ICE[®] Sliding, Extended Leads

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Sliding, extended leads have all of the features of fixed, extended leads. In addition, sliding leads may be raised or lowered vertically approximately 35 feet independent of the boom position. Also, the leads may be rotated 45° each way about their longitudinal axis. The added features provide a number of operating advantages, enabling:

Leads to be raised or lowered in any batter position.

Driving of longer piles by raising leads at start of driving, later lowering to cut-off elevation.

Hammer to be guided to cut-off elevation regardless of boom position.

Leads can be lifted clear of obstructions.

Crane to sit on ground higher than pile area and leads to reach cut-off elevation.

Crane to sit on ground lower than pile area with out leads interfering with ground.

Leads to be supported on the ground where desired for long reaches or extra heavy piles or hammers.

Pile hammer to be mounted by first raising and then lowering the lead into the hammer guides, eliminating the need to use a hole in the ground or to unbolt the hammer guides.

Sliding, extended leads require a three-line crane (leads, hammer and pile). The spotter being used must permit lead rotation. Maximum speed, control and accuracy are possible in positioning the leads. Fore-aft, side-to-side, vertical and rotational adjustment is possible. However sliding leads are more expensive and require the most time to set up.





SLIDING, EXTENDED LEADS COMPONENTS

The components which make up ICE sliding, extended leads are shown above.

A sliding section accepts the sliding boom-point connector box to provide 35 feet of vertical movement of the leads at the boom-point. A second sliding section accepts the spotter sliding box to permit the spotter to be positioned within a 30-foot vertical range at the bottom of the leads. The lead hanger box attaches at the top of the lower 40-foot sliding section to provide an attach point for the leads lifting line.

Multiple 8 and 16 foot intermediate sections may be used between and outside of the 40' sliding sections to permit the use of various lengths of leads and boom.

The boom-point connector which connects the crane boom to the boom-point connector box allows movement in six directions-fore & aft, side-to-side and leads rotation each way.

The rooster sheave swivels in all directions to allow for the six-way movement of the leads at the boom-point.

The spotter connects to the leads to allow six-way movement at the bottom of the leads. Optional powered lead rotation is available with Model 155 and 225 spotters.

The headblock, which carries the crane lines over the top of the leads, is available with either 4 or 6 sheaves to handle 2 or 3 lines.

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A		20 in.	26 in.	32 in.	42 in.		– B —
		leads	leads	leads	leads		
	А	39.5	45.5	52.5	68.5		
	В	35.5	41.5	48.5	64.5		
E III	С	28.5	34.5	40.5	54.5		
C	D	20.5	26.5	32.5	42.5	Ė	6
	Е	18.8	20.8	31	35		- C —
	F	8	8	8	8		D
	G	34.1	36.1	48.6	53.8		– u —



6

32 in

1,000

Sliding leads components		32 in	36 in	CAUTION				
4' Intermediate section			-	ICE [®] leads are designed and built for normal				
8' Intermediate section	947	1,427	1,520	hammers piles and driving con	onditions. If			
16' Intermediate section	1,660	2,648	3,272	unusual hammers, piles or driving conditions				
40' Intermediate section	4,146	6,353	7,596	specific job situation arises, contact ICE before				
2' Fixed boom-point section	670	-	-	proceeding with pile driving operations.				
3' Fixed boom-point section		1,563	-					
40' Fixed boom-point section	-	9,157	11,070					
Boom-point connector - 2 axis	1,150	1,150	1,150					
Roosted sheave (3 lines x 8" sheaves) - 2 axis	150	150	150	Pile gates	26 in	32		
Roosted sheave (3 lines x 8" sheaves) - 3 axis	200	200	200	Pile gate arms without rollers	800	1,0		
Roosted sheave (3 lines x 18" sheaves) - 2 axis	500	500	500	Rollers for 12" pile - set of 8	280	-		
Headblock (4 Sheaves for 2 lines)	1,200	1,400	1,490	Rollers for 14" pile - set of 8	240	-		
Headblock (6 Sheaves for 3 lines)	1,330	1,530	1,620	Rollers for 16" pile - set of 8	200	32		
Headblock with auger bracket (2 lines plus auger line)	1,750	2,000	-	Rollers for 18" pile - set of 8	160	28		
Side auger guides (weight per foot)	33	33	33	Rollers for 20" pile - set of 8	-	24		
Connecting bolts (weight per connection)	13	28	37	Rollers for 22" pile - set of 8		20		
16' long sliding box track with clamp-plates, bolts, nuts	-	1,075	1,423	Rollers for 24" pile - set of 8	-	16		
Sliding boom point box	-	897	1,115					
Lifting box with 3 sheaves	-	448	616					
Spotter sliding box	-	361	438					





ICE[®] sells and rents a full line of standard pile hammers, leads and accessories to meet a wide variety of job requirements. In addition, ICE® engineers and production team are fully qualified to design and build special leads & accessories to meet unique and difficult job specifications.

An efficient, productive lead set-up is key to a profitable pile driving operation. Experienced ICE® team members are available to insure that the proper components are provided to achieve the optimum arrangement for each job.

CONSTRUCTION EQUIPMENT, INC. NTERNATIONAL 301 WAREHOUSE DRIVE MATTHEWS, NC 28104 888 ICE-USA1 | WWW.ICEUSA.COM