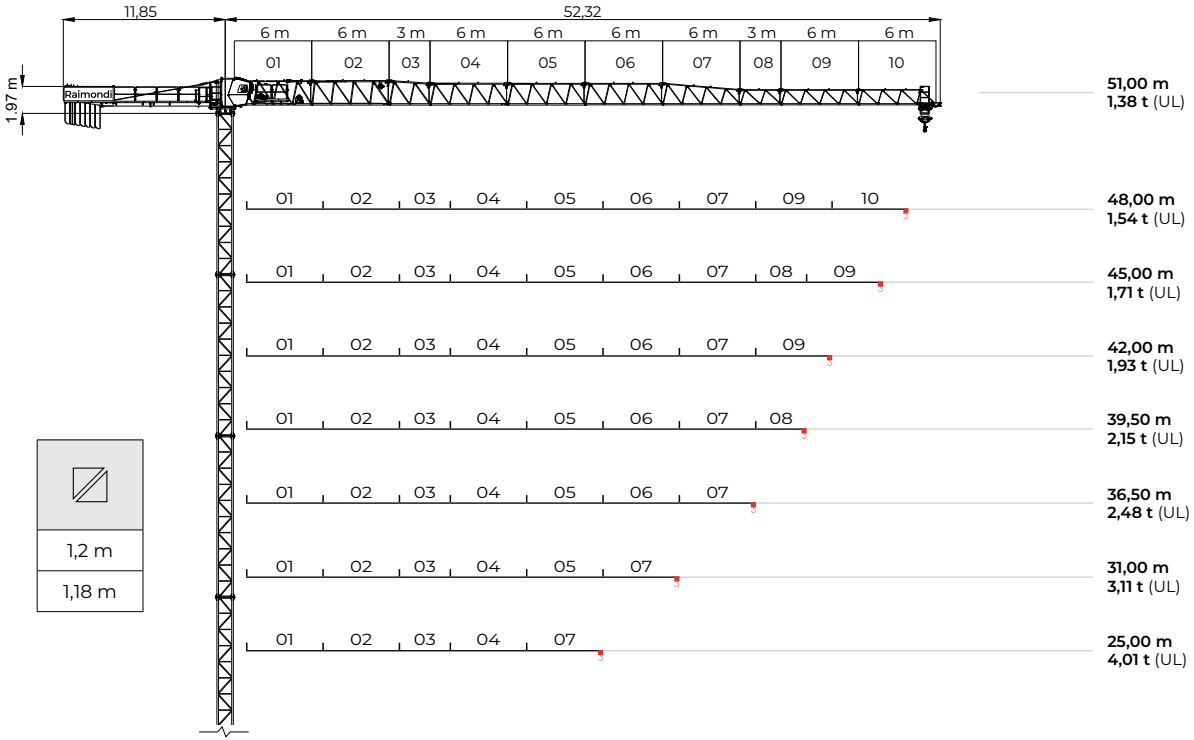
Raimondi

T87-5

5 t - 51 m

TECHNICAL DATA SHEET

Configurations	Configurazioni	Configurations	Konfigurationen	Конфигурациях



CLASS	ULTRALIFT	CONCORE	ANTICOLLISION	LUMINA	CE
80					

Mechanisms	Azionamenti	Actionnements	Antriebe	Приводы

5 t	2,5 t
	1 x 7,5 kW
MAX	0-0,8 min
	22 kW - 50 Hz
	Ø 11 - 345 m
	4 kW - 50 Hz
	Ø 7
MAX	46,2 - 110,8 m/min
	100 kVA

Counterweighting	Contrappesatura	Contrepoids	Gegenauslegerballast	балласт контр-стрелы

(m)	Q.ty x (kg 1800)	Q.ty x (kg 900)	Tot. (kg)
51	6	1	11700
48	6	1	11700
45	6	1	11700
42	6	0	10800
39,5	6	0	10800
36,5	5	1	9900
31	5	0	9000
25	4	1	8100

Load curves	Curve di carico	Courbes de charges	Lastkurven	Кривые нагрузок

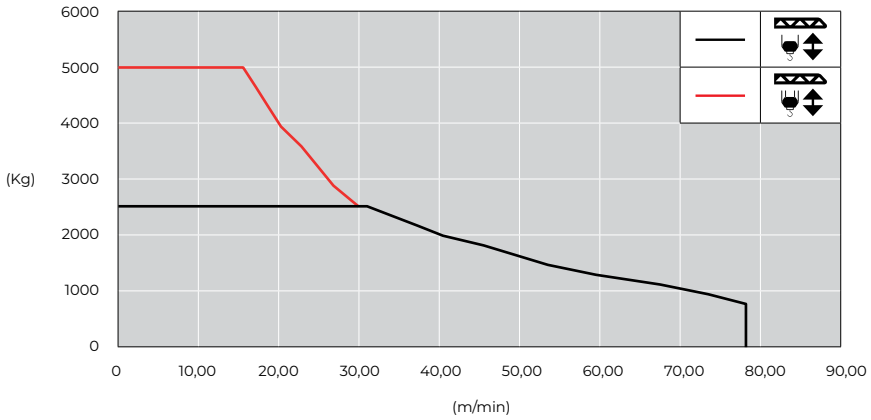
	(m)	14,00	20,00	25,00	28,00	30,00	31,00	34,00	36,50	38,00	39,50	40,00	42,00	45,00	46,00	48,00	49,00	50,00	51,00
	MAX	5 t					2,5 t												
51,0 STD	16,73	5,00	4,07	3,13	2,73	2,51	2,41	2,15	1,96	1,86	1,77	1,74	1,63	1,49	1,44	1,36	1,32	1,29	1,25
51,0 UL	17,87	5,00	4,39	3,39	2,96	2,72	2,62	2,34	2,14	2,03	1,93	1,90	1,79	1,63	1,58	1,49	1,45	1,41	1,38
48,0 STD	17,06	5,00	4,16	3,20	2,80	2,57	2,47	2,20	2,01	1,91	1,82	1,79	1,68	1,53	1,48	1,40			
48,0 UL	18,27	5,00	4,51	3,48	3,04	2,80	2,69	2,40	2,20	2,09	1,99	1,96	1,84	1,68	1,63	1,54			
45,0 STD	17,23	5,00	4,21	3,24	2,83	2,60	2,50	2,23	2,04	1,94	1,84	1,81	1,70	1,55					
45,0 UL	18,48	5,00	4,57	3,52	3,08	2,84	2,73	2,44	2,23	2,12	2,02	1,99	1,87	1,71					
42,0 STD	17,61	5,00	4,32	3,33	2,91	2,67	2,57	2,29	2,10	1,99	1,90	1,86	1,75						
42,0 UL	18,92	5,00	4,69	3,62	3,17	2,92	2,81	2,51	2,30	2,19	2,08	2,05	1,93						
39,5 STD	18,00	5,00	4,43	3,41	2,98	2,75	2,64	2,36	2,16	2,05	1,95								
39,5 UL	19,37	5,00	4,82	3,73	3,26	3,00	2,89	2,58	2,37	2,25	2,15								
36,5 STD	18,61	5,00	4,60	3,55	3,11	2,86	2,75	2,46	2,25										
36,5 UL	20,07	5,00	5,00	3,88	3,40	3,14	3,02	2,70	2,48										
31,0 STD	19,16	5,00	4,76	3,68	3,22	2,96	2,85												
31,0 UL	20,57	5,00	5,00	4,00	3,50	3,23	3,11												
25,0 STD	19,48	5,00	4,85	3,75															
25,0 UL	20,64	5,00	5,00	4,01															

Hoisting	Sollevamento	Levage	Heben	Подъем

22 kW - 50 Hz

Ø 11 - 345 m

(Kg)	(Kg)	MAX (m/min)	MAX (m/min)
2500	5000	0,63	0,31
2500	5000	31,48	15,74
2325	4650	34,63	17,31
2150	4300	37,78	18,89
1975	3950	40,92	20,46
1800	3600	46,00	23,00
1625	3250	50,00	25,00
1450	2900	54,00	27,00
1275	2550	60,00	30,00
1100	2200	68,00	34,00
925	1850	74,00	37,00
750	1500	78,70	39,35
575	1150	78,70	39,35
400	800	78,70	39,35
225	450	78,70	39,35
50	100	78,70	39,35
0	0	78,70	39,35



Height under hook | Altezza sotto gancio | Hauteur sous crochet | Höhe unter dem Haken | Высота под крюком

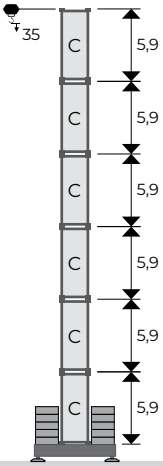
(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	---
C	1,2 CITY Light - sp./thk. 10 mm - (5,9 m)
B	---

		max
(m)	(m)	(t)
51	35	69,3

(type)	(type)	(type)	(t)
---	---	Base 3,8 m HEB600 (1,2 CITY)	4,950

WARNING!
In the T87-3 and T87-5 models, the use of the crane with a mounted control cabin results in a different wind exposure surface compared to the same crane models configured without the control cabin; therefore both configurations reach heights under hook (H.u.h.) different from each other.
This stability chart relates to cranes models T87-3 and T87-5 without a control cabin.
In case of doubt contact RAIMONDI CRANES.



(m)		(t) max	(m)							
			51	48	45	42	39,5	36,5	31	25
			(t)							
35	6xC	69,3	49,5	59,4	59,4	59,4	69,3	59,4	69,3	69,3
29,1	5xC	49,5	39,6	49,5	49,5	49,5	49,5	49,5	49,5	49,5
23,2	4xC	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6
17,3	3xC	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6

/	Not allowed configuration

For different heights contact the technical department / Per altezze diverse contattare l'ufficio tecnico / Pour des hauteurs différentes contact le département technique / Für unterschiedliche Höhen Kontakt zum Technischen / Недопустимо увеличение высоты крана без согласования с технической службой производителя

Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	---
C	1,2 CITY Light - sp./thk. 10 mm - (5,9 m)
B	---

(m)	(m)	(t)
51	34,3	---

(type)	(type)	(type)	(t)
---	1,2 CITY	---	---

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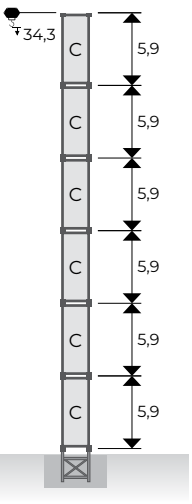

(m)		(m)							
		51	48	45	42	39,5	36,5	31	25
34,3	6xC	X	X	X	X	X	X	X	X
28,4	5xC	X	X	X	X	X	X	X	X
22,5	4xC	X	X	X	X	X	X	X	X
16,6	3xC	X	X	X	X	X	X	X	X

/	Not allowed configuration	X	Allowed configuration	1	Achievable without Booster element

For different heights contact the technical department / Per altezze diverse contattare l'ufficio tecnico / Pour des hauteurs différentes contact le département technique / Für unterschiedliche Höhen Kontakt zum Technischen / Недопустимо увеличение высоты крана без согласования с технической службой производителя

Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	---
C	1,2 CITY Standard - sp./thk. 12,5 mm - (5,9 m)
B	---

		max
(m)	(m)	(t)
51	40,9	79,2

(type)	(type)	(type)	(t)
---	---	Base 3,8 m HEB600 (1,2 CITY)	4,950

WARNING!
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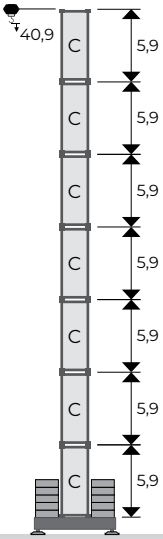

(m)		(t) max	(m)							
			51	48	45	42	39,5	36,5	31	25
			(t)							
40,9	7xC	79,2	69,3	79,2	79,2	79,2	79,2	79,2	79,2	79,2
35	6xC	69,3	49,5	59,4	59,4	59,4	69,3	59,4	69,3	69,3
29,1	5xC	49,5	39,6	49,5	49,5	49,5	49,5	49,5	49,5	49,5
23,2	4xC	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6
17,3	3xC	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6	39,6

/	Not allowed configuration

For different heights contact the technical department / Per altezze diverse contattare l'ufficio tecnico / Pour des hauteurs différentes contact le département technique / Für unterschiedliche Höhen Kontakt zum Technischen / Недопустимо увеличение высоты крана без согласования с технической службой производителя

Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	---
C	1,2 CITY Standard - sp./thk. 12,5 mm - (5,9 m)
B	---

(m)	(m)	(t)
51	40,2	---

(type)	(type)	(type)	(t)
---	1,2 CITY	---	---

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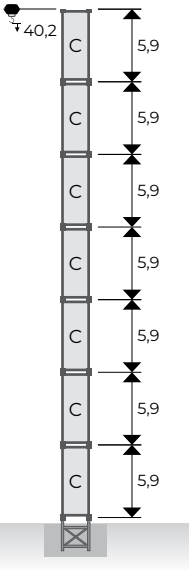

(m)		(m)							
		51	48	45	42	39,5	36,5	31	25
40,2	7xC	X	X	X	X	X	X	X	X
34,3	6xC	X	X	X	X	X	X	X	X
28,4	5xC	X	X	X	X	X	X	X	X
22,5	4xC	X	X	X	X	X	X	X	X
16,6	3xC	X	X	X	X	X	X	X	X

/	Not allowed configuration	X	Allowed configuration	1	Achievable without Booster element

For different heights contact the technical department / Per altezze diverse contattare l'ufficio tecnico / Pour des hauteurs différentes contact le département technique / Für unterschiedliche Höhen Kontakt zum Technischen / Недопустимо увеличение высоты крана без согласования с технической службой производителя

Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	1,2 CITY Light - sp./thk. 10 mm - (5,9 m)
C	1,2 CITY Standard - sp./thk. 12,5 mm - (5,9 m)
B	---

		max
(m)	(m)	(t)
51	40,9	79,2

(type)	(type)	(type)	(t)
---	---	Base 3,8 m HEB600 (1,2 CITY)	4,950

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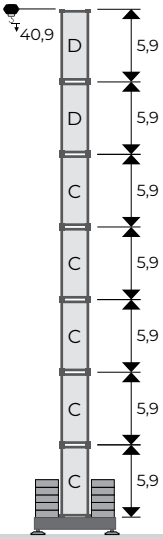

(m)		(t) max	(m)							
			51	48	45	42	39,5	36,5	31	25
			(t)							
40,9	5xC + 2xD	79,2	69,3	79,2	79,2	79,2	79,2	79,2	79,2	79,2

/	Not allowed configuration

For different heights contact the technical department / Per altezze diverse contattare l'ufficio tecnico / Pour des hauteurs différentes contact le département technique / Für unterschiedliche Höhen Kontakt zum Technischen / Недопустимо увеличение высоты крана без согласования с технической службой производителя

Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

(m)	(type)	EN 14439 C25
1,2	CITY	

E	---
D	1,2 CITY Light - sp./thk. 10 mm - (5,9 m)
C	1,2 CITY Standard - sp./thk. 12,5 mm - (5,9 m)
B	---

		max
(m)	(m)	(t)
51	40,2	---

(type)	(type)	(type)	(t)
---	1,2 CITY	---	---

WARNING!
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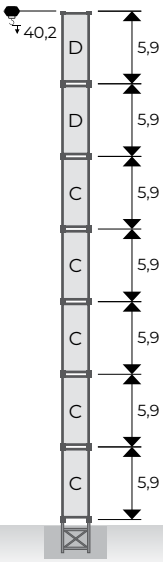

(m)		(m)							
		51	48	45	42	39,5	36,5	31	25
40,2	5xC + 2xD	X	X	X	X	X	X	X	X

/	Not allowed configuration	X	Allowed configuration	1	Achievable without Booster element

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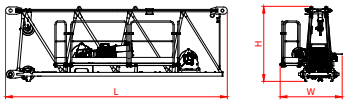
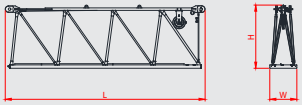
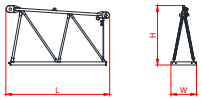
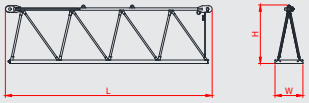
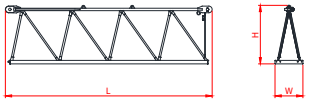
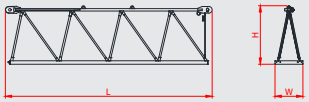
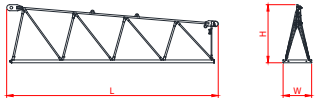
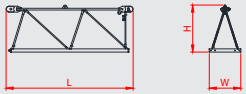
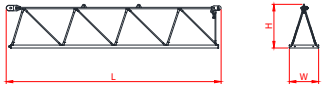
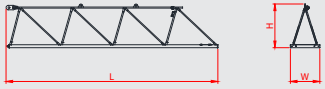
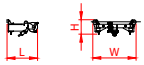
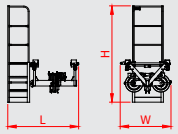
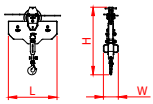
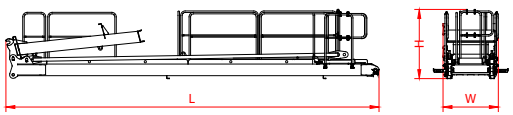
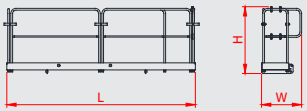
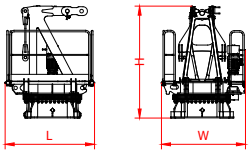
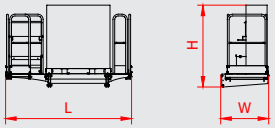
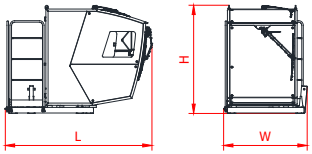
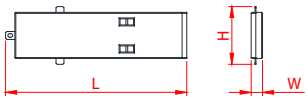
Dimensions	Dimensioni	Encombrement	Abmessungen	Размеры

ELEMENT	COMPOSITION	Q,TY	DIMENSIONS (m)			WEIGHT (kg)		DRAWING
			L	W	H	UNIT	TOTAL	
Jib element 1	Including: hoisting winch, trolley winch and accessories	1	5,93	1,66	2,01	2420	2420	
Jib element 2	Including: accessories	1	5,92	0,80	1,87	880	880	
Jib element 3	Including: accessories	1	3,25	0,80	1,86	380	380	
Jib element 4	Including: accessories	1	5,93	0,80	1,68	590	590	
Jib element 5	Including: accessories	1	5,94	0,80	1,68	500	500	
Jib element 6	Including: accessories	1	5,93	0,80	1,65	390	390	

Dimensions	Dimensioni	Encombrement	Abmessungen	Размеры

ELEMENT	COMPOSITION	Q.TY	DIMENSIONS (m)			WEIGHT (kg)		DRAWING
			L	W	H	UNIT	TOTAL	
Jib element 7	Including: accessories	1	5,92	0,80	1,63	310	310	
Jib element 8	Including: accessories	1	3,23	0,80	1,20	180	180	
Jib element 9	Including: accessories	1	5,87	0,80	1,20	270	270	
Jib element 10	Including: accessories	1	5,76	0,80	1,19	240	240	
Tip pull	Including: rope connection device	1	0,69	0,98	0,33	40	40	
Trolley pull IV - 5t	Including: balcony	1	1,51	1,09	2,05	180	180	
Hook block pull IV - 5t	---	1	1,04	0,32	1,45	190	190	

Dimensions	Dimensioni	Encombrement	Abmessungen	Размеры

ELEMENT	COMPOSITION	Q,TY	DIMENSIONS (m)			WEIGHT (kg)		DRAWING
			L	W	H	UNIT	TOTAL	
Counterjib	Including: counter-jib end section, tie rods, gratings, railings and service balcony	1	8,35	1,24	1,55	2400	2400	
Balcony (counter-jib end section)	Including: railings	1	3,65	0,78	1,30	130	130	
Turntable unit	Including: cusp	1	1,98	1,86	2,48	2050	2050	
Elecrical box balcony	Including: balcony, railings and electrical box	1	2,39	0,91	1,55	800	800	
Access balcony	Including: railings	1	3,16	1,80	2,33	1100	1100	
Counterweight block	---	1	2,95	0,37	0,94	1800	---	
Counterweight block	---	1	2,95	0,19	0,94	900	---	

Trasport	Transporto	Transporte	Transport	Транспортировка

	51 m	Top part / Parte rotante / Partie tournante / Drehender Kranteil / Поворотная часть
		Included counter weight / Contrappesi inclusi / Contrepoids inclues / Gegengewichts Blöcke inbegriffen / Противовес включен

	2 x 13,60

Control system	Sistema di controllo	Système de contrôle	Steuerungssystem	Система управления

	CONCORE

The result of extensive research and development based on customer feedback, the CONCORE control system is a latest-generation software, designed and developed in-house, for use with RAIMONDI CRANES S.p.A. a S.U. production cranes.

The control system allows the crane to be used for all its permissible purposes, the main safety systems to be constantly monitored, and the main operating functions of the machine to be parameterised and customised.

The main features of the human-machine interface are:

Colour touch screen monitor with wide viewing angle LCD
Resistive touch panel
Dedicated memory capacity
Ethernet
The SD / SDHC card slot
USB host port
Remote HMI access

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NOTES

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Key

Key	Legenda	Légende	Zeichenerklärung	Условные обозначения

	EN	IT	FR	DE	RU
UL	Load diagrams with ultralift control	Curva di carico Ultralift	Courbes de charges Ultralift	Ultralift Lastkurven	Кривой Груз Ultralift
HR	Main bearing level	Altezza ralla	Hauteur couronne	Drehsattel Hohe	Высота упорного подшипника
	Mechanisms	Azionamenti	Mécanismes	Antriebe	Приводы
	Jib	Freccia	Flèche	Kranarm	стрела крана
MAX	Hook / tower axis distance with maximum load	Interasse gancio / asse torre con carico massimo	Distance crochet / axe de la tour avec la charge maximale	Abstand Haken-Turmachse (bei maximaler Last)	Положение подъемного крюка относительно оси башни при котором можно поднять максимальный груз
	Base ballast blocks	Blocchi zavorra di base	Blocs de lest	Grundballast	блок балласта
TOPLESS	Counterweight blocks (Counterjib)	Blocco di contrappeso (Controfreccia)	Bloc de contrepoid (Contreflèche)	Gegengewichtsblöcke (gegenausleger)	Плиты противовеса (контр-стрела)
LUFFING	Counterweight blocks (Counterjib)	Blocco di contrappeso (Controfreccia)	Bloc de contrepoid (Contreflèche)	Gegengewichtsblöcke (gegenausleger)	Плиты противовеса (контр-стрела)
TOPLESS	Total counterweighting (Counterjib)	contrappesatura totale (Controfreccia)	Contrepoids total (Contreflèche)	Gesamt gegenauslegerballast (gegenausleger)	Тотальный балласт контр-стрелы (контр-стрела)
LUFFING	Total counterweighting (Counterjib)	contrappesatura totale (Controfreccia)	Contrepoids total (Contreflèche)	Gesamt gegenauslegerballast (gegenausleger)	Тотальный балласт контр-стрелы (контр-стрела)
	Hoisting	Sollevamento	Levage	Heben	Подъем
	Trolleying	Traslazione carrello	Distribution	Katzfahren	Перемещение по стреле
	Luffing	Brandeggio	Relevage	Ausleger-Einziehen	Наклон стрелы
	Slewing	Rotazione	Orientation	Schwenken	Поворот
	Tower width	Larghezza torre	Largeur de la tour	Turmelementbreite	Ширина башни
	Height under hook	Altezza sotto gancio	Hauteur sous crochet	Höhe unter dem Haken	Высота под крюком

Key	Legenda	Légende	Zeichenerklärung	Условные обозначения

	EN	IT	FR	DE	RU
	One - rope pull	Tiro a 1 fune	Tir à un câble	Einscherung 1/1	Однократная запасовка троса
	Two - rope pull	Tiro a 2 funi	Tir à deux câbles	Einscherung 2/1	Двукратная запасовка троса
	Three - rope pull	Tiro a 3 funi	Tir à trois câbles	Einscherung 3/1	Трёхкратная запасовка троса
	Four - rope pull	Tiro a 4 funi	Tir à quatre câbles	Einscherung 4/1	Четырёхкратная запасовка троса
	Base on steel pads	Base con piedi regolabili	Grue sur pieds réglables	Kran auf verstellbaren Füßen	Кран на регулируемых лапах
	Travelling base	Base traslante	Grue à traslation	Fahrbarer Kran	Кран передвижной
	Foundation legs	Gambe di fondazione	Pieds de fondation	Ankerbeine	Ножки основания
	Expendable foundation element	Tronchetto di fondazione	Elèment a sceller	Fundamentanker	Анкер
	Required power	Potenza richiesta	Puissance requise	Erforderliche Leistung	Потребляемая мощность
	Wind conditions according to: ...	Condizioni del vento secondo norma: ...	Profil de vent suivant : ...	Windbedingungen gemäss: ...	Ветровой режим в соответствии с...
	Characteristics of the rope	Caratteristiche della fune	Caractéristiques de le du câble	Eigenschaften des Seils	Характеристики веревки
	Container	Container	Conteneur	Container	Футовый контейнер
	Lorry	Camion	Camion	Lkw	Грузовой автомобиль
	Max load	Carico massimo	Charge maximale	Maximale Belastung	максимальная нагрузка
	Hook / tower axis distance	Interasse gancio / asse torre	Distance crochet / axe de la tour	Abstand Haken-Turmachse	Положение подъемного крюка относительно оси башни
	Hook / tower axis distance	Interasse gancio / asse torre	Distance crochet / axe de la tour	Abstand Haken-Turmachse	Положение подъемного крюка относительно оси башни
	Speed	Velocità	Vitesse	Geschwindigkeit	скорость

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NOTES

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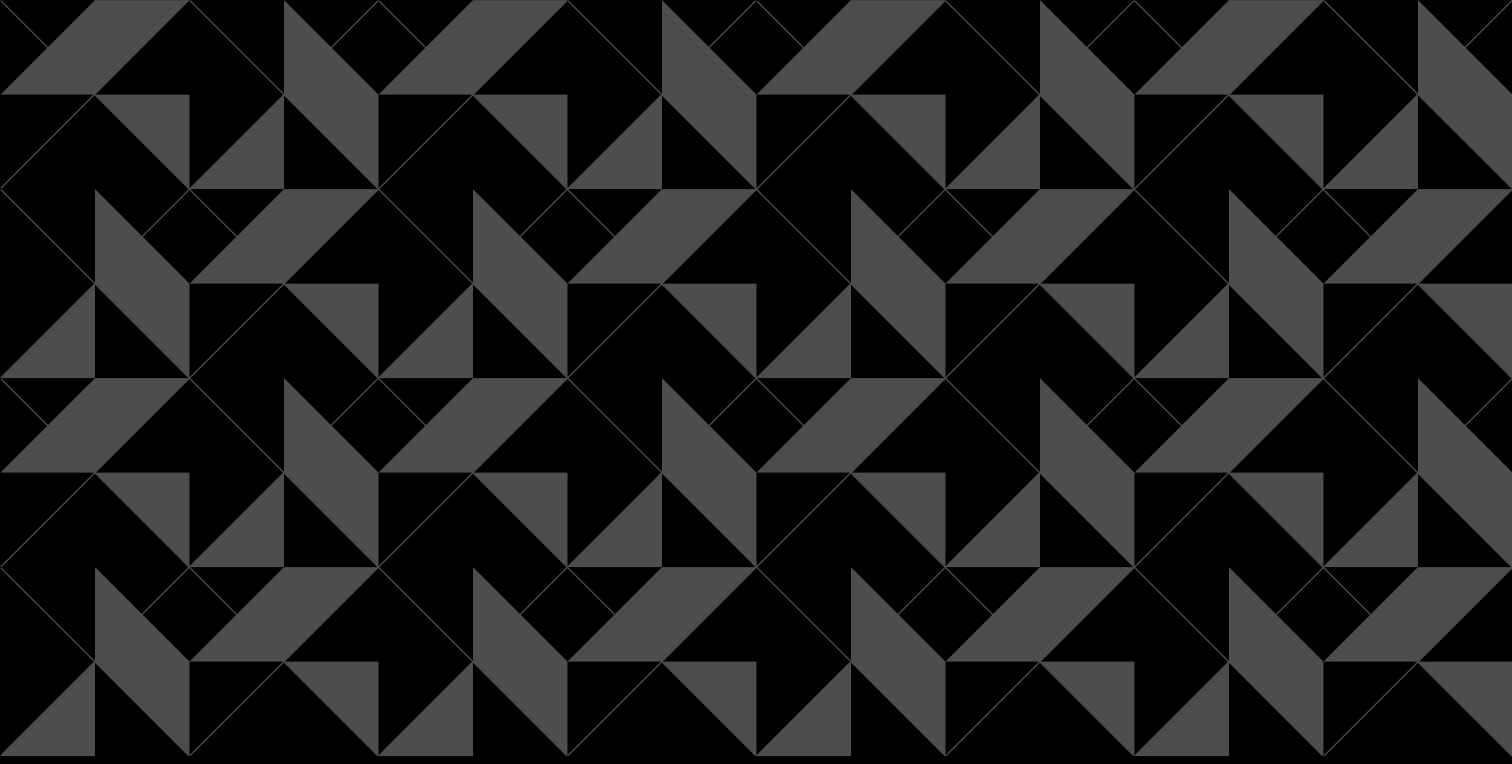

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