

Mobilkran • Mobile Crane

Grue mobile • Autogrù

Grúa móvil • Мобильный кран

LTM 1400-7.1

Technische Daten • Technical Data

Caractéristiques techniques • Dati tecnici

Datos técnicos • Технические данные



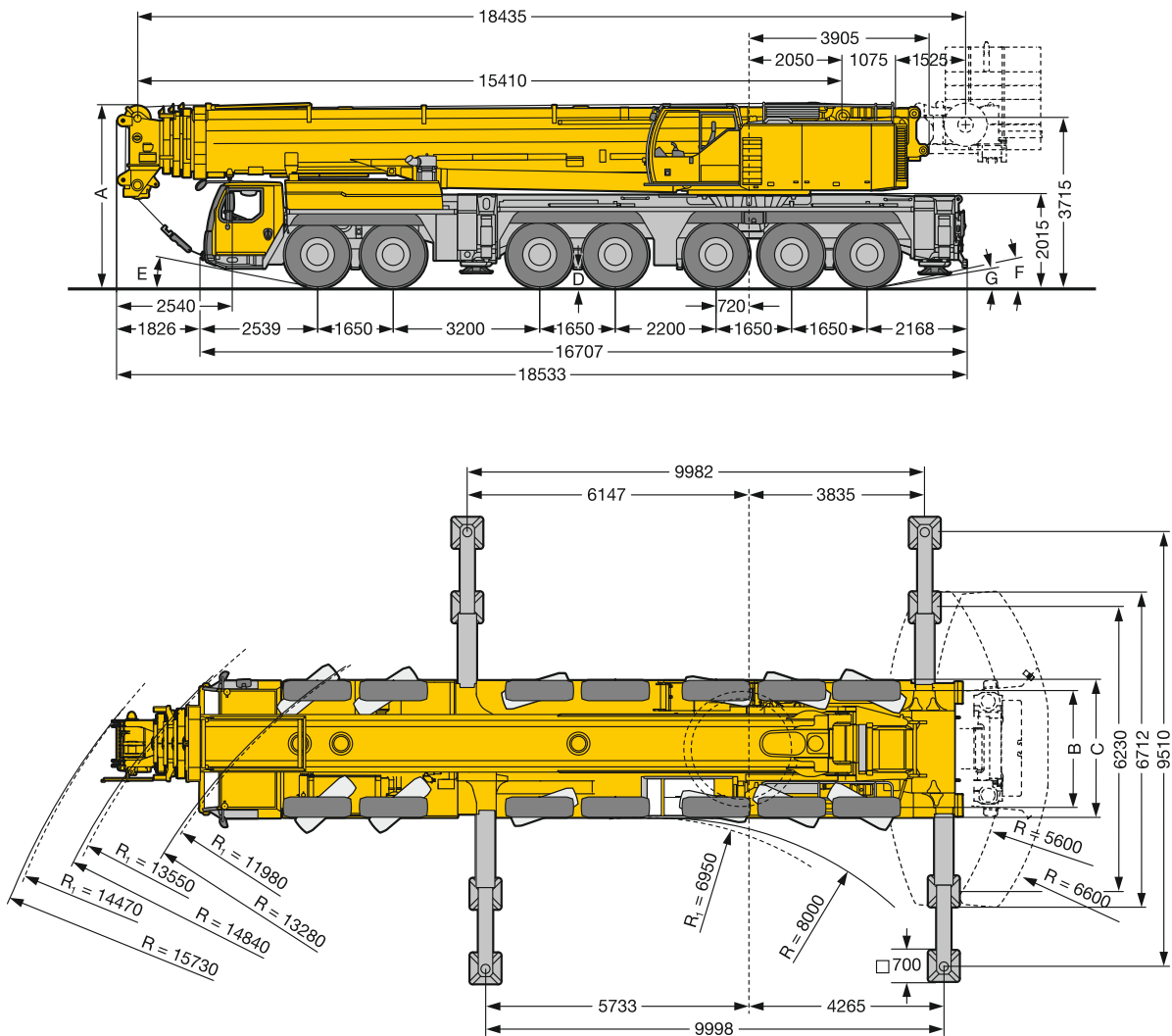
LIEBHERR

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Maße
Dimensions
Encombrement • Dimensioni
Dimensiones • Габариты крана



R₁ = Allradlenkung · All wheel steering · Direction toutes roues · Tutti gli assi sterzanti · Dirección en todos los ejes · Поворот всеми колесами

	Maße · Dimensions · Encombrement · Dimensioni · Dimensiones · Размеры mm							
	A	A 150/100 mm*	B	C	D	E	F	G
385/95 R 25 (14.00 R 25)	4000	3850	2563	3000	350	12°	11°	10°
445/95 R 25 (16.00 R 25)	4000	3900	2551	3000	400	12°	11°	10°
525/80 R 25 (20.5 R 25)	4000	3900	2573	3100	400	12°	11°	10°

* abgesenkt · lowered · abaissé · abbassato · suspensión abajo · шасси осажено

Auslegersysteme

Boom/jib combinations

Configurations de flèche · Sistema braccio

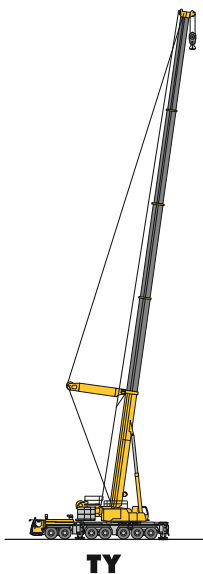
Sistemas de pluma · Стреловые системы

- T** Teleskopausleger · Telescopic boom · Flèche télescopique
Braccio telescopico · Pluma telescópica · T...
- Y** Y-Abspannung · Y-shaped guying system · Haubanlage Y · Superlift-Braccio tirantato Y · Arriostrado Y ·
- F** Feste Gitterspitze · Fixed lattice jib · Fléchette treillis fixe
Falcone tralicciato fisso · Plumín fijo · Неподвижный решетчатый удлинитель
- S** Spacer · Spacer · Haubanlage · Spacer · Spacer ·
- N** Wippbare Gitterspitze · Luffing fly jib
Fléchette treillis à volée variable · Falcone tralicciato variabile
Plumín abatible · Решетчатый удлинитель с изменяемым вылетом



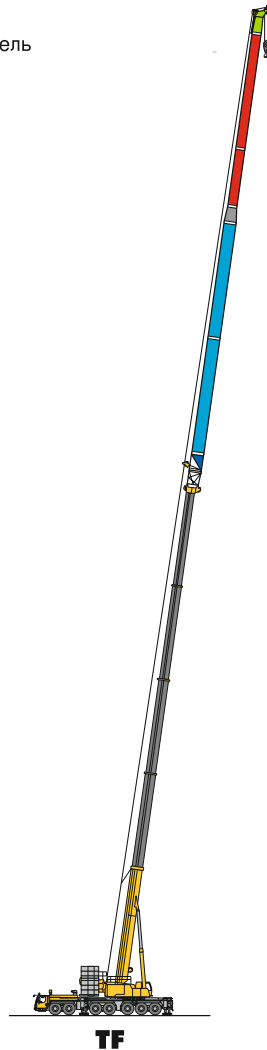
T

8 – 10



TY

11 – 12



TF

13 – 21

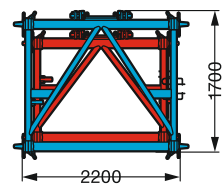
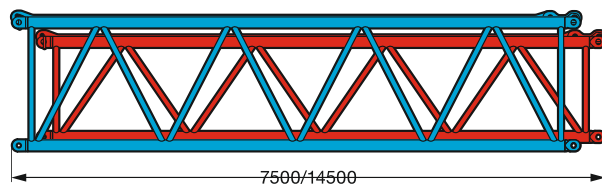
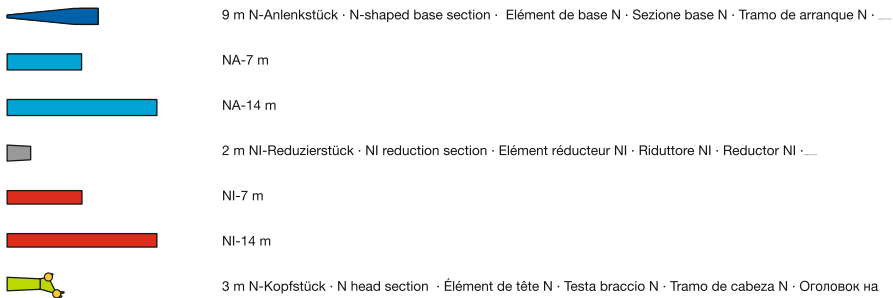
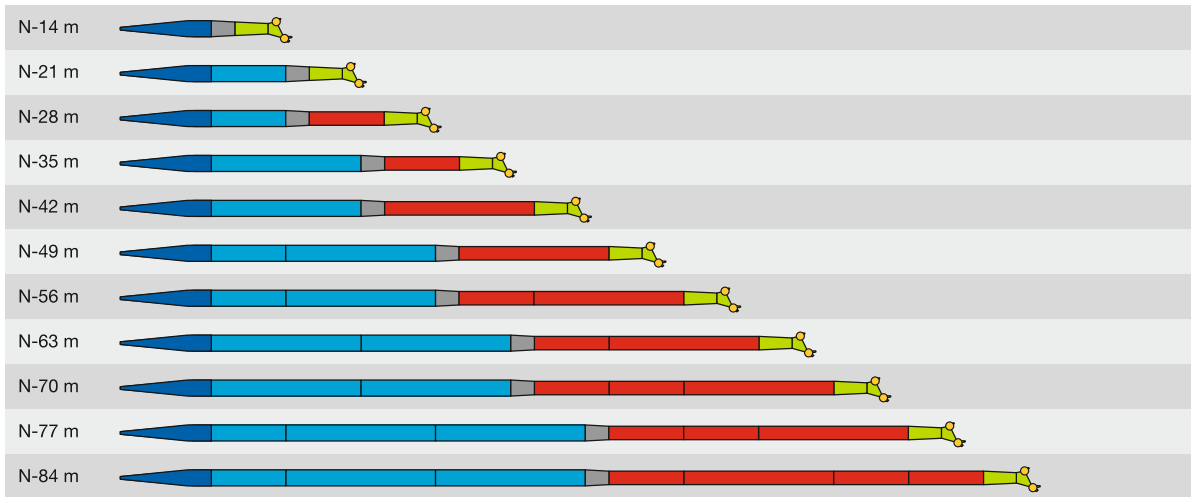


Auslegersysteme - Wippspitze

Boom/jib combinations - Luffing fly jib

Configurations de flèche - Fléchette à volée variable · Sistema braccio - Falcone a volata variabile

Sistemas de pluma - Plumin abatible · Стреловые системы - Качающиеся

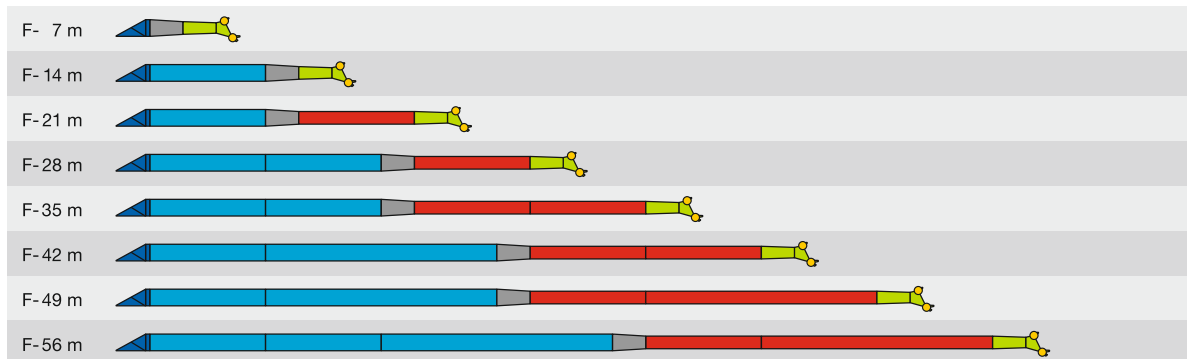


Auslegersysteme - Feste Spitze

Boom/jib combinations - Fixed fly jib

Configurations de flèche - Fléchette fixe · Sistema braccio - Falcone fisso

Sistemas de pluma - Plumin fijo · Стреловые системы - Жесткомонтируемом удлинителе



2 m TF-Adapter · TF-adapter · TF-adaptateur · TF-adattatore · TF-adaptador · TF -



NA-7 m



NA-14 m



2 m NI-Reduzierstück · NI reduction section · Élément réducteur NI · Riduttore NI · Reductor NI · ...



NI-7 m



NI-14 m



3 m N-Kopfstück · N head section · Élément de tête N · Testa braccio N · Tramo de cabeza N · Оголовок на

Gewichte
Weights
Poids • Pesì
Pesos • Наррузки



Achse · Axle Essieu · Asse Eje · Мосты	1	2	3	4	5	6	7	Gesamtgewicht · Total weight t Poids total · Peso totale t Peso total · Общий вес, т
t	12	12	12	12	12	12	12	84



Traglast · Load t Forces de levage · Portata t Capacidad de carga · Грузоподъемность, т	Rollen · No. of sheaves Poulies · Pulegge Poleas · Канатных блоков	Stränge · No. of lines Brins · Tratti portanti Reenvíos · Запасовка	Gewicht · Weight kg Poids · Peso kg Peso · Собст. вес, кг
238,6	11	22	3700
201	9	18	3300
171	7	14	2700
129,2	5	10	2300
84,7	3	6	1800
37,4	1	3	1400
12,5	–	1	600

Geschwindigkeiten
Working speeds
Vitesse · Velocità
Velocidades · Скорости



	km/h min. МИН.	km/h max. МАКС.	%
385/95 R 25 (14.00 R 25)	5,2	75	43,9 %
445/95 R 25 (16.00 R 25)	5,7	80	39,7 %
525/80 R 25 (20.5 R 25)			



12 / R2



Antriebe · Drive Mécánismes · Meccanismi Accionamiento · Приводы	stufenlos · infinitely variable en continu · continuo regulable sin escalonamiento · бесступенчато	Seil ø / Seillänge · Rope diameter / length Diamètre / longueur du câble · Diametro / lunghezza fune Diámetro / longitud cable · Диаметр / длина	Max. Seilzug · Max. single line pull Effort au brin maxi. · Mass. tiro diretto fune Tiro máx. en cable · Макс. тяговое усилие
	m/min für einfachen Strang · single line 0 – 130 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 470 m	126,4 kN
	m/min für einfachen Strang · single line 0 – 130 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 470 m	126,4 kN
	m/min für einfachen Strang · single line 0 – 150 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 775 m	126,4 kN
	0 – 1,5 min ⁻¹ об/мин		
	ca. 70 s bis 82° Auslegerstellung · approx. 70 seconds to reach 82° boom angle env. 70 s jusqu'à 82° · circa 70 s fino ad un'angolazione del braccio di 82° aprox. 70 segundos hasta 82° de inclinación de pluma · ок. 70 сек. до выставления стрелы на 82°		
	ca. 360 s für Auslegerlänge 15,4 m – 60 m · approx. 360 seconds for boom extension from 15,4 m – 60 m env. 360 s pour passer de 15,4 m – 60 m · circa 360 s per passare da 15,4 m a 60 m aprox. 360 segundos para telescopar la pluma de 15,4 m – 60 m · ок. 360 сек. до выдвижения от 15,4 м до 60 м		

																							
	15,4 m		20,5 m		25,7 m		30,8 m		36 m		41,1 m		46,3 m		51,4 m		56,6 m		60 m				
	*																						
3	400	233																		3			
3,5	270	225	202																	3,5			
4	240	218	202	202																4			
4,5	229	210	202	202	172															4,5			
5	217	199	197	198	171															5			
6	196	178	178	177	160	131														6			
7	178	161	161	161	148	122	93													7			
8	163	146	146	145	137	113	86	73												8			
9	146	134	134	133	127	106	80	69	59											9			
10	131	123	122	123	119	99	75	65	56	47,5										10			
12	108	105	105	104	104	88	66	59	51	44	38,5									12			
14			90	89	90	79	59	53	46,5	41	36									14			
16			80	78	79	71	54	47	42,5	38	33,5									16			
18			70	70	69	65	50	42,5	39	35,5	31									18			
20					62	61	46,5	38,5	35,5	32,5	29,2									20			
22					56	55	43,5	35	32,5	30	27,2									22			
24						49	40,5	32	29,9	27,7	25,3									24			
26						44,5	38	29,9	27,5	25,8	23,5									26			
28						40,5	36	28,2	25,3	24	22,1									28			
30							34	26,6	23,3	22,4	20,6									30			
32							35	32,5	25,1	21,7	19,2									32			
34								31	23,7	20,2	17,9									34			
36								29,5	22,7	19	18,2									36			
38								28,2	21,8	17,9	15,8									38			
40									20,9	17,1	14,9									40			
42									20,1	16,3	14									42			
44									19,1	15,6	13,1									44			
46										14,9	12,3									46			
48										14,2	11,8									48			
50											11,2									50			
52											11,2									52			
54											10,5									54			
56																			9,5	56			
58																			8,7	58			

15,4 – 60 m 5,6 m 140 t 130 t 120 t 110 t 100 t EN												
m	15,4 m	20,5 m	25,7 m	30,8 m	36 m	41,1 m	46,3 m	51,4 m	56,6 m	60 m	m	m
3	228										3	3
3,5	220	202									3,5	3,5
4	213	202	202								4	4
4,5	202	201	201	172							4,5	4,5
5	190	190	189	171							5	5
6	170	170	169	160	131						6	6
7	153	153	152	148	122	93					7	7
8	139	139	138	137	113	86	73				8	8
9	126	126	125	126	106	80	69	59			9	9
10	115	115	114	115	99	75	65	56	47,5		10	10
12	97	98	96	97	88	66	59	51	44	38,5	12	12
14		84	84	83	79	59	53	46,5	41	36	14	14
16		73	73	72	71	54	47	42,5	38	33,5	16	16
18		65	64	63	64	50	42,5	39	35,5	31	18	18
20			56	56	57	46,5	38,5	35,5	32,5	29,2	20	20
22			50	49,5	51	43,5	35	32,5	30	27,2	22	22
24				45,5	45,5	40,5	32	29,9	27,7	25,3	24	24
26				42	41	38	29,9	27,5	25,8	23,5	26	26
28				38,5	37	36	28,2	25,3	24	22,1	28	28
30					34	34	26,6	23,3	22,4	20,6	30	30
32					31	32	25,1	21,7	20,8	19,2	32	32
34						29,5	23,7	20,2	19,5	17,9	34	34
36						27,3	22,7	19	18,2	16,8	36	36
38						25,4	21,8	17,9	17	15,8	38	38
40							20,9	17,1	15,9	14,9	40	40
42							20,1	16,3	14,8	14	42	42
44							19,1	15,6	14	13,1	44	44
46								14,9	13,3	12,3	46	46
48								14,2	12,5	11,8	48	48
50									11,8	11,2	50	50
52									11,2	10,6	52	52
54									10,5	10	54	54
56										9,5	56	56
58										8,7	58	58

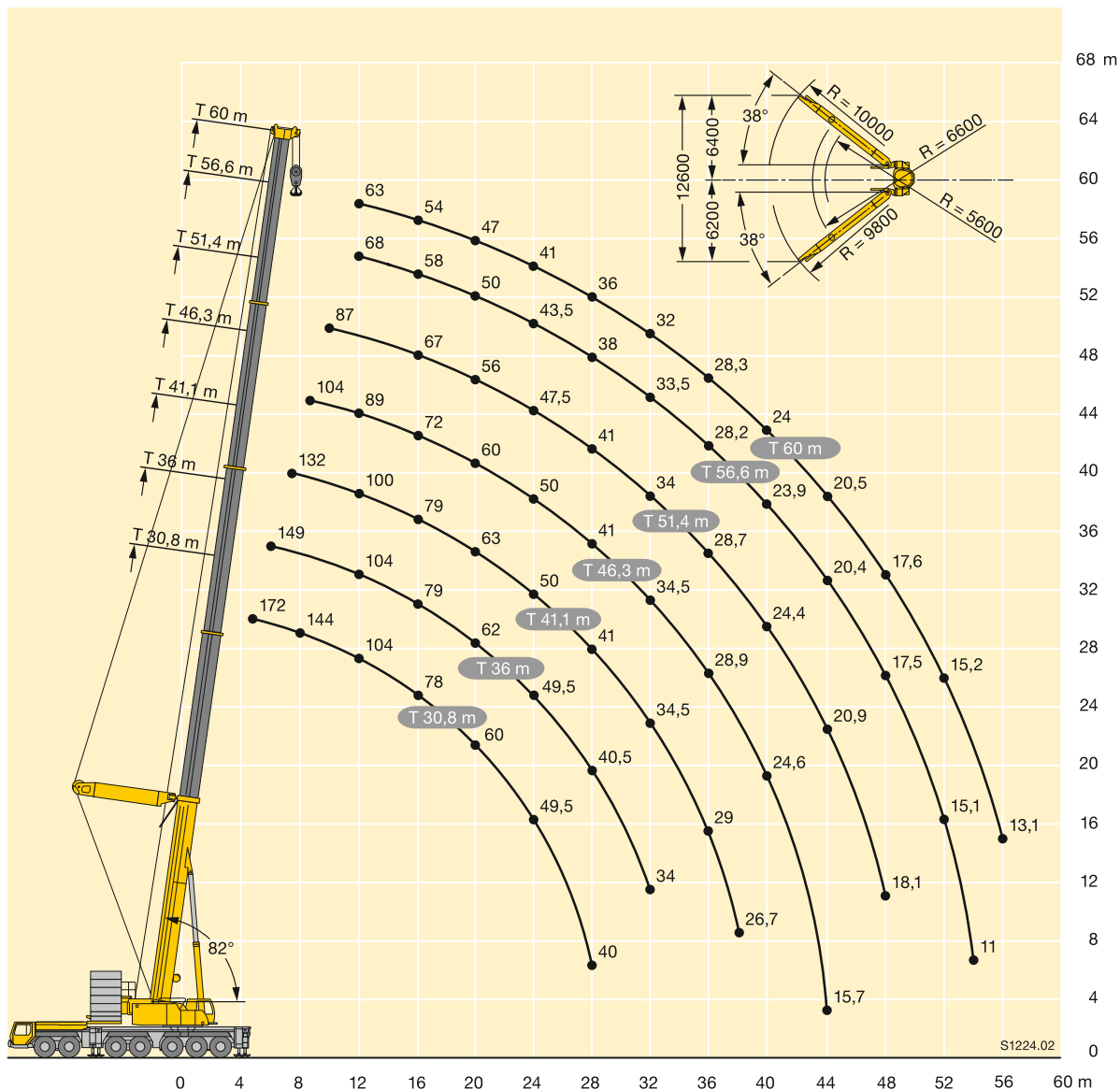
TAB 1462018 / 1462019 / 1462013 / 1462022 / 1462015

30,8 – 60 m 38° 360° 6,6 m 140 t 130 t 120 t 110 t 100 t EN								
	30,8 m	36 m	41,1 m	46,3 m	51,4 m	56,6 m	60 m	
5	172							5
6	166	149						6
7	157	143	132					7
8	144	136	124					8
9	132	128	117	104				9
10	122	121	111	98	87			10
12	104	104	100	89	79	68	63	12
14	90	91	90	79	73	63	58	14
16	78	79	79	72	67	58	54	16
18	68	70	70	66	61	54	50	18
20	60	62	63	60	56	50	47	20
22	55	55	56	55	51	46,5	44	22
24	49,5	49,5	50	50	47,5	43,5	41	24
26	44,5	45	45,5	45,5	44,5	40,5	38,5	26
28	40	40,5	41	41	41	38	36	28
30		37	37,5	37,5	37,5	36	34	30
32		34	34,5	34,5	34	33,5	32	32
34			31,5	31,5	31	31	30,5	34
36			29	28,9	28,7	28,2	28,3	36
38			26,7	26,6	26,4	25,9	26	38
40				24,6	24,4	23,9	24	40
42				22,8	22,5	22,1	22,2	42
44				15,7	20,9	20,4	20,5	44
46					19,4	18,9	19	46
48					18,1	17,5	17,6	48
50						16,2	16,3	50
52						15,1	15,2	52
54						11	14,1	54
56							13,1	56

TAB 1461036 / 1461065 / 1461033 / 1461066 / 1461067

30,8 – 60 m 38° 360° 5,6 m 140 t 130 t 120 t 110 t 100 t EN								
	30,8 m	36 m	41,1 m	46,3 m	51,4 m	56,6 m	60 m	
5	172							5
6	166	149						6
7	153	143	132					7
8	138	136	124					8
9	126	125	117	104				9
10	115	115	111	98	87			10
12	97	98	96	89	79	68	63	12
14	83	84	84	79	73	63	58	14
16	71	73	74	72	67	58	54	16
18	64	64	65	64	61	54	50	18
20	57	57	57	57	55	50	47	20
22	50	50	51	51	51	46,5	44	22
24	44,5	45	45,5	45,5	45,5	43,5	41	24
26	40	40,5	41	41	41	40,5	38,5	26
28	36,5	36,5	37	37	37	36,5	36	28
30		33,5	33,5	33,5	33,5	33	33	30
32		30,5	30,5	30,5	30,5	30	30	32
34			28,1	28	27,8	27,3	27,5	34
36			25,7	25,7	25,4	25	25,1	36
38			23,7	23,6	23,4	22,9	23	38
40				21,7	21,5	21	21,1	40
42				20	19,8	19,3	19,4	42
44				15,7	18,3	17,8	17,9	44
46					16,9	16,4	16,5	46
48					15,6	15,1	15,2	48
50						13,9	14	50
52						12,8	12,9	52
54						11	11,9	54
56							11	56

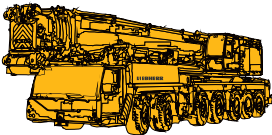
TAB 1461036 / 1461065 / 1461033 / 1461066 / 1461067



The **LIEBHERR LTM 1400-7.1** is one of the most successful 400 - tonne class all - terrain cranes in Liebherr's history. Produced between 2004 and 2022, it is renowned for its compact seven - axle design, extreme maneuverability, and the powerful Y - guying (Superlift) system.

1. Key Specifications

Feature	Details	
Max Lifting Capacity	400 tonnes (at a 3m radius)	
Main Boom	15.4m to 60m	(5-section telescopic boom)
Max Hoist Height	Approx. 130m (with luffing jib).	
Max Working Radius	100m .	
Drive / Steering	14 x 8 x 12 (7 axles, active rear-axle steering)	
Counterweight	Up to 140 tonnes	



2. Historical Background & Evolution

- **Family Evolution:** In the late 1980s, LIEBHERR introduced the early LTM 1400 on an eight - axle chassis.
- **Technological Breakthrough:** In 2004, LIEBHERR launched the LTM 1400-7.1 successfully condensing 400 - tonne capacity onto a seven - axle chassis This was a major engineering feat, balancing total vehicle weight with lifting stability.
- **Market Dominance:** It became the industry benchmark for the 400 - tonne

3. Advanced Technical Details

- **Y Guying System (Superlift):** This system features two lateral support cables that tension the main boom in a "Y" shape. It significantly increases lateral stability and doubles lifting capacity at high altitudes or long radii.
- **Dual - Engine Configuration:** Powered by a 450 kW (612 hp) chassis engine and a 240 kW crane engine. This ensures the hydraulic system has dedicated, stable power during heavy lifts without being affected by the vehicle's driving drivetrain.
- **Movable Counterweight Radius:** The counterweight base can be hydraulically shifted to reduce its tail - swing radius, allowing the crane to rotate in cramped industrial environments like refineries.

4. User Experience & Operator Feedback

Based on feedback from major crane rental companies the LTM 1400-7.1 is considered an "All - Terrain Warrior":

- "It goes where it shouldn't be able to": Operators praise its 5 -mode steering system (including "Crab Steering"). Its compact footprint allows it to enter narrow city streets or congested chemical plants that usually require much smaller cranes.
- "Stability and Confidence": The Y - guying system eliminates boom sway even under high wind conditions or heavy loads, providing precision during critical lifts, such as placing cooling towers on skyscrapers.
- "Rapid Deployment": Unlike 500 - tonne or larger cranes, the LTM1400-7.1 can be set up and dismantled quickly. For rental companies, this translates to higher efficiency and lower costs for the client.

5. Current Market Status (2026)

- **Durability:** Many models from 2005 - 2010 are still in active service for wind turbine maintenance and bridge construction.
- Liebherr continues to provide full spare parts and technical support for this model globally.

這款傳奇的 LIEBHERR LTM 1400-7.1 是 LIEBHERR 歷史上最成功的 400 噸級全地形起重機之一，該機型於 2004 年至 2022 年間生產，以其緊湊的七軸設計，極高的機動性以及強大的 Y 型加強臂（Y-guying）系統聞名於世。

1. 主要規格項目

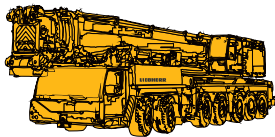
特點	詳細資訊
最大起重能力	400 公噸（在 3 m 工作半徑下）
主臂長度	15.4 m 至 60 m（5段式伸縮臂）
最大吊裝高度	約 130 m（配合變幅副桿）
最大工作半徑	100 m
驅動 / 轉向	14 x 8 x 12（7軸底盤，具備主動式後軸轉向）
總配重	最高可達 140 公噸

2. 歷史背景與演進

- 家族演進：在1980 年代末期, LIEBHERR 推出了早期的 LTM 1400, 當時採用的是八軸底盤。

技術突破：2004 年, LIEBHERR 推出了 LTM 1400-7.1 成功將 400 噸的起重能力縮減整合至七軸底盤上, 這在當時是一項重大的工程成就, 完美平衡了車輛總重與吊裝穩定性。

市場統治力：該機型連續18年成為 400 噸級起重機的業界標竿。



3. 進階技術細節

- Y 型加強臂系統 (Y-guying) 此系統具有兩條側向支撐纜繩, 使主臂呈現「Y」字型的張緊狀態. 這能顯著增加主臂的橫向穩定性, 在較大半徑或高度作業時, 起重能力可提升一倍。

雙引擎配置：由一個 450kW (612 hp) 的底盤引擎和一個 240kW 的起重專用引擎驅動. 這確保了在重載吊裝時, 液壓系統擁有獨立且穩定的動力, 不會受到車輛行駛傳動系統的干擾。

可平移配重半徑：配重底座可以透過液壓方式平移，以縮小其後方的旋轉半徑，使起重機能在如煉油廠等擁擠的工業環境中進行作業。

4. 使用者經驗與操作員回饋

根據全球大型起重機公司的回饋,LTM 1400-7.1 被譽為「全地形戰士」：

- 「它能進入原本不可能進去的地方」：操作員讚賞其 5 種轉向模式（包括「蟹行模式」). 其緊湊的佔地面積使其能進入狹窄的城市街道或管線密集的化工廠, 而這些地方通常只能容納更小型號的起重機。

「穩定性與信心」：Y 型加強臂系統即便在高空強風或重載情況下, 也能幾乎消除主臂的晃動, 為操作員在執行精密吊裝（如安裝大樓頂部的機具）時提供極高的信心。

「快速部署」：與500 噸或更大噸位的起重機相比, 1400-7.1 的組裝與拆卸速度非常快, 對於起重公司而言, 這代表了更高的工作效率並能為客戶節省成本。

5. 目前市場現況 (2026 年)

- 耐用性：許多2004 年至 2010 年間生產的機型，至今仍活躍於風力發電機維修和橋樑建設的第一線。

LIEBHERR 官方目前仍為該機型提供全球性的零件供應與技術支援。

Pages

1-3	Contents of the packaging for main parts/accessories
4-15	Main assembly and function overview
16-19	Installation of small parts/accessories
20	Driving modes
21-27	Counterweight Assembly, Method 2 (Player Mode)
28	Y guying system - Removal
29-31	Counterweight main component (Winch 2) Disassembling
32-33	Schematic diagrams of component lifting
34-37	Hooks hoist reeving

(This manual applies to all LTM 1400-7.1 model vehicles.
If there are any design changes, the documents will be
corrected/supplemented with explanations)

頁面

1-3	主要零件/配件包裝內容
4-15	主要組裝與功能簡介
16-19	小零件/配件安裝
20	駕駛轉向模式
21-27	配重組件安裝方式2 (玩家模式)
28	Y型拉索加強臂支架 - 拆卸
29-31	配重主件(捲揚機2)- 拆卸
32-33	零組件吊裝
34-37	吊鉤纜索穿引

(本手冊適用所有 LTM 1400-7.1 模型車款,
如有變更設計將會更正/補充說明文件)



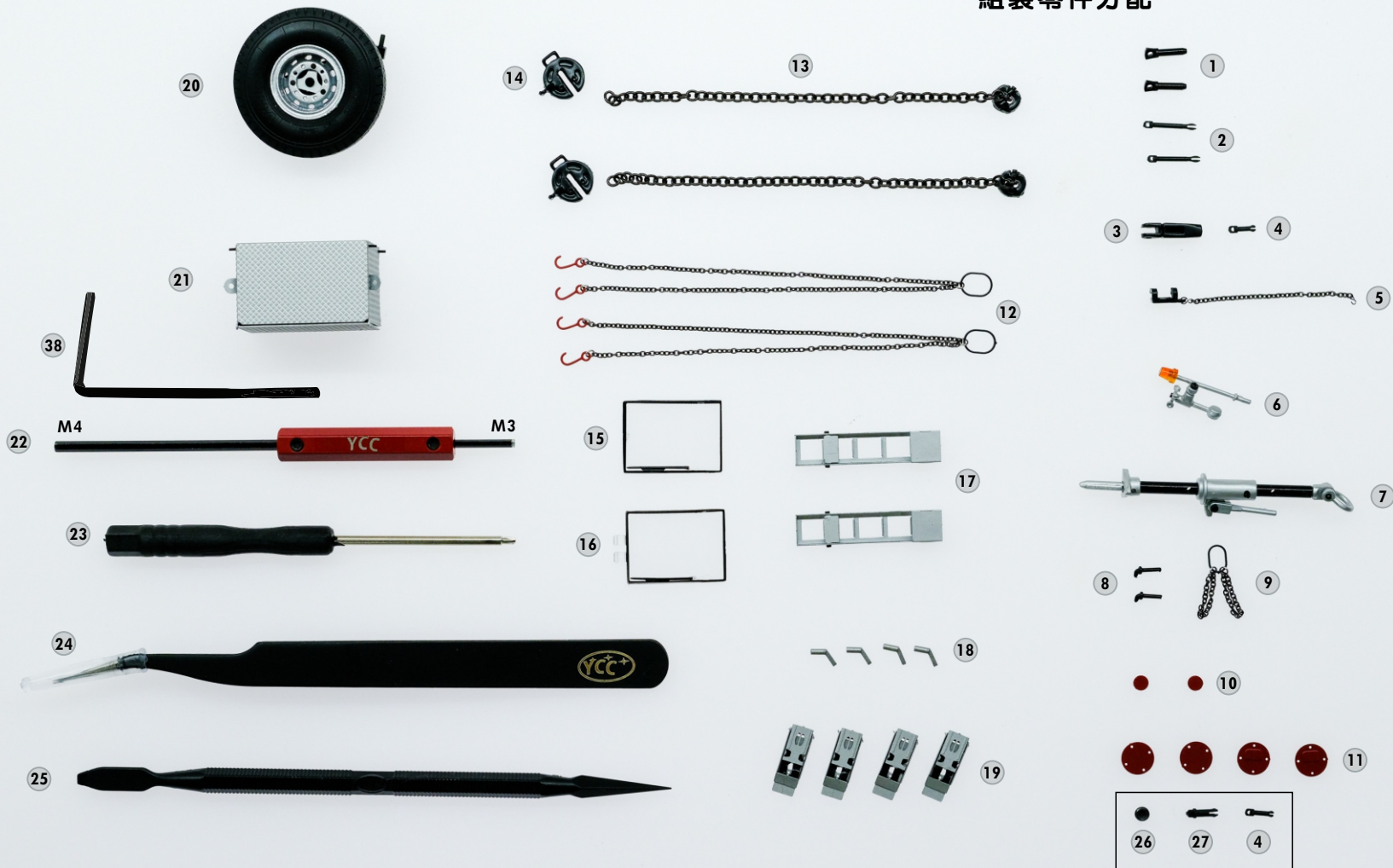
After you remove the protective packaging from the model (including the round protective pads) Please refer to page 10 and, after inserting the Y guying system bracket into position position , is the correct place for install and display.

當拆除模型上面的防護包裝之後 (包含圓形防護墊)

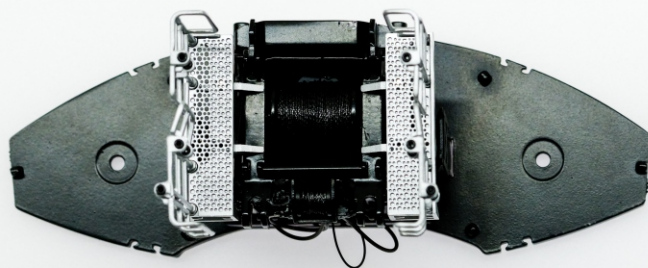
請參考頁面10, 把Y型拉索加強臂支架扣入位置  後, 才是正確的安裝與展示的位置。

LTM 1400-7.1 Assembly Parts Distribution

組裝零件分配



Spare Parts
備用零件



28



29 10t x10



30 5t x5



31

3 sheave
85t



32

5 sheave
129T



33

7 sheave
171t



34

9 sheave
201t



35

11 sheave
239t

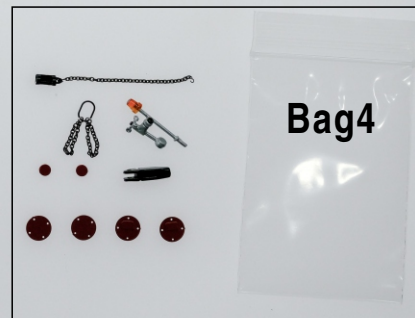
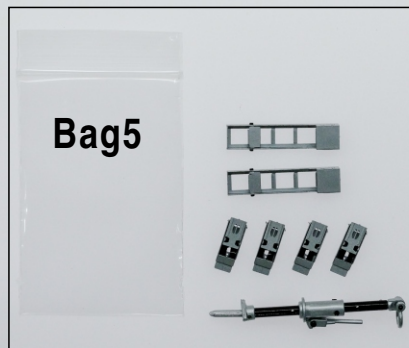
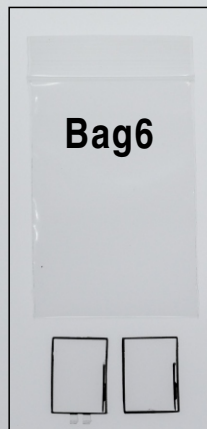
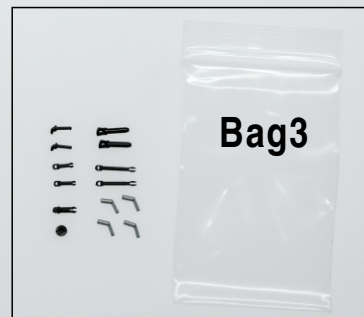


36



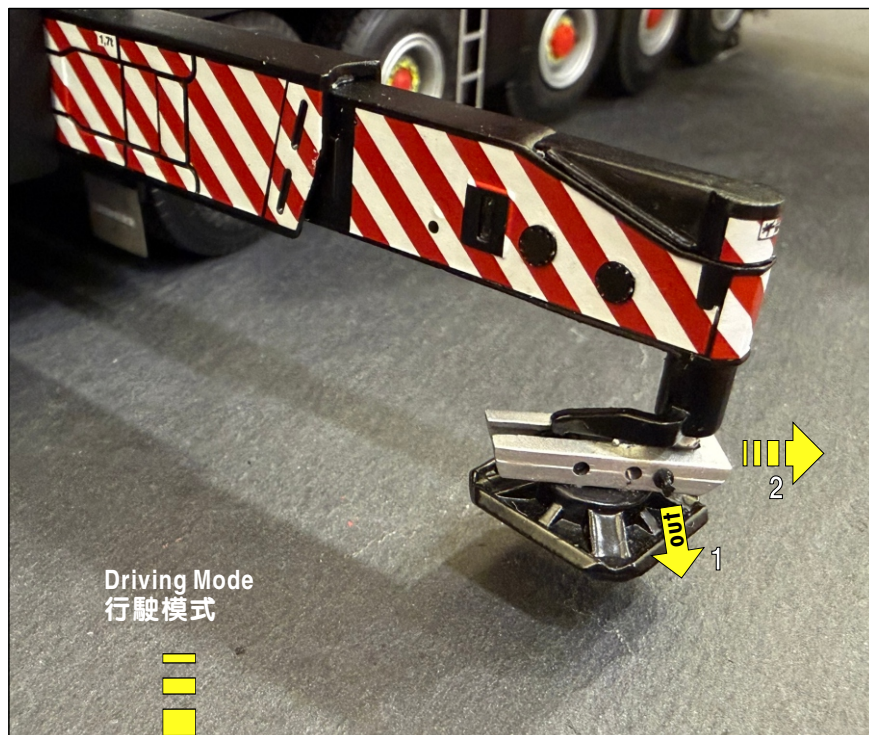
37

 optional





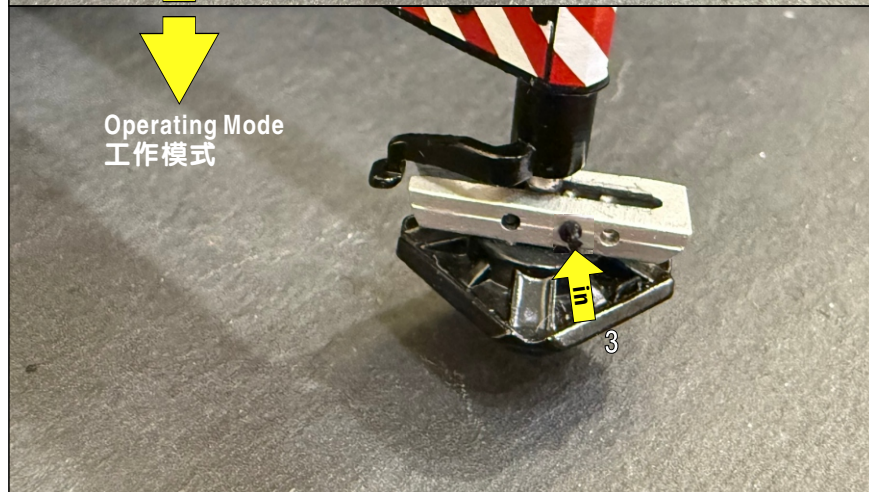




Driving Mode
行駛模式

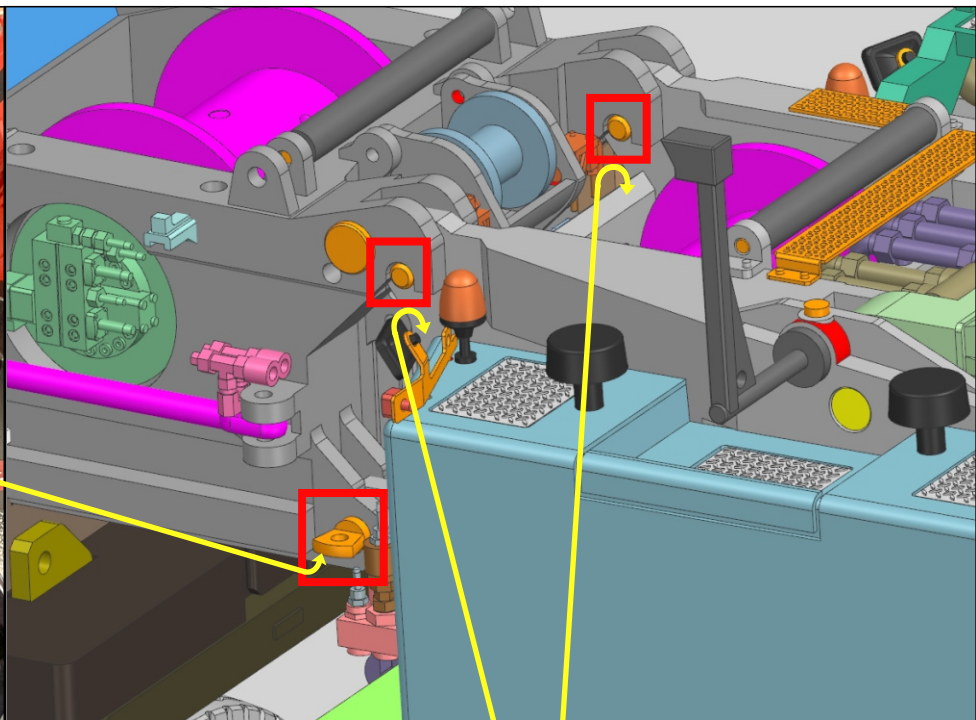
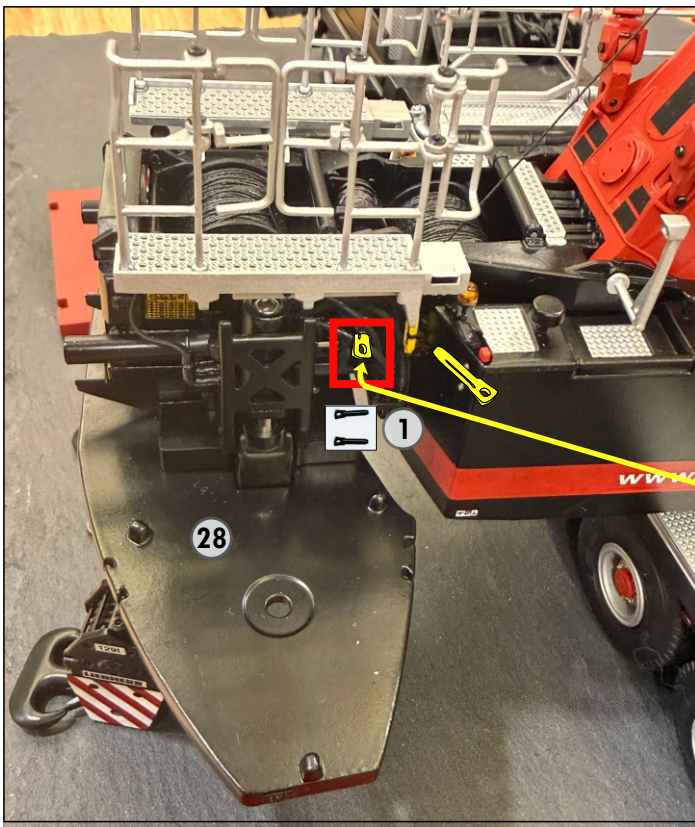


Operating Mode
工作模式



Setup the outriggers and pads in the order of 1-2-3-4.
Rotate the pad to the appropriate height/tightness.
(Do not leave tires suspended)

依照1-2-3-4 次序架設支撐腳架與墊塊。
旋轉墊塊至適當的高度/緊度（不要讓輪胎懸空）



Counterweight Assembly, Method 1 (Quick Mode)

Install Part 28

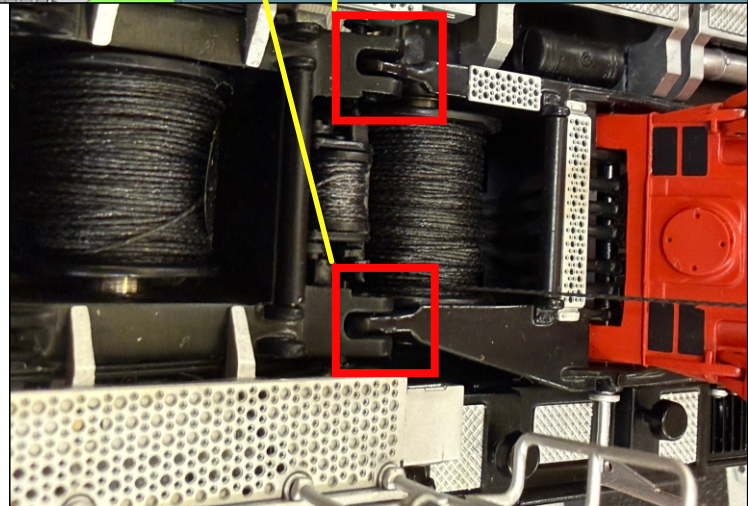
Mount directly onto the superstructure and install pin 1
Confirm that the upper part is embedded/fixed behind the superstructure, install pin 1 in the lower position.

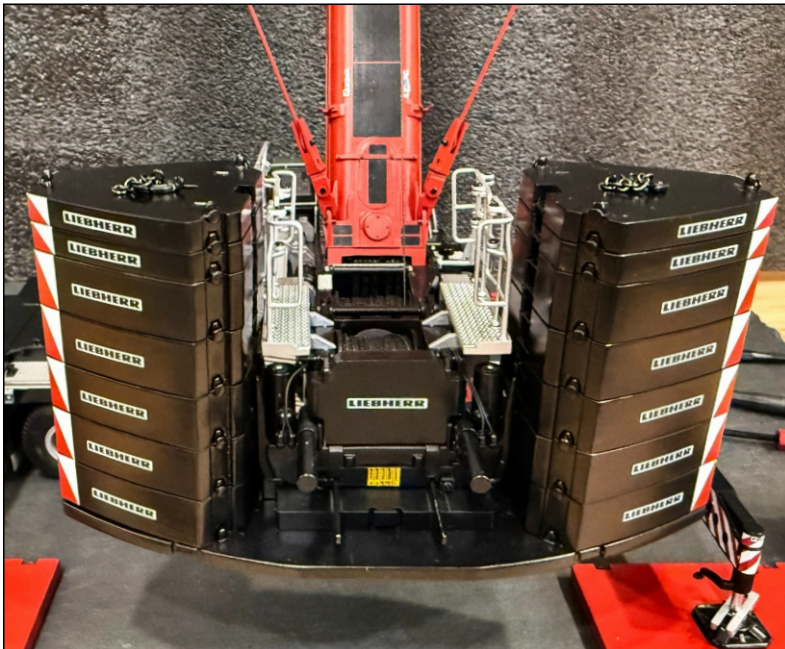
配重組件安裝 方式1 (快速模式)

安裝零件 28

直接掛上旋台結構，並安裝插銷 1 即可
確認上方嵌入/扣下於上部結構旋台後方，
下方位置安裝零件 1 插銷

7





Counterweight Block Installation and Securing: Appropriate number of counterweight blocks to place

The counterweight system can move appropriately back and forth horizontally 2cm(1M)

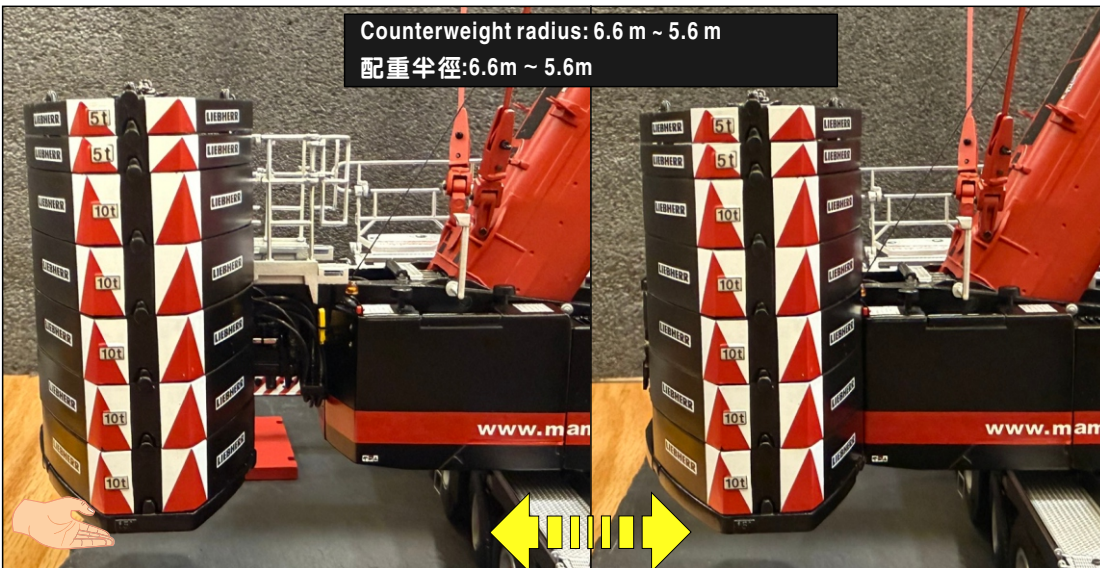
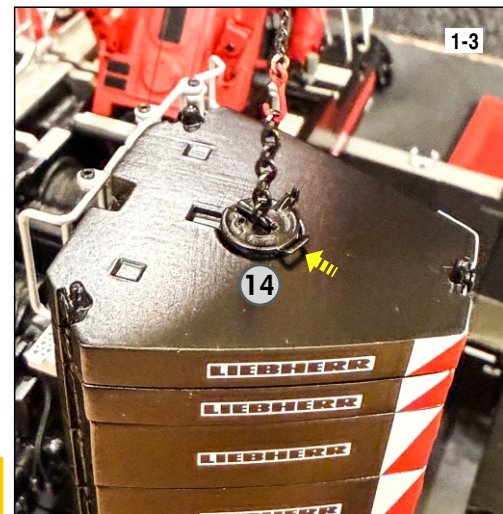
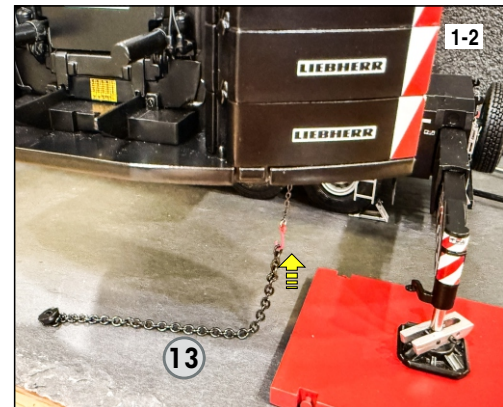
1-1 1-2 1-3

Counterweight Block - Chain locking installation

配重塊安裝與固定:
請適當的放置配重塊數量
配重系統可以適當
水平前後移動 2cm(1M)

1-1 1-2 1-3

配重塊鍊條鎖固安裝



Counterweight radius: 6.6 m ~ 5.6 m
配重半徑: 6.6m ~ 5.6m



Y guying system

Unfolding, Closing, and Folding the
Y guying system Precautions for Use:

The sample photos show examples of
retracted/folded positions, the same precautions
apply when extending.
Please be sure to take care throughout to avoid
the rod getting stuck or bending.



Y型拉索加強臂支架展開與關閉收折
使用注意事項:
簡介示範照片為收回/折回之範例, 展開時
注意事項相同。
全程請務必注意以避免拉桿卡住或折彎。





CAUTION





Y 型拉索加強臂支架

使用工具捲線前請注意，纜線頭端必須先拉住不可讓纜線放鬆，再推入工具 22 M4 並往需要的方向轉動(往前或往後)。

Y guying system

Y guying system

Precautions for Use:

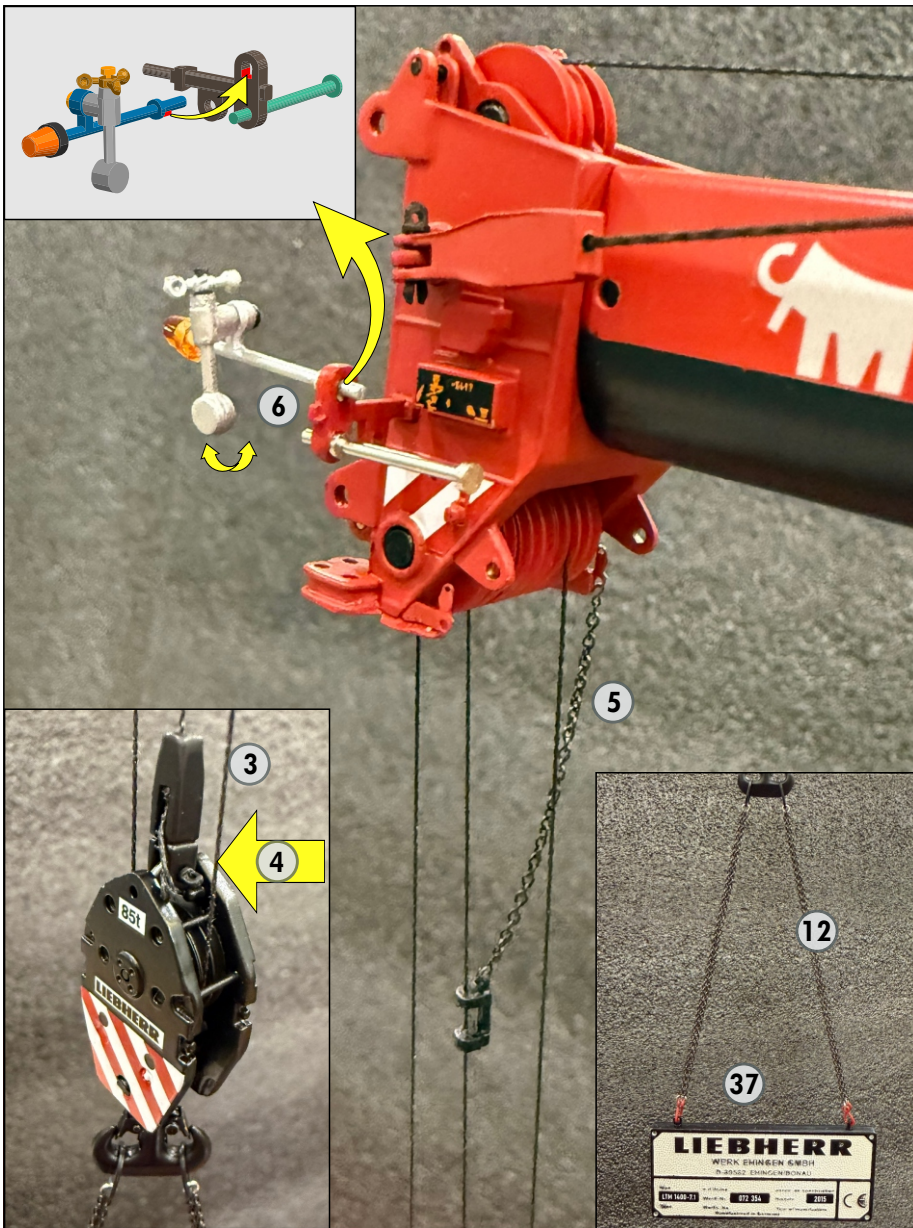
Before using the tool to reel in the cable, make sure to hold the cable end and keep enough tension on the cable to prevent slack of it, then push the tool 22 M4 in and toward, in the required direction (forward or backward)





You can remove the 22 M3 connector to facilitate installing an M4 handle for rotating the power tool, Do not use power tools to turn anything except winches 1, 2, and 3. and use the power tool only at low speed to prevent damage.

可以將 22 M3 端頭拆除，以利安裝 M4 把手於電動工具轉動
除了捲揚機 1/2/3 之外其他位置請勿使用電動工具轉動，並且只能低速使用電動工具，以防止損壞。



Remove the screws to use it as a standing display

取下螺絲當作立牌擺飾

Boom extension and retraction

Using tool 22 M3, press and release the latch at the 0% position on the main boom(T), then pull out the boom, Extend and retract the boom in sequence from T1 to T2 to T3 to T4 as required. After completion, can use part 11 (plate) to cover the four dowel holes on the main boom(T).

Note:

T1 Can be positioned at 0% (fully retracted), 46%, 92%, or 100% at any time.

T1 T2 T3 T4 Any section can be placed at the 46% position at any time.

Subsequently, when any of the T1, T2, T3, or T4 sections needs to "extend or retract" from the 46% position to the 0%, 92%, and 100% positions,

All boom sections below that joint must first be at the 92% position.

Then the release button can be seen and operated.

That is, when all boom arms (T1, T2, T3, T4) are at the 92% position, The telescopic boom can be configured to any required length.

For example:

T1, T2, T3, and T4 are currently all at the 46% position. When T4 reaches the 92% position,

Each section below T4—T1, T2, and T3—must extend sequentially to the 92% position before becoming visible, Release the button for each section and proceed with the operation.

(Conversely, when T4 needs to return from 46% to 0%, perform the same operation as above.)

吊臂伸出與縮回

使用工具 22 M3 按壓釋放主臂(T) 0%位置的卡榫後拉出吊臂, 由T1-T2-T3-T4依序依照需求伸出吊臂與縮回吊臂 完畢後可以將零件 11 板片, 蓋住主臂上面的四個卡榫孔位。

提示:

T1 任何時候可以放置於 0% (完全縮回) 46% 92% 100% 位置

T1 T2 T3 T4 任何一節任何時候都可以放置於 46% 位置,

之後當T1 T2 T3 T4 任何一節需要從46% 位置 "伸出或縮回" 在 0% 92% 100% 位置時,

其該節下方所有吊臂必須先都在 92% 位置。

才能看到卡榫釋放按鈕並進行操作。

當所有吊臂 (T1 T2 T3 T4) 都於92% 位置時, 此時可以伸縮吊臂於任何所需要的長度配置位置。

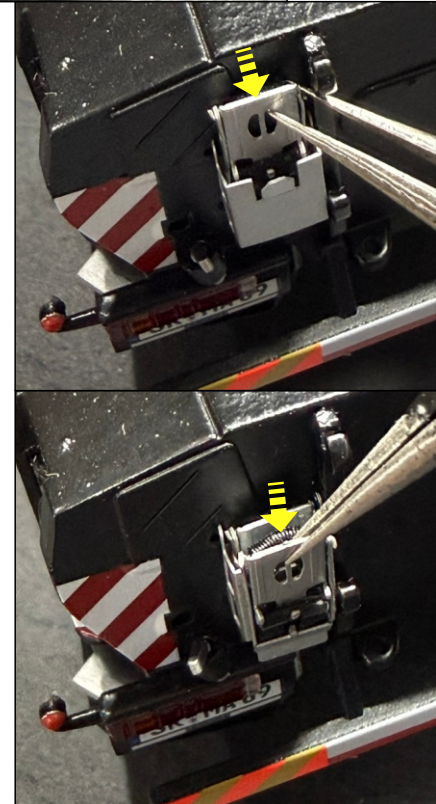
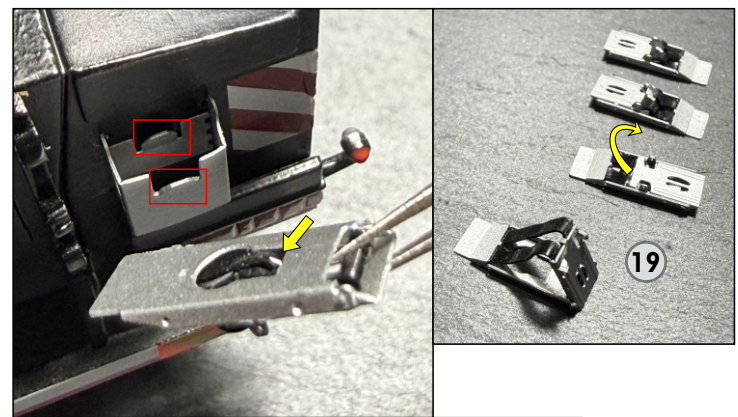
例如:

T1 T2 T3 T4 目前都在 46% 位置, 當T4要到92% 位置時,

其T4下方的T1 T2 T3 每節都要依序伸出到 92% 位置才能看到 每節卡榫釋放按鈕並進行操作。

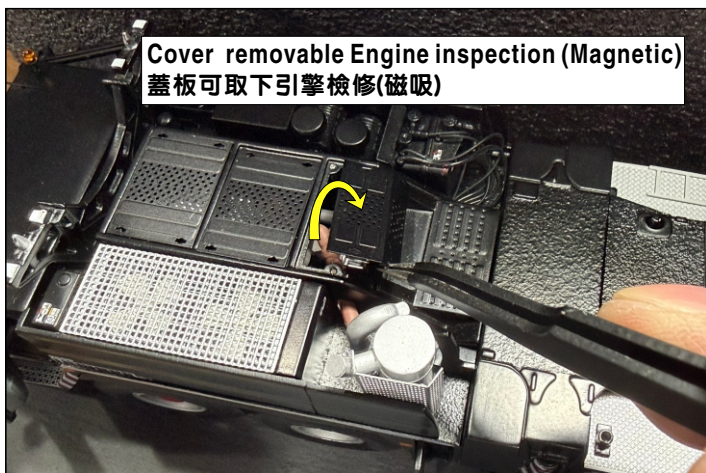
(相反T4要到從46% 回到 0%位置時,也是一樣如上操作)



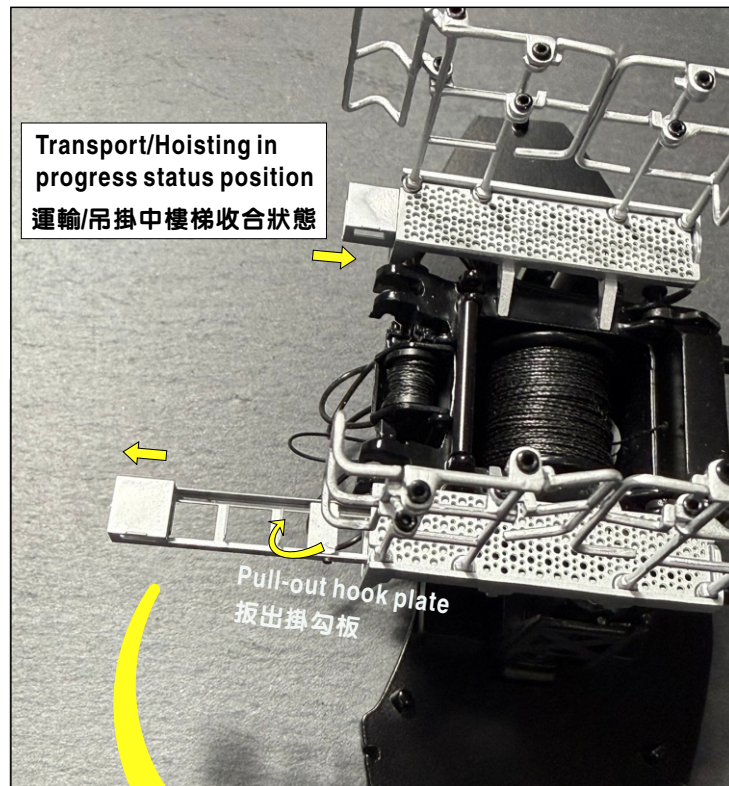




Y guying system Removable oil pipeline Group E/F connection (magnetic)
 加強臂支撐架油管連接處管路E/F組件可拆卸(磁吸)

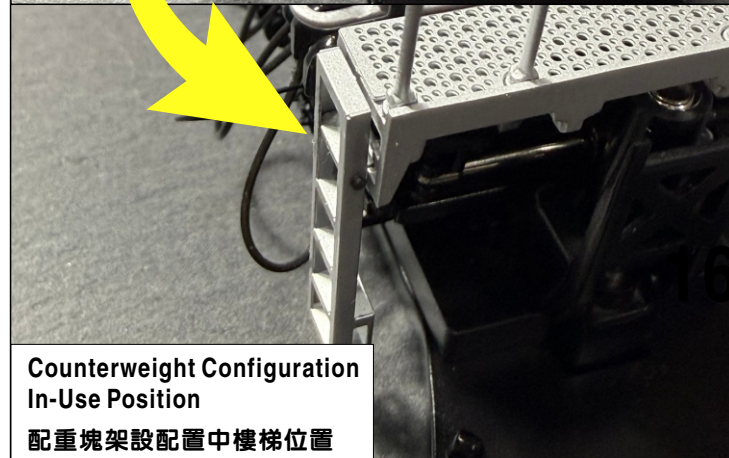


Cover removable Engine inspection (Magnetic)
 蓋板可取下引擎檢修(磁吸)



Transport/Hoisting in progress status position
 運輸/吊掛中樓梯收合狀態

Pull-out hook plate
 扳出掛勾板

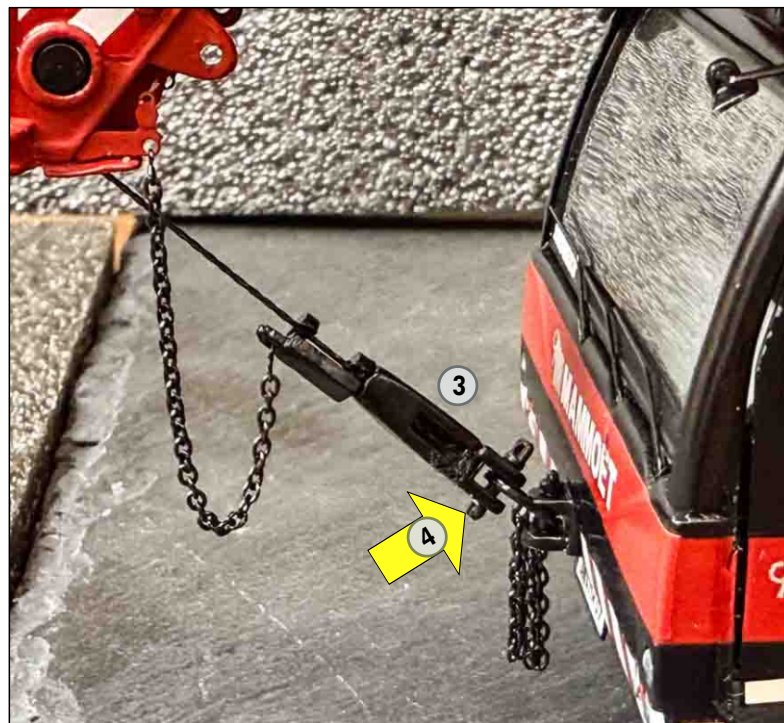


Counterweight Configuration In-Use Position

配重塊架設配置中樓梯位置



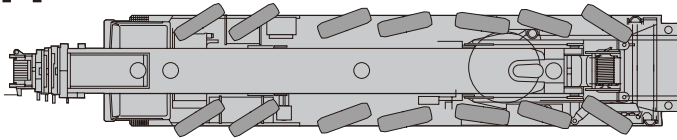
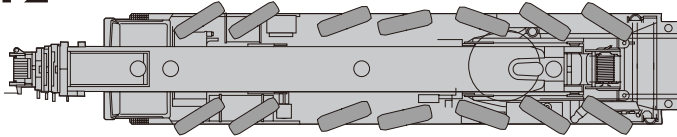
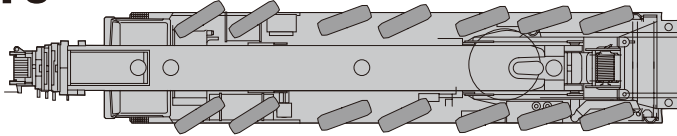
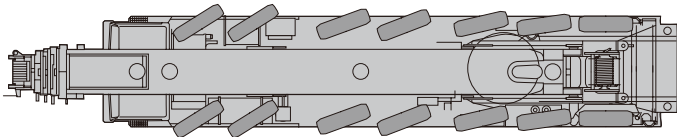
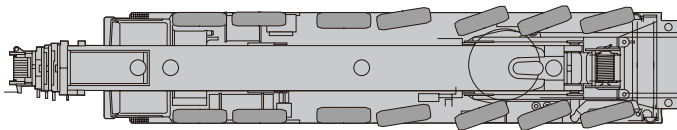
Front-mounted
method 1
車頭掛載方式 1



Front-mounted
method 2
車頭掛載方式2



 Cover plate bracket
蓋板支架

P1**P2****P3****P4****P5**

5 pre-set steering modes:

P1 Road Turn

P2 All-wheel steering

P3 Crab-like Turning

P4: Drift-free steering

P5 Manual crab-like steering

預選 5 種轉向模式：

P1 道路轉向

P2 全輪轉向

P3 蟹行轉向

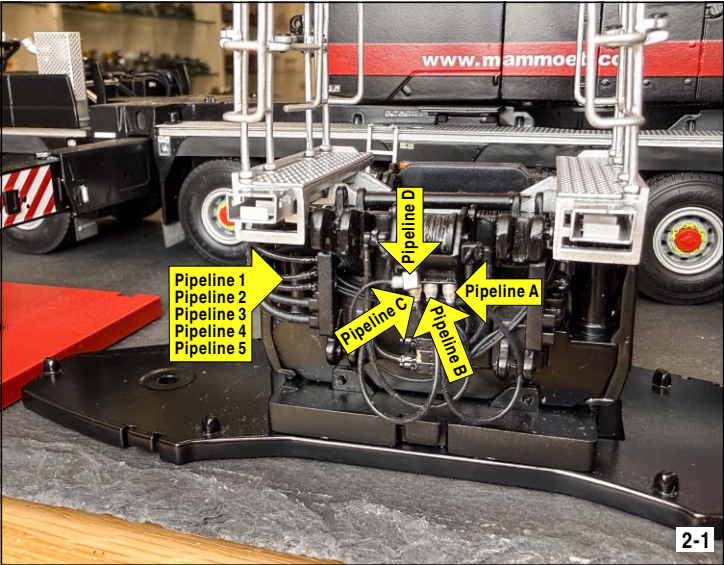
P4 無漂移轉向

P5 手動蟹行轉向



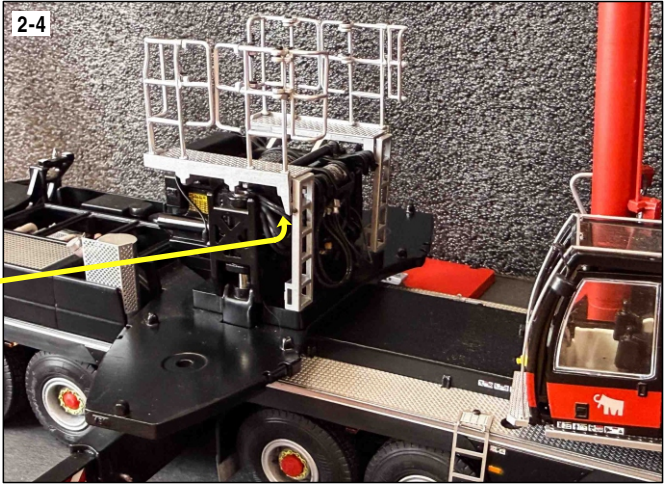
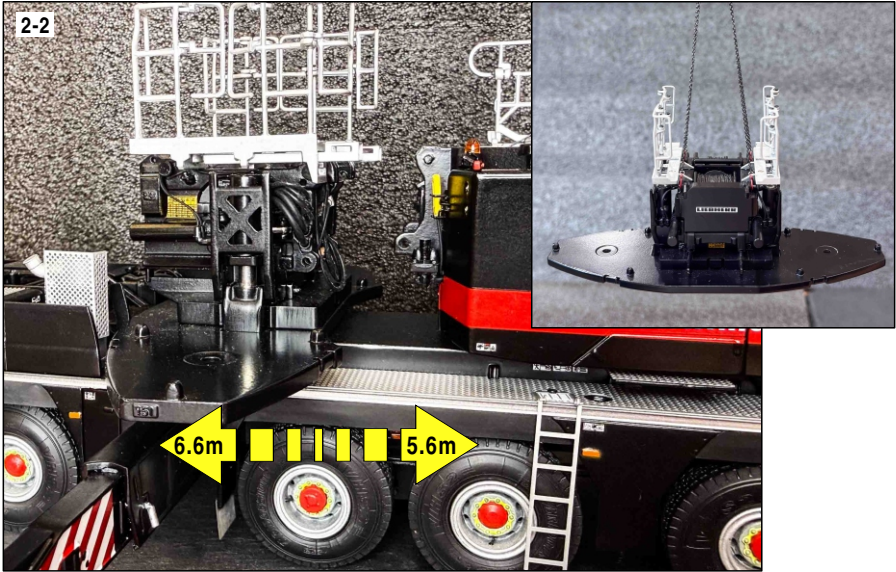
Counterweight Assembly, Method 2 (Player Mode)

配重組件安裝 方式2 (玩家模式)



Counterweight main component (Hoist winch 2) installation chassis position
Counterweight radius set to 6.6 m (pushed to the rearmost position)

配重主件(捲揚機2)安裝至車台位置
配重半徑設置於 6.6m 狀態 (推至最後方)





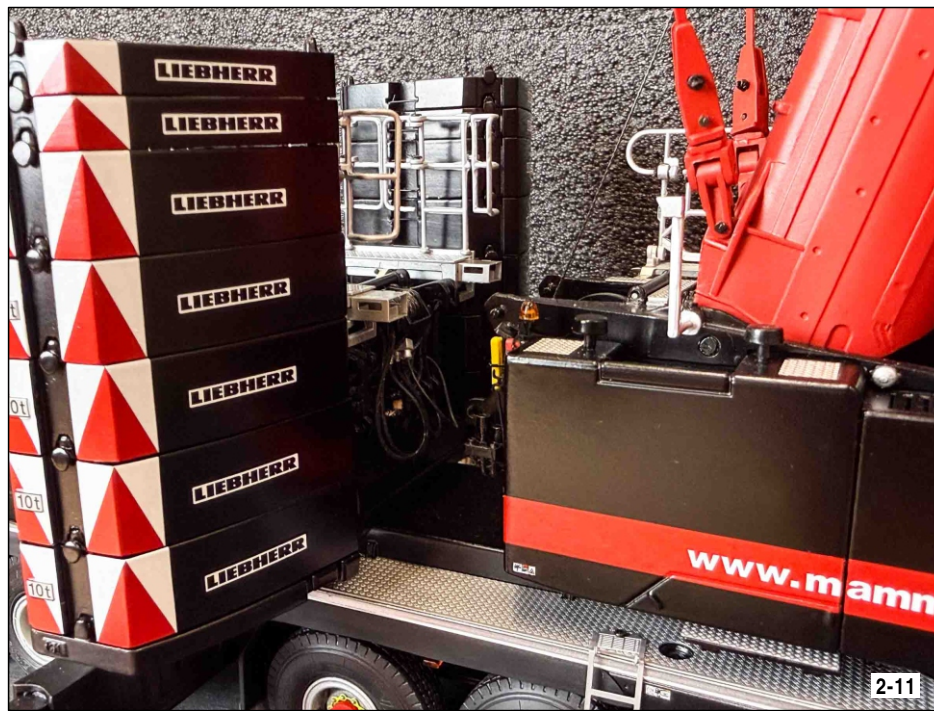
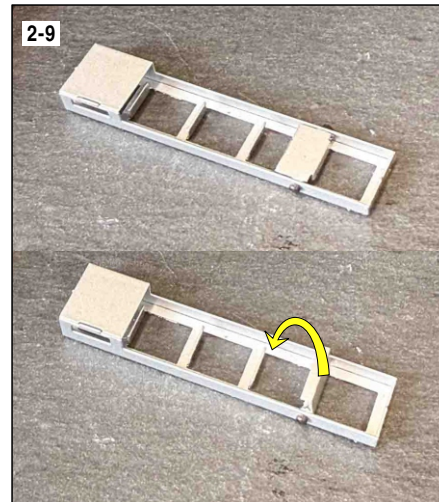
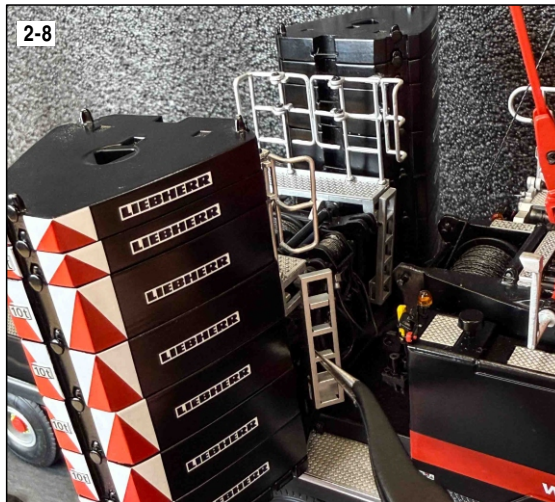
2-5

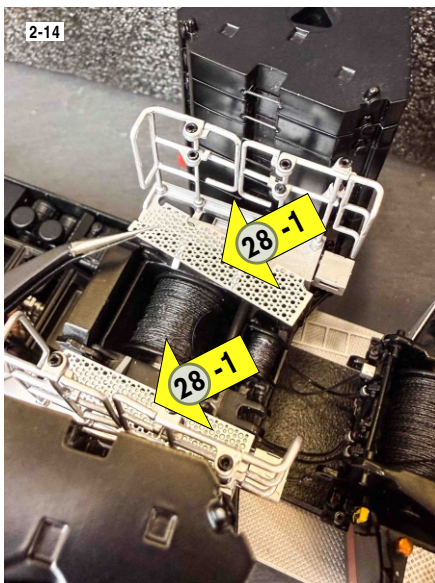
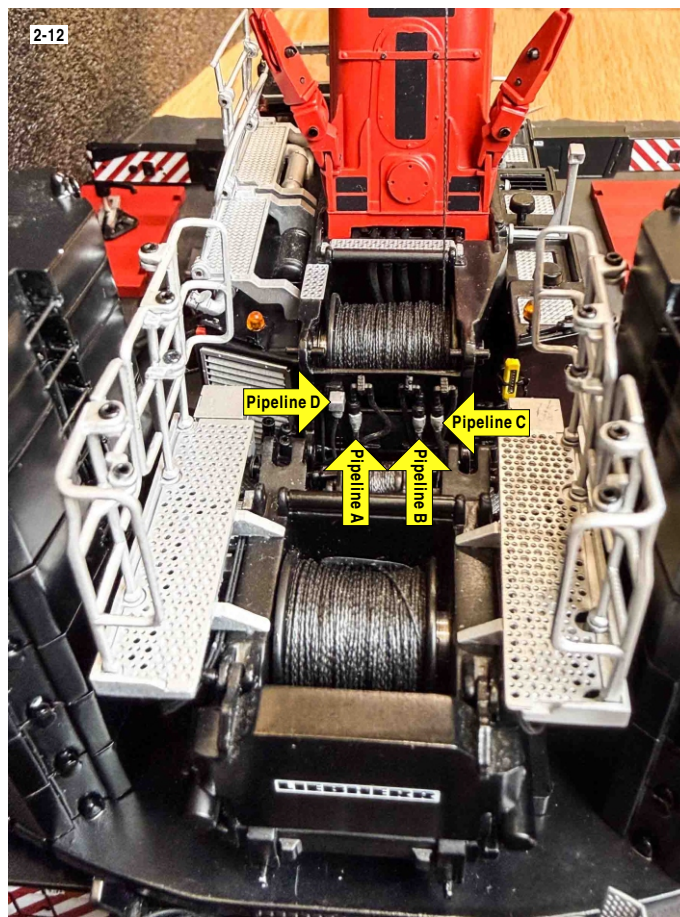
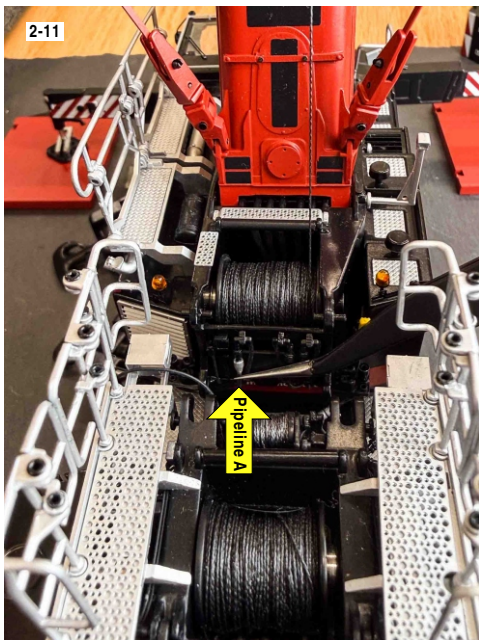


2-6



The superstructure rotates to the connection direction
上部結構旋轉至連接方向





2-12 There are four pipeline connections in total

2-13 Take out 28 -2 (Reference page 28)

2-14 Remove 28 -1

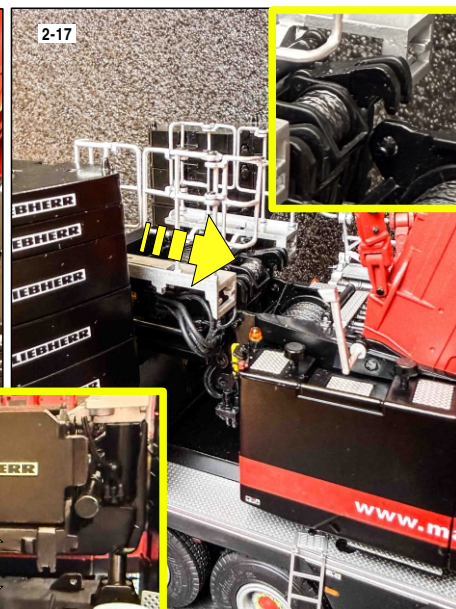
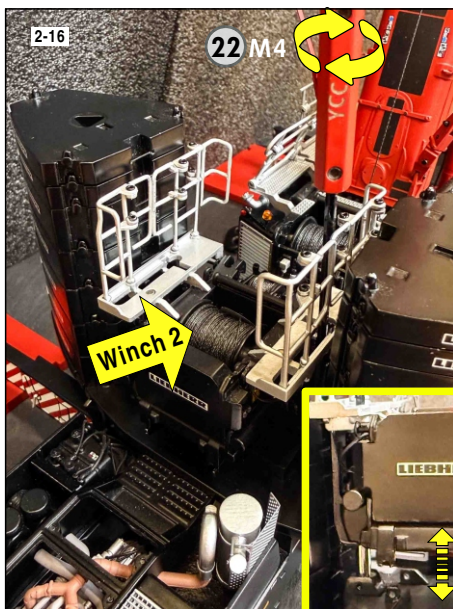
2-12 連接 Pipeline A/B/C/D 管路共四條

2-13 取出 28 -2 (參考頁面28)

2-14 取下 28 -1

24





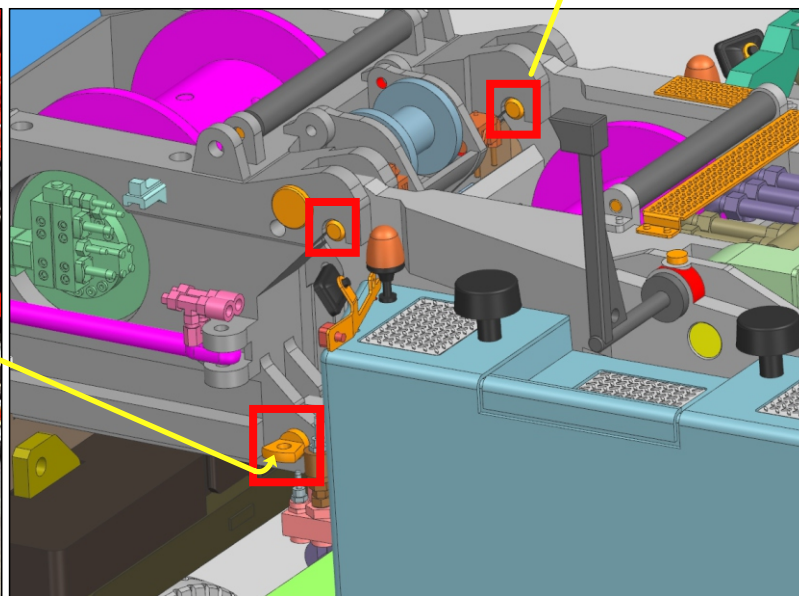
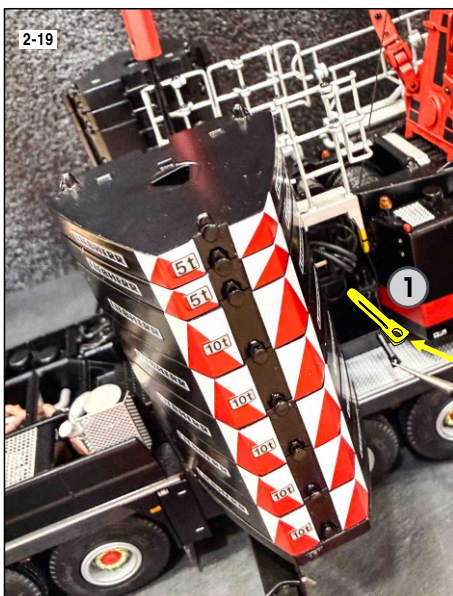
2-16

Turn the tool 22 M4 clockwise - extend

Both left and right sides must be turned evenly (For example, two turns on the left, then two turns on the right) extend cylinder to highest point.

2-17

Push the Winch 2 carriage forward to the foremost/front position.



2-18 2-19

Turn the tool 22 M4 counterclockwise - retract
Retract and lower then Install 1
two pieces total .
(one for left and one for right)

2-16

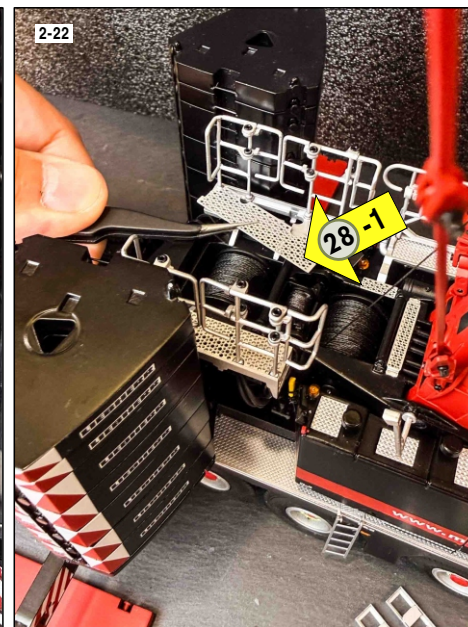
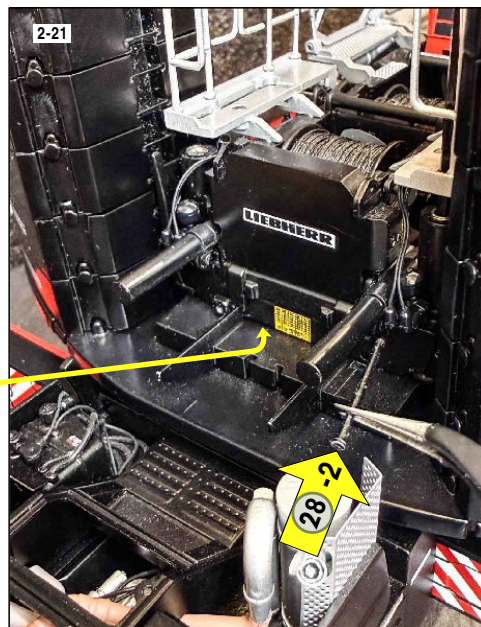
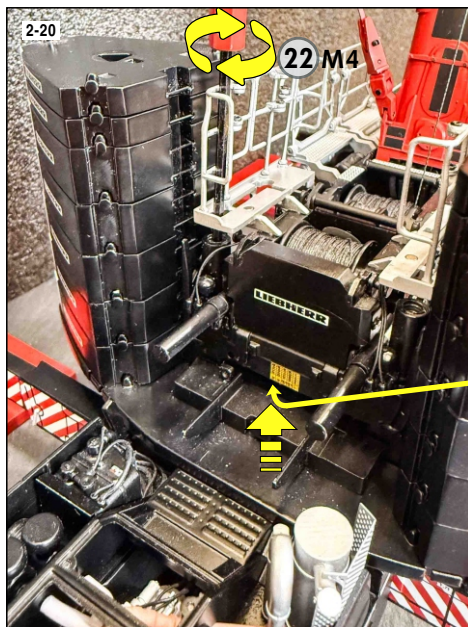
順時針方向轉動 22 M4 - 伸出
左右兩邊必須平均轉動
(例如左邊兩圈後換右邊兩圈)
伸出油缸上升到最高處。

2-17

向前堆動捲揚機2機座到最前方。

2-18 2-19

逆時針方向轉動 22 M4 - 縮回
縮回下降後安裝 1 插銷左右共兩支。

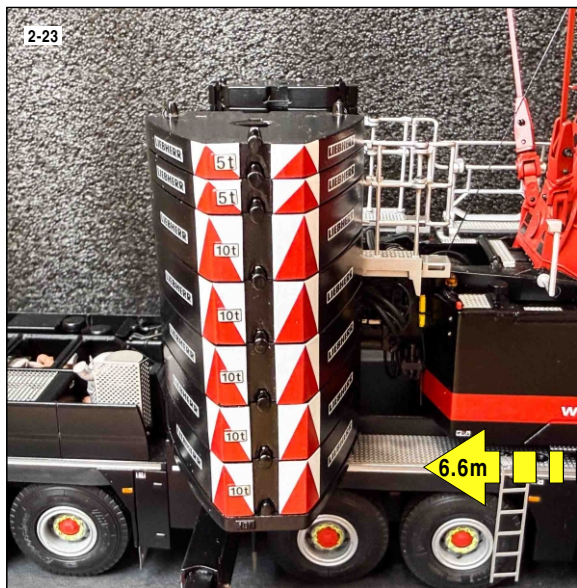


2-20 2-21

Turn the tool

22 M4
counterclockwise
- retract

Both left and right sides must be turned evenly (For example, two turns on the left, then two turns on the right), Raise the counterweight base to highest position and install the pins **28 -2**, two pins one on each side.



(Slightly adjust/rotate the tool left and right to facilitate pin installation)

2-22

Install **28 -1** Total two pieces

2-23

Counterweight radius: 6.6 m ~ 5.6 m

2-20 2-21

逆時針方向轉動工具 **22 M4** - 縮回

左右兩邊必須平均轉動

(例如左邊兩圈後換右邊兩圈)

將配重底板升到最高後安裝 **28 -2** 插銷. 左右側共兩支(左右微調轉動工具以利插銷安裝)

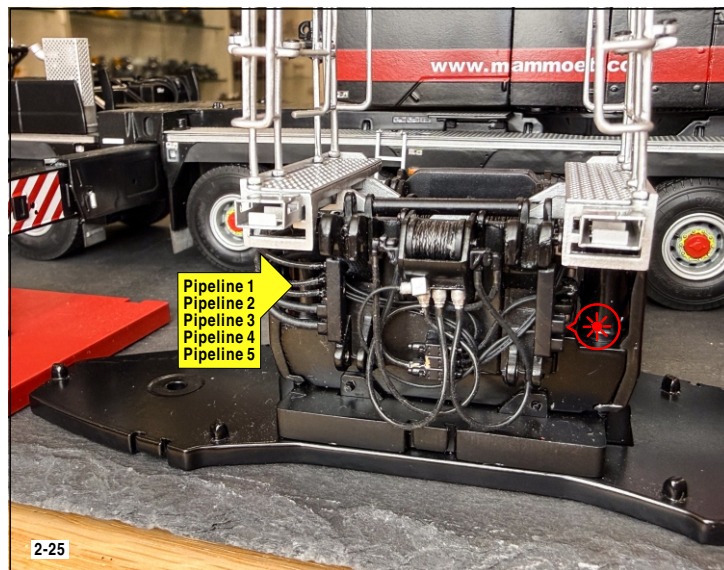
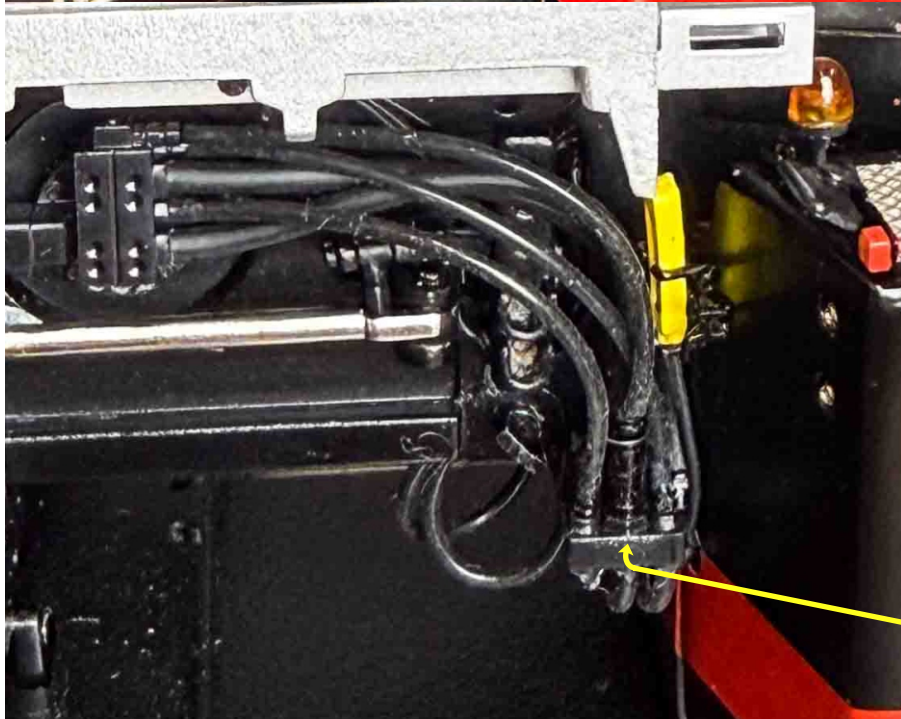
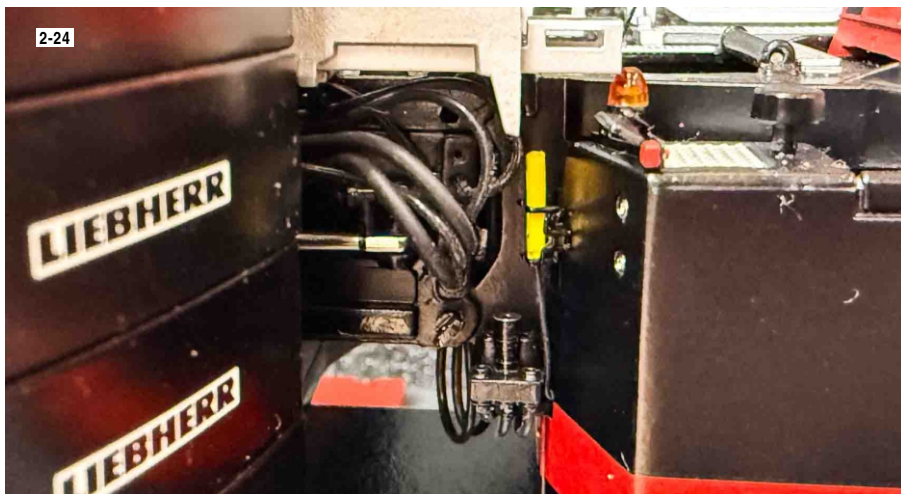
2-22

安裝 **28 -1** 共兩片

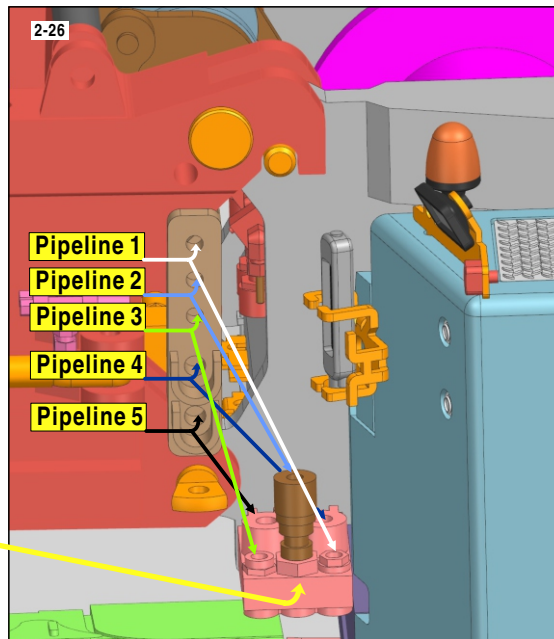
2-23

配重半徑6.6m ~ 5.6m

2-24



2-25



2-26

2-25 2-26

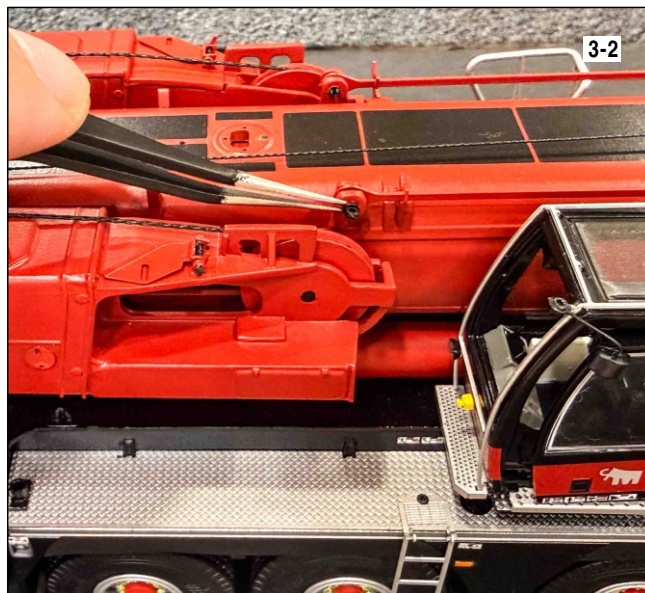
Winch 3 Piping Connection Diagram

2-25 2-26

第二捲揚機 管路連接示意圖



For winch 3
捲揚機 3 專用



Y guying system - Removal

3-1
Use Tool **23** to remove the four screws on both sides

3-2
Remove the connecting pin of the pull rod

3-3
Remove pipeline E (refer to page 17)

3-4
Use Tool **12** to lift and move away



Y型拉索加強臂支架 - 拆卸

3-1
使用工具 **23** 拆除左右共4個螺絲

3-2
取下拉桿連接插銷

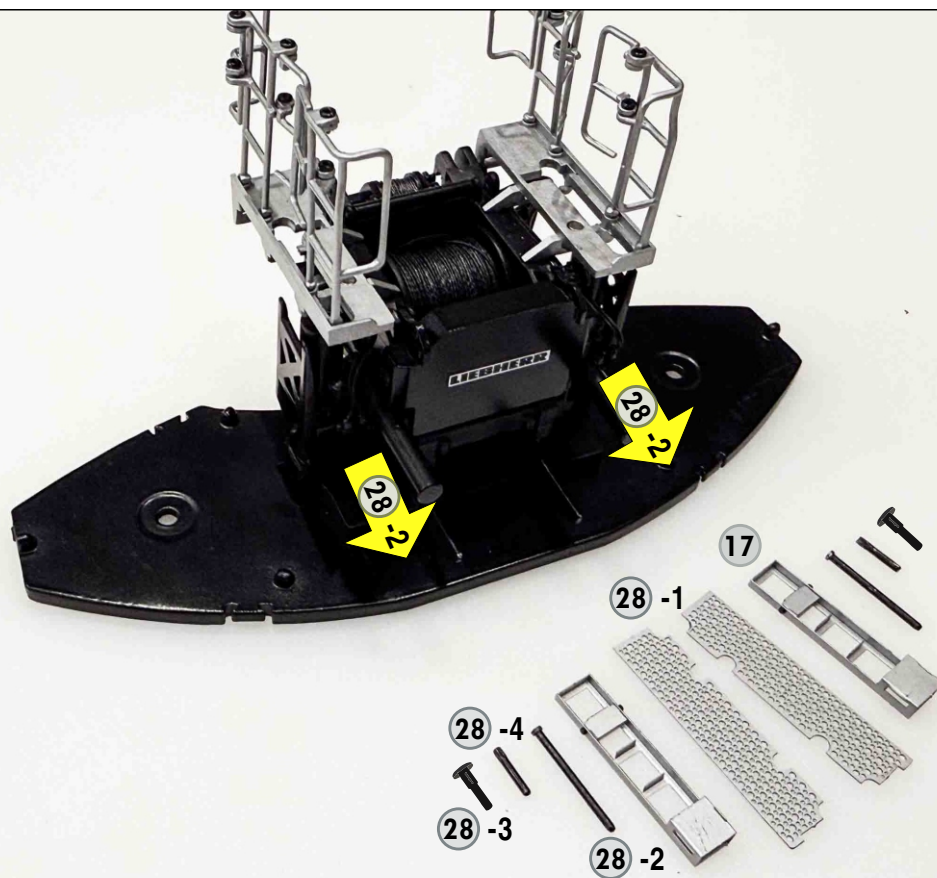
3-3
取下管路E/F (參考頁面17)

3-4
使用工具 **12** 吊掛移除

28



4-1



Parts **28**

Counterweight main component (Hoist winch 2)

Disassembling

Remove the **28** -1

Remove the **17**

Remove the **28** -3

零件 **28**

配重主件(捲揚機2)

拆卸圖

取出 **28** -1

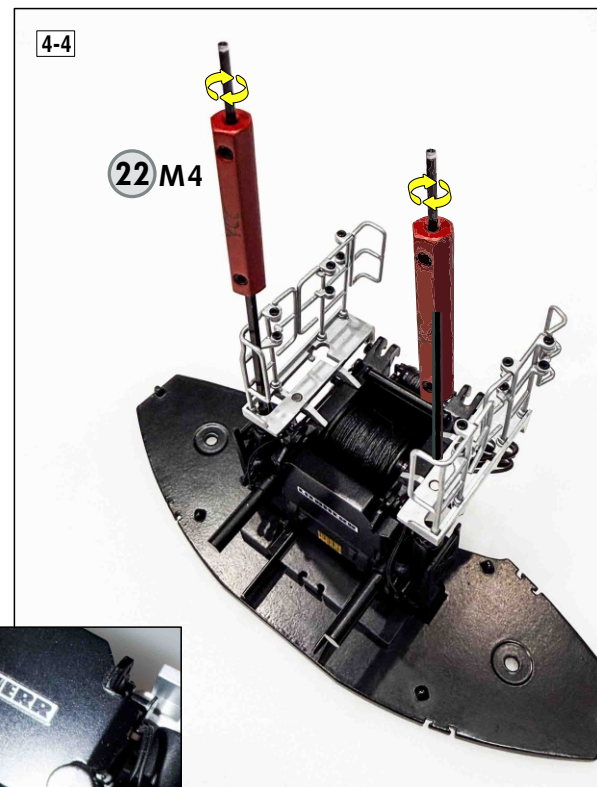
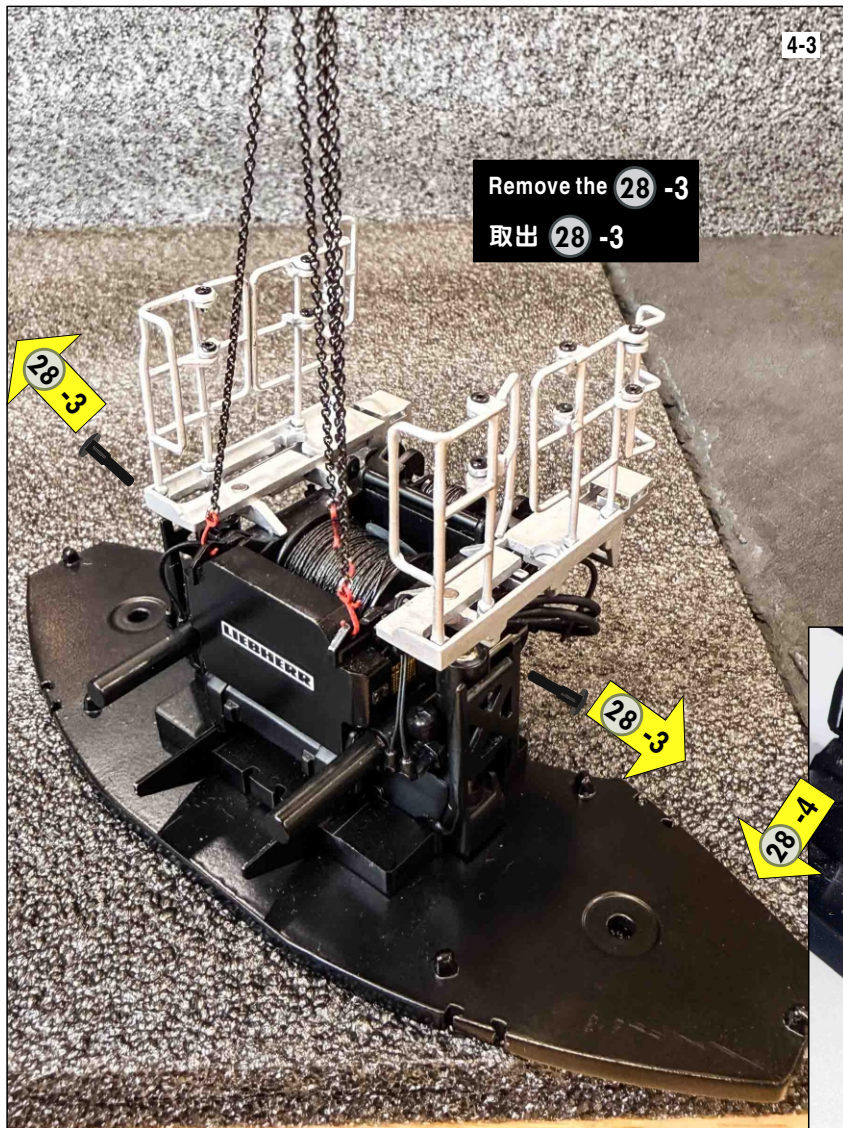
取出 **17**

取出 **28** -2



29

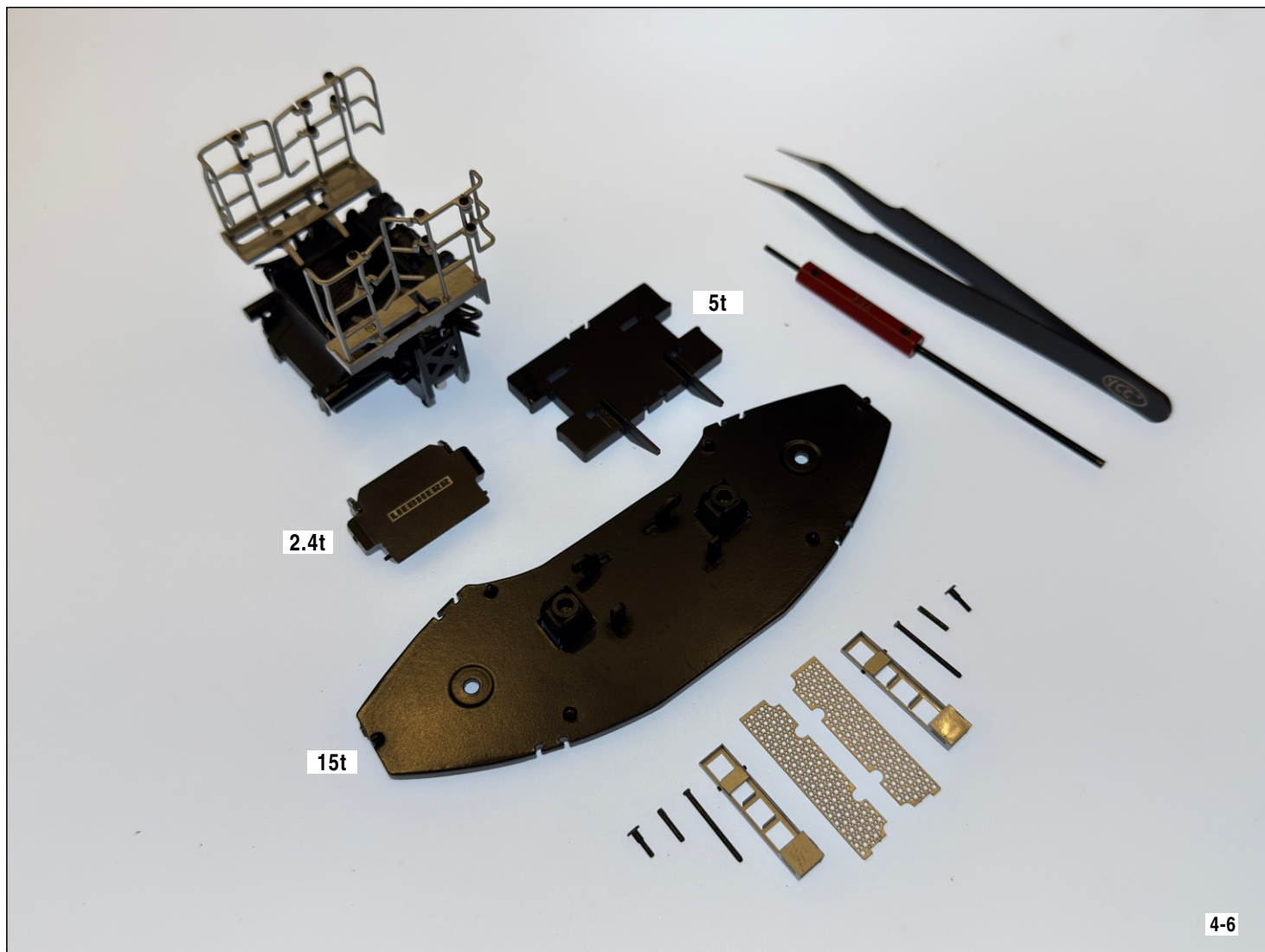
4-2



Turn the tool 22 M4 clockwise - Up
Both left and right sides must be turned evenly (For example, two turns on the left, then two turns on the right) After rising to a sufficient height, remove 28 -4

順時針方向轉動 22 M4 - 上升
左右兩邊必須平均轉動
(例如左邊兩圈後換右邊兩圈)
上升到足夠高度後取出 28 -4

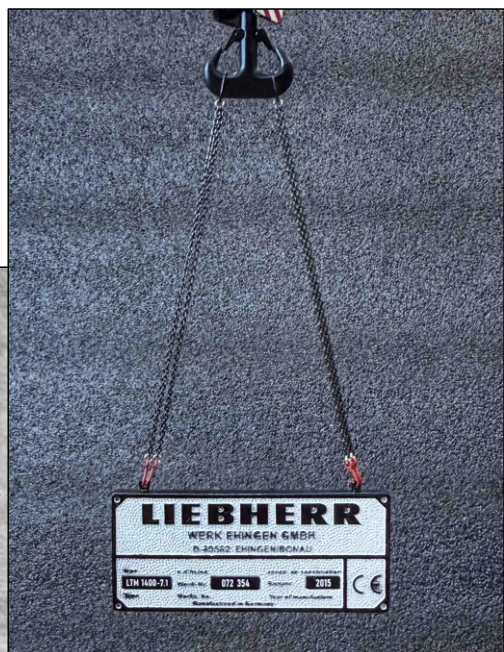


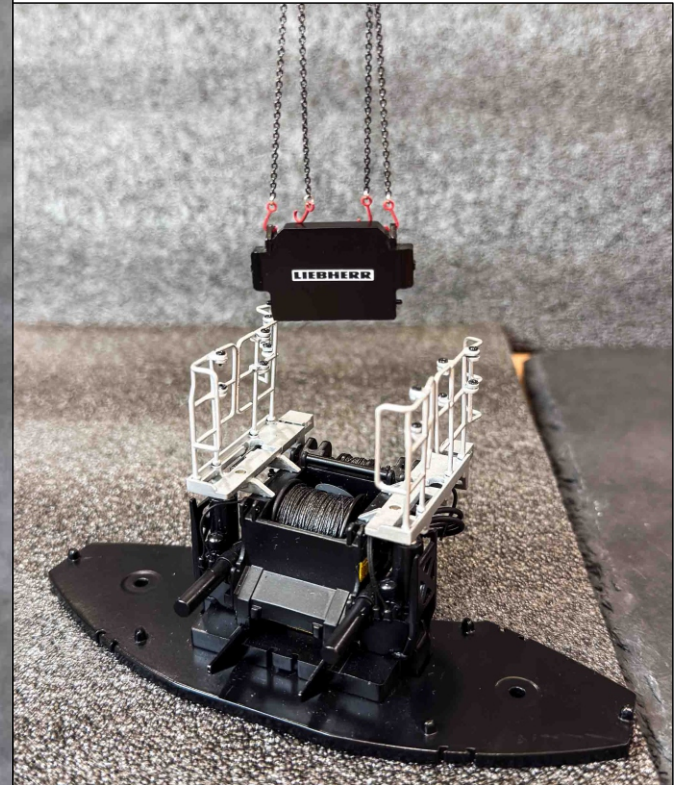


Parts 28
Counterweight main component (Hoist winch 2)
Parts distribution diagram

零件 28
配重主件(捲揚機2)
零件分布圖

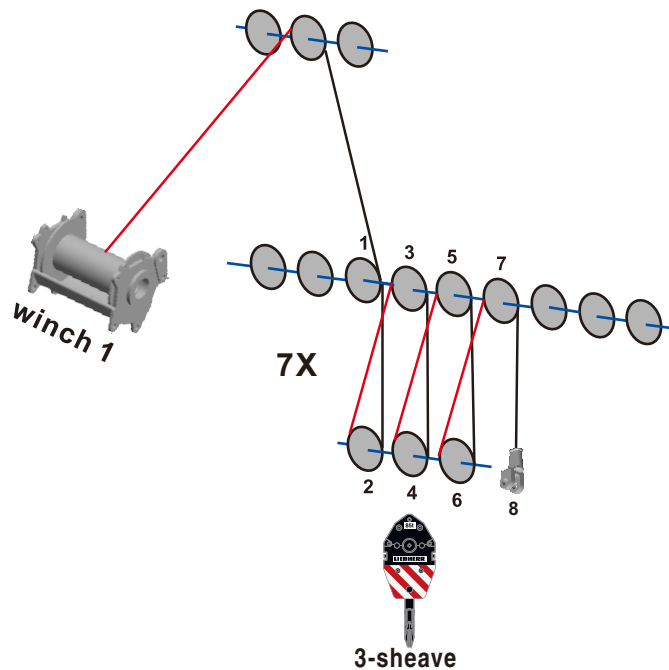
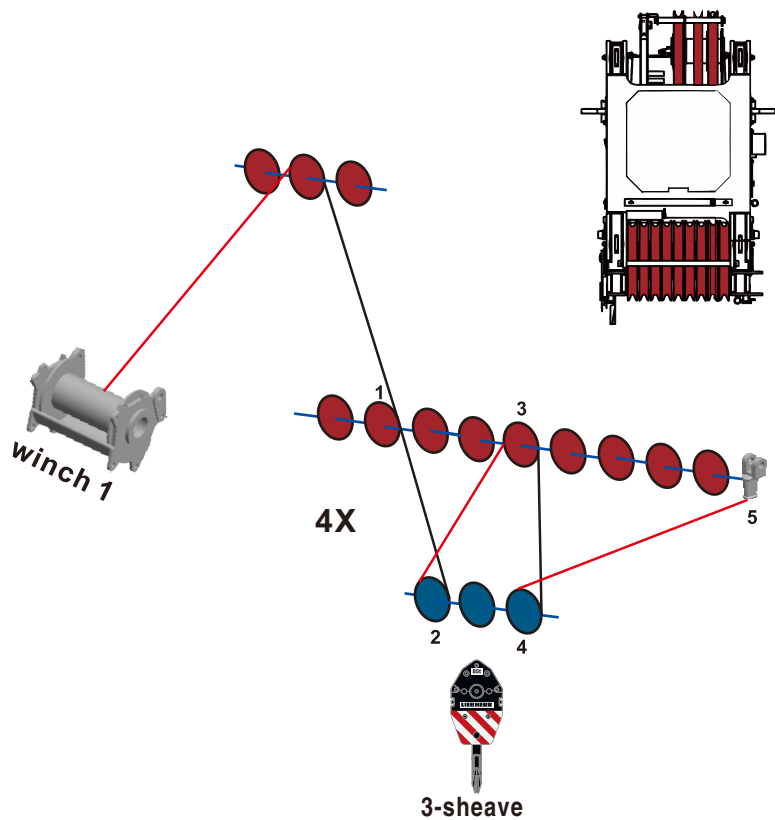
Components Lifting
零組件吊裝

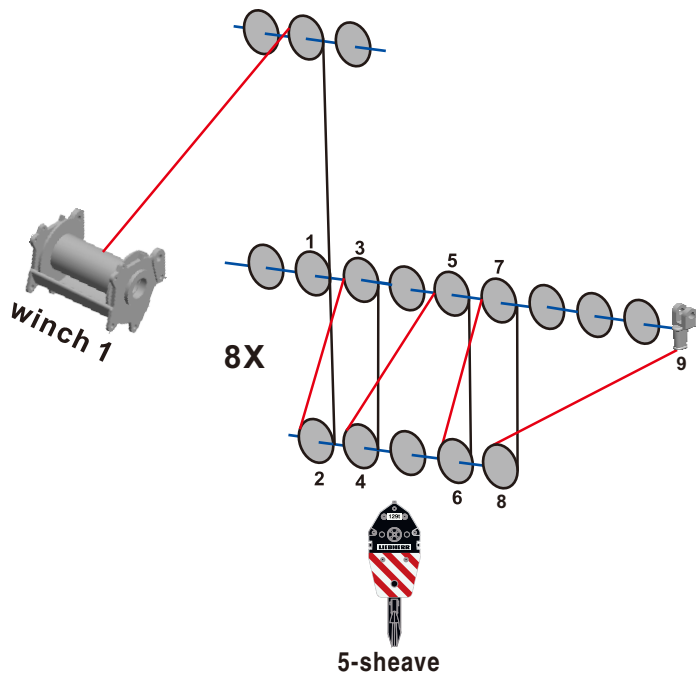




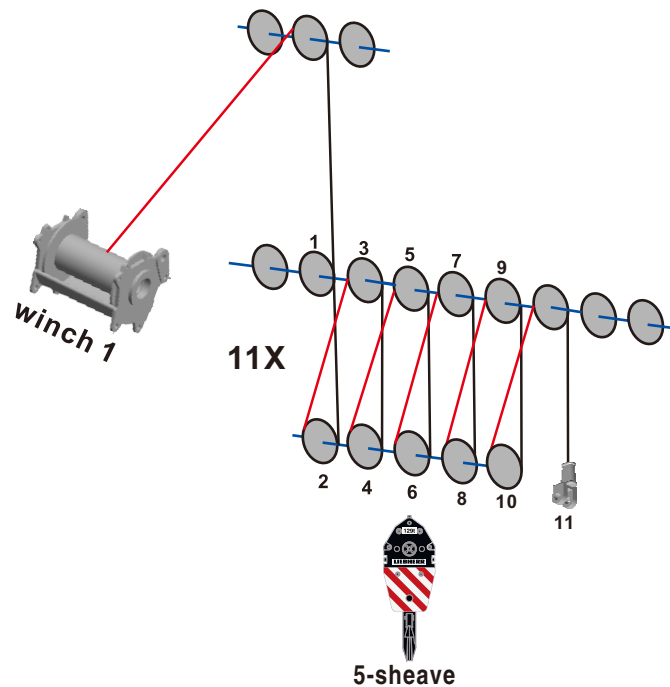
From winch to 1,
from 1 > 2, 2 > 3, etc.

Hooks hoist reeving
吊鉤纜索穿引

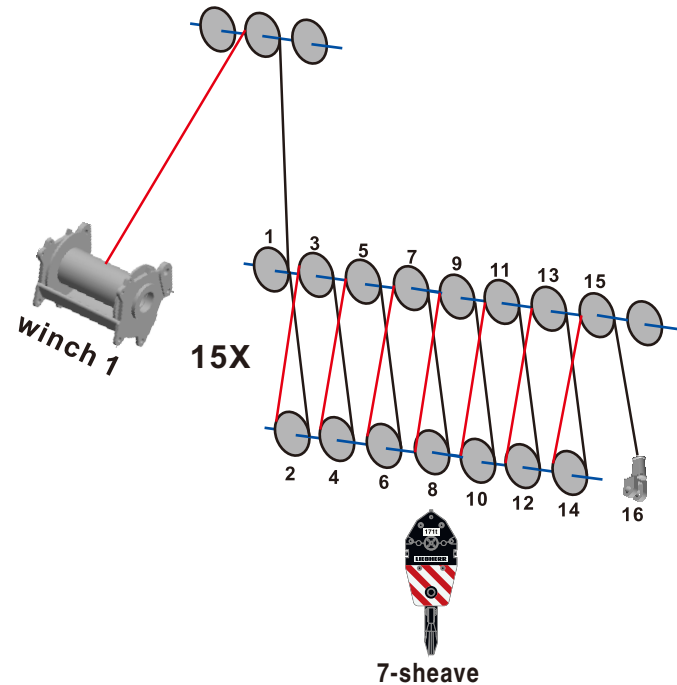
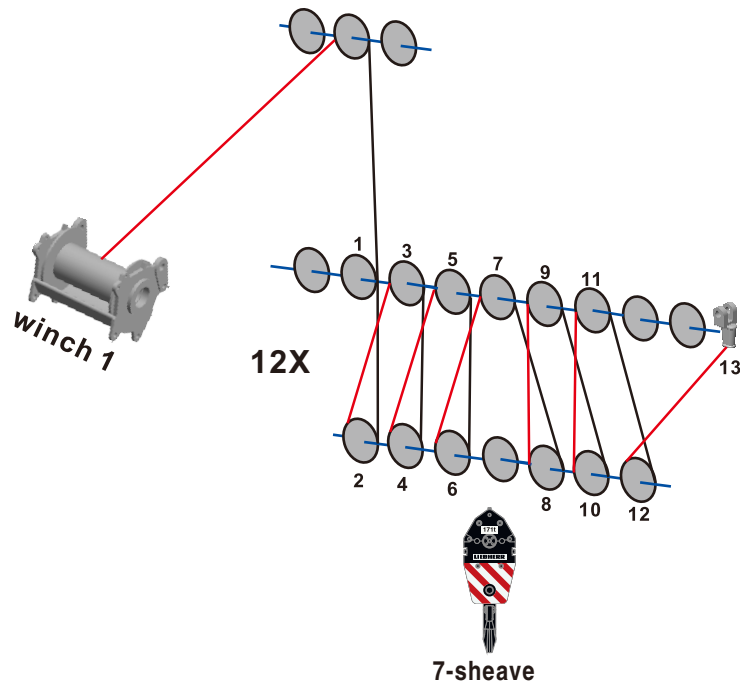


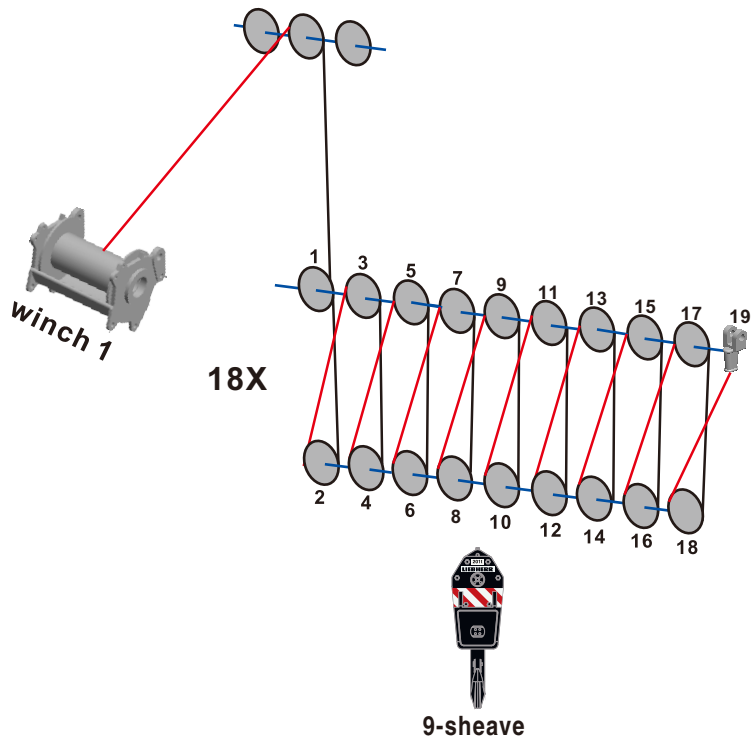


*From winch to 1,
from 1 > 2, 2 > 3, etc.*

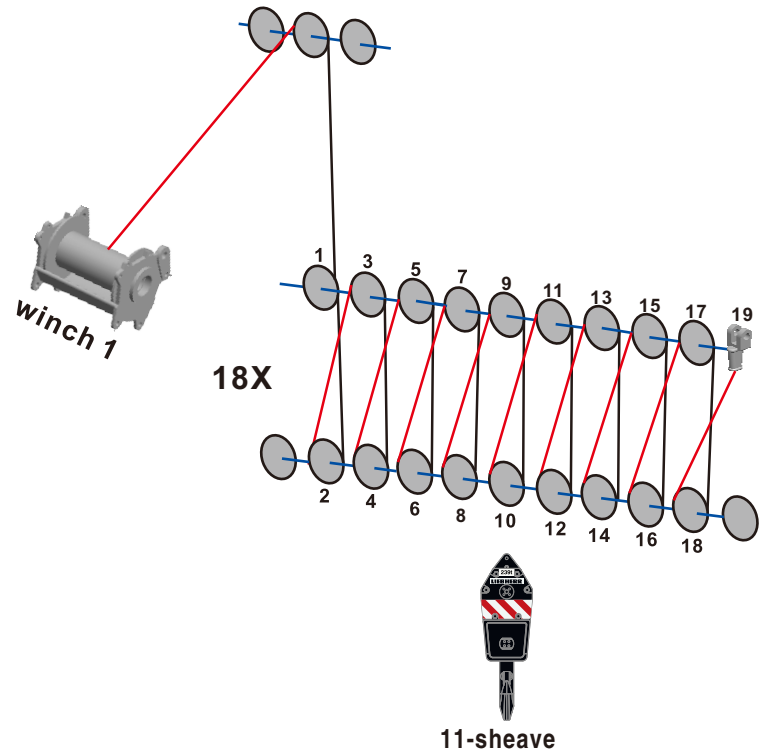


*From winch to 1,
from 1 > 2, 2 > 3, etc.*





*From winch to 1,
from 1 > 2, 2 > 3, etc.*





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