



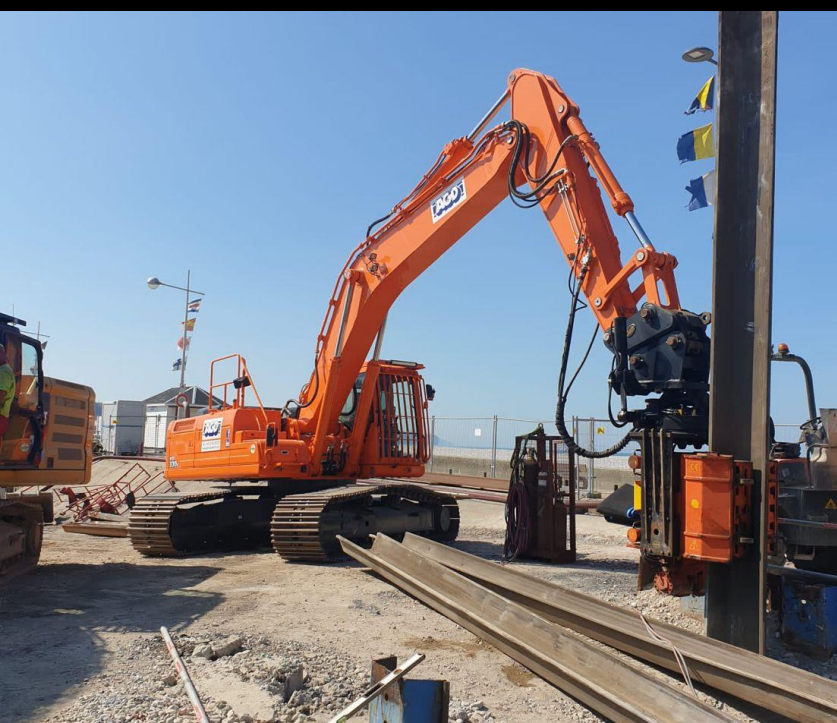
TRIDENT BARGE & PILE

www.TridentEquip.com

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Installation is a breeze in conjunction with a quick coupler. Simply hook into the vibro with your machines pin-grabber, connect the 3 hydraulic lines, plug in the one electronics cable and you're ready to work!

With 360° rotation and a 30° tilt you can manipulate the pile in any direction without the need for secondary machines or laborers. Clamping the pile from the side allows the excavator operator the ability to safely clamp and move the pile into position. Again, there is no longer a need for laborers to hook-up and swing the pile with a tag line.

SMS's proprietary gear box is designed for increased oil circulation allowing for increased oil cooling and decreased gear friction. All internal and external motors, solenoids and wear parts are readily available in the States as well as stocked at Trident's two locations.

Owning an SMS side-grip pile driver is a total game changer. The ability to grab and drive piles with no additional personal, manipulate the pile as you're driving it, better site access with any sized excavator and industry leading support gives you the tools to succeed where others simply cannot compete.



SIDE GRIP MULTIPLIER- "SGM"

SGM series side-grip pile drivers are designed to easily be able to switch from a variety of pile profiles.

Sheet - H-beam - Pipe/tube - Timber

SMS PARS SGM 15

SMS PARS SGM 30

SMS PARS SGM 40

SMS PARS SGM 60

SMS PARS SGM 80

SMS PARS SGM 100



SMS PARS SGM 15

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



Timber clamps

SMS PARS SGM 30

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

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

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	

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SMS PARS SGM 80

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- EMV or "HANGING" VIBROS

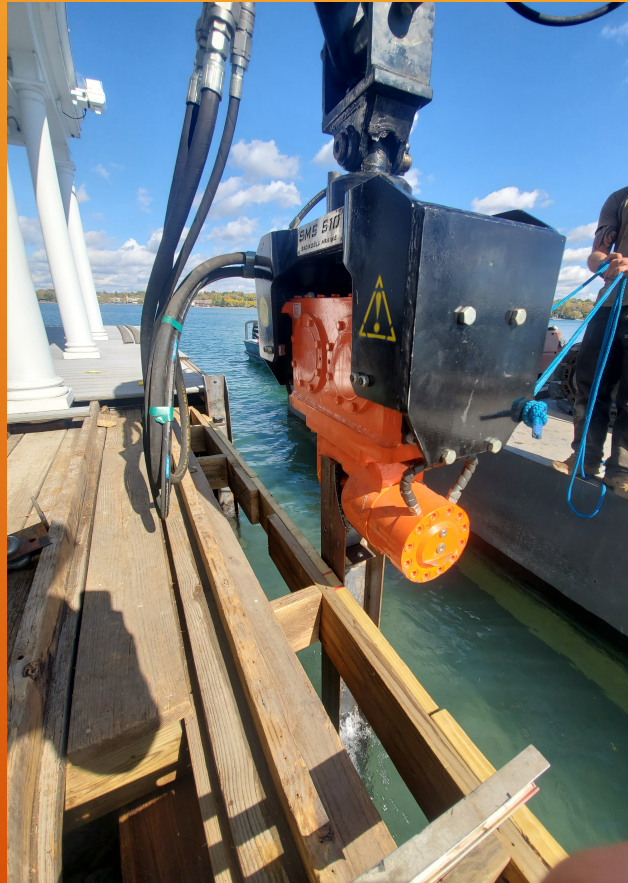
EMV vibros allow for easy driving and extracting of all pile profiles:

Sheet piles

H-beam

Tube and pipe

Timber and concrete



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 Lenght (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 Lenght (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 Lenght (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 Lenght (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