

The Hammerman Equipment



EMS Series Piling Vibrators including
The evolved mini hammer - The ESF03



Quieter than air hammers

Can drive and extract sheets

No lubrication pollution

Compact and moveable power source

Suitable for plastic piling

Handheld Hammers
Plastic Piling Mandrels
EMS Series Piling Vibrators

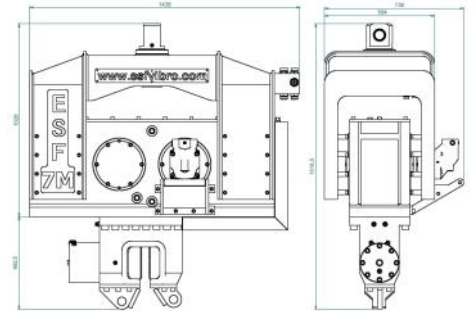
Tel: 01543 677290 . 0845 7 519519 07775 710648 @thehammermanco
www.plasticpiling.co.uk

EMS Series Mini Piling Vibrators

The sight of small air hammers driving trench sheeting on the UK waterways is an established method entrenched in the history of the inland waterways. They are available in small sizes, effective and easy to use; but with high noise levels and polluting lubricant, continued use is primarily a direct result of the lack of alternative, more modern means of driving trench sheeting and plastic piling.

With this in mind The Hammerman is extremely pleased to broaden our portfolio, of innovative pile driving equipment, by adding the EMS range of vibrators. These include excavator mounted and suspended models, high and standard frequency models are also represented in the range. The range is expanding continuously, both in terms of the smallest and largest offerings. This stands the EMS group apart from their competition, never before have we encountered a supplier so willing to develop products to suit the customer requirements. The result on this is a very impressive range The starting with the worlds smallest vibrator, the ESF03 weighing 160 kgs and offering a 3 tonne force to one of the worlds largest, the ESF200CB weighing in at over 20 tonnes with 454 tonnes force. Whilst work continues on an even small unit, the ESF01, the range still boast 5 sizes all under 1 tonne in weight, and it is these that are the focal point of our range.

The majority of the range are B design, with the elastomers mounted on top of the vibration generator, however, due to customer request models 6, 7, 8 and 12 are now available in a M design, a shorter design with elastomers around the vibration generator.



Key to our range is the ESF03 unit, which not only is the worlds smallest unit, but can be excavator mounted or suspended and run off a separate small powerpack. The key feature of the ESF03 is the small size of the powerpack. The ESF03 can be run of a standard 30 litre powerpack, and so provide an exceptionally portable pile driving combination. This combination has been introduced primarily for our riparian contractors, piling off workboats too small to accommodate a traditional powerpack vibrator or with insufficient connections or hydraulics to power our existing EMV's off the mounted boom or crane arm. The ESF03 is suited for use with 1-3 tonne mini excavators and so enable sites to work from the towpath rather than water side. This fact alone will make many more schemes viable, previously only serviceable by noisy air hammers.

Models ESF1-4 can also be excavator mounted, or run of a bespoke pack, the PS120, that provide up to 120 litre at 300bar and weighs 1.6 tonnes.



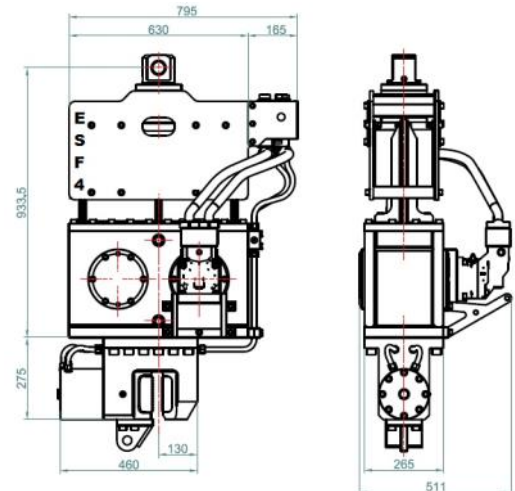
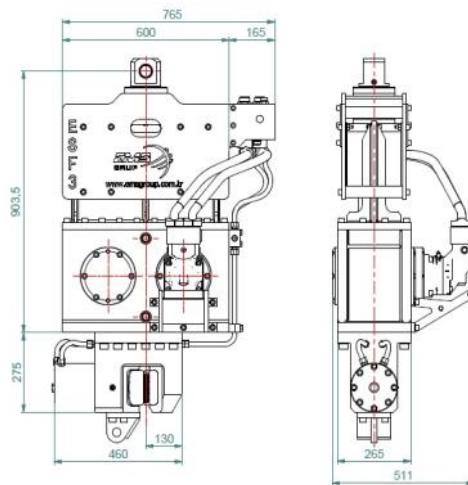
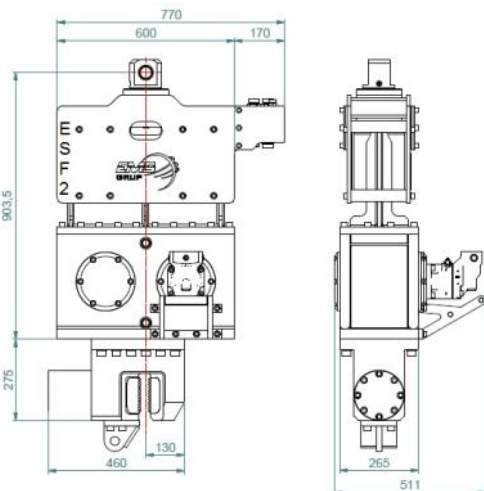
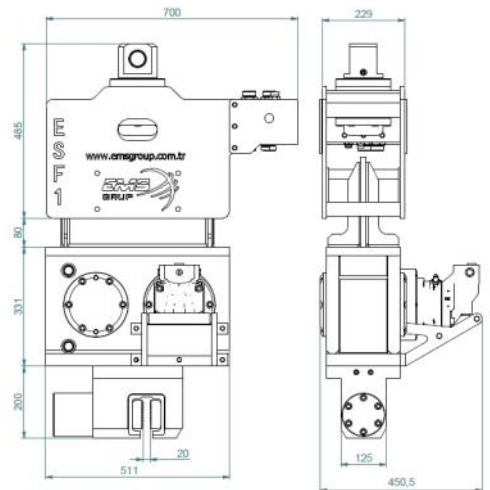
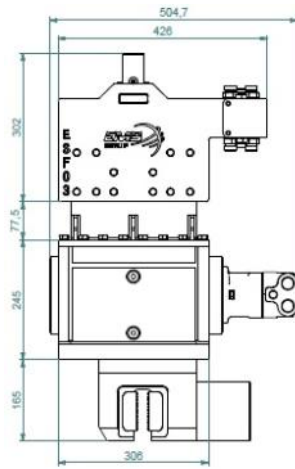
Model		03	1	2	3	4
Centrifugal force	kN	33	81	258.3	297	332
Eccentric Moment	kgm	0.33	0.9	2.3	3	4
Frequency	rpm	3000	3200	3200	3000	2750
Amplitude	mm	5.5	6.2	9.2	11.7	13.7
Total Weight	kg	160	375	610	635	810
Dynamic Weight	kg	120	290	495	515	585
Power	kW	8.8	27.9	60	60	60
Flow	l/min	30	57	110	110	110
Pressure	bar	150	210	320	320	320
Max crowd force (Push)	kN	10	20	40	40	40
Max Line Pull	kN	15	30	60	60	60

Other Models available upon request
High frequency units suspended or
excavator mounted - with forces as high
as 94 tonnes (Model 12).

ESF No.6,7,8 & 12 available in B and M
Designs.

Standard Frequency suspended units up
to 454 tonnes force (ESF200-C).

C designs incorporate bearing cooling
and greater reaction mass to facilitate
installation into clay soils.





The worlds smallest piling vibrators



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Unit 19 Cinder Road
 Zone 3 Burntwood Business Park
 Burntwood
 Staffs
 WS7 3FS

www.plasticpiling.co.uk
 @thehammermanco
 www.facebook.com/TheHammermanCo