



SMS

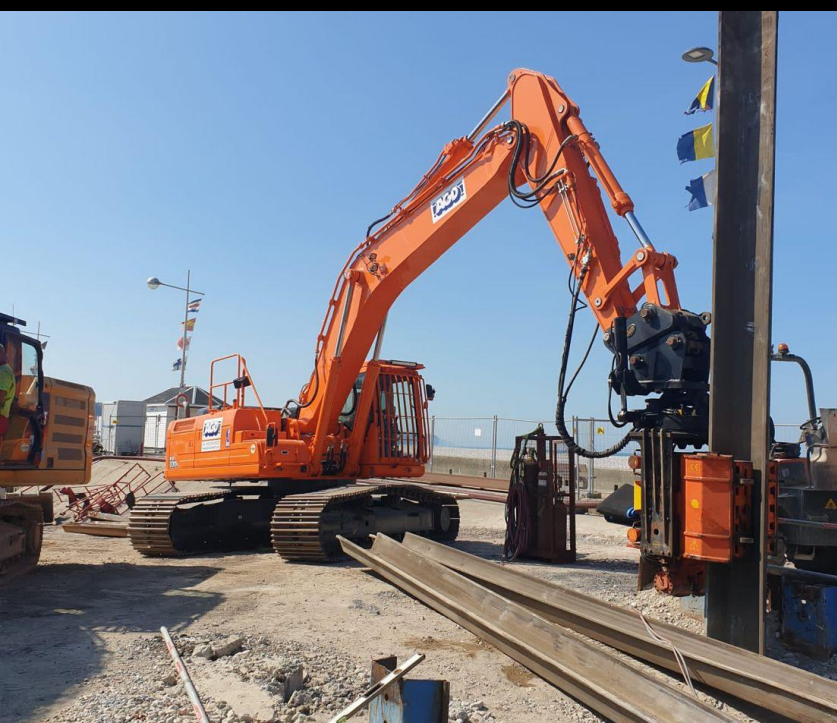
HYDRAULIC PILE DRIVERS

VIBRATORY PILE DRIVERS

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SMS VIBRATORY PILE DRIVERS

Made in Turkey Produced by Sadikoglu Makine

SMS Sadikoglu is a well known producer of Excavator mounted Side grip and EMV vibratory pile drivers

We have many years of experience in all areas of manufacturing reliable hydraulic vibratory hammers and side grip pile drivers.

Our factory is located in Kocaeli/Turkey and we supply our vibratory pile drivers to all over the world.

SMS pile drivers are excavator-mounted, high frequency, vibratory-type pile drivers – for handling, pitching, driving, and extracting the different types of piles in a wide range of site and soil conditions.





Easy to match with excavator, simply take off the bucket and install the hammer, connect the pipeline, then it can work..

360° rotation, $\pm 30^\circ$ tilt, 3-axis action, drive the piles precisely, no need extra ground worker to guide the piling. Clamp the piles from the side, no lifting height limit, no need to prolong the boom to drive long piles, excellent for confined working space. Clamp the piles from the side, no lifting height limit, no need to prolong the boom to drive long piles, excellent for confined working space.

The top grip vibratory hammer clamps the pile from upper end, and the bottom is shaking all the time. By contrast the side grip clamps the pile from the side, no need to bind and lock the pile for stability.

Advanced design with circulating cooling, no high temperature troubles. Adapts international famous brand components to ensure good performance and long life-time , such as bearing , vibration motor, and valves are most well known and reliable ones.

Side Grip pile driver is designed to overcome obstacles such as low overhead clearance and narrow passageways, as well as eliminate the need for peripheral equipment to be used in the piling operation.

SIDE GRIP PILE DRIVERS

SIDE GRIP SHEET PILE DRIVERS

SGL series sidegrip pile drivers are designed to drive sheet piles and H-beams only. It has a fixed sheet piling clamp on and can drive sheet piles and H-beams in various ranges easily.

SMS PARS SGL 30

SMS PARS SGL 40

SMS PARS SGL 60

SMS PARS SGL 80

SMS PARS SGL 100



SMS PARS SGL 30

FR

PARS SGL 30

Eccentric Moment (Kgm)		3
Centrifugal Force (kN)		310
Speed (d/d)		3000
Max. Pulling Force (kN)		60
Max. Pushing Force (kN)		40
Total Weight (kg)		1650
Total Length (mm)		1280
Total Width (mm)		1100
Total Height (mm)		2300
Flow (Lt/min)		120
Working Pressure (bar)		300
Power (kW)		165
Hydromotor		F12-40
Oil Pump		+
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		14-20 Tons
Changeable Jaw system	NO / Suitable to drive only sheet piles	
Sheet Piles	400-1200	
	6 meter length	1250 Kg
	8 meter length	1000 Kg
	12 meter length	900 Kg
H Beams		H100-H400



SMS PARS SGL 40

FR

PARS SGL 40			
Eccentric Moment (Kgm)			4
Centrifugal Force (kN)			370
Speed (d/d)			2800
Max. Pulling Force (kN)			120
Max. Pushing Force (kN)			80
Total Weight (kg)			1850
Total Length (mm)			1200
Total Width (mm)			1100
Total Height (mm)			2250
Flow (Lt/min)			170
Working Pressure (bar)			300
Power (kW)			85,0
Hydromotor		F12-30 x 2 pieces	
Oil Pump		+	
Number of Cylinders		3	
Rotation-Swing Angles(°)		360-30	
Suitable Excavator class		20 -28 tons	
Changeable Jaw system	NO / Suitable to drive only sheet piles		
Sheet Piles	400 -1200	8 meter length	2250 Kg
		12 meter length	1650 Kg
		16 meter length	1200 Kg
H Beams			H100-H400



SMS PARS SGL 60

FR

PARS SGL 60

Eccentric Moment (Kgm)	6,5	
Centrifugal Force (kN)	450	
Speed (d/d)	2500	
Max. Pulling Force (kN)	120	
Max. Pushing Force (kN)	80	
Total Weight (kg)	2750	
Total Lenght (mm)	1200	
Total Width (mm)	1300	
Total Height (mm)	2350	
Flow (Lt/min)	204	
Working Pressure (bar)	300	
Power (kW)	120	
Hydromotor	F12-30 x 2 pieces	
Oil Pump	+	
Number of Cylinders	3	
Rotation-Swing Angles(°)	360-30	
Suitable Excavator class	28-32 Tons	
Changeable Jaw system	NO / Suitable to drive only sheet piles	
Sheet Piles	400 –1200	
	8 meter lenght	2350 kg
	12 meter length	1850 Kg
	16 meter length	1250 Kg
H Beams	H100-H500	



SMS PARS SGL 80

FR

PARS SGL 80

Eccentric Moment (Kgm)	8,1
Centrifugal Force (kN)	671
Speed Max rpm(d/d)	2750
Max. Pulling Force (kN)	175
Max. Pushing Force (kN)	90
Total Weight (kg)	3500
Total Length (mm)	1350
Total Width (mm)	1422
Total Height (mm)	2560
Flow (Lt/min)	240
Working Pressure (bar)	300
Power (kW)	165
Hydromotor	F12-40 x 2 peices
Oil Pump	+
Number of Cylinders	3
Rotation-Swing Angles(°)	360-30
Suitable Excavator class	32 Tons and Over
Changeable Jaw system	NO / Suitable to drive only sheet piles
Sheet Piles	400-1200
	6 meter lenght
	2850 kg
	12 meter length
	1950 Kg
	16 meter length
	1350 Kg
H beams	H100-H500



SMS PARS SGL 100

FR

PARS SGL 100

Eccentric Moment (Kgm)	10
Centrifugal Force (kN)	700
Speed (d/d)	2500
Max. Pulling Force (kN)	200
Max. Pushing Force (kN)	105
Total Weight (kg)	3750
Total Length (mm)	1350
Total Width (mm)	1422
Total Height (mm)	2560
Flow (Lt/min)	240
Working Pressure (bar)	350
Power (kW) / Flow	185 kW / 285 lt/min
Hydromotor	F12-60 x 2 peices
Oil Pump	+
Number of Cylinders	3
Rotation-Swing Angles(°)	360-30
Suitable Excavator class	38 Tons and Over
Changeable Jaw system	NO / Suitable to drive only sheet piles
Sheet Piles	400-1200
	8 meter lenght 2850 kg
	12 meter length 1950 Kg
	16 meter length 1350 Kg
H beams	H100-H500



SIDE GRIP TUBULAR PILE DRIVERS

SGH series sidegrip pile drivers are designed to drive tube piles. You should always order tubular jaws in requested dimensions to drive in various dimensions of tubes.

SMS PARS SGH 30

SMS PARS SGH 40

SMS PARS SGH 60

SMS PARS SGH 80

SMS PARS SGH 100



SMS PARS SGH 30

FR

PARS SGH 30

Eccentric Moment (Kgm)		3
Centrifugal Force (kN)		310
Speed (d/d)		3000
Max. Pulling Force (kN)		60
Max. Pushing Force (kN)		40
Total Weight (kg)		1650
Total Length (mm)		1280
Total Width (mm)		1100
Total Height (mm)		2300
Flow (Lt/min)		120
Working Pressure (bar)		300
Power (kW)		165
Hydromotor		F12-40
Oil Pump		+
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		14-20 Tons
Changeable Jaw system	NO / Suitable to drive only tubes	
Suitable Piles	6 meter length	1250 Kg
	8 meter length	1000 Kg
	12 meter length	900 Kg
Tubular piles, tubes		Ø 90 - Ø 325 mm



SMS PARS SGH 40

FR

PARS SGH 40		
Eccentric Moment (Kgm)		4
Centrifugal Force (kN)		370
Speed (d/d)		2800
Max. Pulling Force (kN)		120
Max. Pushing Force (kN)		80
Total Weight (kg)		1850
Total Length (mm)		1200
Total Width (mm)		1100
Total Height (mm)		2250
Flow (Lt/min)		170
Working Pressure (bar)		300
Power (kW)		85,0
Hydromotor	F12-30 x 2 pieces	
Oil Pump	+	
Number of Cylinders	3	
Rotation-Swing Angles(°)	360-30	
Suitable Excavator class	20 -28 tons	
Changeable Jaw system	NO / Suitable to drive only tubes	
Suitable Piles	8 meter length	2250 Kg
	12 meter length	1650 Kg
	16 meter length	1200 Kg
Tubular piles, tubes	Ø 80 mm - Ø 426 mm	



SMS PARS SGH 60

FR

PARS SGH 60		
Eccentric Moment (Kgm)		6,5
Centrifugal Force (kN)		450
Speed (d/d)		2500
Max. Pulling Force (kN)		120
Max. Pushing Force (kN)		80
Total Weight (kg)		2750
Total Length (mm)		1200
Total Width (mm)		1300
Total Height (mm)		2350
Flow (Lt/min)		204
Working Pressure (bar)		300
Power (kW)		120
Hydromotor	F12-30 x 2 pieces	
Oil Pump	+	
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		28-32 Tons
Changeable Jaw system	NO / Suitable to drive only tubes	
Suitable Piles	8 meter length	2350 Kg
	12 meter length	1850 Kg
	16 meter length	1250 Kg
Tubular piles, tubes		Ø 90 mm - Ø 550 mm



SMS PARS SGH 80

FR

PARS SGH 80		
Eccentric Moment (Kgm)		8,1
Centrifugal Force (kN)		670
Speed Max rpm(d/d)		2750
Max. Pulling Force (kN)		175
Max. Pushing Force (kN)		90
Total Weight (kg)		3500
Total Lenght (mm)		1350
Total Width (mm)		1422
Total Height (mm)		2560
Flow (Lt/min)		240
Working Pressure (bar)		300
Power (kW)		165
Hydromotor	F12-40 x 2 peices	
Oil Pump	+	
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class	32 Tons and Over	
Changeable Jaw system	NO / Suitable to drive only tubes	
Suitable Piles	8 meter length	2850 Kg
	12 meter length	1950 Kg
	16 meter length	1350 Kg
Tubular piles, tubes	Ø 90 mm - Ø 650 mm	



SIDE GRIP MULTIPILER-MODULAR

SGM series sidegrip pile drivers are designed to drive Sheet piles,H-beams,tube piles and timbers . With it is unique patented design you can change the jaws easily in a few minutes and drive,extract various types of profiles

SMS PARS SGM 30

SMS PARS SGM 40

SMS PARS SGM 60

SMS PARS SGM 80

SMS PARS SGM 100



SMS PARS SGM 30

FR

PARS SGM 30

Eccentric Moment (Kgm)		3
Centrifugal Force (kN)		310
Speed (d/d)		3000
Max. Pulling Force (kN)		60
Max. Pushing Force (kN)		40
Total Weight (kg)		1650
Total Length (mm)		1280
Total Width (mm)		1100
Total Height (mm)		2300
Flow (Lt/min)		120
Working Pressure (bar)		300
Power (kW)		165
Hydromotor		F12-40
Oil Pump		+
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		14-20 Tons
Changeable Jaw system	Yes / Suitable to drive sheet piles and tubes	
Suitable Piles	6 meter length	1250 Kg
	8 meter length	1000 Kg
	12 meter length	900 Kg
Sheet Piles		400-1200 mm
H beams		H100 – H400
Timber Piles		Ø 100 – Ø 200 mm
Timber Piles		Ø 200 – Ø 300 mm
Tubular piles, tubes		Ø 90 - Ø 325 mm



SMS PARS SGM 40

FR

PARS SGM 40

Eccentric Moment (Kgm)		4
Centrifugal Force (kN)		370
Speed (d/d)		2800
Max. Pulling Force (kN)		120
Max. Pushing Force (kN)		80
Total Weight (kg)		1850
Total Length (mm)		1200
Total Width (mm)		1100
Total Height (mm)		2250
Flow (Lt/min)		170
Working Pressure (bar)		300
Power (kW)		85,0
Hydromotor		F12-30 x 2 pieces
Oil Pump		+
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		20 -28 tons
Changeable Jaw system	Yes / Suitable to drive sheet piles and tubes	
Suitable Piles	8 meter length	2250 Kg
	12 meter length	1650 Kg
	16 meter length	1200 Kg
Sheet Piles		400-1200 mm
H beams		H100 – H500
Timber Piles		Ø 100- Ø 200 mm
Timber Piles		Ø200 mm - Ø 300 mm
Tubular piles, tubes		Ø 80 mm - Ø 426 mm



SMS PARS SGM 60

FR

PARS SGM 60

Eccentric Moment (Kgm)		6,5
Centrifugal Force (kN)		450
Speed (d/d)		2500
Max. Pulling Force (kN)		120
Max. Pushing Force (kN)		80
Total Weight (kg)		2750
Total Length (mm)		1200
Total Width (mm)		1300
Total Height (mm)		2350
Flow (Lt/min)		204
Working Pressure (bar)		300
Power (kW)		120
Hydromotor	F12-40 x 2 pieces	
Oil Pump	+	
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		28-32 Tons
Changeable Jaw system	Yes / Suitable to drive sheet piles and tubes	
Suitable Piles	8 meter length	2350 Kg
	12 meter length	1850 Kg
	16 meter length	1250 Kg
Sheet Piles		400-1200 mm
H beams		H100 – H500
Timber Piles		Ø 100 - Ø 250 mm
Timber Piles		Ø 250 - Ø 450 mm
Tubular piles, tubes		Ø 90 mm - Ø 550 mm



SMS PARS SGM 80

FR

PARS SGM 80

Eccentric Moment (Kgm)		8,1
Centrifugal Force (kN)		671
Speed Max Rpm (d/d)		2750
Max. Pulling Force (kN)		175
Max. Pushing Force (kN)		90
Total Weight (kg)		3500
Total Length (mm)		1350
Total Width (mm)		1422
Total Height (mm)		2560
Flow (Lt/min)		240
Working Pressure (bar)		300
Power (kW)		165
Hydromotor		F12-40 x 2 peices
Oil Pump		+
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		32 Tons and Over
Changeable Jaw system	Yes / Suitable to drive sheet piles and tubes	
Suitable Piles	8 meter length	2850 Kg
	12 meter length	1950 Kg
	16 meter length	1350 Kg
Sheet Piles		400-1200 mm
H beams		H100 – H500
Timber Piles		Ø 100 – Ø250 mm
Timber Piles		Ø 250 - Ø 450 mm
Timber Piles		Ø 450 - Ø 600 mm
Tubular piles, tubes		Ø 90 mm - Ø 650 mm



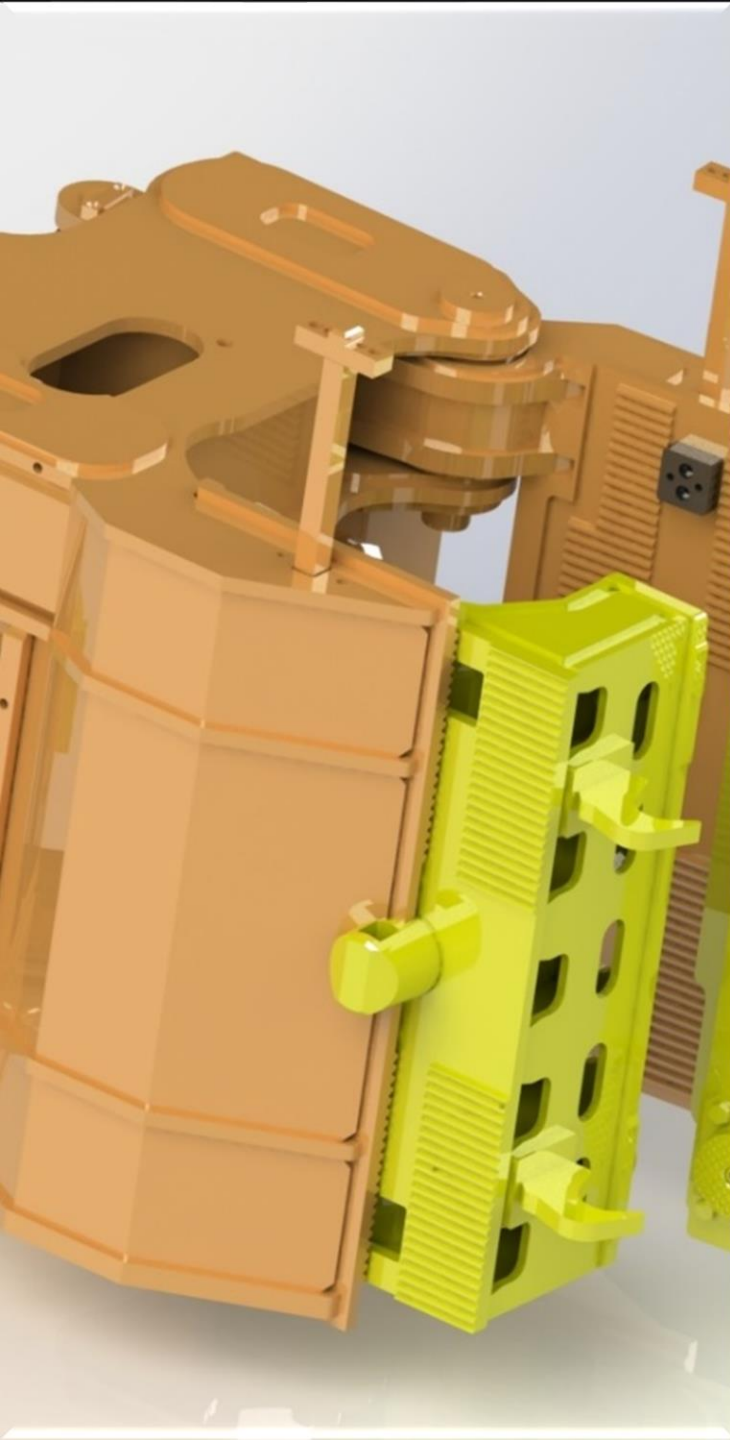
SMS PARS SGM 15

FR

PARS SGM 15

Eccentric Moment (Kgm)		1,9
Centrifugal Force (kN)		190
Speed (d/d)		3000
Max. Pulling Force (kN)		45
Max. Pushing Force (kN)		40
Total Weight (kg)		1000
Total Length (mm)		950
Total Width (mm)		961
Total Height (mm)		1990
Flow (Lt/min)		120
Working Pressure (bar)		300
Power (kW)		48 kW
Hydromotor		F12-30
Oil Pump		-
Number of Cylinders		3
Rotation-Swing Angles(°)		360-30
Suitable Excavator class		8 – 12 Tons
Changeable Jaw system	Yes / Suitable to drive sheet piles and tubes	
Suitable Piles	4 meter length	600 Kg
	6 meter length	400 Kg
Sheet Piles		400-600 mm
H beams		H100 – H140
Timber Piles		Ø 100 – Ø250 mm
Timber Piles		Ø 250 - Ø 350 mm
Tubular piles, tubes		Ø 90 mm - Ø 350 mm





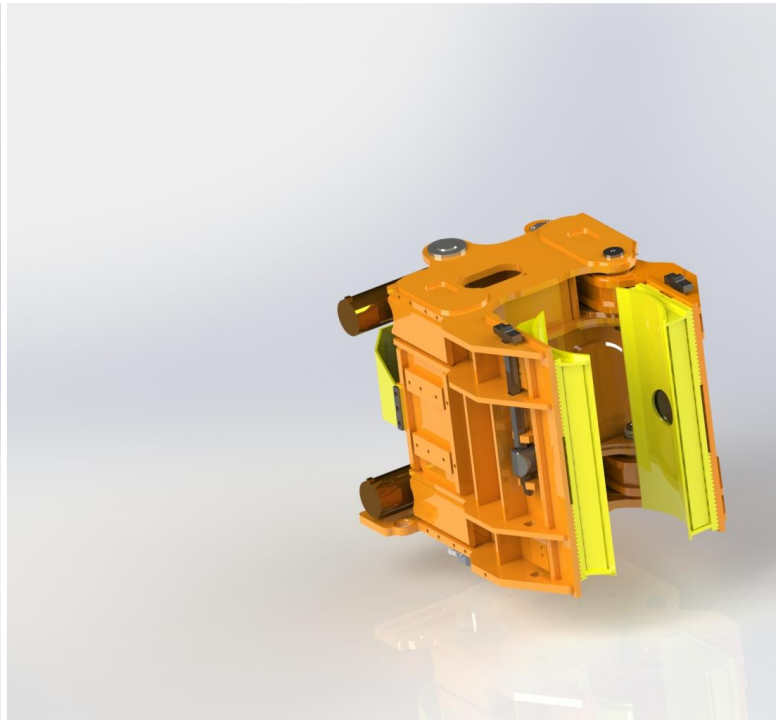
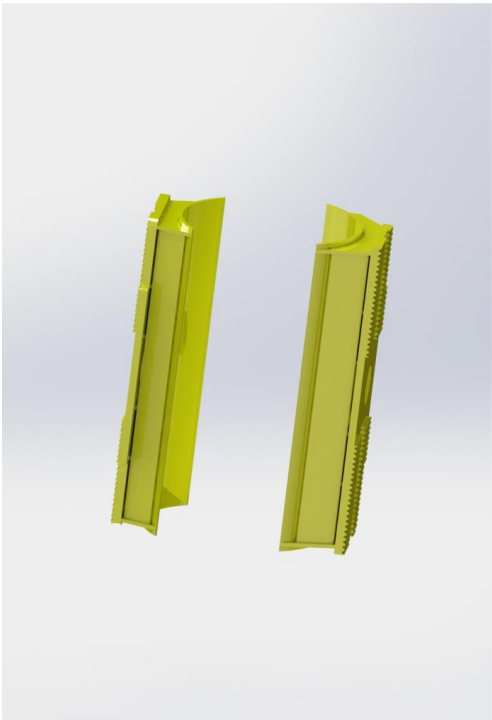
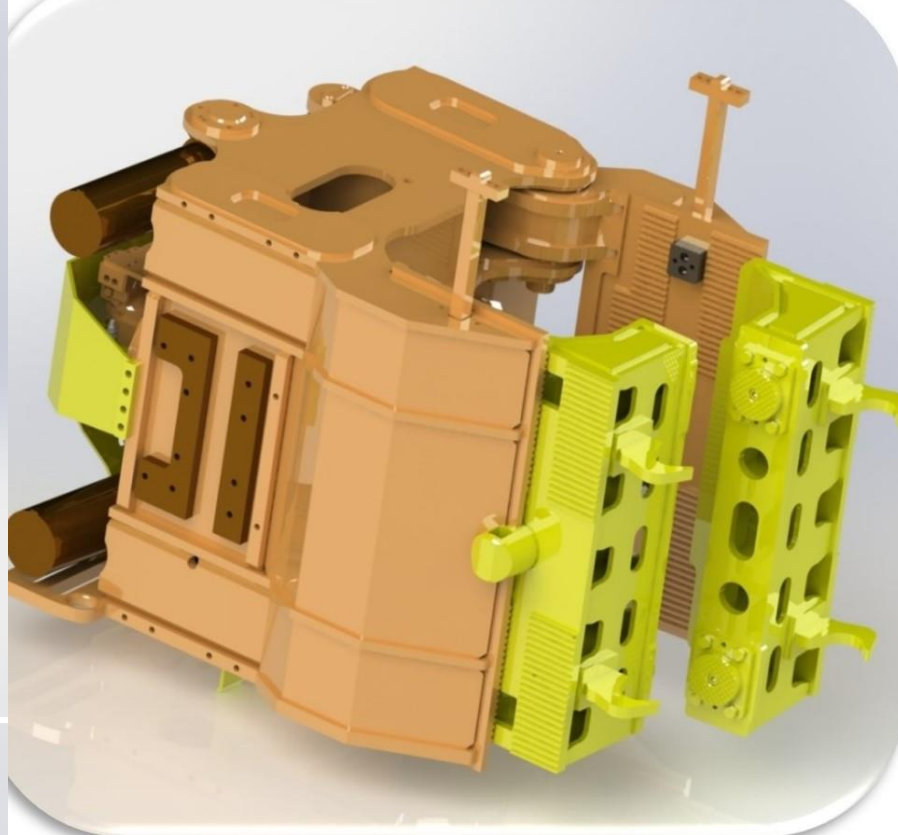
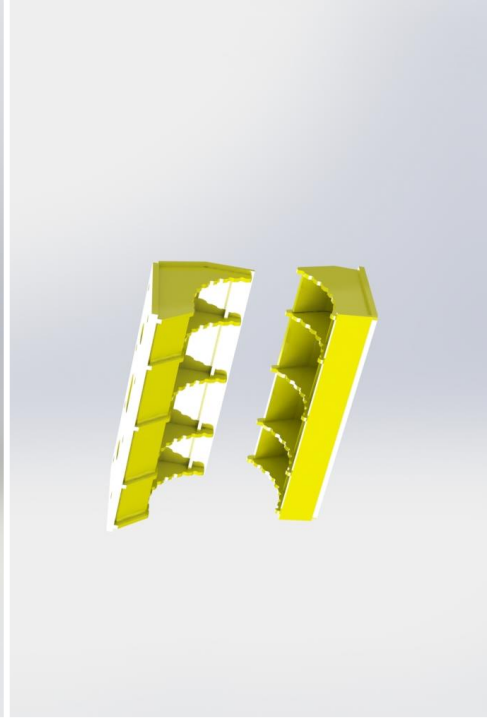
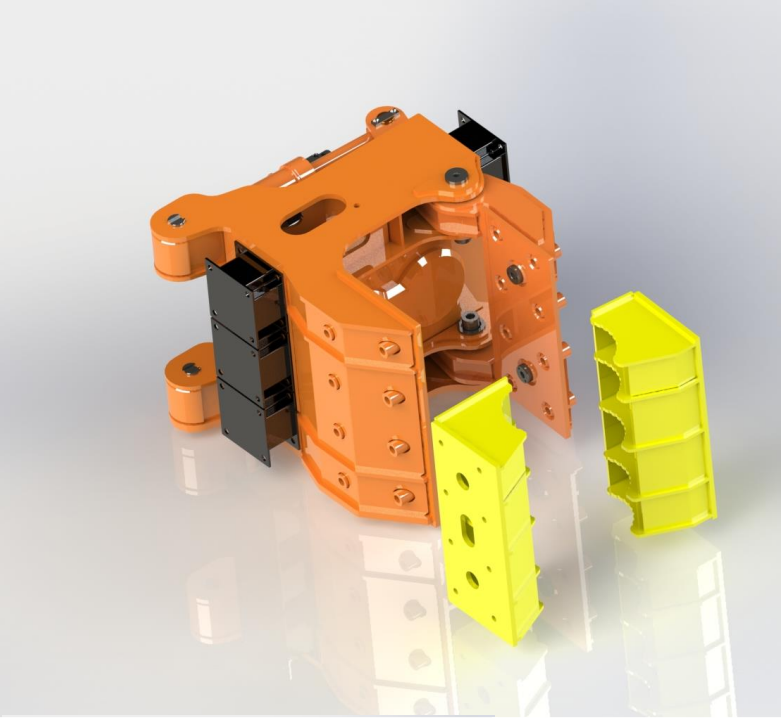
With our Patented New Generation Multipiler Sidegrip System you can drive different type of piling works from sheet piles, tube piles and H- beams to timber piles. And you can use up to Max Ø650 dia tubes. With this system you save a lot time on site while transforming a sheetpiler into tubular piler and it provides you much more stronger gripping power on arms due to the it's special surface and connection desing on arms.

With ''DOVETAIL SYSTEM '' has a large bonding surface that is more resistant to high pressure forces and also achieves a movable jaw configuration with an easily detachable and attachable mounting construction. By this system you do not need lots of pins and bolts to connect the jaws on body of Vibro hammer

In the known systems/cases, a force is required to secure jaws assembled to the body of vibro hammer and it should also hold the profiles connected to the jaws securely against to vertical forces during piling works. In order to meet these forces, a large number of fasteners were needed, which would meet the cutting/breaking forces required for the jaws to remain rigid on the body of vibro hammer. With our New Dovetail System these problems are completely eliminated.

PARS SGM MULTIPLIER CHANGEABLE CLAMP SYSTEM

www.smsvibro.com



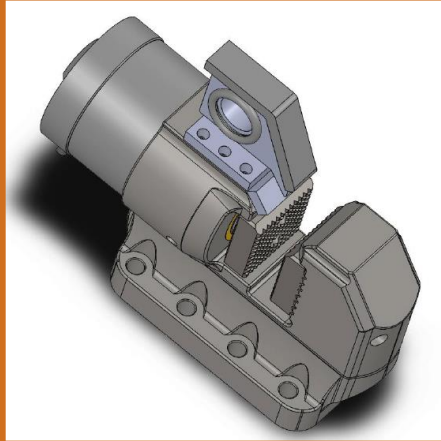
PARS SGM MULTIPLIER CLAMP SERIES

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STANDART BOTTOM CLAMPS

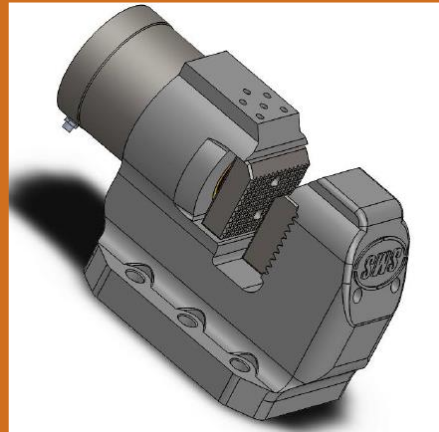
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S-CN-450

45 TON

300 BAR



S-CN-500

50 TON

300 BAR



S-CN-600

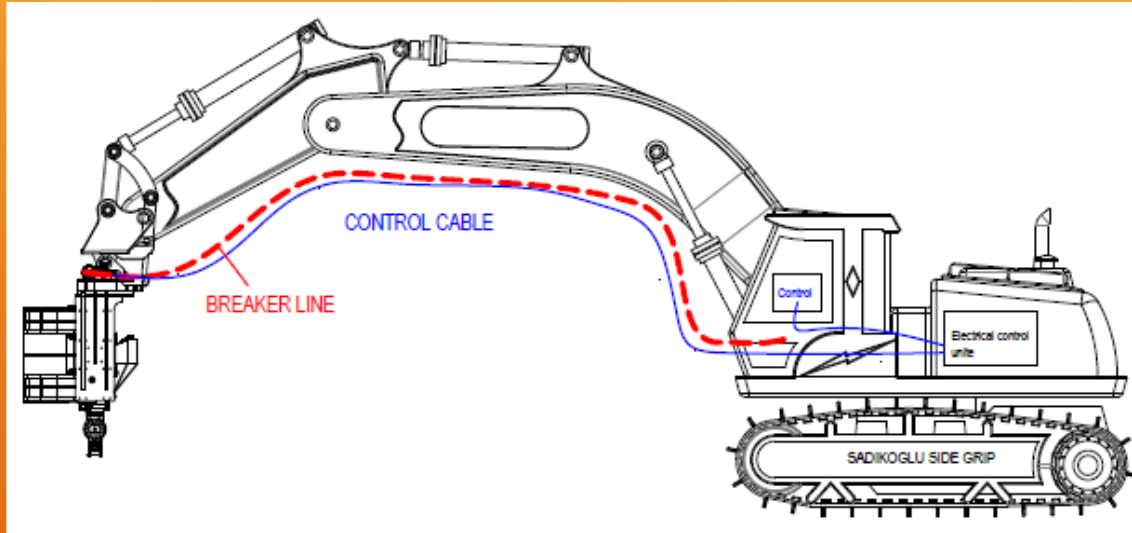
60 TON

300 BAR

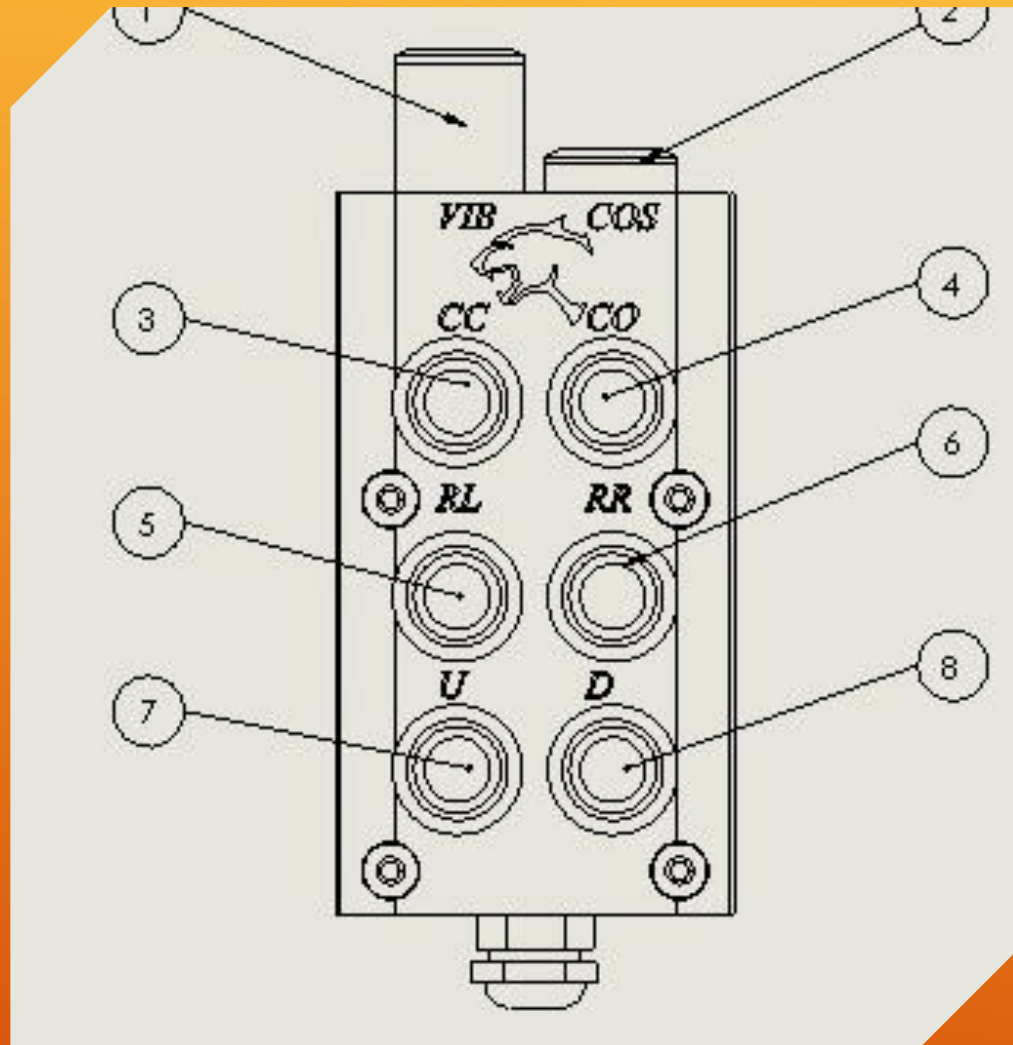
HYDRAULIC SYSTEM

www.smsvibro.com





INSTALLATION



JOYSTICK CONTROLLER

CONTROL CONSOLE		
NO	Button Symbol	Function
1	VIB	VIBRATION
2	COS	CLAMP OPEN SAFETY
3	CC	CLAMP CLOSE
4	CO	CLAMP OPEN(you must push button 2 with 4)
5	RL	ROTATE LEFT
6	RR	ROTATE RIGHT
7	U	UP
8	D	DOWN

SMS excavator mounted Vibro hammers allow to easily drive or extract a variety of profiles, such as:

- ▶ Sheet piles,
- ▶ H beams,
- ▶ Casings,
- ▶ Tubes with it's specially designed clamps
- ▶ Concrete piles and wooden piles.

With ergonomic design and high performance, various capacity **SMS Excavator Mounted Vibratory Hammers** provide long life pile driving application.

SMS Excavator mounted vibro hammers designed with high mobility and cost performance and can be used as attachments on the arms of hydraulic excavators. Unique designed **SMS S series excavator mounted vibratory hammers** are easily adapted to the excavator by connection bracket produced by SMS .

SMS EMV SERIES VIBRATORY HAMMERS



SMS S-10

S-10	
Eccentric Moment (Kgm)	0,7
Centrifugal Force (kN)	90
Speed (d/d) Max.	3000
Max. Pulling Force (kN)	36
Max. Pushing Force (kN)	34
Dynamic Weight (kg) (with clamp)	350
Weight (kg)	510
Total Length (mm)	885
Total Width (mm)	490
Total Height (mm)	1080
Debi/Flow (Lt/min)	100
Working Pressure (bar)	350
Power (kW)	60
Oil Pump	-
Number of Cylinders	-

SMS S-20

S-20	
Eccentric Moment (Kgm)	2,2
Centrifugal Force (kN)	250
Speed (d/d)	3150
Max. Pulling Force (kN)	60
Max. Pushing Force (kN)	40
Dynamic Weight (kg)	600
Weight (kg)	850
Total Length (mm)	1100
Total Width (mm)	1025
Total Height (mm)	625
Flow (Lt/min)	95
Working Pressure (bar)	300
Power (kW)	61
Hydromotor	F12-30

SMS S-30

	SMS EMV S 30
Eccentric Moment (Kgm)	3
Centrifugal Force (kN)	310
Speed (d/d)	3000
Max. Pulling Force (kN)	60
Max. Pushing Force (kN)	40
Dynamic Weight (kg)	600
Weight (kg)	850
Total Length (mm)	1100
Total Width (mm)	1025
Total Height (mm)	625
Flow (Lt/min)	120
Working Pressure (bar)	300
Power (kW)	70
Hydromotor	F12-40
Suitable Excavator Class	14-20 Tons

SMS S-40

	SMS EMV S S40
Eccentric Moment (Kgm)	4
Centrifugal Force (kN)	370
Speed (d/d)	2800
Max. Pulling Force (kN)	120
Max. Pushing Force (kN)	80
Dynamic Weight (kg)	940
Total Weight (kg)	1230
Total Length (mm)	1000
Total Width (mm)	1400
Total Height (mm)	700
Flow (Lt/min)	171
Working Pressure (bar)	300
Power (kW)	85
Hydromotor	F12-60
Oil Pump	-

SMS S-60

SMS EMV S 60	
Eccentric Moment (Kgm)	6
Centrifugal Force (kN)	440
Speed (d/d)	2500
Max. Pulling Force (kN)	120
Max. Pushing Force (kN)	80
Dynamic Weight (kg)	1000
Total Weight (kg)	1350
Total Length (mm)	1000
Total Width (mm)	1400
Total Height (mm)	750
Flow (Lt/min)	204
Working Pressure (bar)	300
Power (kW)	119
Hydromotor	F12-80
Oil Pump	-
Suitable Excavator Class	24-32 tons

SMS S-80

SMS EMV S 80	
Eccentric Moment (Kgm)	8
Centrifugal Force (kN)	604
Speed (d/d)	2500
Max. Pulling Force (kN)	175
Max. Pushing Force (kN)	90
Dynamic Weight (kg)	1780
Total Weight (kg)	2150
Total Length (mm)	1190
Total Width (mm)	1650
Total Height (mm)	800
Flow (Lt/min)	275
Working Pressure (bar)	300
Power (kW)	165
Hydromotor	F12-110
Oil Pump	-
Suitable Excavator Class	32 tons and Over



SMS S-120

SMS EMV S 120	
Eccentric Moment (Kgm)	12,3
Centrifugal Force (kN)	750
Speed (d/d)	2350
Max. Pulling Force (kN)	180
Max. Pushing Force (kN)	160
Dynamic Weight (kg)	1500
Total Weight (kg)	2600
Total Length (mm)	1700
Total Width (mm)	1850
Total Height (mm)	475
Flow (Lt/min)	290
Working Pressure (bar)	300
Power (kW)	175
Hydromotor	F12-110
Oil Pump	-
Suitable Excavator Class	40 tons and over



SMS VIBRATORY HAMMERS



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