








MOVAX Side grip vibratory pile driver models **SG-45** to **SG-75** are available as variable (V) eccentric moment (resonance-free) or fixed eccentric moment, whereas models **SG-15N**, **SG-30N** and **SG-40N** are available as fixed eccentric only. The resonance-free (V-models) are recommended when working in urban areas and on for instance on rail roads when the disturbances to the surroundings are to be minimized.

The model **SG-75** is designed for larger crawler or wheeled type excavators and rail roaders whereas the **SG-45** to **SG-60** models are the optimum choice for medium sized crawler or wheeled type excavators and rail roaders. The **SG-45** to **SG-75** models are suitable for a wide variety of applications and work ranging from civil, road and rail to environmental & energy, piers & waterways as well as utility work.

Models **SG-30N** and **SG-40N** are suited for the utility sector, especially where work is required to be undertaken by wheeled or small tracked excavators.

The **SG-15N** is suitable for the utility sector, ground workers and earth movers, and is the optimum solution for smaller wheeled or tracked excavators.

PRELIMINARY SELECTION CHART

Excavator size	 33–40 ton	 28–32 ton	 23–28 ton	 20–24 ton	 17–21 ton	 13–16 ton	 7–11 ton
Pile size (length / weight)							
6 m / 2 800 kg 12 m / 1 900 kg 16 m / 1 300 kg	SG-75 SG-75V						
8 m / 2 300 kg 12 m / 1 800 kg 16 m / 1 200 kg		SG-60 SG-60V	SG-50 SG-50V	SG-45 SG-45V			
6 m / 1 200 kg 8 m / 1 000 kg 10 m / 900 kg					SG-40N	SG-30N	
4 m / 400 kg 6 m / 200 kg							SG-15N
Suitable piles							
Sheet piles (/ Trench sheets)	width 400–1200 mm				width 400–1200 mm		width 400–600 mm (width 394–705 mm)
H-beams	H100–H500				H100–H400		H100–H300
Timber piles	Ø 160–420 mm & Ø 430–600 mm				Ø 120–250 mm & Ø 220–325 mm		Ø 100–200 mm & Ø 200–300 mm
Tube piles	Ø 88.9–1220 mm				Ø 88.9–508 mm		Ø 88.9–323.9 mm

NOTE! Preliminary selection. When making the final selection excavator engine size and hydraulic system design (oil pump arrangement, oil flow rate/pressure etc), excavator lifting capacity and stability as well as soil and site conditions shall be taken into account. In order to ensure proper operation and performance it is of vital importance that the excavator is selected correctly.