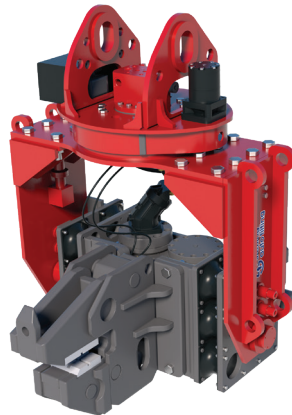
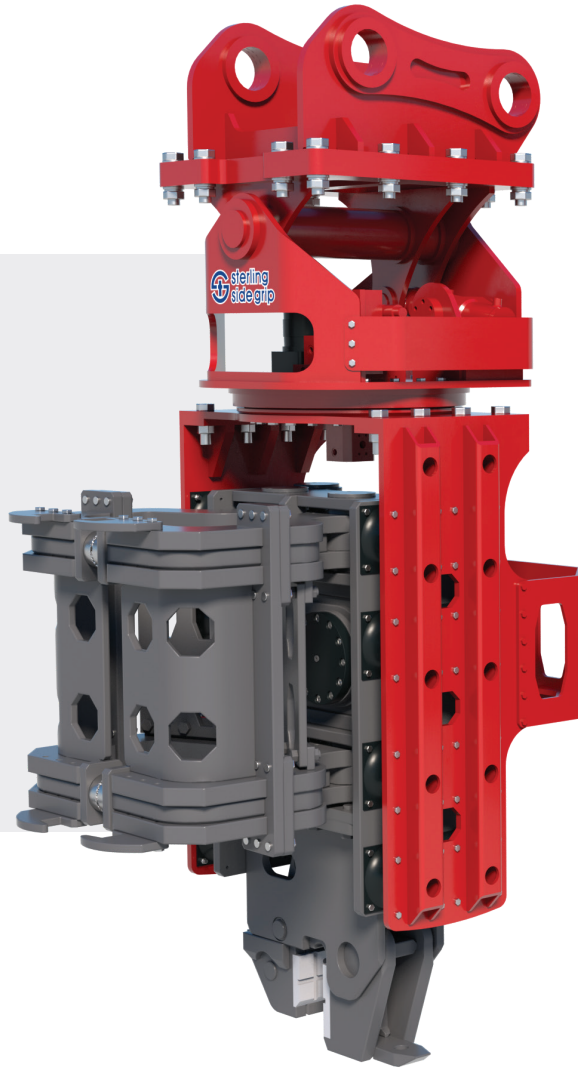


STERLING TECHNOLOGY PRESENTATION & PRODUCT LINE





STERLING 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



STERLING SIDE GRIP PILE DRIVERS

Side grip type excavator-mounted vibratory pile driver

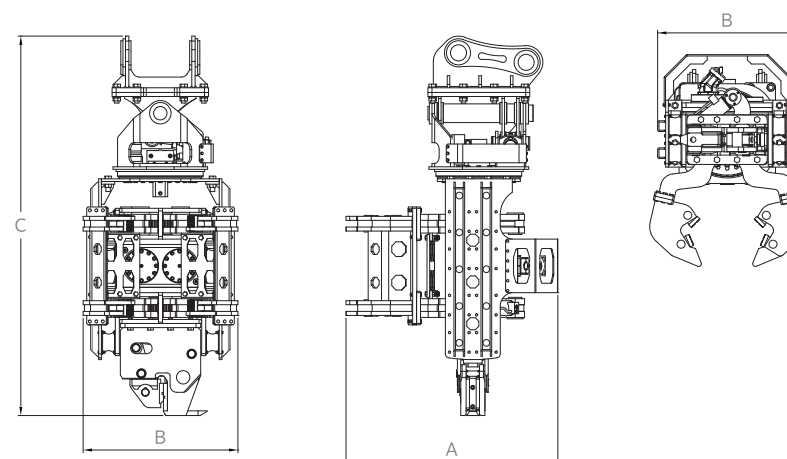


Model	Unit	SG25	SG30
Suitable Excavator	ton	20 ~ 30	30 ~ 45
Weight(Incl. Mounting Cap)	kg	2820	3300
Setting Pressure	bar	250	250
Oil Flow	lpm	170-200	180-220
Centrifugal force	kn	400	520
Frequency	bpm	2,800 ~ 3,600	2,800 ~ 3,600
Rotation	deg	360	360
Dimension(AxBxC)	mm	1,515 x 1,040 x 2,833	1,515 x 1,040 x 2,833
Tilting degree	deg	±30	±30
Bottom Jaw open	mm	65	65
Side clamp open	mm	352	352
Max Pile Grip dia	mm	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 jaws 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 weighs and rigid rubber cushion



MODEL SELECTION GUIDE

The following selection table provides the general guidelines for selecting the correct Sterling side grip model for the excavator or carrier (size/ton)

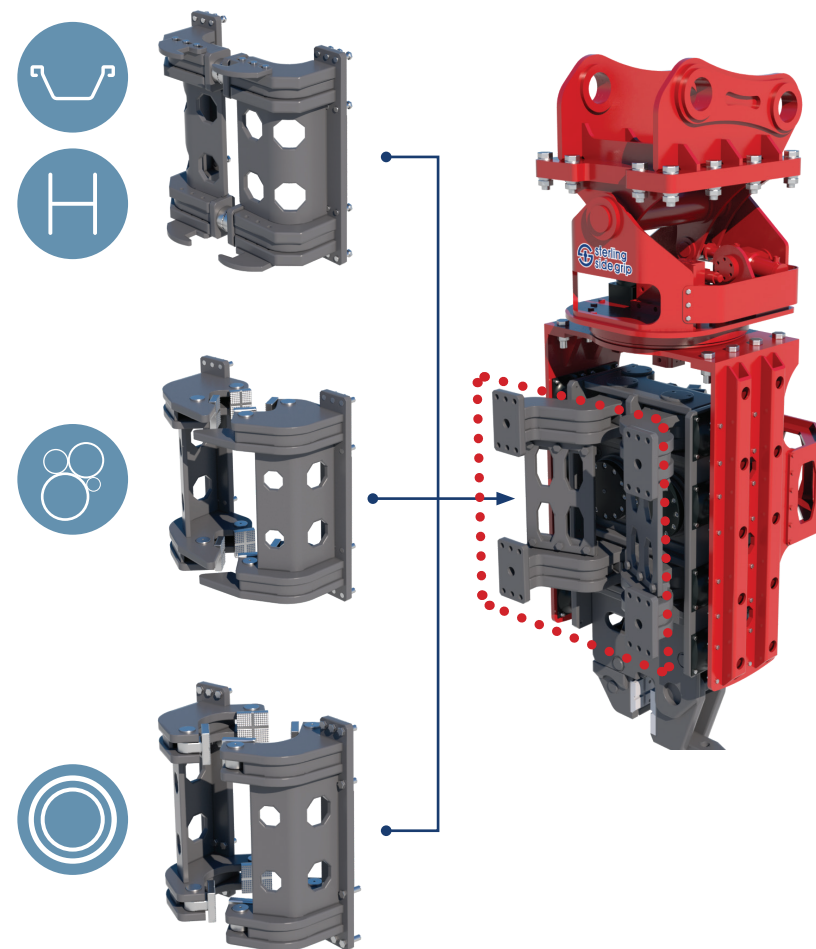
SELECTION TABLE

Model	30-45ton	28-30ton	20-26ton	17-20ton
Pile size(length/weight)				
6m/2800kg	SG30			
12m/1900kg				
16m/1300kg				
8m/2300kg		SG30 SG25	SG25	
12m/1800kg				
16m/1200kg				
6m/1200kg				SG25
8m/1000kg				
10m/900kg				
Suitable piles				
Sheet piles	width 400 ~ 1,200mm, depth 265mm			
H-beams/Round-piles	Max 500x300/Max dia 500mm			

※ 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.

Model	Unit	SG25	SG30
Suitable Excavator	ton	20 ~ 30	30 ~ 45
Bottom Jaw open	mm	65	65
Min Pile Grip dia	mm	150	150
Max Pile Grip dia	mm	500	500

※ Specifications above are subject to change without notice.



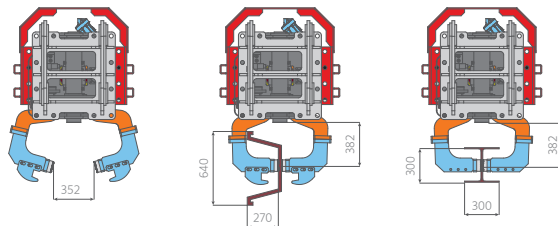
CLAMP SELECTION GUIDE

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

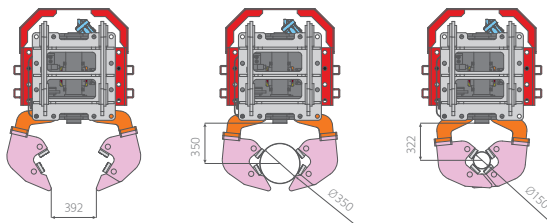
CLAMP OPTION SPECIFICATION



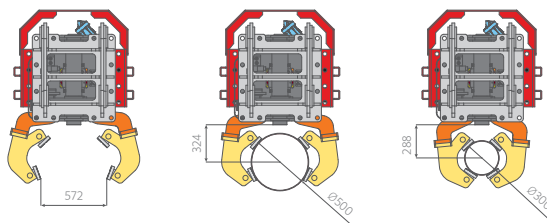
Standard clamp



Round pile clamp(S)



Round pile clamp(L)

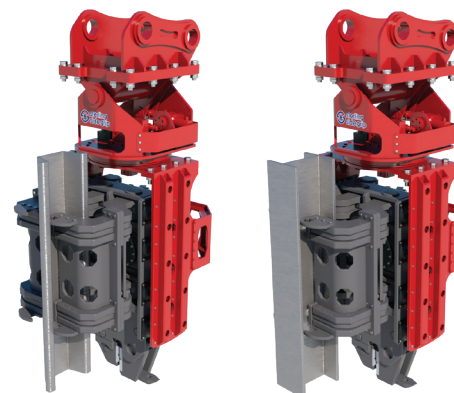


INTERCHANGEABLE CLAMP OPTION

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.

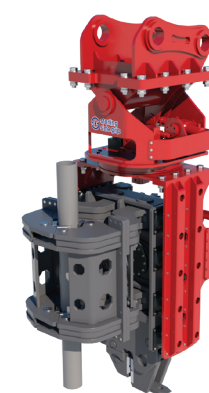
Standard clamp



For sheet piles and H beams



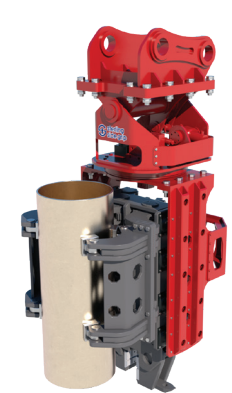
Round pile clamp(S)



For round shape piles sized from 150mm to 350mm



Round pile clamp(L)



For round shape piles sized from 300mm to 500mm



CONVENTIONAL PILE DRIVER vs STERLING SIDE GRIP

Conventional pile driver



Auxiliary
extended arm



Sterling Side grip pile driver



	Conventional pile driver	Sterling Side grip pile driver
Feature	<ul style="list-style-type: none"> - Auxiliary extended arm required - Fixed type mounting adapter or hydraulic revolving mounting adapter - No hydraulic tilting function of mounting adapter 	<ul style="list-style-type: none"> - No auxiliary extended arm required - Hydraulic revolving mounting adapter - 360 degree - Hydraulic tilting function of mounting adapter - tilting degree ± 30
Strong point	<ul style="list-style-type: none"> - Low price 	<ul style="list-style-type: none"> - Cost effective : Quicker piling up to by 30% than conventional pile driver - Versatile : <ul style="list-style-type: none"> · Piling at headroom construction site and piling at confined space job site · Wide ranges of piles Sheet piles, H beams, I-H beams, and round-piles - Safe : <ul style="list-style-type: none"> · A single excavator operator required, no need ground crew or assistant needed
Weak point	<ul style="list-style-type: none"> - Impossible piling at headroom job site, and at confined space job site - A ground crew or assistant required besides an excavator operator 	<ul style="list-style-type: none"> - Relatively high initial investment due to high purchasing price

CONVENTIONAL PILE DRIVER vs STERLING SIDE GRIP

► Sterling Side clamping

- 360-degree Swivel rotatable jaws enable precisely and accurately clamping - **Precise and accurate side clamping**

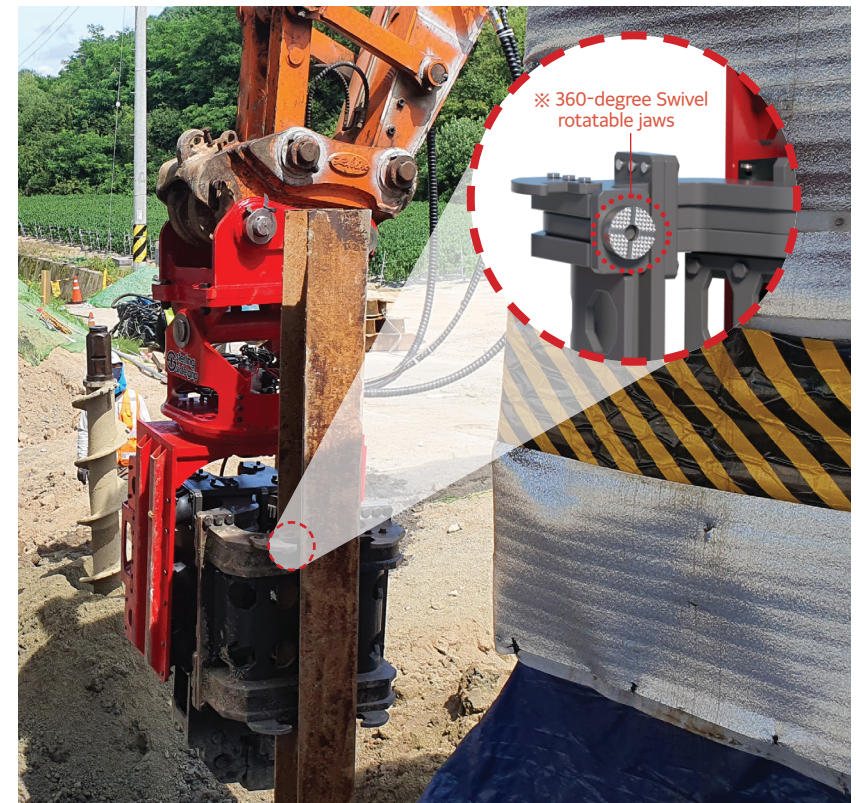
Conventional Side grip clamping unit



Four 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

Sterling Side grip clamping unit



The jaws 360-degree swivel, which enable to grab as pile in the corner it pivots and holds. It results in precise and accurate clamping



STERLING PEOPLE!
STERLING PRODUCTS!
STERLING SERVICE!



sterling  technology

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