

# User Manual and Data for Pipe Support System from DBK



**Load Capacity:** The pipe support system is designed to carry a maximum load of 25 kg per strap, e.g., with a maximum of 25-30 cm gravel coverage over the pipe (gravel 11 kN/m<sup>3</sup>). For deeper installation, a lighter covering material such as Sundolitt or similar is recommended.

The system accommodates pipe slopes up to 60‰ (per mille). For increased lateral strength during installation, the internal hollow thread of the push/pull rod should be cut before mounting into the base/strap holder.



**Ambient Temperature:** Designed for operating temperatures from -10°C to +80°C.



**Installation in Ground Slab:** The push/pull rod may be cast directly into in-situ concrete, without additional flanges (e.g., in slab-on-ground construction). It should be embedded with a minimum of 40 mm to ensure sufficient pull-out strength. Rods should be trimmed to the correct height above insulation prior to rebar placement, as the system must not be laterally loaded.



**Fixed and Loose Straps:** The system can function with either fixed or loose straps. For fixed straps (typically at couplings), seal the top triangle between strap, strap holder, and pipe using Tec7 or similar to prevent slipping. Loose straps are placed between fixed ones to allow for pipe flexibility. (Typically: fixed straps every 3 m, loose straps in between every 0.5 m.)



**Connection to Mount:** The push/pull rod is screwed into the bottom of the strap holder and may be extended via internal threading. Thread until it clicks into place with locking tabs - do not overtighten in reverse, as the tabs are only intended to secure rods during installation.



**»KLIK« Connection to Pipe:** The strap is pulled over the pipe, and the holder is clicked into place. Ensure the strap is pressed downward until the locking tabs audibly click and lock.



**Reuse and Replacement:** If locking tabs on straps or rods are damaged, the component must be replaced. Do not reuse parts that have been previously assembled.



**Ceiling and Wall Mounting (Plumbing):** The strap holder may also be mounted to ceilings or walls using a 6.3 mm concrete screw predrilled with a 5 mm bit. (See screw datasheet.)



**Adjusting Strap Length:** Screw the push/pull rod into the ceiling-mounted strap holder, then fasten another holder to the opposite rod end. Fine height adjustment is possible by turning the strap holder back up to 1 full turn (max 5 mm).



**Installing Pipe in Ceiling-Mounted Strap Holder:** Insert pipe into the hanging holder, which accommodates Ø110/Ø160 pipes. Pull strap over pipe and click into holder with downward pressure to complete ceiling installation.



**Wall Mounting (Vertical Stacks):** For wall mounting, the strap holder is rotated so that the pipe-facing surface curves outward. Screw directly into the wall, mount the pipe, secure with strap, and click into holder. Apply top sealant as for fixed strap. Not for use with horizontal wall-mounted pipes.



**Service Life:** Strap supports have a 100+ year life expectancy, exceeding that of plastic pipes. They are corrosion-resistant and acid-proof. Push/pull rods and holders are non-elastic.



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Presentation movie

