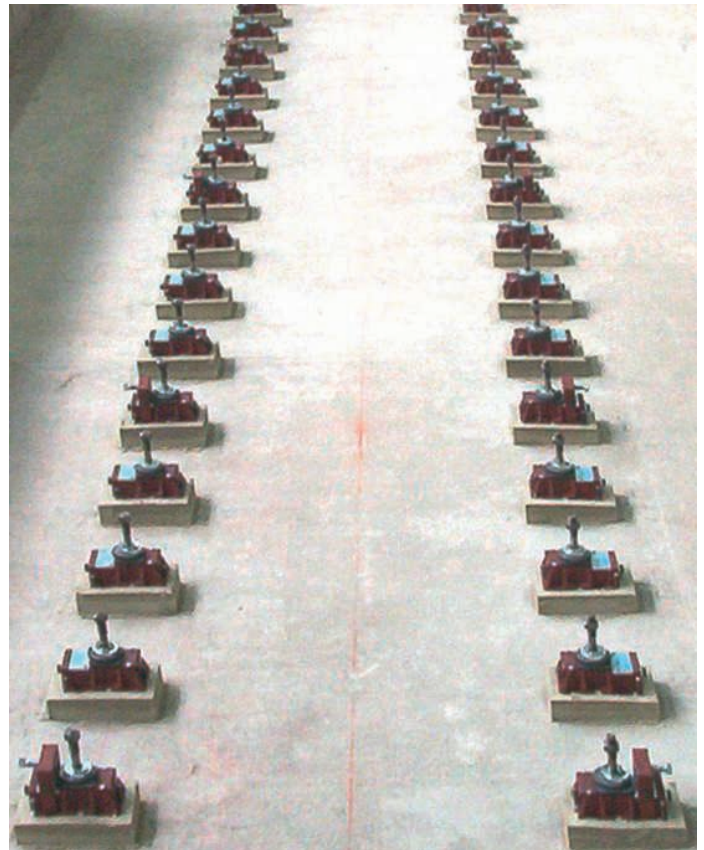
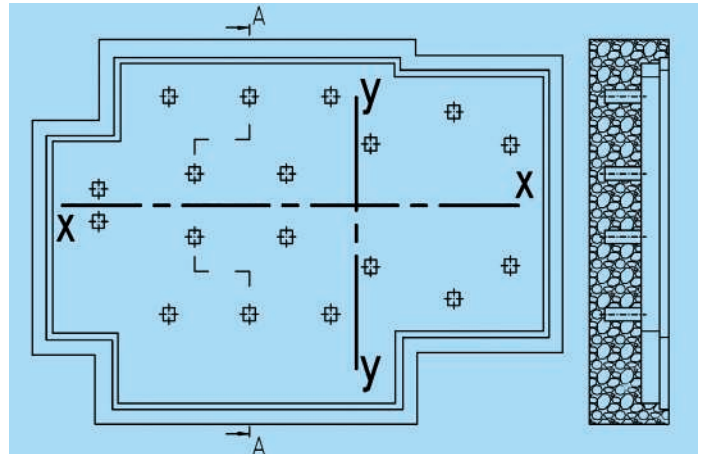
- Precise measurement with a laser tracker.
- The machine can be set and aligned immediately after arriving.
- No waiting time due to concrete or grout curing.
- The position of the machine is predetermined by BW-Fixators®.
- Due to precise setting of the BW-Fixators® only minimal alignment is needed.
- Large cost and time saving.

Conditions for a pre-installation

We require:

- Certified installation plan which shows
 - the position of the main axes on the foundation or to other peripheral features of the surrounding building,
 - the position of each individual BW-Fixator® and
 - the respective thickness of each mounting foot.
- Cleaned foundation (swept and free of concrete slurry).
- For new foundations, at least 21 days concrete curing time before drilling.
- Anchor holes pre-soaked with water at the beginning of the installation.
- Closed, adequately tempered building (>10°C, >50°F).
- Electrical and water supply.

Grouting the BW-Fixators® and the anchor bolts will be done by our own engineers with non-shrink grout (Pagel V1).



For a quote please provide following information:

- Number, size and position of the BW-Fixators®.
- Basic design of the foundation (one or multiple levels).
- Place of installation (distance to our location).
- Were the anchor holes made on site or should we drill them?