



HAMMER & STEEL, INC.

Piling • Pile Driving Equipment • Drilling Equipment

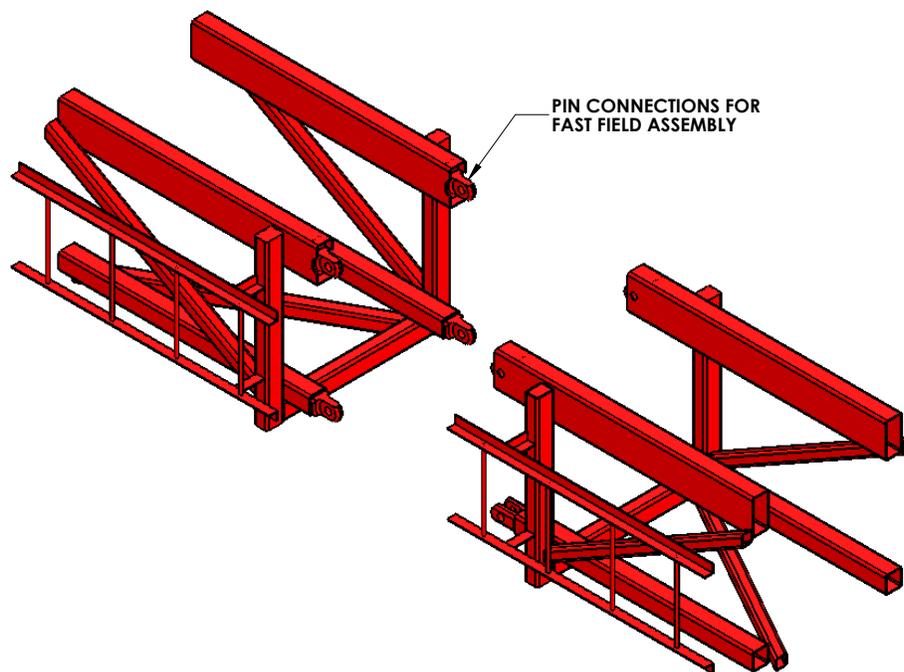
Swinging Leads

Swinging leads provide guidance for the pile hammer and for the driven pile. This basic package is suspended from a crane line, maintaining a plumb or battered position.

Swinging leads are comprised of three basic sections: Tapered top section, Mid-sections, and Stab section.

Hammer & Steel Swinging Leads include the following features:

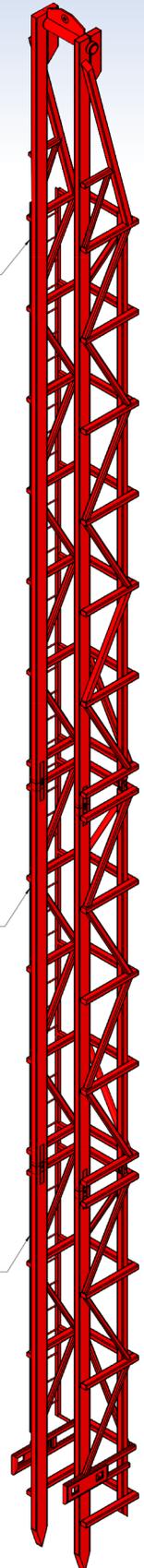
- Pin connections for fast assembly.
- Side-mounted ladders spaced out from the side of the leads for safe climbing.
- Section designs and selected materials are optimized for high strength and light weight.
- Tapered top section with single swiveling lifting point.
- Sections are available in a variety of lengths to meet your requirements.
- Reinforced stabbing points.
- Manual pile gate assembly.



TAPERED
TOP SECTION

MID-SECTION

STAB SECTION



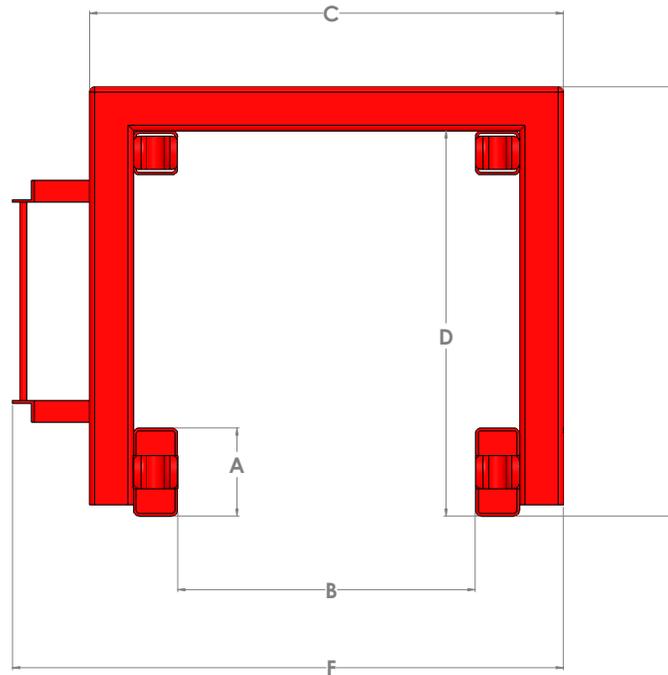
Caution: Hammer & Steel Swinging leads are designed and intended for typical applications including diesel pile hammers, lead lengths not exceeding 100', or batter conditions ranging from plumb to max. of 1:3 (17 degrees off vertical). Applications including heavier air or hydraulic hammers, lead lengths exceeding 100', or batter conditions exceeding 1:3 should be reviewed to confirm the adequacy of the leads. Lead failure can result in physical harm and property damage.



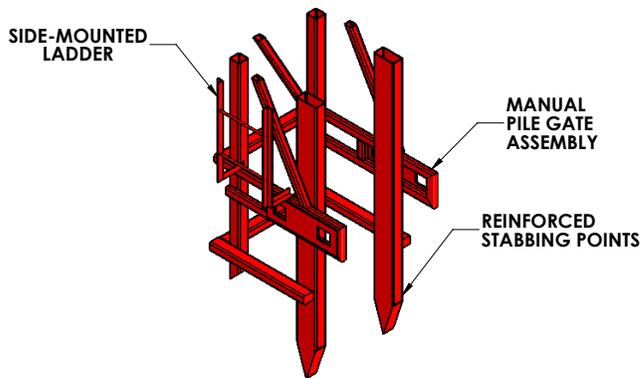
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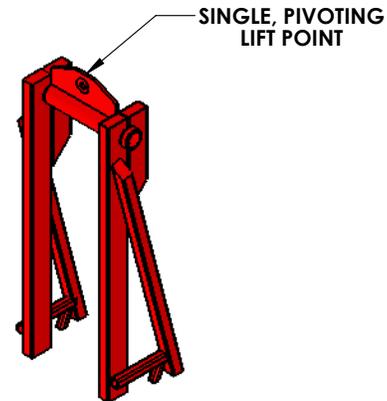
Swinging Leads



Lead Sizes	Avg. Wt. Ft.	A	B	C	D	E	F
8 x 21"	115	8.00	21.50	37.50	30.00	34.00	45.50
8 x 27"	135	8.00	27.00	43.00	35.00	39.00	50.00
8 x 32"	175	8.00	32.50	50.50	34.75	38.75	58.50
8 x 43"	210	8.00	43.50	61.50	45.50	50.50	69.50



Stab Section



Tapered Top Section