PRODUCT RANGE

SIDE GRIP PILE DRIVERS

Excavator (carrier)

The excavator must be suitable – and match – the specific vibratory pile driver 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

Vibratory pile drivers are suitable for a wide range of soil conditions & N-values (SPT). 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 type of piles (sheet pile, H-beam, tubular steel pile and/or timber pile) and their dimensions (length, width/depth, OD) are needed. Due to the modular design *(MOVAX Modular System)* the same MOVAX side grip pile driver can be used to drive different type of piles.

Site conditions

MOVAX side grip pile drivers are the optimum solution for sites with limited access, space or headroom. Standard (STD) and Lite models are selected for a wide range of piling jobs. Resonance-free (V) models are selected for sensitive areas where disturbances to the surroundings are to be minimized.

SELECTION CHART

EXCAVATOR CLASS/ PILE SIZE (length/weight)	**33-50 t**	**28-32 t**	**23-28 t**	**20-24 t**	**17-21 t**	**13-16 t**	**7-11 t**
6 m x 2800 kg 12 m x 1900 kg 16 m x 1300 kg	**SG-75** **SG-75V** **SG-80F** **SG-80VA**						
8 m x 2300 kg 12 m x 1800 kg 16 m x 1200 kg		**SG-60** **SG-60V**	**SG-50** **SG-50V**	**SG-45** **SG-45V**			
6 m x 1200 kg 12 m x 1000 kg 16 m x 900 kg					**SG-40N**	**SG-30N**	
4 m x 400 kg 6 m x 200 kg							**SG-15N**
SUITABLE PILES							
Sheet piles / (trench sheets)	width 400-1200 mm				width 400-1200 mm (330-600 mm)		width 400-600 mm (330-600 mm)
H-beams	H100-H500				H100-H400		H100-H140
Timber piles	Ø160–600 mm				Ø120–325 mm		Ø100–200 mm
Tube piles	Ø88.9–1220 mm				Ø88.9–508 mm		Ø88.9– 323.9 mm

PRELIMINARY!

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.