

PILING DRILLS

TECHNICAL DATA

KELLY-BAR SERIES

Model		KB-70L	KB-70S
Drilling depth*	m	20	9-15
Weight**	kg	6700	5300-5800
Height**	mm	5550	4500
Oil flow rate	l/min	100-200	100-200
Oil pressure	bar	350	350
Hole diameter	mm	420-1500	420-1500
Drill speed range	rpm	10-120	10-120
Side tilt angle	°	±15	±15
Torque	kNm	70	70
Extraction force	kN	75	57
Crowd force	kN	190	190
Excavator class***		35-50	(30) 35-50

Lead augers		
Model		clay, rock or heavy duty
Outer diameter	mm	420-1500

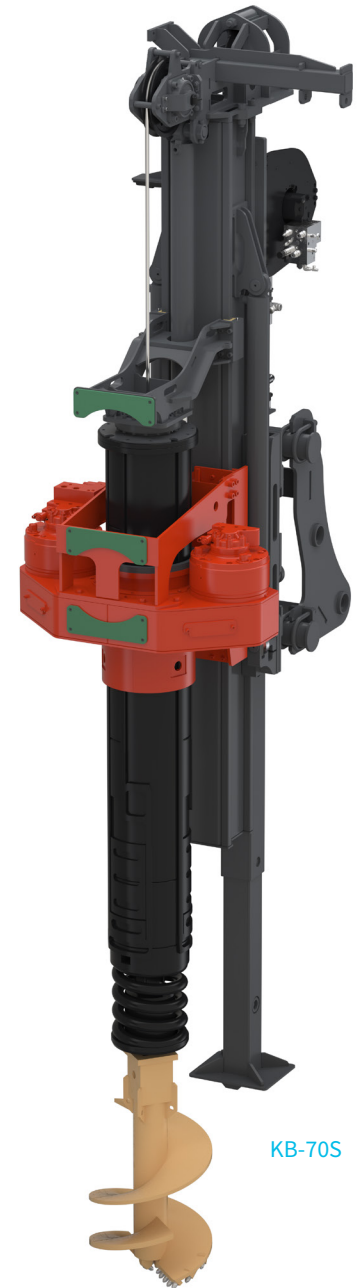
Accessories (optional)	
Service winch	2,5 ton for handling rebar or reinforcement steel
Casing adapter	tailor-made according to customer specifications
Cardan joint	tailor-made according to customer specifications

NOTE!

* drilling depth dependent on length of kelly bar

** excluding adapter and lead auger

*** stick or boom mounted; excavator suitability to be checked



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PRODUCT RANGE

The suitable MOVAX piling drill-model is selected based on the soil & site conditions, the excavator and the main dimensions (diameter and depth) of the cast-in-situ piles to be bored.

Excavator (carrier)

The excavator must be suitable – and match – the specific piling drill in question in regards to hydraulic power (oil flow @ pressure). Thus the excavator brand & model is needed for the correct selection of model.

Soil conditions

Piling drills are suitable for a wide range of soil conditions. In order to make a detailed analysis of the suitability of a MOVAX model for a specific project a soil report is needed.

Type & dimension of piles

In order to select the correct MOVAX model, the dimensions (diameter, depth) are needed. Due to the modular design the same MOVAX side grip pile driver can be used to drill different size (OD) of piles. In case of casing the dimensions (diameter, length) are needed.

Site conditions

MOVAX side grip pile drivers are the optimum solution for sites with limited access, space or headroom.

SELECTION CHART (preliminary)

EXCAVATOR CLASS/ PILE SIZE (depth)	24-35 ton	(30) 35-50 ton	35-50 ton
6 m x 2800 kg	TAD-32/TAD-51	KB-70S	KB-70L
12 m x 1900 kg			
16 m x 1300 kg			
SUITABLE PILES			
Sheet piles / (trench sheets)*	400-1000 mm clay, rock	420-1500 mm clay, rock	420-1500 mm clay, rock

NOTE!

When making the final selection the excavator engine size and hydraulic system design (oil pump arrangement, oil flow rate/pressure etc), excavator lifting capacity and stability and soil and site conditions shall be taken into account.