

IAI

INTERNATIONAL ATTACHMENTS

MARINE WOOD POST PILE DRIVER

Excavator and skid steer mounted solutions for driving and extracting wood, concrete, and steel poles.

IMPERIAL SPECIFICATIONS

www.iai-usa.com | info@iai-usa.com

SINGLE VIBRATING MASS

MARINE WOOD POST PILE DRIVER - W1

Radial vibration distributes centrifugal force over 360 degrees.





MODEL RANGE | US CUSTOMARY UNITS

Model	Carrier US tons	A in	B in	C in	D in	Weight lb	Flow GPM	Pressure PSI	Force lbf
W1 9.0	1.1-2.2	18.9	14.4	8.3	11.4	159	6.1	2,900-3,191	2,023
W1 15.0	1.7-4.4	20.7	16.9	8.3	11.4	231	6.1-9.8	2,900-3,191	3,372
W1 27.0	4.4-7.2	26.8	21.3	10.7	15.6	412	11.9-18.2	2,900-3,191	6,070
W1 40.0	5.5-7.2	26.8	21.3	10.7	15.6	419	11.9-18.2	2,900-3,191	8,992
W1 65.0	7.7-16.5	33.1	24.2	13.1	20.3	728	18.2-26.7	2,900-3,191	14,613
W1 95.0	8.8-24.3	33.1	26.4	13.1	20.3	750	18.2-26.7	2,900-3,191	21,357

Hydraulic variants within each model may have different flow requirements.

Operating frequency: 35-36 Hz. Maximum back pressure: 218 psi.

A-D refer to the manufacturer dimension diagram. Confirm carrier hydraulics and mount fit before ordering.

Values converted from supplied manufacturer material; rounded for readability.

DOUBLE VIBRATING MASS

MARINE WOOD POST PILE DRIVER - W2

Vertical vibration concentrates the centrifugal force downward.





MODEL RANGE | US CUSTOMARY UNITS

Model	Carrier US tons	A in	B in	C in	D in	Weight lb	Flow GPM	Pressure PSI	Force lbf
W2 60.0	8.8-15.4	38.2	25.6	13.0	19.3	778	18.2-26.7	2,901-3,191	13,489
W2 80.0	11.0-16.5	38.2	25.6	13.0	19.3	798	18.2-26.7	2,901-3,191	17,985
W2 100.0	13.2-19.8	40.6	28.9	15.6	22.0	1,157	24.6-29.1	2,901-3,191	22,481
W2 120.0	15.4-22.0	40.6	28.9	15.6	22.0	1,175	24.6-29.1	2,901-3,191	26,977
W2 150.0	19.8-38.6	48.0	36.2	17.3	28.0	1,823	35.7	3,626-4,351	33,721
W2 180.0	22.0-44.1	48.0	36.2	17.3	28.0	1,845	35.7	3,626-4,351	40,466

Hydraulic variants within each model may have different flow requirements.
Operating frequency: 36 Hz. Maximum back pressure: 218 psi.

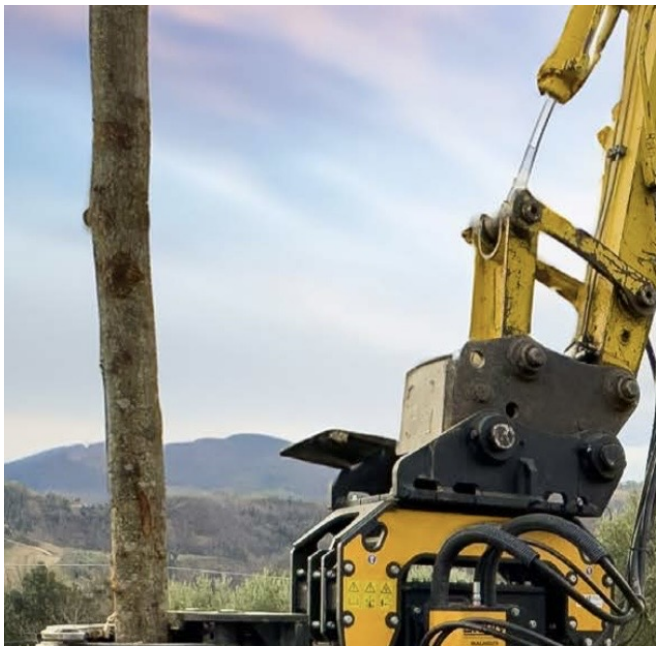
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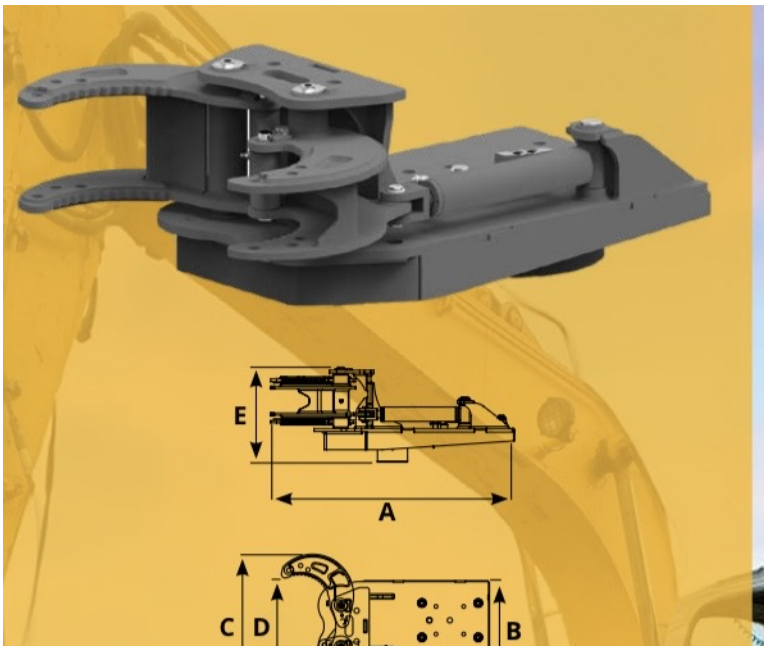
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POLE HANDLING

WOOD GRAPPLE + OPTIONS

Vibro driving and extraction of wood, concrete, and steel poles.





GRAPPLE DIMENSIONS | US CUSTOMARY UNITS

Model	A in	B in	C in	D in	E in	F dia. in	Weight lb
1.1-4.4 ton	31.9	15.0	22.0	14.8	12.2	1.4	165
4.4-7.2 ton	42.9	18.1	26.2	16.7	16.5	2.2	351
7.7-16.5 ton	62.0	27.8	34.3	22.0	20.5	5.5	805
8.8-22.0 ton	62.6	27.8	34.3	22.4	20.5	5.5	827
19.8-44.1 ton	68.1	27.8	34.3	22.0	20.9	5.5	838

Grapple hydraulic circuit: 2.6 GPM | 2,900 PSI

OPTIONAL KITS

- **01** Concrete / steel pole grapple accessory
- **02** Pre-hole drill for hard ground
- **03** Shock-absorbing rubber accessory for concrete poles
- **04** Toothed plate for wooden piles of varying diameters

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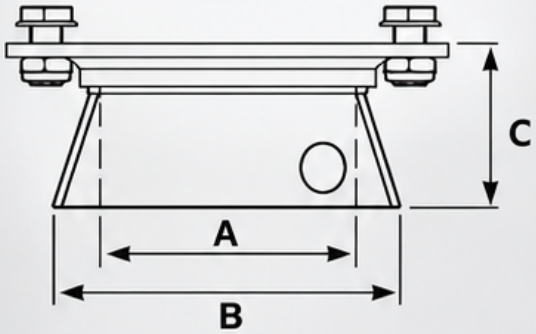
INTERNATIONAL ATTACHMENTS

BELL

POLE-CENTRING COLLAR

Designed for vibro-driving wooden, concrete and steel poles





Model	A (in)	B (in)	C (in)	Weight (lb)
BELL 150 – 1/4 ton	5.91	7.87	4.92	26.5
BELL 200 – 1/4 ton	7.87	9.84	4.92	37.5
BELL 150 – 4/6.5 ton	5.91	7.87	4.13	24.3
BELL 200 – 4/6.5 ton	7.87	9.84	4.92	44.1
BELL 250 – 4/6.5 ton	9.84	11.81	5.71	52.9
BELL 150 – 7/40 ton	5.91	7.87	4.13	37.5
BELL 200 – 7/40 ton	7.87	9.84	4.13	44.1
BELL 250 – 7/40 ton	9.84	11.81	4.92	48.5
BELL 300 – 7/40 ton	11.81	13.78	7.09	81.6
BELL 350 – 7/40 ton	13.78	15.75	7.09	94.8

WOODEN POLES | CONCRETE POLES | STEEL POLES

RELIABLE | DURABLE | FIELD PROVEN