

GEROthem[®] weights

Combinable and perfectly shaped weights for safe installation without the need for tools

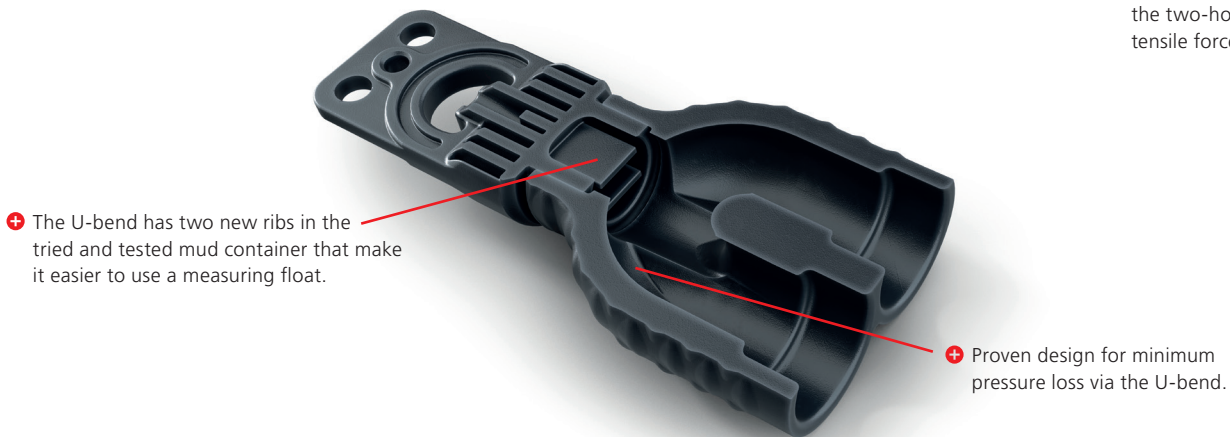
Flexibility with the use of GEROtherm® system components

The GEROtherm® weight components can be combined in a simple manner. This guarantees flexibility when sinking GEROtherm® geothermal probes in boreholes on the construction site.

The standard offset installation of probe feet on a double-U geothermal probe reduces the installation diameter. The narrow diameter of the probe feet and the GEROtherm® weights makes it possible to drill down with a **cost-optimized drill diameter**.

The practical mounting of the weights guarantees time-saving installation without the need for tools on site, and assures **safe and rapid installation**.

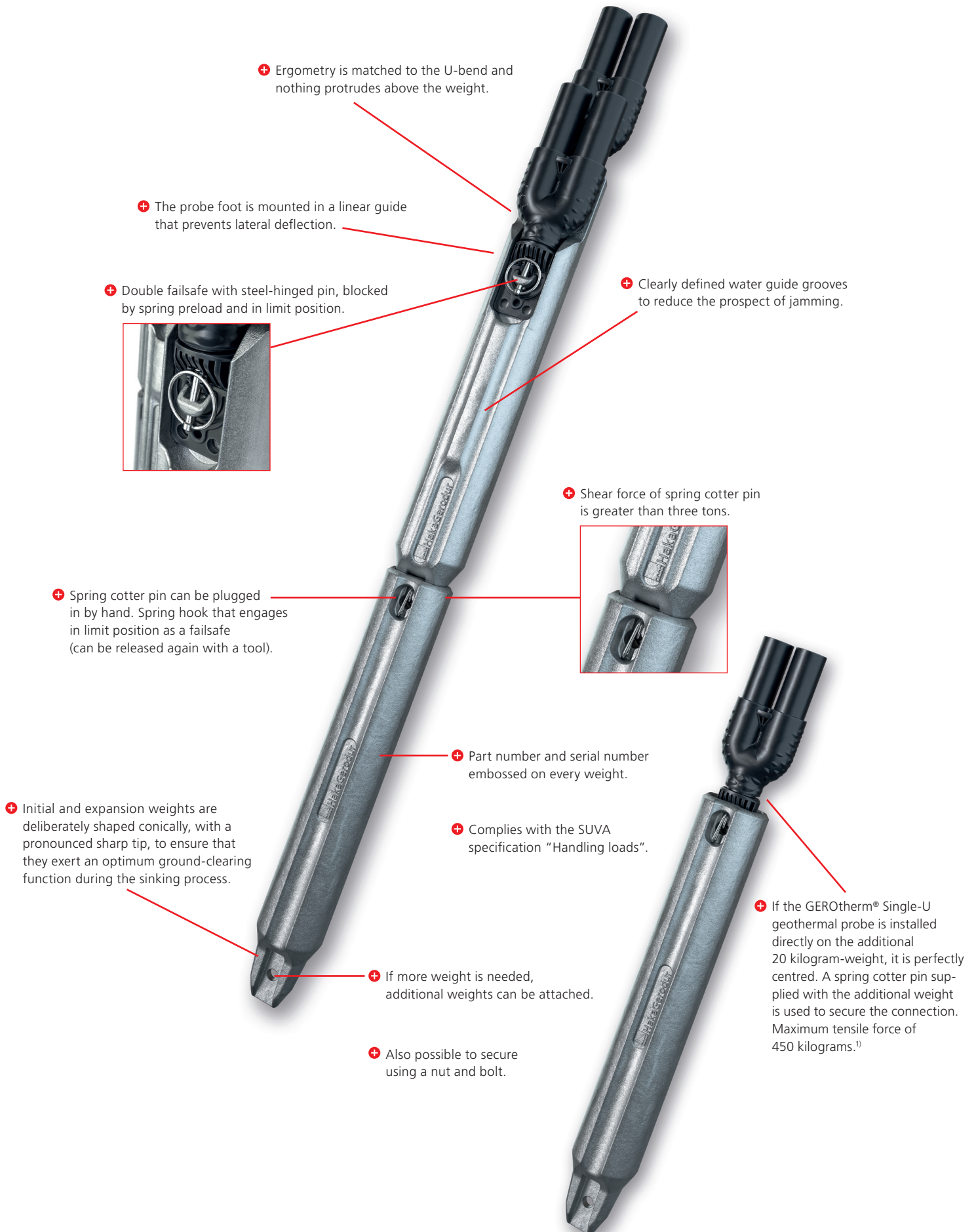
The probe foot is internally pressure-resistant up to 25 bar.



+ SKZ and KIWA/KOMO certificates.



Time-saving, safe installation of weights without the need for tools



+ Ergometry is matched to the U-bend and nothing protrudes above the weight.

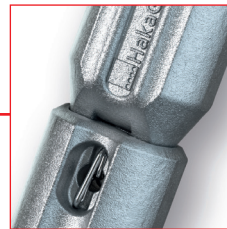
+ The probe foot is mounted in a linear guide that prevents lateral deflection.

+ Double failsafe with steel-hinged pin, blocked by spring preload and in limit position.



+ Clearly defined water guide grooves to reduce the prospect of jamming.

+ Shear force of spring cotter pin is greater than three tons.



+ Spring cotter pin can be plugged in by hand. Spring hook that engages in limit position as a failsafe (can be released again with a tool).

+ Part number and serial number embossed on every weight.

+ Initial and expansion weights are deliberately shaped conically, with a pronounced sharp tip, to ensure that they exert an optimum ground-clearing function during the sinking process.

+ Complies with the SUVA specification "Handling loads".

+ If more weight is needed, additional weights can be attached.

+ If the GEROtherm® Single-U geothermal probe is installed directly on the additional 20 kilogram-weight, it is perfectly centred. A spring cotter pin supplied with the additional weight is used to secure the connection. Maximum tensile force of 450 kilograms.¹⁾

+ Also possible to secure using a nut and bolt.

Combination possibilities



initial weight 15 kg
Part No.: 104642



initial weight 19 kg
Part No.: 104643



**15 kg initial weight with
20 kg additional weight**
Part No.:
initial weight: 104642
Additional weight: 104644



**19 kg initial weight with
20 kg additional weight**
Part No.:
initial weight: 104643
Additional weight: 104644

The initial weights are supplied with a pre-installed hinged pin.

On the additional weights, the spring cotter pin is secured in the aperture on those weights by means of a cable tie.

The tensile force of a double-U GEROthem® geothermal probe with the GEROthem® probe foot used in conjunction with the new GEROthem® weights is maximum 560 kilograms.¹⁾

The tensile force of a single-U GEROthem® geothermal probe with the new GEROthem® probe foot in conjunction with the new GEROthem® additional weight is maximum 280 kilograms.¹⁾

The new GEROthem® weights are suitable for:

- GEROthem® geothermal probe de 32 mm (PN16) PE100-RC + PE100-RT
- GEROthem® geothermal probe de 40 mm (PN16, PN20) PE100-RC + PE100-RT
- GEROthem® REX geothermal probe de 32 mm (PN16)
- GEROthem® REX geothermal probe de 40 mm (PN16, PN20)
- GEROthem® VARIO geothermal probe de 32 mm (PN16)
- GEROthem® VARIO geothermal probe de 40 mm (PN16, PN20)
- GEROthem® FLUX geothermal probe de 43 mm, PN32
- GEROthem® FLUX geothermal probe de 53 mm, PN38

The tried and tested GEROthem® PUSH-FIX fixtures are available for all de 32 millimetre and de 40 millimetre geothermal probes as well as for VARIO, FLUX and REX probes.

The PUSH-FIX fixture has performed particularly well in hydraulic-circulation drilling or wash boring applications.

¹⁾ Maximum tensile force based on test using the HakaGerodur tensiometer fixture at 20°C. The dynamic tensile forces on the construction site must be taken into account accordingly. Refer to technical manual for notes on installation.



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