

PRESENTATION & PRODUCT LINE



For sheet piles and H beams

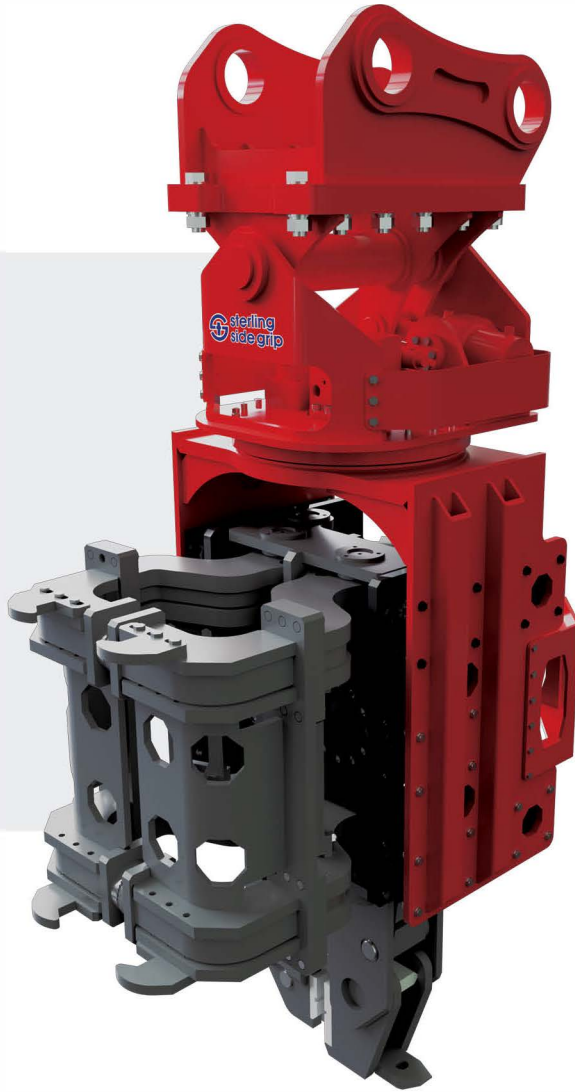


SIDE GRIP PILE DRIVERS



JOB APPLICATION

Significantly wider offering & 4 market segments enable further success



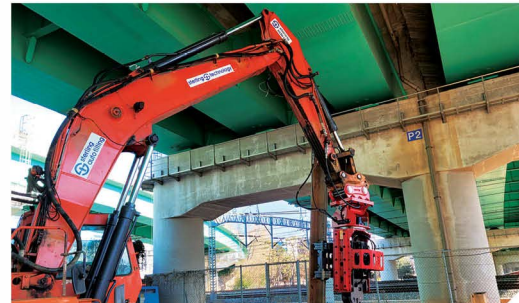
SEA SIDE



RIVER SIDE



HEAD ROOM CONSTRUCTION



CONFINED SPACE JOB SITE



SIDE GRIP PILE DRIVERS

Side grip type excavator-mounted vibratory pile driver



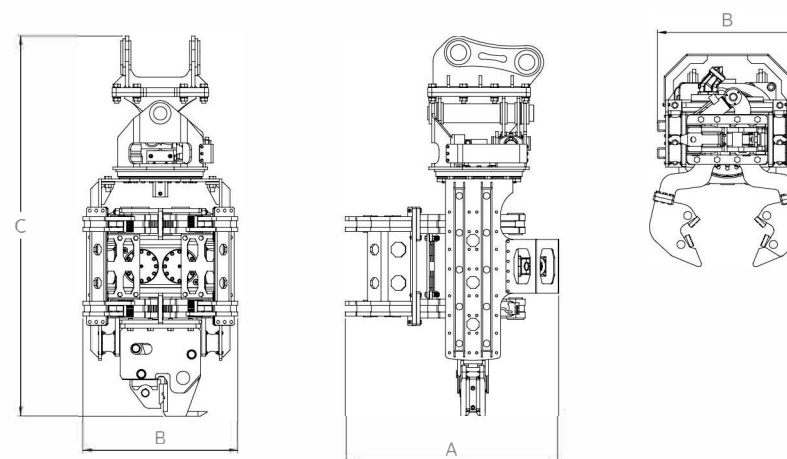
Model	Unit	SG25	SG30	SG40
Suitable Excavator	ton	20 ~ 26	28 ~ 36	36 ~ 50
Weight (Incl. Mounting Cap)	kg	2,820	3,300	3,800
Setting Pressure	bar	250	250	280
Oil Flow	lpm	170 ~ 200	180 ~ 220	240 ~ 260
Centrifugal force	kN	520	610	700
Eccentric Moment	kgm	3.7	4.3	8.2
Frequency	bpm	2,800 ~ 3,600	2,800 ~ 3,600	2,200 ~ 2,800
Rotation	deg	360	360	360
Dimension (A x B x C)	mm	1,515 x 1,040 x 2,833	1,515 x 1,040 x 2,833	1,560 x 1,110 x 2,918
Tilting degree	deg	±30	±30	±30
Bottom Jaw open	mm	65	65	65
Side clamp open	mm	352	352	352
Min Pile Grip Dia	mm	150	150	150
Max Pile Grip Dia	mm	500	500	500

※ Specifications above are subject to change without notice.



FEATURES FOR STERLING SIDE GRIP

- Available for a wide ranges of piles
 - Sheet piles, H beams, I-H beams, and round-piles
- Versatile piling at headroom job site
- Versatile piling at a confined space job site
- Precise and accurate side clamping
 - 360-degree Swivel rotatable grip pads enable precisely and accurately clamping
- Quicker and more powerful
 - Faster penetration and extraction than other side grip pile drivers thanks to bigger and double eccentric weight
- Low maintenance cost & easy maintenance
 - Concise structure of components
- Rigid and durability
 - Double bearings, balanced counter weights and rigid rubber cushion



MODEL SELECTION GUIDE

Please refer to the following selection table for selecting suitable Sterling side grip models for the excavators

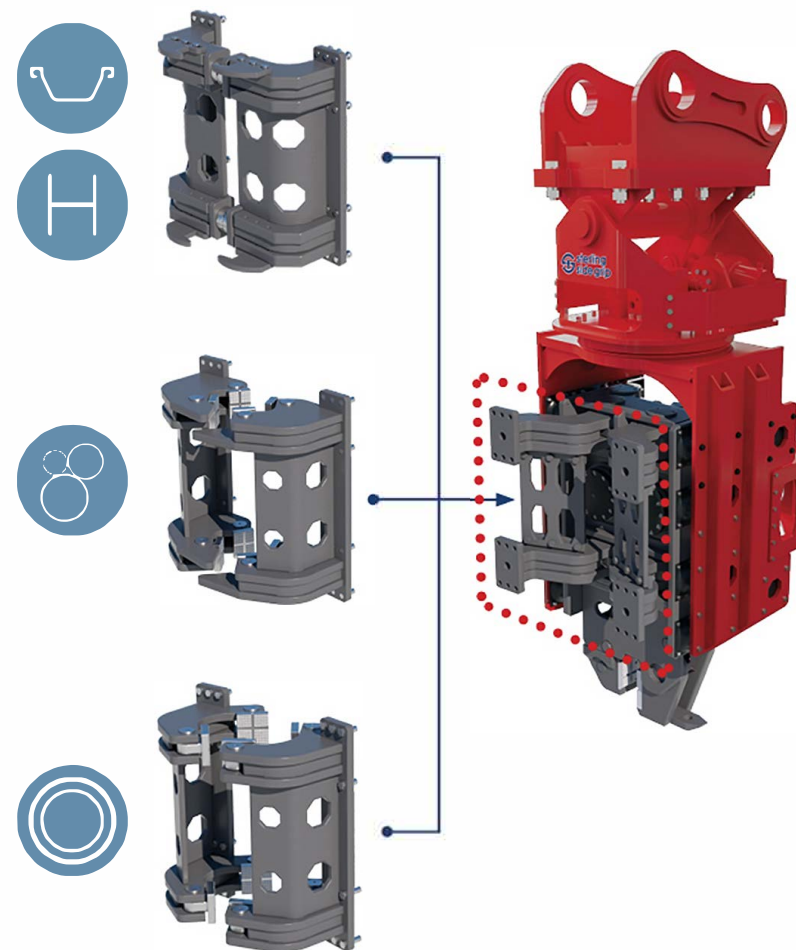
SELECTION TABLE

Excavator size	36-50ton +	28-36ton	20-26ton
Pile size(length/weight)			
6m/2800kg	SG40		
12m/1900kg			
16m/1300kg			
8m/2300kg		SG30	SG25
12m/1800kg			
16m/1200kg			
6m/1200kg			
8m/1000kg			
10m/900kg			
Suitable piles			
Sheet piles	width 400 ~ 1,200mm, depth 265mm		
H-beams/Round-piles	Max 500 x 300 / Max dia 500mm		

※Please take into consideration for oil flow/pressure, lifting capacity/stability of excavators, soil and site conditions.

Model	Unit	SG25	SG30	SG40
Suitable Excavator	ton	20 ~ 26	28 ~ 36	36 ~ 50
Bottom Jaw open	mm	65	65	65
Side clamp open	mm	352	352	352
Min Pile Grip Dia	mm	150	150	150
Max Pile Grip Dia	mm	500	500	500

※ Specifications above are subject to change without notice.



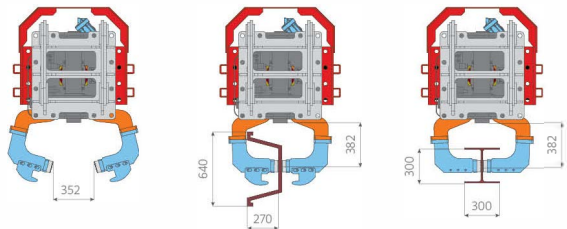
CLAMP SELECTION GUIDE

The following clamp selection guide provides the general guidelines for selecting the correct clamp for the different types and sizes of piles

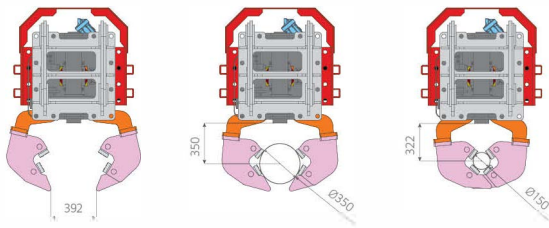
CLAMP OPTION SPECIFICATION



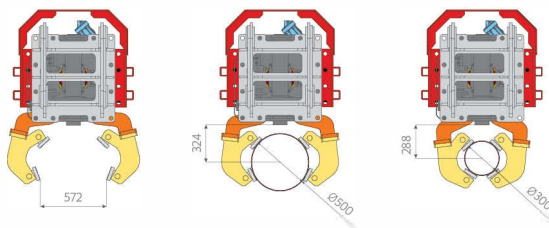
Standard clamp



Round pile clamp(S)



Round pile clamp(L)

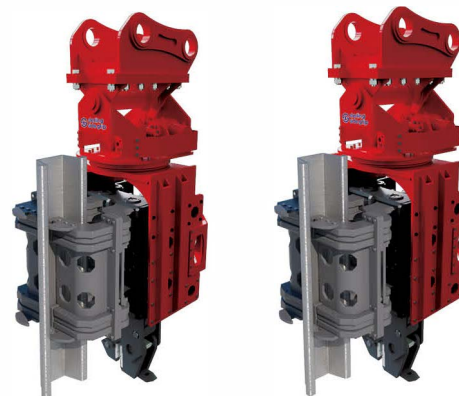


INTERCHANGEABLE CLAMP OPTION

Thanks to its interchangeable side clamp system, the Sterling Side Grip pile driver can handle all types of piles with its multiple clamps, and it offers quick transfer capability between various applications.

Round pile clamp(S) and round pile clamp(L) are an option.

Standard clamp



For sheet piles and H beams



Round pile clamp(S)



For round shape piles sized from 6" to 14"



Round pile clamp(L)



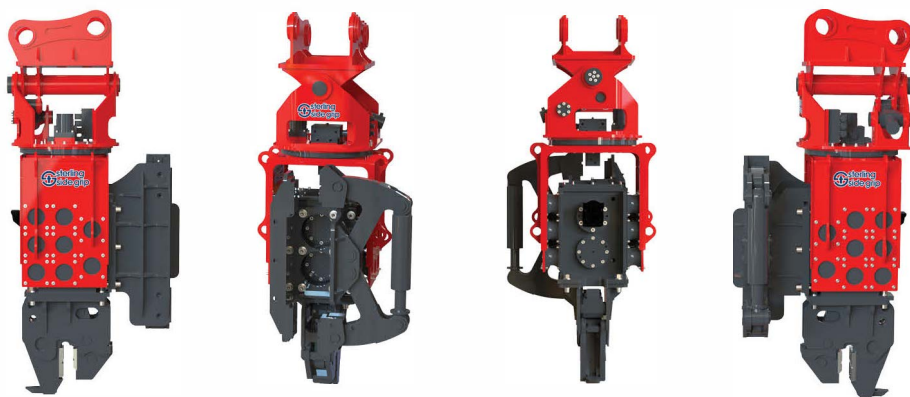
For round shape piles sized from 12" to 19"





SIDE GRIP-W TYPE

Side grip type excavator-mounted vibratory pile driver

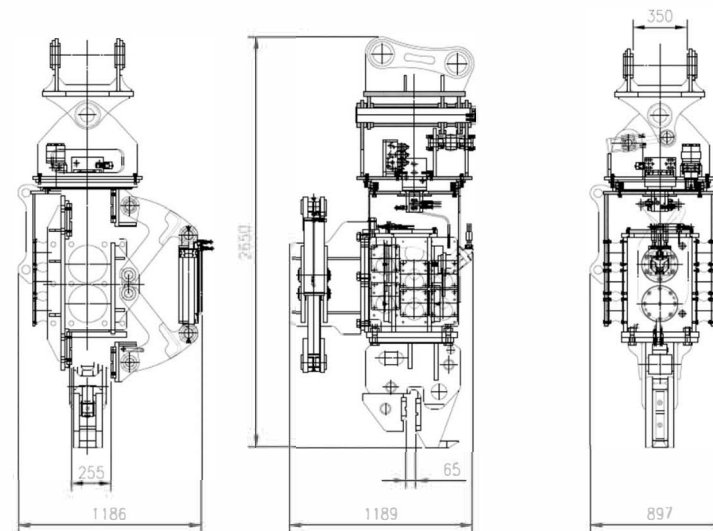


Model	Unit	SG25W	SG30W
Suitable Excavator	ton	17 ~ 26	22 ~ 36
Weight(Incl. Mounting Cap)	kg	2,620	2,800
Setting Pressure	bar	250	250
Oil Flow	lpm	170 - 200	180 - 220
Centrifugal force	kN	520	610
Eccentric Moment	kgm	3.7	4.3
Frequency	bpm	2,800 ~ 3,600	2,800 ~ 3,600
Rotation	deg	360	360
Dimension(A x B x C)	mm	1,165 x 1,189 x 2,600	1,165 x 1,189 x 2,600
Tilting degree	deg	±30	±30
Bottom clamp open	mm	65	65
Side clamp open	mm	255	255

※ Specifications above are subject to change without notice.

FEATURES FOR SIDE GRIP - W TYPE

- Available for a wide ranges of piles
 - Sheet piles, H beams, and I-H beams
- Versatile piling at headroom job site
- Versatile piling at a confined space job site
- Precise and accurate side clamping
 - Balanced four pads allows firmly, precisely and accurately clamping
- Quicker and more powerful
 - Faster penetration and extraction than other side grip pile drivers thanks to bigger and double eccentric weight
- Low maintenance cost & easy maintenance
 - Concise structure of components
- Rigid and durability
 - Double bearings, balanced counter weights and rigid rubber cushion



ADVANTAGE OF SIDE GRIP-W TYPE

- ▶ “W” type Side clamping
 - “W” shape clamp structure of Sterling Side grip - **Precise and accurate side clamping**

Conventional Side grip clamping unit



Four fixed clamping pads with two separate arm structure may cause inaccurate clamping. Frequent inaccurate clamping may lead to crack or damage of clamping cylinder and clamp arm.

VS

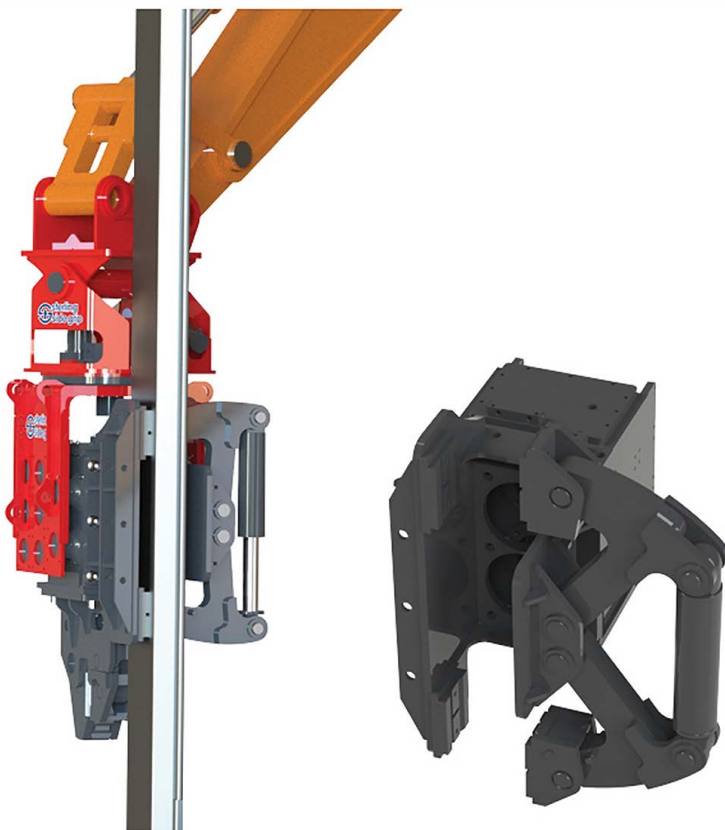
Side grip - W type clamping unit



“W” shape clamp structure and balanced four pads allows firmly, precisely and accurately clamping all the time.

SELECTION GUIDE / SHEET PILES & H BEAM ONLY

Please refer to the following selection table for selecting suitable Sterling side grip models for the excavators



SELECTION TABLE

Excavator size	33-36 + ton	28-32ton	23-26ton	20-24ton	17-21ton
Pile size(length/weight)					
6m/2800kg	SG30W				
12m/1900kg					
16m/1300kg					
8m/2300kg					
12m/1800kg		SG30W	SG25W	SG25W	
16m/1200kg					
6m/1200kg					SG25W
8m/1000kg					
10m/900kg					
Suitable piles					
Sheet piles	width 400-1,200mm, depth 250mm				
H-beams	Max 250 x 250				

※ Please take into consideration for oil flow/pressure, lifting capacity/stability of excavators, soil and site conditions.

Model	Unit	SG25W	SG30W
Suitable Excavator	ton	17 ~ 26	22 ~ 36
Bottom Jaw open	mm	65	65
Side clamp open	mm	255	255
Max Pile Grip dia	mm	250	250

※ Specifications above are subject to change without notice.