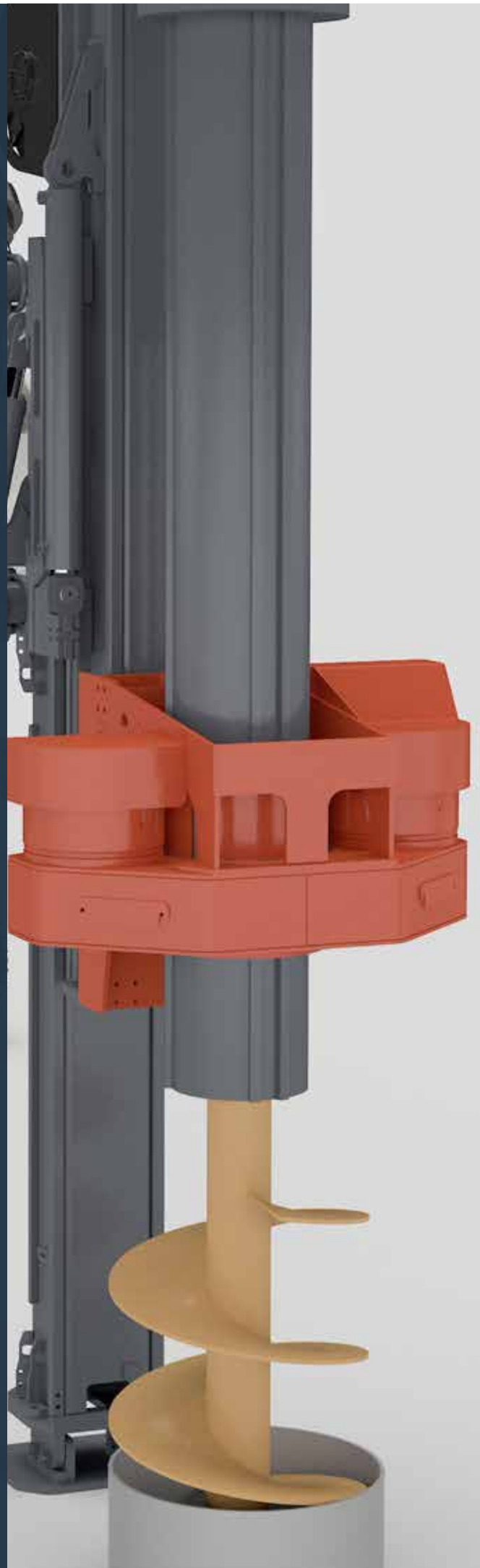




TECHNICAL  
SPECIFICATION

KB-70S





SIDE GRIP PILE DRIVERS



PILING HAMMERS



PILING DRILLS



PRE-AUGERS

## SOLUTIONS

# PILING EQUIPMENT

MOVAX piling equipment is available for different piling technologies, including driven and bored piles, varying conditions and requirements and for all kinds of piles including sheet piles, H-beams, tubular steel piles, timber piles - and for cast-in-situ.

**Side grip pile drivers (SG)** are the optimum solution for a wide range of piling requirements and a variety of site and soil conditions – especially when a high-degree of precision is required, and for piling in sensitive environments and when limited space or access is available. The same unit can handle, pitch and drive piles and is capable of accomplishing the whole process without the need of manual handling or assisting machinery.

**Piling hammers (DH)** are utilised to drive load-bearing piles and to assist in sheet pile driving, even in the most difficult soil conditions. MOVAX piling hammers are the optimum solution to complete a pile installation after reaching refusal with a side grip pile driver or when load testing is required. The piling hammers can be either excavator or excavator leader mast mounted.

**Pre-augers (PA)** are designed to support MOVAX side grip pile drivers and piling hammers in difficult soil conditions.

**Piling drills (KB)** are designed for cast in-situ piling. MOVAX piling drills are especially suitable for sites with confined spaces and when limited space or headroom is available.

**MOVAX manipulators** are designed for fast, flexible and efficient handling of different kinds of masts, gantries, and poles as well as a wide range of piles. The MOVAX manipulator is designed for superior maneuverability, safety and accuracy.



## STATE-OF-THE-ART CONTROL FOR EFFICIENT AND ACCURATE PERFORMANCE

The MOVAX Control System (MCS) links the excavator with MOVAX's side grip pile drivers, piling hammers, piling drills, pre-augers and Manipulators. The system controls the auxiliary hydraulics of the excavator and all the functions of MOVAX's piling and drilling equipment. The system utilizes inclination and pressure sensors to monitor for instance the pile driving process – thus assisting the operator to achieve better efficiency, increased productivity and higher accuracy.

# PILING DRILLS

## KB-70S

### FEATURES

- Excavator-mounted auger drive attachments for cast in-situ piling and other earth drilling work. Especially suitable for work in confined spaces while still being good at reaching over obstacles. The telescopic design keeps the machine low and allows working on sites with limited headroom without compromising on drilling depth.
- Equipped with interlocking telescopic kelly bar
- Available with different type of augers for normal soil conditions, hard clay, hard soil etc.
- Controlled with the MOVAX Control System (MCS™)
- Available with the MOVAX Information Management System (MIMS™)



### TECHNICAL DATA

		<b>Drilling depth 15 m</b>
Weight (excl. adapter and auger)	kg	5800
Height	mm	4500
Excavator class		
- stick mounted	t	35-50
- boom mounted	t	25-50
Oil flow rate	l/min	100-200
Oil pressure	bar	350
Drilling depth	m	15
Hole diameter*	mm	420-1500
Drill speed range	rpm	10-120
Side tilt angle	°	±15
Torque	kNm	70
Extraction force	kN	57
Crowd force	kN	190

\* depending on soil conditions and tooling

# MOVAX WAY-OF-PILING

Higher productivity and  
significant savings



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