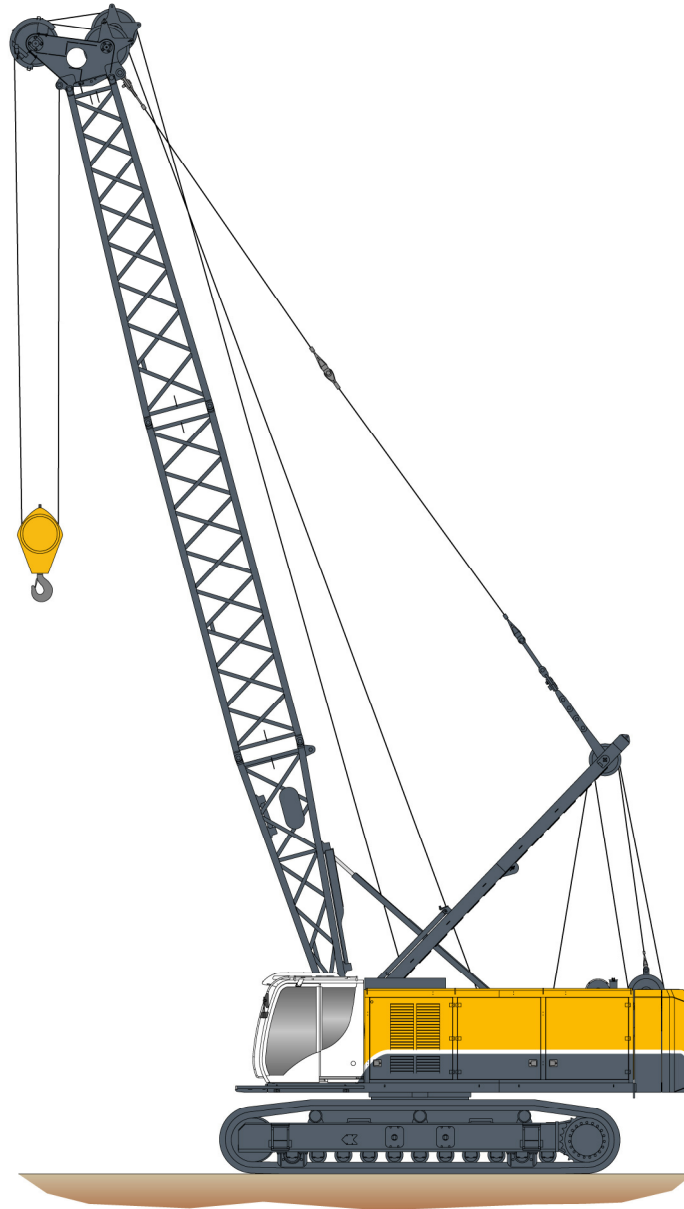


Instruction manual

MC 64 # 0251



Translation of the original instruction manual

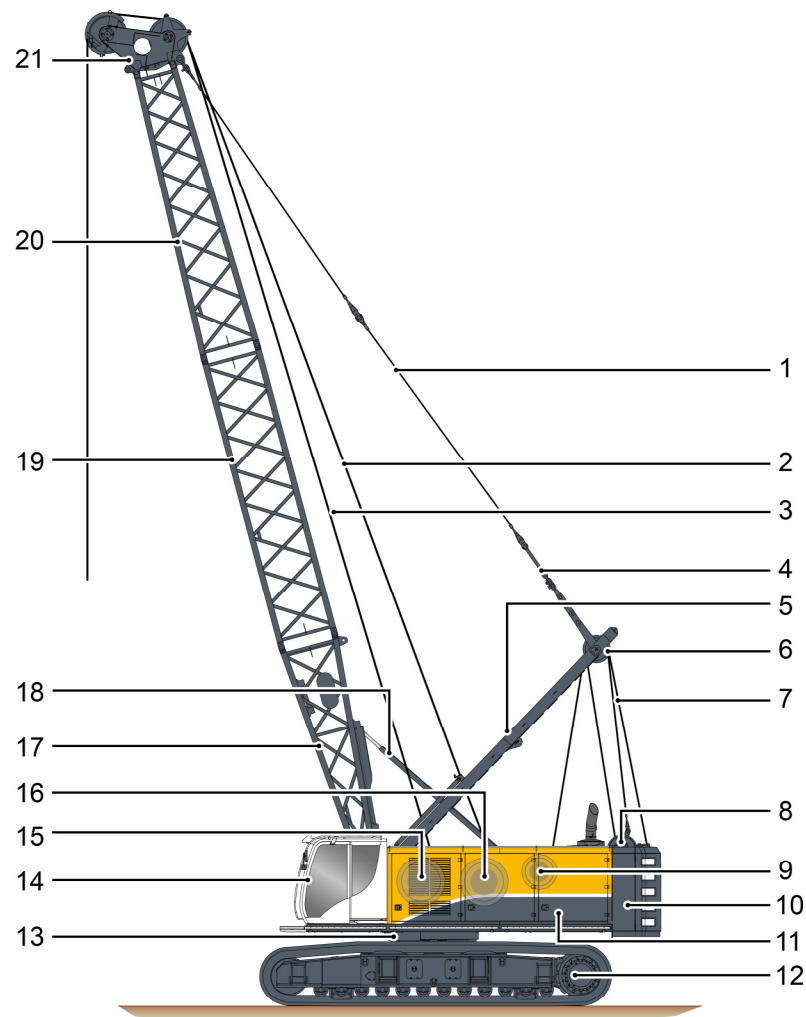
V01_en_06.2016



2 Product description

2.3 Equipment overview

2.3.1 Base machine with A-frame



- | | | | |
|----|------------------------------------|----|-----------------|
| 1 | Backstay strand | 12 | Undercarriage |
| 2 | Main rope 1 | 13 | Swing mechanism |
| 3 | Main rope 2 | 14 | Cab |
| 4 | Backstay piece | 15 | Main winch 2 |
| 5 | A-frame | 16 | Main winch 1 |
| 6 | Roller block on the A-frame | 17 | Boom butt |
| 7 | Boom adjustment rope | 18 | Boom stops |
| 8 | Roller block on the upper carriage | 19 | Boom insert |
| 9 | Boom adjustment winch | 20 | Boom top |
| 10 | Counterweight | 21 | Boom head |
| 11 | Upper carriage | | |

2 Product description

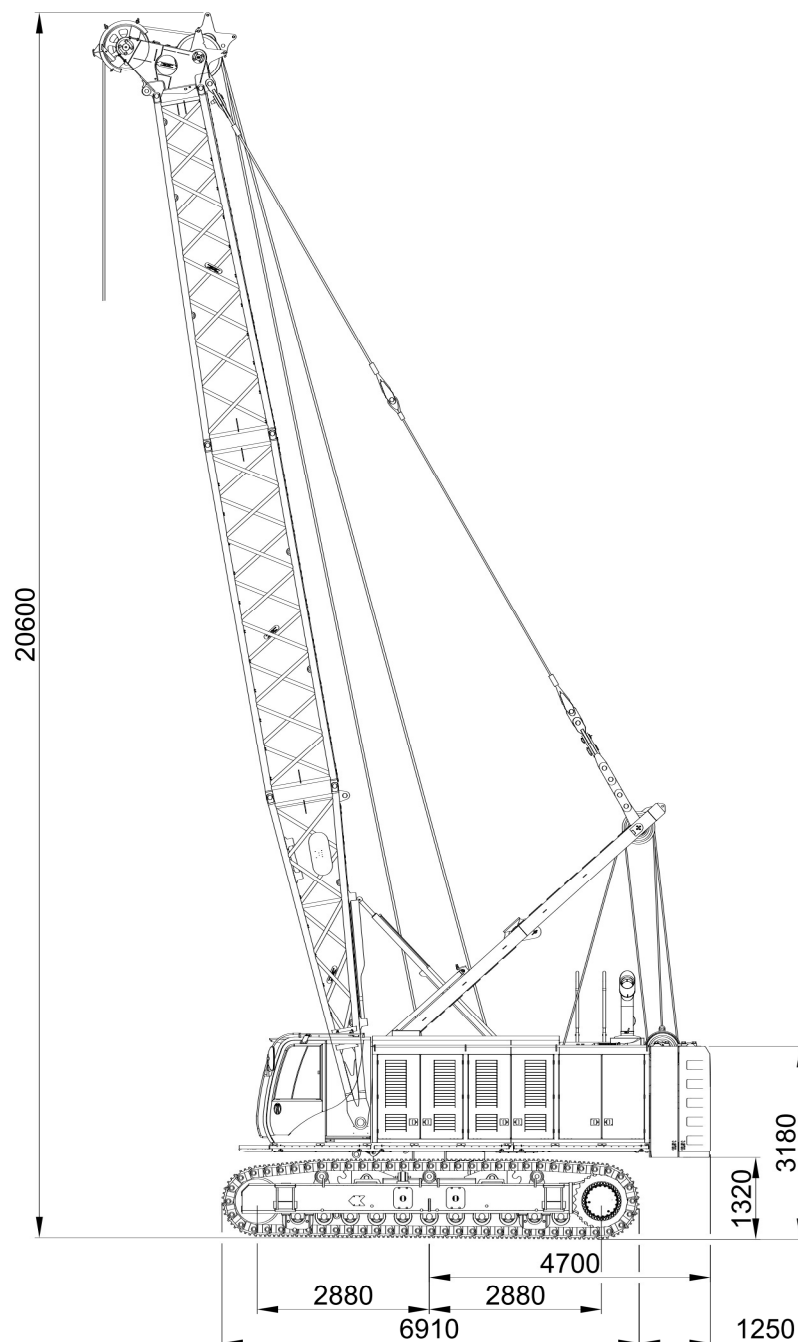


Components	Function
Crawler tracks	Transmit the drive movement of the crawler drive.
Crawlers	Enable movement of the equipment.
Telescoping cylinders	Enable extension and retraction of the crawlers.
Locking mechanisms	Locking the crawlers in the retracted position on the middle bridge.

2.4 Specifications

2.4.1 Dimensions

Dimensions in [mm]



2 Product description

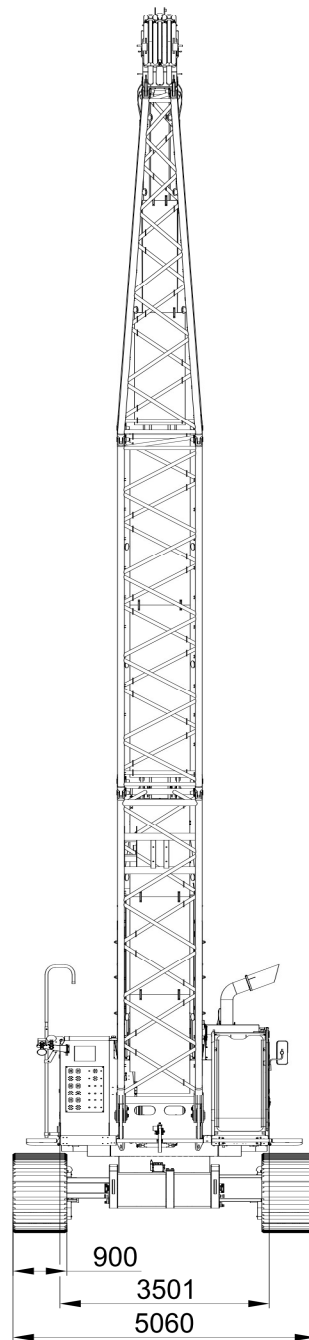


Figure with 18.4 m boom

2 Product description



2.4.2 Equipment specification

⚠ WARNING Danger of equipment tipping over!

The total weight of the equipment may differ from the service weight of the basic version depending on the attachment variants used. If the attachment variants and the resulting total weight of the equipment are not observed, the equipment can tilt and fall over. This could result in serious or fatal injuries to persons in the vicinity of the equipment.

- △ Observe the applicable total weight in relation to the service weight of the basic version and the corresponding attachment variants of the equipment.

Complete equipment

Type	MC 64
Serial number	0251
Service weight in basic version [t]	approximately 105

Basic version
AC undercarriage (middle bridge)
2 x AC crawlers with 900 mm floor plates
2 x 250 kN hoist winches
1 x 160 kN boom adjustment winch
Counterweight 25.0 t (2 x 12.5 t)
Boom configuration 18.4 m (boom butt; 6.0 m boom insert, boom head, boom top and associated guy ropes) including A-frame
2 x main ropes (Ø 32 mm; l = 95.0 m) and 1 x boom adjustment rope (Ø 22 mm; l = 140.0 m)
100.0 t pulley block (main rope Ø 32 mm; 2-roll)

The valid total weight results from the service weight in the basic version and the corresponding designs/attachment variants (see the following table).

Attachment variants	Weight
Second swing mechanism [t]	0.5
2 x 250 kN free-fall winches [t] *	1.0
Main rope Ø 32 mm [t/m] **	0.0055
Additional counterweight [t]	5.0
Attachment counterweight (1 pair) [t]	5.0 each
Counterweight on the crawlers [t]	1.0 each
Upper carriage walking platform without handrail [t]	0.25
Upper carriage walking platform with handrail (side steps) [t]	0.65
Upper carriage walking platform with handrail (stair) [t]	1.0
Upper carriage - On Top-handrail [t]	0.13
3.0 m boom insert (including guy ropes) [t]	1.0 each
6.0 m boom insert (including guy ropes) [t]	1.7 each

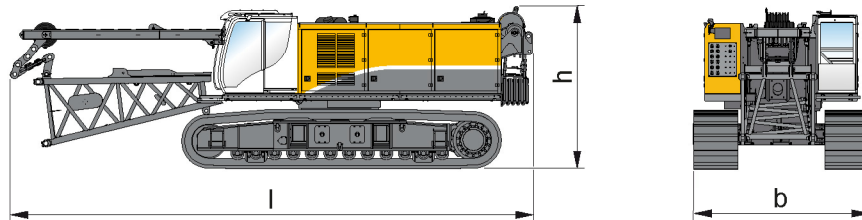
6 Transport

6.3 Transport data

6.3.1 Base machine

Base machine with crawlers and boom butt

Dimensions



Dimensions [mm]:

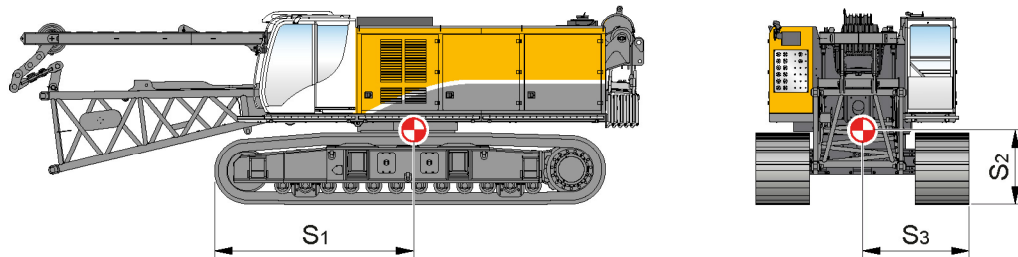
Length	(l)	11610
--------	-----	-------

Width	(b)	3500
-------	-----	------

Height	(h)	3520
--------	-----	------

Weight [t]: 72.5

Center of gravity



Dimensions [mm]:

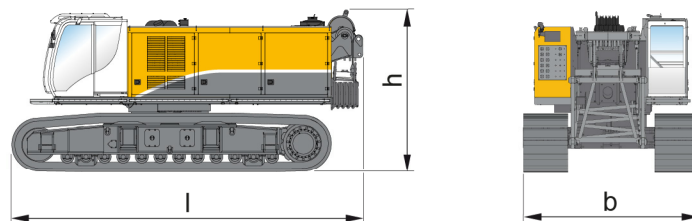
(S1)	3655
------	------

(S2)	1470
------	------

(S3)	1750
------	------

Base machine with crawlers but without boom butt

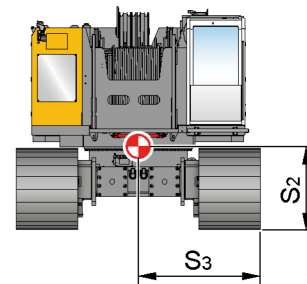
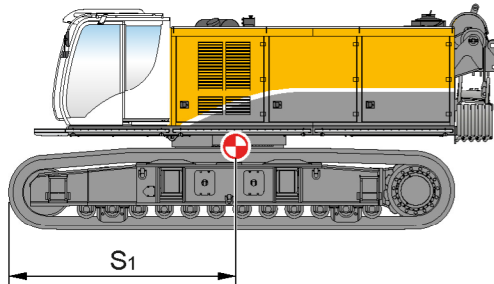
Dimensions



6 Transport

Dimensions [mm]:	Length	(l)	7860
	Width	(b)	3500
	Height	(h)	3520
Weight [t]:			68.3

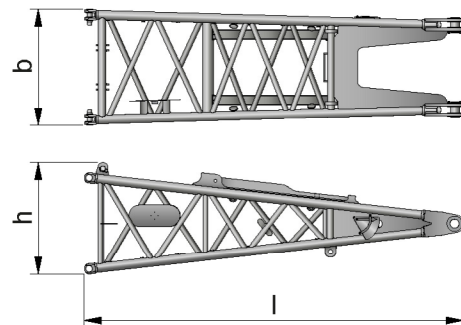
Center of gravity



Dimensions [mm]:	(S1)	3852
	(S2)	1360
	(S3)	1750

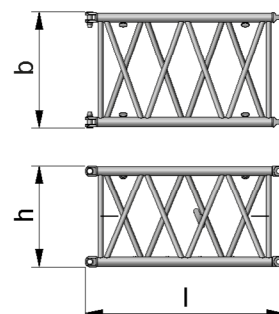
6.3.2 Attachment Boom butt

Dimensions [mm]:	Length	(l)	5820
	Width	(b)	1480
	Height	(h)	1370
Weight [t]:			2.2



3 m boom insert

Dimensions [mm]:	Length	(l)	3130
	Width	(b)	1420
	Height	(h)	1220
Weight [t]:			0.9

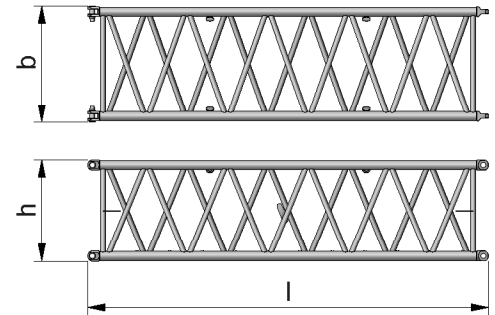


6 Transport



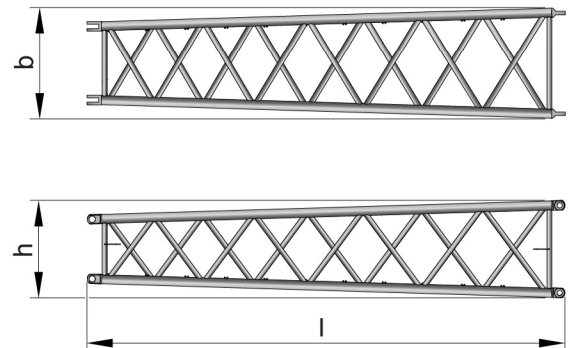
6 m boom insert

Dimensions [mm]:	Length (l)	6130
	Width (b)	1420
	Height (h)	1220
Weight [t]:		1.55



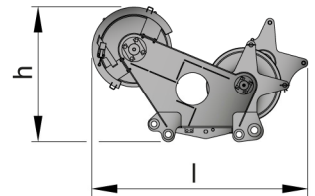
Boom top

Dimensions [mm]:	Length (l)	6030
	Width (b)	1420
	Height (h)	1220
Weight [t]:		1.3



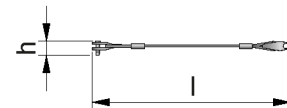
Boom head

Dimensions [mm]:	Length (l)	2410
	Width (b)	810
	Height (h)	1430
Weight [t]:		1.1



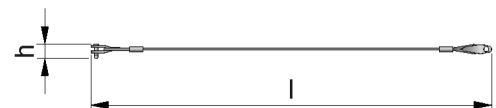
3 m boom insert guy ropes

Dimensions [mm]:	Length (l)	3165
	Height (h)	166
Weight [t]:		0.1



6 m boom insert guy ropes

Dimensions [mm]:	Length (l)	6165
	Height (h)	166
Weight [t]:		0.15

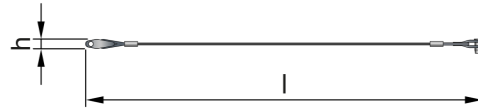


6 Transport



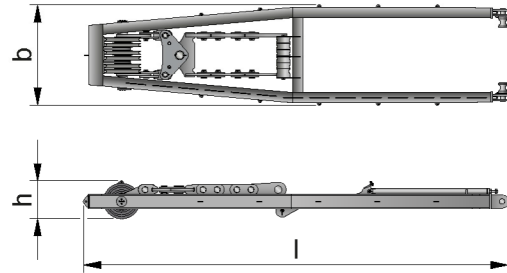
Boom top guy rope

Dimensions [mm]:	Length (l)	6260
	Height (h)	140
Weight [t]:		0.2



A-frame

Dimensions [mm]:	Length (l)	6500
	Width (b)	1550
	Height (h)	600
Weight [t]:		2.0



6.3.3 Upper carriage Counterweight

Upper carriage counterweight				
Dimensions [mm]:	Length (l)	3480		
	Width (b)	540		
	Height (h)	1900		
Weight [t]:		12.5		
Quantity [pcs.]:		1		

Upper carriage counterweight				
Dimensions [mm]:	Length (l)	3480		
	Width (b)	470		
	Height (h)	1900		
Weight [t]:		12.5		
Quantity [pcs.]:		1		

Upper carriage counterweight				
Dimensions [mm]:	Length (l)	3300		
	Width (b)	210		
	Height (h)	1520		
Weight [t]:		5.0		
Quantity [pcs.]:		1		

6 Transport



Add-on counterweight, right				
Dimensions [mm]:	Length	(l)	1410	
	Width	(b)	990	
	Height	(h)	390	
Weight [t]:		2.5		
Quantity [pcs.]:		Maximum 3		

Add-on counterweight, left				
Dimensions [mm]:	Length	(l)	1410	
	Width	(b)	990	
	Height	(h)	390	
Weight [t]:		2.5		
Quantity [pcs.]:		Maximum 3		

6.4 Loading - General
6.4.1 General symbols

The lifting points on the equipment and its components or accessories are provided with corresponding color-coded symbols.



The position and type of the different symbols can be inferred from the labeling plan.

Example: Hook symbol to designate a lifting point



Example: Tying point with specified maximum permissible pulling force



Example: Component weight specification

