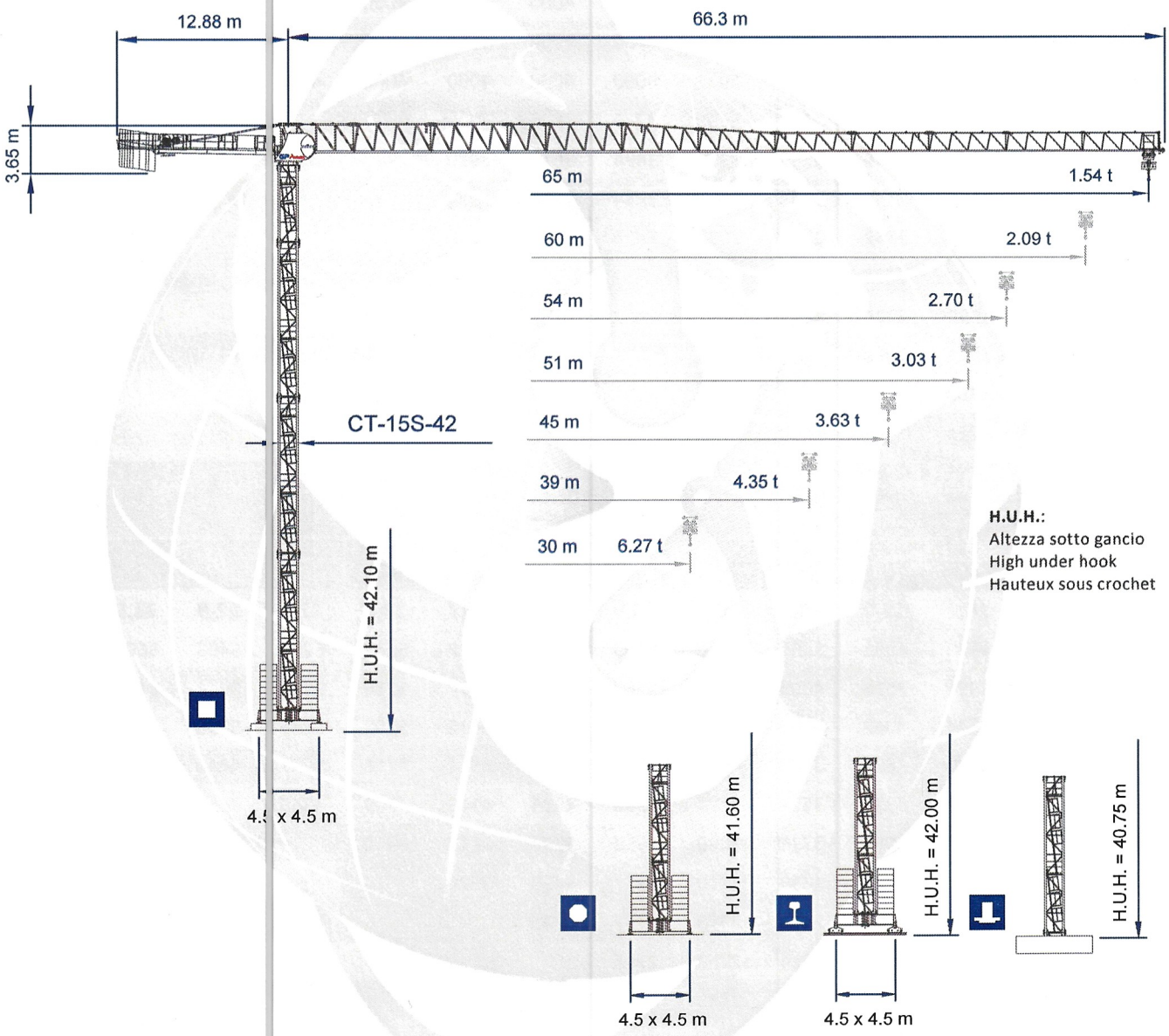
GP Autolift

GP 201 Top Line T8



REALIZZAZIONE, PROGETTAZIONE E DEPOSITO DI PROPRIETÀ DELLA GP AUTOLIFT SRL
RÉALISATION ET LA CONCEPTION DE LA PROPRIÉTÉ DÉPOSÉE PAR GP AUTOLIFT SRL
REALIZATION AND DESIGN BY GP AUTOLIFT SRL INTELLECTUAL PROPERTY

PROGETTO E DESIGN A CURA DI INGEGNER EMANUELE GREPPI
PROJECT AND DESIGN BY EMANUELE GREPPI
ARCHITECTE INGÉNIEUR CHEF M. EMANUELE GREPPI

Rev. 160112

CE EN 13001 - EN 14439 C25/D25

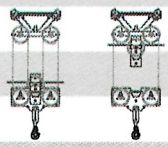
LWA 98,0 dB

jib	DIAGRAMMA DI PORTATA • LOAD DIAGRAMS • DIAGRAMME DE CHARGE • KALDIRMA KAPASITESI ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ												
[m]	65	62	60	57	54	51	48	45	42	39	36	33	30
4.0T	**29,3**	**31,0**	**34,5**	**36,9**	**38,3**	**39,9**	**41,1**	**41,3**	**42,0**	**39,0**	**36,0**	**33,0**	**30,0**
28	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
30	3899	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	**4000**
33	3496	3731	4000	4000	4000	4000	4000	4000	4000	4000	4000	**4000**	
36	3162	3376	3807	4000	4000	4000	4000	4000	4000	4000	**4000**		
39	2880	3078	3474	3762	3921	4000	4000	4000	4000	**4000**			
42	2639	2822	3190	3457	3605	3779	3906	3925	**4000**				
45	2431	2602	2945	3193	3331	3494	3612	**3630**					
48	2249	2409	2730	2963	3092	3244	**3355**						
51	2089	2240	2542	2760	2882	**3025**							
54	1947	2089	2374	2581	**2695**								
57	1820	1955	2224	**2420**									
60	1706	1834	**2090**										
62	1637	**1760**											
65	**1540**												



GP 201 Top line AL T4

jib	DIAGRAMMA DI PORTATA • LOAD DIAGRAMS • DIAGRAMME DE CHARGE • KALDIRMA KAPASITESI ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ												
[m]	65	62	60	57	54	51	48	45	42	39	36	33	30
8.0T	**15,3**	**16,2**	**18,0**	**19,3**	**20,0**	**20,9**	**21,5**	**21,7**	**22,4**	**22,5**	**22,9**	**23,5**	**22,9**
28	4037	4320	4881	5290	5520	5790	5987	6022	6247	6298	6405	6600	6766
30	3727	3991	4516	4895	5108	5360	5544	5577	5786	5833	5934	6115	**6270**
33	3335	3574	4048	4394	4588	4816	4983	5012	5202	5245	5336	**5500**	
36	3009	3228	3662	3978	4155	4364	4517	4544	4718	4757	**4840**		
39	2735	2937	3336	3628	3791	3983	4124	4149	4309	**4345**			
42	2500	2687	3058	3328	3480	3658	3788	3812	**3960**				
45	2297	2472	2817	3069	3210	3377	3498	**3520**					
48	2121	2284	2607	2843	2975	3131	**3245**						
51	1965	2118	2422	2644	2769	**2915**							
54	1826	1971	2258	2468	**2585**								
57	1703	1840	2112	**2310**									
60	1524	1722	**1980**										
62	1524	**1650**											
65	**1430**												



+ 70 Kg

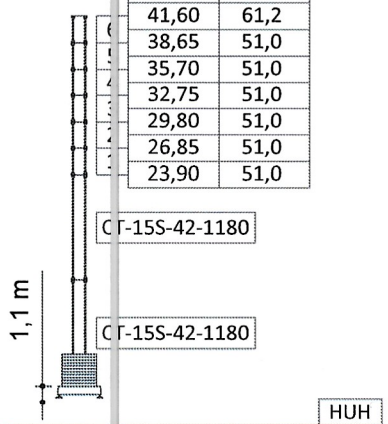
GP 201 Top line AL T8

AUTOLIFT Senza il sistema Autolift tutte le portate intermedie diminuiscono il carico del 10% / All intermediate loads are decreased of 10% if the crane is not equipped with Autolift control / Les charges intermediaires sont diminuées de 10% si la grue n'est pas équipé d'un controle Autolift / Eğer kreyn Autolift sistemi ile donatılmamışsa, bütün orta seviye yüklemelerde kapasite %10 azalır.- (Autolift, GPA tarafından opsiyonel olarak sunulmaktadır) / БЕЗ Autolift ПРОМЕЖУТОЧНОЙ УМЕНЬШАЕТСЯ НА 10% НАГРУЗКИ.

CONFIGURAZIONI TORRE - REAZIONI • TOWER CONFIGURATION
MAT - RÉACTIONS • KULE VINÇ KONFIGÜRASYONU - REAKSIYONLAR • КОНФИГУРАЦИЯ БАШНИ - РЕАКЦИИ

CT - 15S - 42

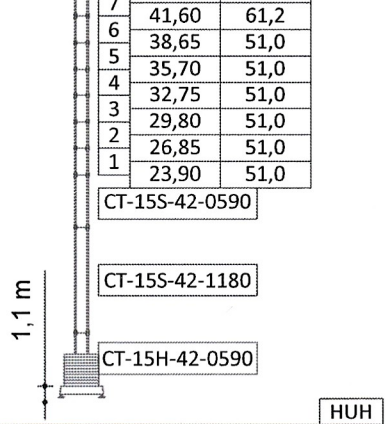
	C25/D25
HUH	Z
41,60	61,2
38,65	51,0
35,70	51,0
32,75	51,0
29,80	51,0
26,85	51,0
23,90	51,0



			HUH
●	CBH08-45-CTS-17-15	R1 632	+ 0,0
I	TR-CBH08-45	R1 632	+ 0,4
■	AC-CBH08-450	R1 632	+ 0,5

CT - 15S - 42 / CT - 15H - 42

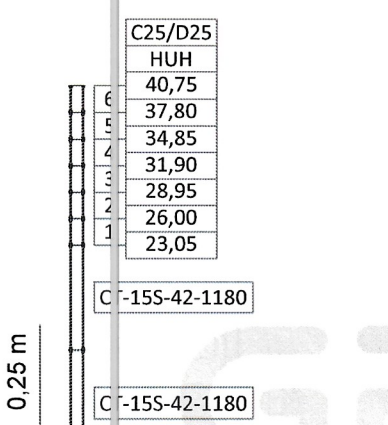
		C25/D25
	HUH	Z
7	44,55	71,4
6	41,60	61,2
5	38,65	51,0
4	35,70	51,0
3	32,75	51,0
2	29,80	51,0
1	26,85	51,0
	23,90	51,0



			HUH
●	CBH08-45-CTS-17-15	R1 983	+ 0,0
I	TR-CBH08-45	R1 983	+ 0,4
■	AC-CBH08-450	R1 983	+ 0,5

CT - 15S - 42

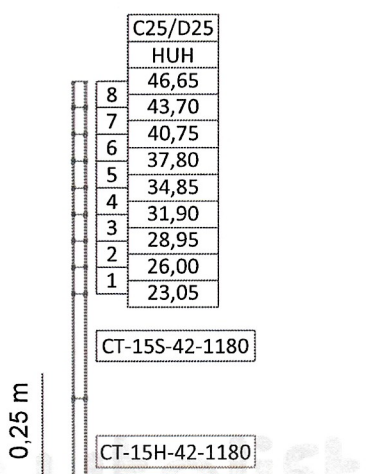
	C25/D25
	HUH
6	40,75
5	37,80
4	34,85
3	31,90
2	28,95
1	26,00
	23,05



⊥	EE-CT15S-42	R1 1483	R2 1224

CT - 15S - 42 / CT - 15H - 42

	C25/D25
	HUH
8	46,65
7	43,70
6	40,75
5	37,80
4	34,85
3	31,90
2	28,95
1	26,00
	23,05



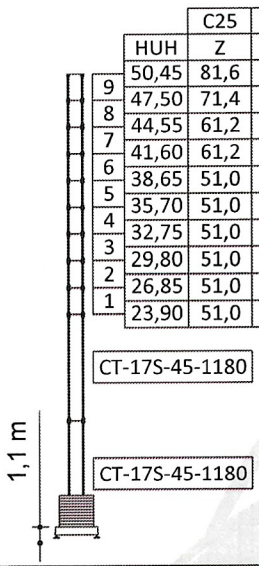
⊥	EE-CT15H-42	R1 2025	R2 1754

CT-15S-42: Torre standard city - Standard city tower - Mature standard city

CT-15H-42: Torre Booster city - Booster city tower - Mature Booster city

CT - 17S - 45

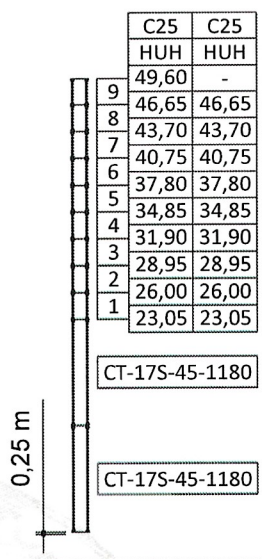
	C25	D25
HUH	Z	Z
9	50,45	81,6	-
8	47,50	71,4	-
7	44,55	61,2	61,2
6	41,60	61,2	61,2
5	38,65	51,0	51,0
4	35,70	51,0	51,0
3	32,75	51,0	51,0
2	29,80	51,0	51,0
1	26,85	51,0	51,0
	23,90	51,0	51,0



			HUH
	CBH08-45-CTS-17-15	R1 868	+ 0,0
	TR-CBH08-45	R1 868	+ 0,4
	AC-CBH08-450	R1 868	+ 0,5

CT - 17S - 45

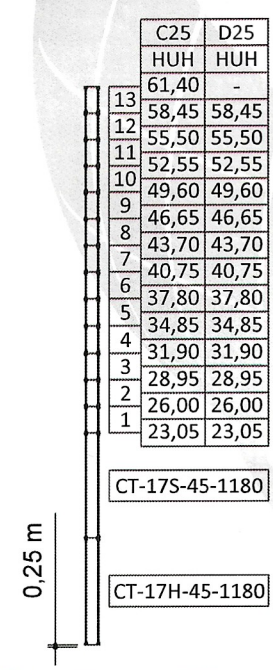
	C25	C25
HUH	HUH
9	49,60	-
8	46,65	46,65
7	43,70	43,70
6	40,75	40,75
5	37,80	37,80
4	34,85	34,85
3	31,90	31,90
2	28,95	28,95
1	26,00	26,00
	23,05	23,05



	EE-CT17S-45	R1 1359	R2 1073

CT - 17S - 45 / CT - 17H - 45

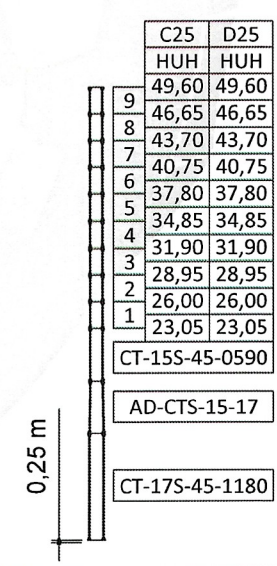
	C25	D25
HUH	HUH
13	61,40	-
12	58,45	58,45
11	55,50	55,50
10	52,55	52,55
9	49,60	49,60
8	46,65	46,65
7	43,70	43,70
6	40,75	40,75
5	37,80	37,80
4	34,85	34,85
3	31,90	31,90
2	28,95	28,95
1	26,00	26,00
	23,05	23,05



	EE-CT17H-45	R1 2309	R2 1994

CT - 15S - 42 / CT - 17S - 45

	C25	D25
HUH	HUH
9	49,60	49,60
8	46,65	46,65
7	43,70	43,70
6	40,75	40,75
5	37,80	37,80
4	34,85	34,85
3	31,90	31,90
2	28,95	28,95
1	26,00	26,00
	23,05	23,05

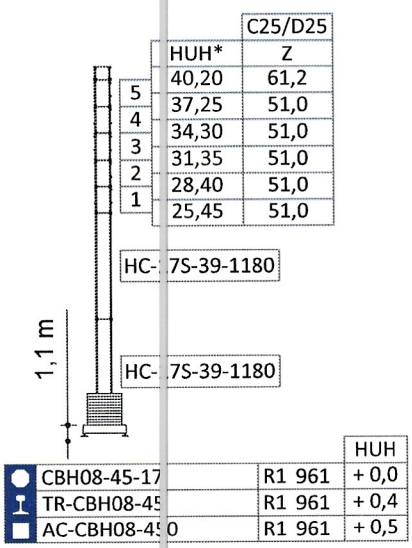


	EE-CT17S-45	R1 1359	R2 1073

CT-17S-45: Torre standard city - Standard city tower - Mature standard city

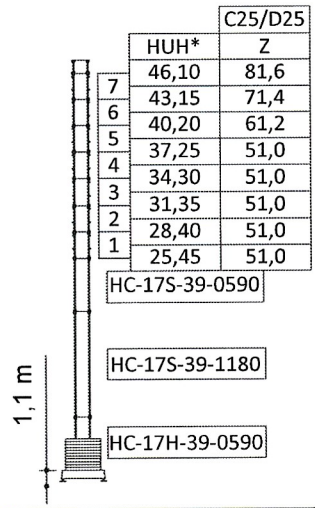
CT-17H-42: Torre Booster city - Booster city tower - Mature Booster city

HC - 17S - 39



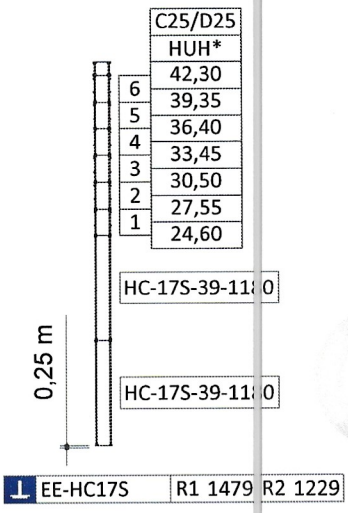
		HUH
CBH08-45-17	R1 961	+ 0,0
TR-CBH08-45	R1 961	+ 0,4
AC-CBH08-450	R1 961	+ 0,5

HC - 17S - 39 / HC - 17H - 39



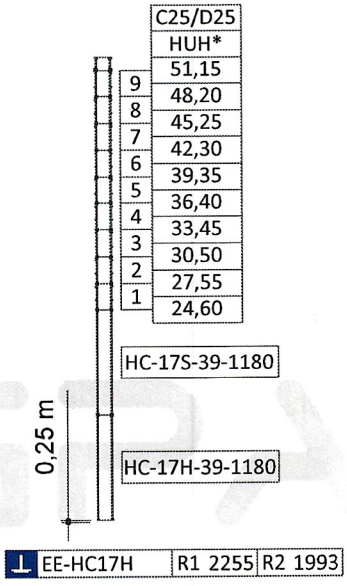
		HUH
CBH08-45-17	R1 1131	+ 0,0
TR-CBH08-45	R1 1131	+ 0,4
AC-CBH08-450	R1 1131	+ 0,5

HC - 17S - 39



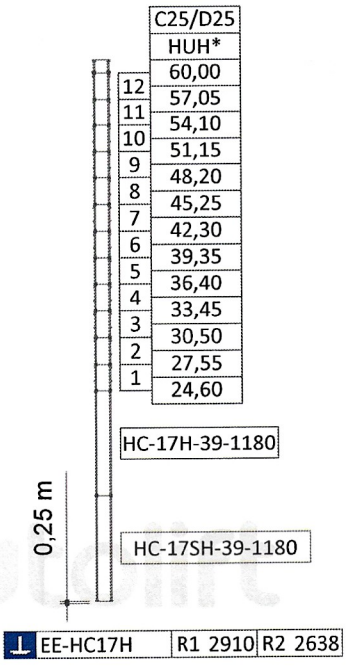
EE-HC17S	R1 1479	R2 1229

HC - 17S - 39 / HC - 17H - 39



EE-HC17H	R1 2255	R2 1993

HC-17S-39 / HC-17H-39 / HC-17SH-39

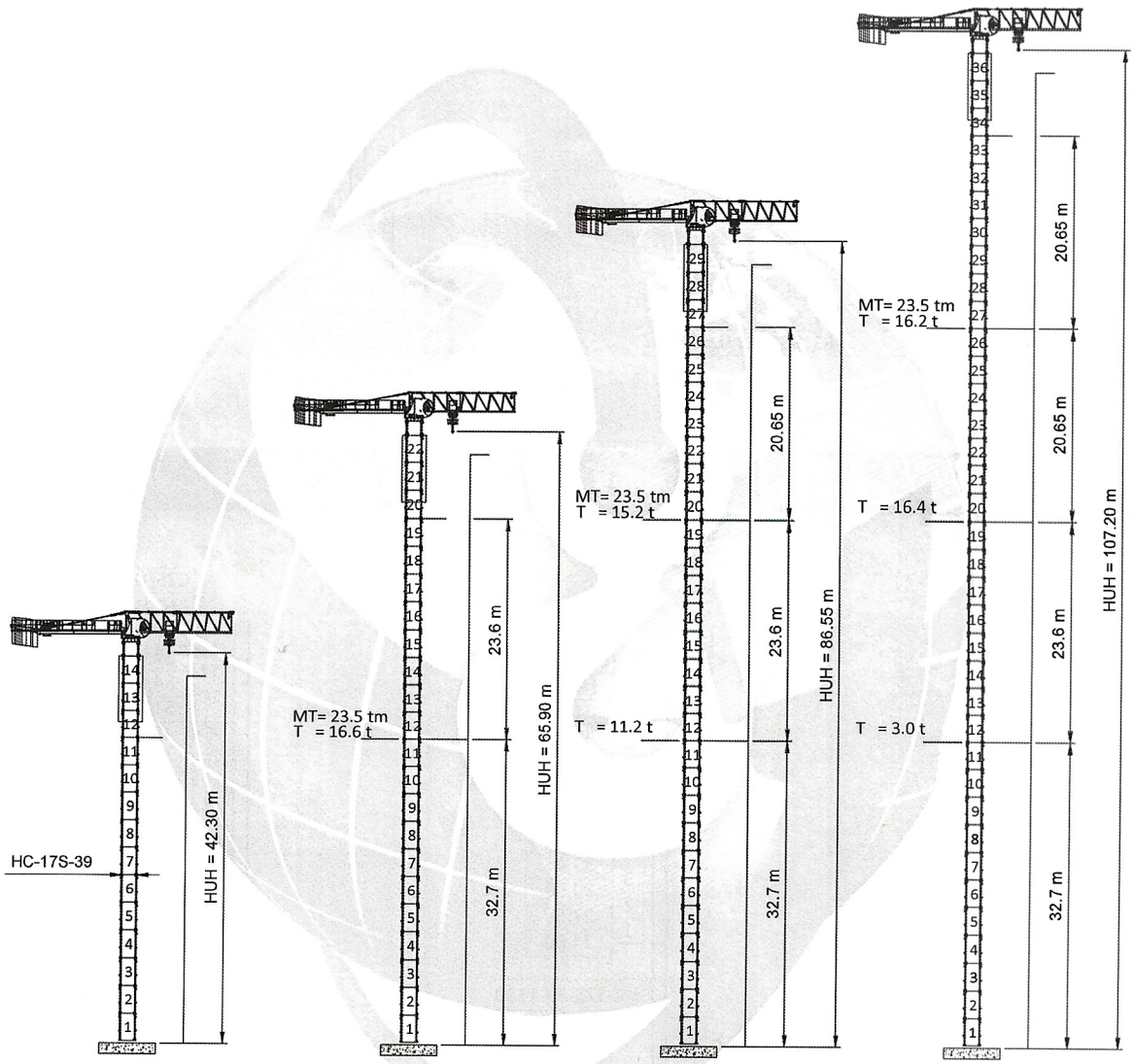


EE-HC17H	R1 2910	R2 2638

HC-17S-39: Torre standard per telescopaggio a gabbia - Standard tower for Climbing cage - Mature standard pour cage de télescopage

HC-17H-39: Torre booster per telescopaggio a gabbia - Booster tower for Climbing cage - Mature booster pour cage de télescopage

Sopralzo idraulico • External climbing • Telescopable • Teleskop • гидравлическое наращивание



MECCANISMI • MECHANISMS • MÉCANISMES • MEKANIZMALA • МЕХАНИЗМЫ

	[kW]		Kg [kg]	[m/min]	Kg [kg]	[m/min]
↓↑	40HP - 30 KW FUNE Ø 12 mm LEBUS Fune 450 m	1	8000	3,5	4000	7
		2	8000	10	4000	20
		3	8000	19,5	4000	39
		4	6000	29	3000	58
		5	3000	42	1500	84
		5*	1000	47	500	94
	50HP - 37 KW FUNE Ø 12 mm LEBUS Fune 670 m	1	8000	4	4000	8
		2	8000	12,5	4000	25
		3	8000	21	4000	42
		4	6000	37,5	2870	75
		5	4000	50	1500	100
		5*	2000	58	1000	116
	60HP - 45 KW FUNE Ø 12 mm LEBUS Fune 570 m	1	8000	5,5	4000	11
		2	8000	13	4000	26
		3	8000	24	4000	48
		4	5700	46	2870	92
		5	3000	65	1500	130
		5*	1600	75	800	150
↔	0 – 21 – 53 – 85 – 106*		m/min		5.5 kW	
↺	0 – 0,2 – 0,5 – 0,8		rpm		n. 2 x 4.0 kW	
	19		m/min		n. 2 x 3.0 kW	

* velocità regolata automaticamente da sensore di corrente / speed automatically controlled by a current sensor / vitesse réglée automatiquement par capteur de courant / Hız sensörler tarafından otomotik olarak kontrol edilir / скорость автоматически регулируется датчиком тока

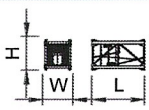
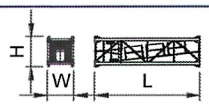
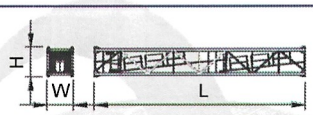
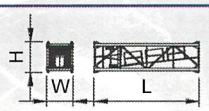
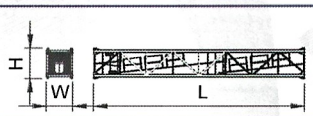
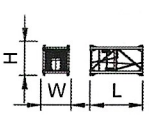
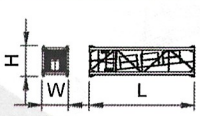
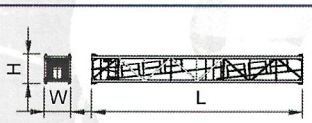
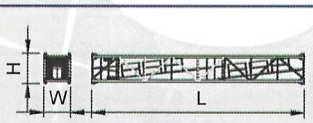
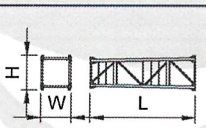
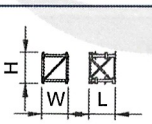
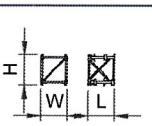
Assorbimenti / Power consumption / Puissance électrique / Enerji / поглощения	40HP	50HP	60HP
	kW	kW	kW
	35	40	47

CABINA • CABIN • CABINE • KABIN • КАБИНА "LUXURY INTEGRAL VISION"

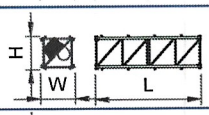
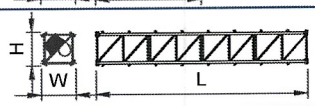
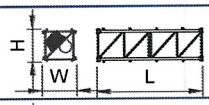
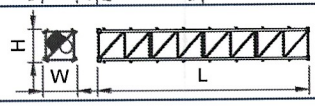
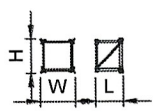
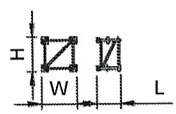
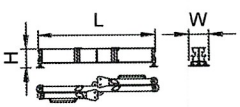
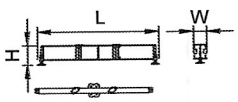
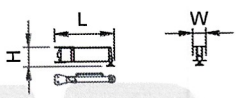
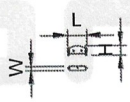
Sedile Ergonomico - Doppi tergicristalli - Ottima visione dell'area di lavoro Optional: Tendine parasole - Aria condizionata - Stereo - Touch Screen / Ergonomic seat - double wipers - Excellent view of the working site (zone) - Sun blinds - Air conditioning - Radio stereo - Touch screen. Siège ergonomique -Double essuie-vitres - Bonne vue de la zone des chantiers - Parasoleil - Conditionneur - Radio - Touch Screen / Ergonomik koltuk - İkili silecek takımı - Mükemmel görüş alanı - Güneşlikler - Klima - Stero Radyo - Dokunmatik Ekran - Güç tüketimi / ЭРГОНОМНОЕ КРЕСЛО - НИЖНИЙ И ВЕРХНИЙ ДВОРНИКИ - ОТЛИЧНЫЙ ОБЗОР СТРОЙПЛОЩАДКИ - СОЛНЦЕЗАЩИТНАЯ ШТОРКА - КОНДИЦИОНЕР ВОЗДУХА - РАДИО СТЕРЕО - СЕНСОРНЫЙ ДИСПЛЕЙ (TOUCH) - ПОТРЕБЛЕНИЕ ЭЛЕКТРОЭНЕРГИИ.



LISTA DEI COLLI • PACKING LIST • LISTE DE COLISAGE • MALZEME LISTESI • ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

Descrizione - Description - Description - Açıklaması - описание	QTY	Posizione - Position - Position - Konum - расположение	H (mm)	L (mm)	W (mm)	Kg
Elemento di torre - Tower element - Elèment de mature - Kule Vinç Mast Elemanı - Секция башни - **CT-15S-42**	1		1700	2950	1500	1175
	1		1700	5900	1500	2015
	1		1700	11800	1500	3735
Elemento di torre - Tower element - Elèment de mature - Kule Vinç Mast Elemanı - Секция башни - **CT-15H-42**	1		1700	5900	1500	2451
	1		1700	11800	1500	4470
Elemento di torre - Tower element - Elèment de mature - Kule Vinç Mast Elemanı - Секция башни - **CT-17S-45**	1		1900	2950	1700	1400
	1		1900	5900	1700	2370
	1		1900	11800	1700	4410
Elemento di torre - Tower element Elèment de mature -Kule Vinç Mast Elemanı -Секция башни - **CT-17H-45**	1		1900	11800	1700	5424
Elemento adattatore - Adaptor element - Element de Connexion - Geçiş Mastı Переходная секция - **AD-CTS-15-17**	1		1900	5900	1700	2230
Tronchetto di fondazione - Embedded element - Pied de scellement - Statik Mast - Анкерная секция - **EE-CT15S-42**	1		1800	1470	1800	780
Tronchetto di fondazione - Embedded element - Pied de scellement - Statik Mast - Анкерная секция - **EE-CT17S-45**	1		2000	1470	2000	830

LISTA DEI COLLI • PACKING LIST • LISTE DE COLISAGE • MALZEME LISTESI • ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

Descrizione - Description - Description - Açıklaması - описание	QTY	Posizione - Position - Position Konum - расположение	H (mm)	L (mm)	W (mm)	Kg
Elemento di torre - Tower element - Elèment de mature - Kule Vinç Mast Elemanı - Секция башни - **HC-17S-39**	1		1855	2950	1920	1005
	1		1855	5900	1920	1715
	1		1855	11800	1920	3200
Elemento di torre - Tower element - Elèment de mature - Kule Vinç Mast Elemanı - Секция башни - **HC-17H-39**	1		1855	5900	1920	2248
	1		1855	11800	1920	3558
Telaio di spinta - Jacking element - Cage de télescopage - Tepe Masti - Опорная секция **JE-17S-39-0150**	1		1950	1550	1950	670
Tronchetto di fondazione - Embedded element - Pied de scellement - Statik Mast - Анкерная секция - **EE-HC17S-39**	1		1980	1330	1980	625
Base completa - Base complete - Base compléte - Şase - Полное основание - **CBH08-45-CTS-17-15**	1		1050	6785	1450	5380
Trave principale di base - Base main beam - Poutre de chassis - Ana Şase Bağlantı Elemanı - Главная балка основания	1		1050	6745	725	2765
Semitrave di base - Base half beam - Semipoutre de chassis - Şase Bağlantı Elemanı - Полу-балка основания	2		1050	3315	670	1307
Bilancino traslazione folle - Driven bogie - Boggie neutral - Yürüyüş Takımı - Привод тележки холостой - **TR-CBH08-450**	2		540	1080	230	600
Bilancino motorizzato - Driving bogie - Boggie motorisée - Yürüyüş Takımı Motorlu - Привод тележки моторизованный - **TR-CBH08-450**	2		540	1310	515	770



GP Autolift

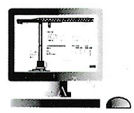
Gru, Progetti e Automazioni per il sollevamento
Cranes, Projects and lifts' automations
Sede Legale: Via Melchiorre Gioia, 8 - 20124 Milano
Sede operativa: via U. Giordano, 1/13 • 21017 Samarate (VA)
Tel. +39 0331 1820275 • Fax +39 0331 1820276 • after.sales@gpautolift.com

I DATI OGGETTO DELLA PRESENTE SCHEDA POTREBBERO SUBIRE MODIFICHE SENZA PREAVVISO / THE INFORMATION IN THIS SHEET MAY BE CHANGED WITHOUT PRIOR NOTICE / LES INFORMATIONS DONNÉES DANS LES PRÉSENTES FICHES POURRAIENT SUBIR DES MODIFICATIONS SANS PRÉAVIS / BU DÖKÜMANDA BELIRTILEN DEĞERLER HABER VERILMEKSIZIN DEĞIŞTIRILEBILIR / ЗАВОД-ИЗГОТОВИТЕЛЬ ИМЕЕТ ПРАВО ИЗМЕНИТЬ ДАННЫЕ БЕЗ ПРЕДУПРЕЖДЕНИЯ

Dealer

Gru, Progetti e Automazioni per il sollevamento – Cranes, Projects and lifts' automations – Grue, projets et Automations pour le levage – Kule Vinç Projelerdirme ve otomasyon – Краны, Проекты и Автоматика для подъема грузов.

2.3 TABELLA DI CARICO GP 201 TOP LINE T5 STANDARD



Curva di carico 5t STD

Braccio/Jib (m): 5t a m	65 22,3	62 23,8	60 26,7	57 28,9	54 30,1	51 31,5	48 32,6	45 32,8	42 34,0	39 34,3	36 35,0	33 36,0	30 32,7	28 30,5
Raggio / Radius (m)	Portata / Load (kg)													
10	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
11	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
12	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
13	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
14	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
15	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
16	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
17	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
18	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
19	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
20	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
21	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
22	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
23	4838	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
24	4614	4961	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
25	4408	4741	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
26	4219	4538	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
27	4043	4351	4942	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
28	3881	4177	4746	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	**5000**
29	3731	4016	4565	4972	5000	5000	5000	5000	5000	5000	5000	5000	5000	
30	3590	3866	4396	4789	5000	5000	5000	5000	5000	5000	5000	5000	**5000**	
31	3459	3726	4238	4618	4836	5000	5000	5000	5000	5000	5000	5000		
32	3336	3594	4091	4459	4669	4916	5000	5000	5000	5000	5000	5000		
33	3221	3471	3952	4309	4513	4752	4929	4970	5000	5000	5000	**5000**		
34	3113	3355	3822	4168	4366	4598	4770	4809	5000	5000	5000			
35	3011	3246	3699	4035	4227	4452	4619	4658	4846	4896	4992			
36	2915	3144	3584	3910	4097	4315	4478	4515	4698	4747	**4840**			
37	2824	3047	3474	3792	3973	4186	4344	4380	4558	4606				
38	2738	2955	3371	3680	3857	4063	4217	4252	4426	4472				
39	2657	2868	3273	3574	3746	3947	4097	4131	4300	**4345**				
40	2580	2785	3180	3473	3641	3837	3983	4016	4181					
41	2506	2707	3092	3377	3541	3733	3875	3907	4068					
42	2436	2632	3008	3286	3446	3633	3772	3803	**3960**					
43	2370	2561	2928	3200	3356	3538	3673	3704						
44	2306	2493	2851	3117	3269	3448	3580	3610						
45	2246	2428	2778	3038	3187	3361	3490	**3520**						
46	2188	2366	2709	2963	3108	3279	3405							
47	2132	2307	2642	2891	3033	3200	3323							
48	2079	2250	2578	2821	2961	3124	**3245**							
49	2028	2196	2517	2755	2892	3051								
50	1980	2143	2458	2692	2825	2982								
51	1933	2093	2402	2631	2762	**2915**								
52	1888	2045	2348	2572	2701									
53	1844	1999	2295	2516	2642									
54	1803	1954	2245	2461	**2585**									
55	1763	1911	2197	2409										
56	1724	1870	2150	2359										
57	1687	1830	2106	**2310**										
58	1651	1791	2062											
59	1616	1754	2020											
60	1582	1718	**1980**											
61	1550	1684												
62	1518	**1650**												
63	1488													
64	1459													
65	**1430**													

2.4 TABELLA DI CARICO GP 201 TOP LINE T5 AUTOLIFT + 10%

Curva di carico 5t AL

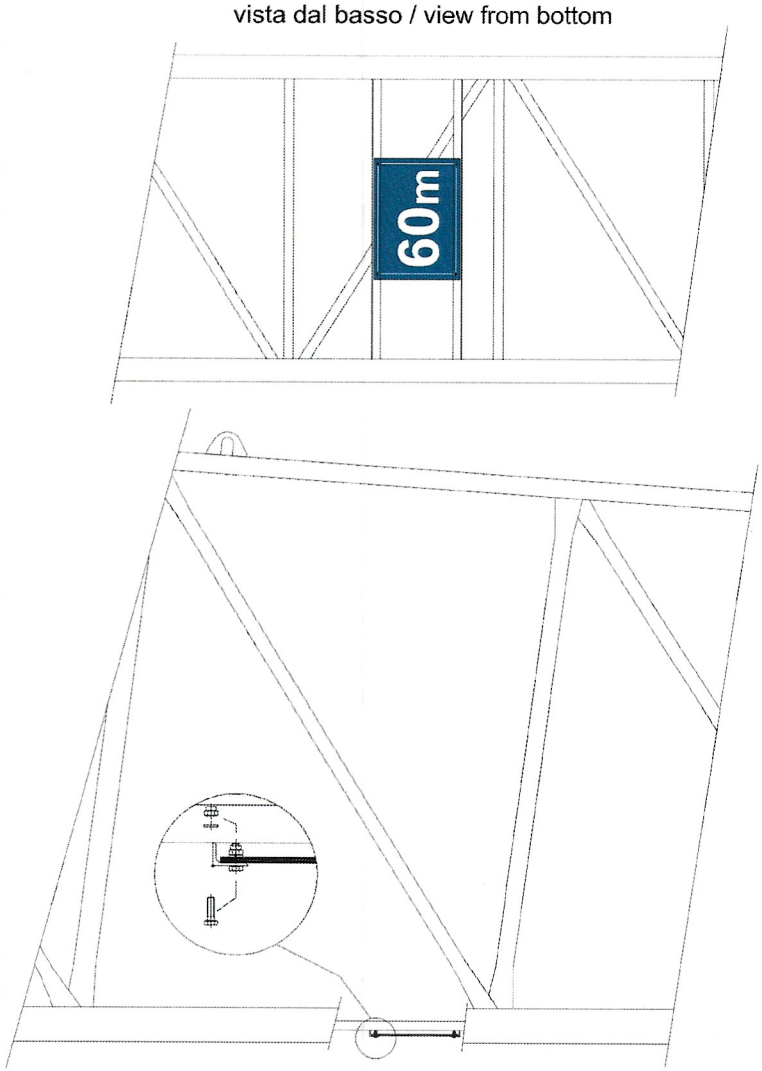
Braccio/Jib (m): 5t a m	65 22,3	62 23,8	60 26,7	57 28,9	54 30,1	51 31,5	48 32,6	45 32,8	42 34,0	39 34,3	36 35,0	33 36,0	30 32,7	28 30,5
Raggio / Radius (m)	Portata / Load (kg)													
10	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
11	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
12	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
13	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
14	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
15	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
16	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
17	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
18	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
19	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
20	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
21	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
22	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
23	4838	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
24	4614	4961	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
25	4408	4741	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
26	4219	4538	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
27	4043	4351	4942	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
28	3881	4177	4746	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	**5000**
29	3731	4016	4565	4972	5000	5000	5000	5000	5000	5000	5000	5000	5000	
30	3590	3866	4396	4789	5000	5000	5000	5000	5000	5000	5000	5000	**5000**	
31	3459	3726	4238	4618	4836	5000	5000	5000	5000	5000	5000	5000		
32	3336	3594	4091	4459	4669	4916	5000	5000	5000	5000	5000	5000		
33	3221	3471	3952	4309	4513	4752	4929	4970	5000	5000	5000	**5000**		
34	3113	3355	3822	4168	4366	4598	4770	4809	5000	5000	5000			
35	3011	3246	3699	4035	4227	4452	4619	4658	4846	4896	4992			
36	2915	3144	3584	3910	4097	4315	4478	4515	4698	4747	**4840**			
37	2824	3047	3474	3792	3973	4186	4344	4380	4558	4606				
38	2738	2955	3371	3680	3857	4063	4217	4252	4426	4472				
39	2657	2868	3273	3574	3746	3947	4097	4131	4300	**4345**				
40	2580	2785	3180	3473	3641	3837	3983	4016	4181					
41	2506	2707	3092	3377	3541	3733	3875	3907	4068					
42	2436	2632	3008	3286	3446	3633	3772	3803	**3960**					
43	2370	2561	2928	3200	3356	3538	3673	3704						
44	2306	2493	2851	3117	3269	3448	3580	3610						
45	2246	2428	2778	3038	3187	3361	3490	**3520**						
46	2188	2366	2709	2963	3108	3279	3405							
47	2132	2307	2642	2891	3033	3200	3323							
48	2079	2250	2578	2821	2961	3124	**3245**							
49	2028	2196	2517	2755	2892	3051								
50	1980	2143	2458	2692	2825	2982								
51	1933	2093	2402	2631	2762	**2915**								
52	1888	2045	2348	2572	2701									
53	1844	1999	2295	2516	2642									
54	1803	1954	2245	2461	**2585**									
55	1763	1911	2197	2409										
56	1724	1870	2150	2359										
57	1687	1830	2106	**2310**										
58	1651	1791	2062											
59	1616	1754	2020											
60	1582	1718	**1980**											
61	1550	1684												
62	1518	**1650**												
63	1488													
64	1459													
65	**1430**													

+ 10%

6.12 POSIZIONAMENTO CARTELLI DI RAGGIO

1. Posizionare i cartelli di raggio sulle L di supporto con l'indicazione di raggio verso il basso
2. Fissare con nr.4 viti M6x20 complete di rondella e bullone autobloccante

vista dal basso / view from bottom



6.13 IMBRACAGGIO E SOLLEVAMENTO DELLA FRECCIA

Il sollevamento del braccio deve essere effettuato con accessori idonei al sollevamento.

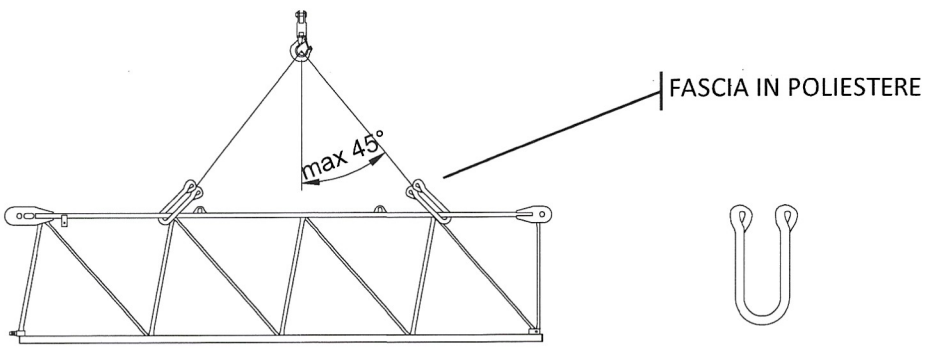
Utilizzare 2 fasce in poliestere posizionandole in corrispondenza dei nodi della tralicciatura; collegarle al gancio per mezzo di catene, vedere figura sottostante.

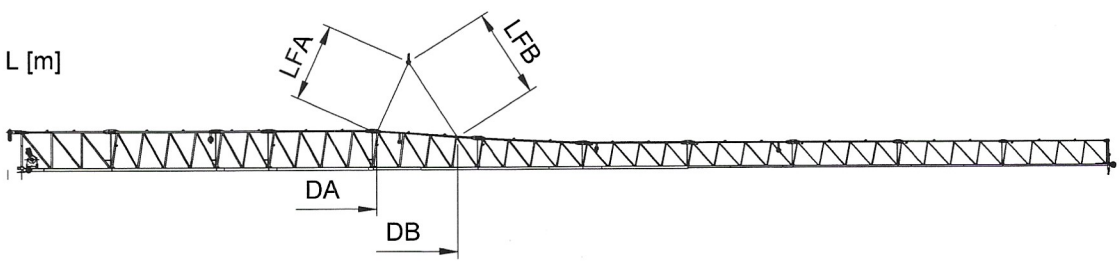
I punti di imbracaggio sono indicati nei paragrafi seguenti e dipendono dal braccio da montare.





VERIFICARE CHE LA PORTATA DELLE FASCE E DELLE CATENE SIA ADEGUATA

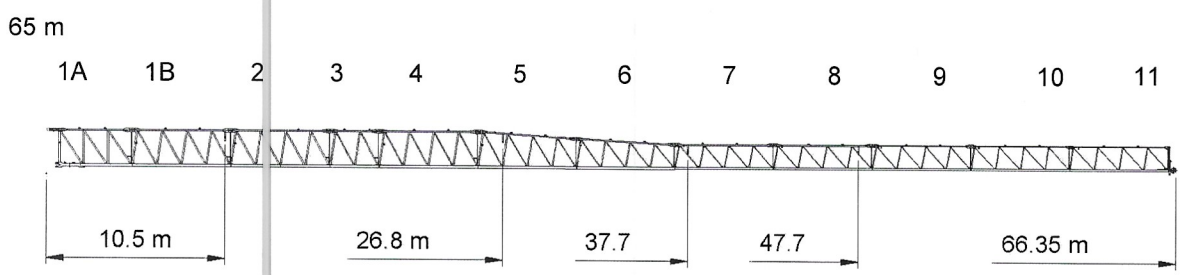




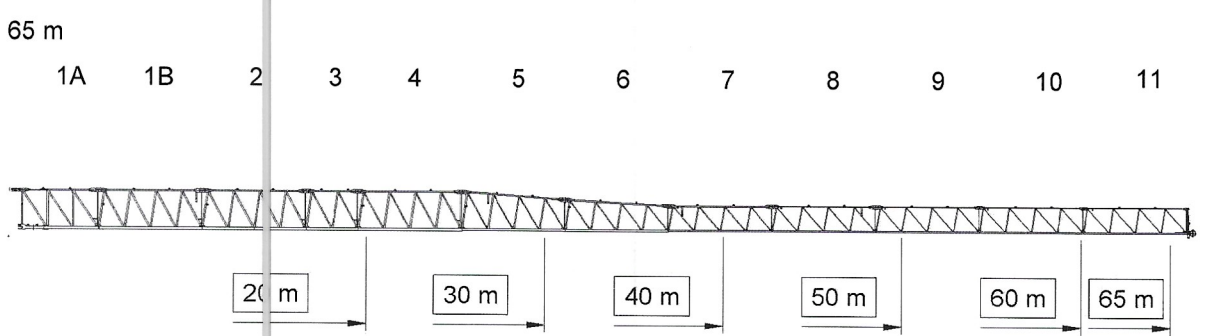
6.14 BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.1 FRECCIA 65 M

Posizionamento carruco e GP 201 Top Line 65 m



Posizionamento dei cartelli di raggio GP 201 Top Line 65 m

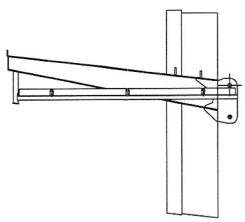


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
65	67,14	2,30	1,13	8378	1	1	5130	3	6	19830

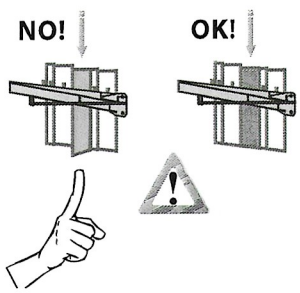
Contrappesatura parziale GP 201 Top Line 65m

65m
○ 5130 kg
N°1 x 192-CA
N°1 x 192-CB

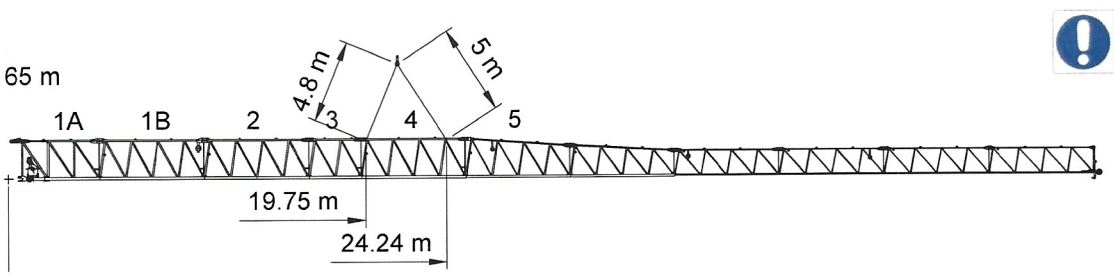


ATTENZIONE
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE
Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



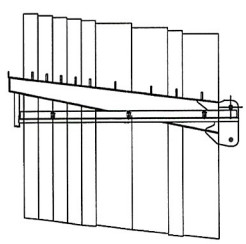
Bilanciamento freccia 65m -GP 201





Contrappesatura parziale GP 201 Top Line 65m

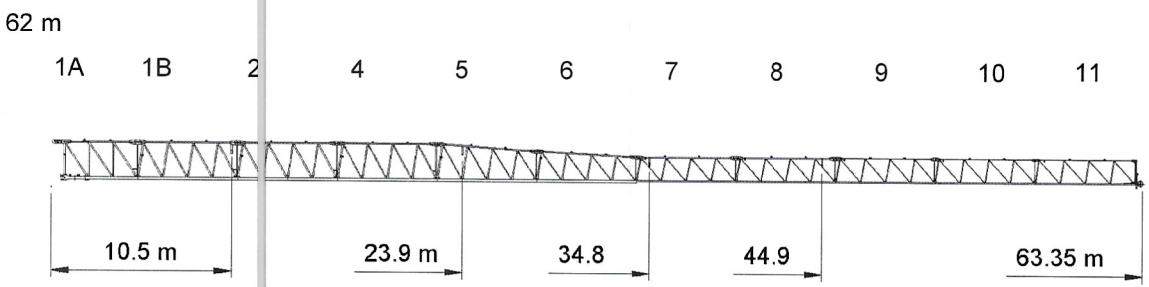
65m
• 19830 kg
N°3 x 192-CA
N°6 x 192-CB



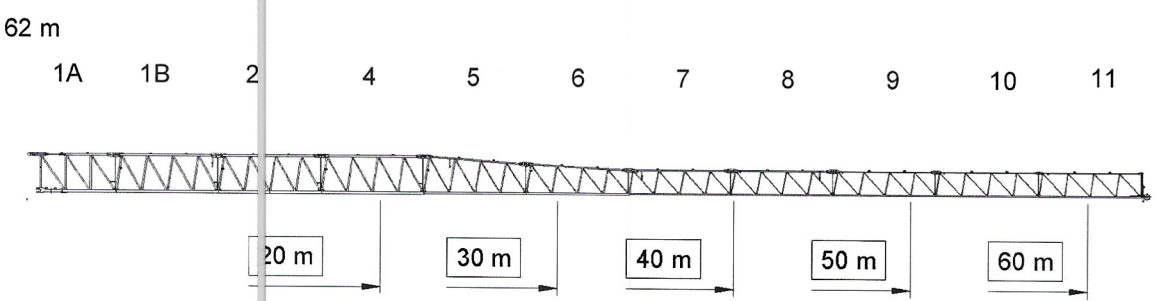
6.14 BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.2 FRECCIA 62 M

Posizionamento carrucole GP 201 Top Line 62 m



Posizionamento dei cartelli di raggio GP 201 Top Line 62 m

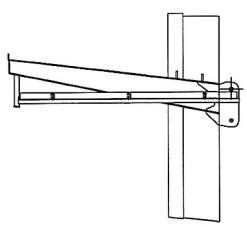


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
62	64,24	2,30	1,13	7934	1	1	5130	3	6	19830

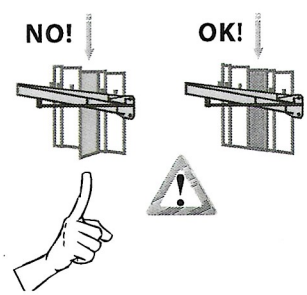
Contrappesatura parziale GP 201 Top Line 62m

62m
- 5130 kg
  N°1 x 201-CA
  N°1 x 201-CB

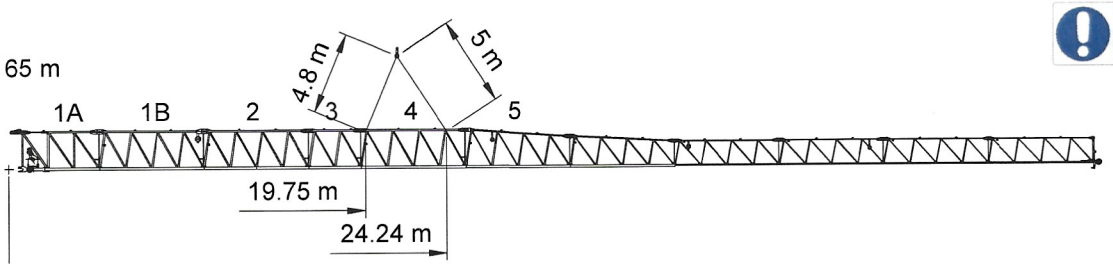


ATTENZIONE
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE
Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



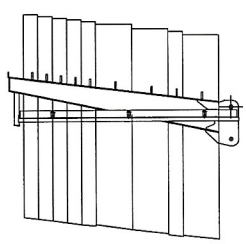
Bilanciamento freccia 62m -GP 201





Contrappesatura parziale GP 201 Top Line 62m

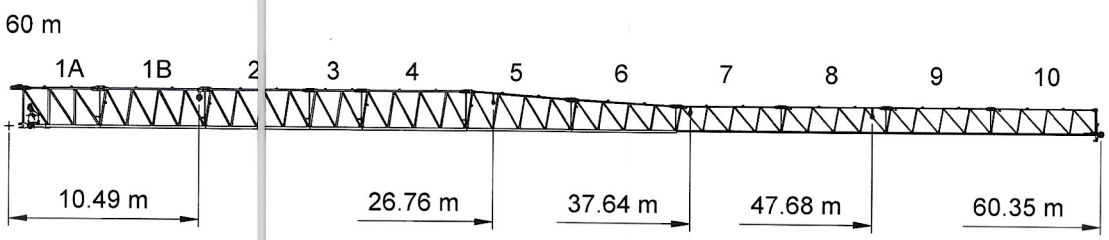
62m
- 19830 kg
  N°3 x 201-CA
  N°6 x 201-CB



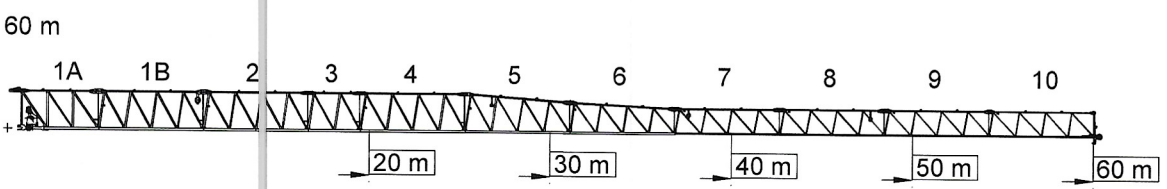
6.14 BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.3 FRECCIA 60 M

Posizionamento carrucole GP 201 Top Line 60 m



Posizionamento dei cartelli di raggio GP 201 Top Line 60 m

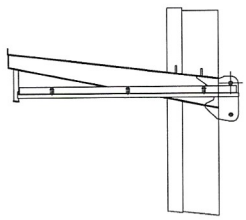


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201- CA	201-CB	(kg)	201 CA	201-CB	(kg)
60	61,34	2,30	1,13	8059	1	1	5130	3	6	19830

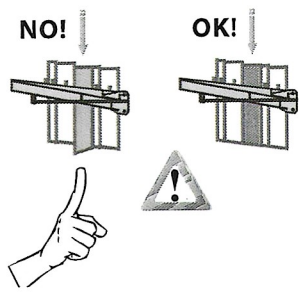
Contrappesatura parziale GP 201 Top Line 60m

60m
○ 5130 kg
N°1 x 201-CA
N°1 x 201-CB

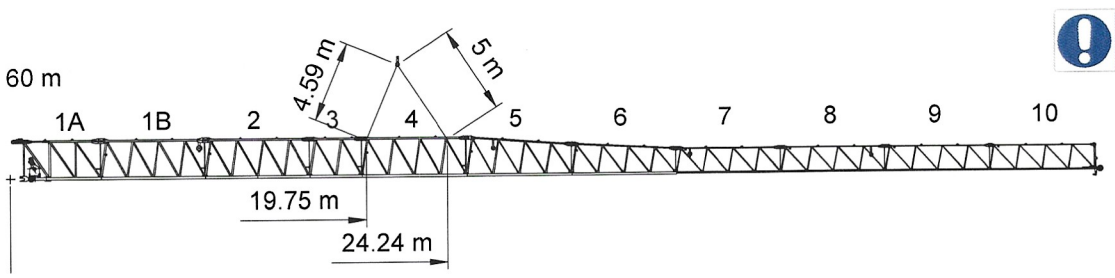


ATTENZIONE
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE
Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.

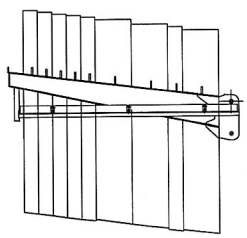


Bilanciamento freccia 60m - GP 201 Top Line



Contrappesatura totale GP201 Top Line 60m

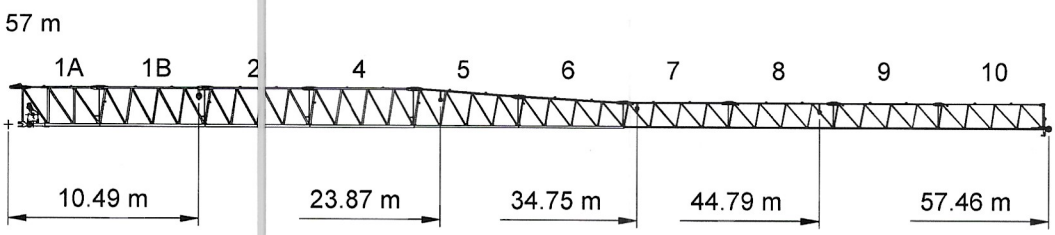
60m
● 19830 kg
N°3 x 201-CA
N°6 x 201-CB



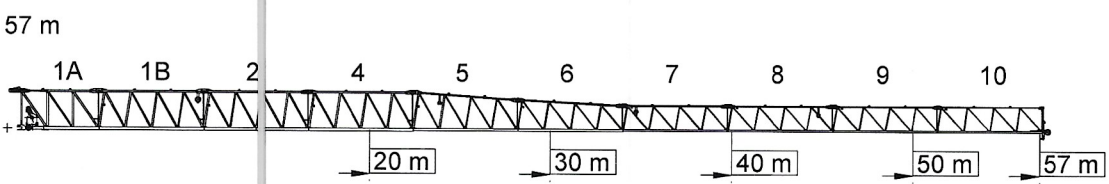
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.4 FRECCIA 57 M

Posizionamento carruco e GP 201 Top Line 57 m



Posizionamento dei cartelli di raggio GP201 Top Line 57m

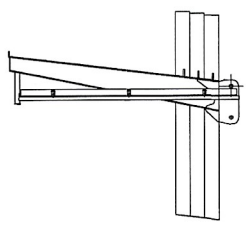


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201 CA	201-CB	(kg)
57	58,44	2,30	1,13	7117	0	3	4440	3	5	18350

Contrappesatura parziale GP201 Top Line 57m

57m
○ 4440 kg
N°0 x 201-CA
N°3 x 201-CB

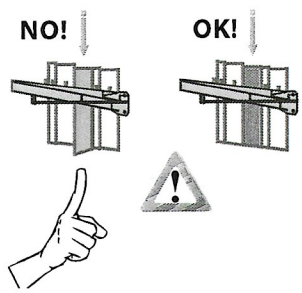


ATTENZIONE

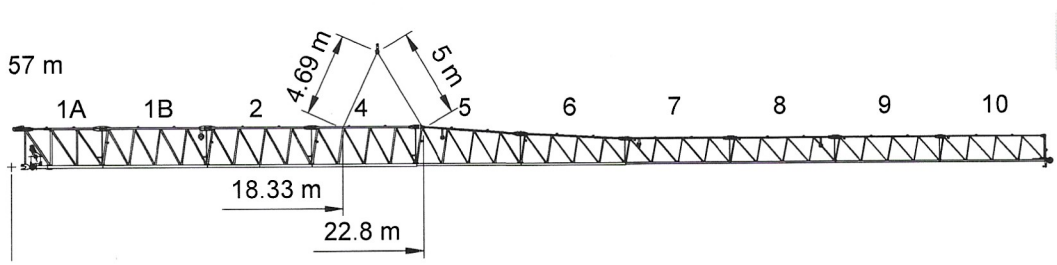
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



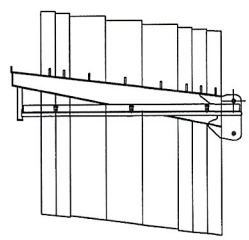
Bilanciamento freccia GP 201 Top Line 57m





Contrappesatura totale GP201 Top Line 57m

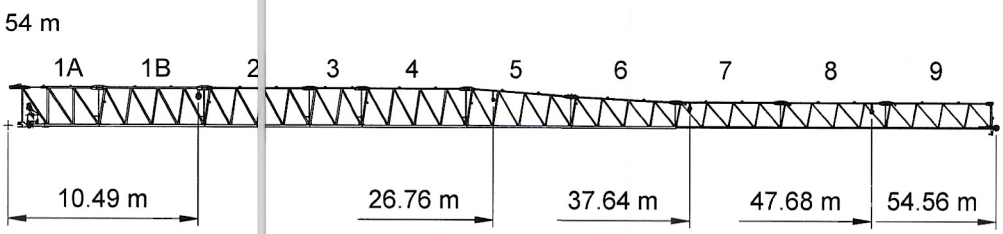
57m
● 18350 kg
N°3 x 201-CA
N°5 x 201-CB



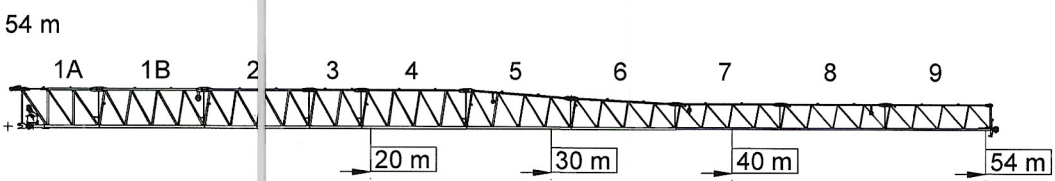
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.5 FRECCIA 54 M

Posizionamento carrucole GP 201 Top Line 54 m



Posizionamento dei cartelli di raggio GP 201Top Line 54m

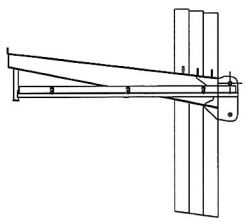


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
54	55,54	2,30	1,13	7715	0	3	4440	3	5	18350

Contrappesatura parziale GP 201Top Line 54m

54m
○ 4440 kg
N°0 x 201-CA
N°3 x 201-CB

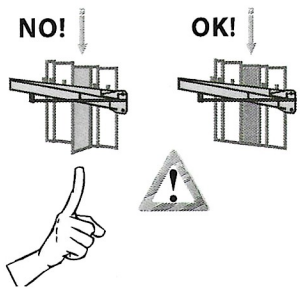


ATTENZIONE

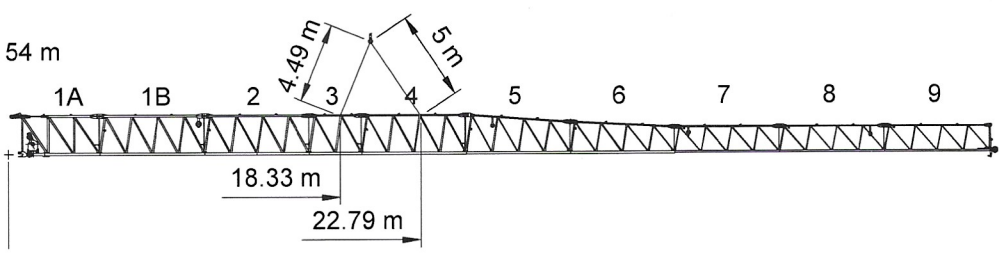
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



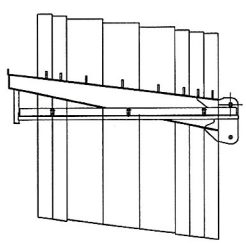
Bilanciamento freccia GP 201 Top Line 54m





Contrappesatura totale GP 201 Top Line54m

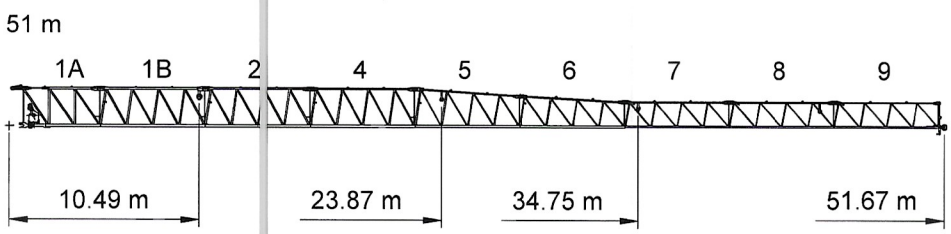
54m
● 18350kg
N°3 x 201-CA
N°5 x 201-CB



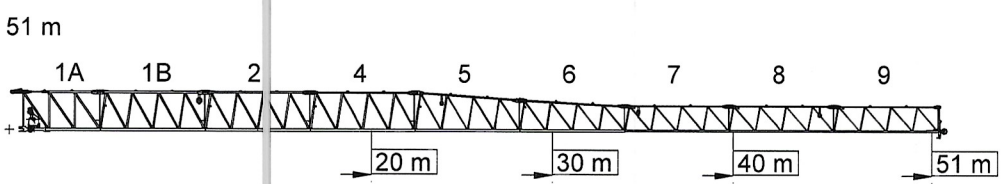
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.6 FRECCIA 51 M

Posizionamento carrucole GP 201 Top Line 51m



Posizionamento dei cartelli di raggio GP 201Top Line 51m

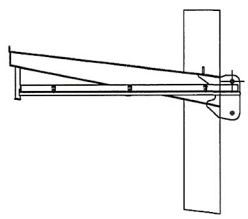


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
51	52,64	2,30	1,13	6773	1	0	3650	3	4	16870

Contrappesatura parziale GP 201 Top Line51m

51m
○ 3650 kg
N°1 x 201-CA
N°0 x 201-CB

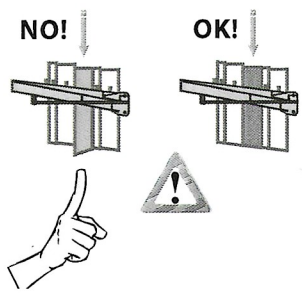


ATTENZIONE

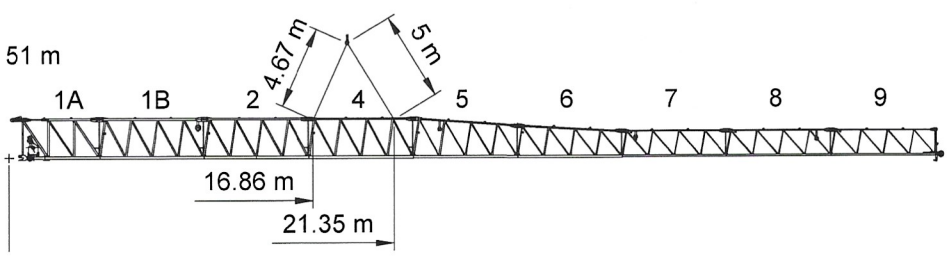
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



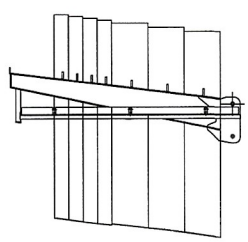
Bilanciamento freccia GP 201 Top Line 51m





Contrappesatura totaleGP 201 Top Line 51m

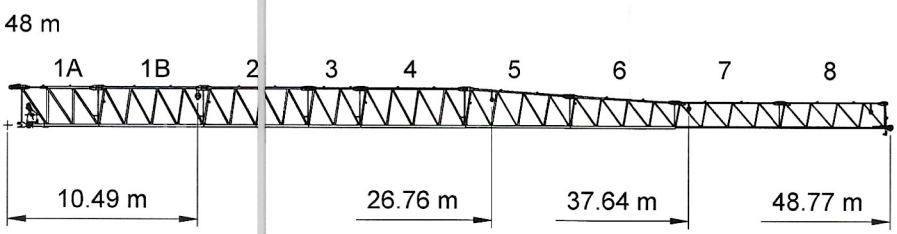
51m
● 16870 kg
N°3 x 201-CA
N°4 x 201-CB



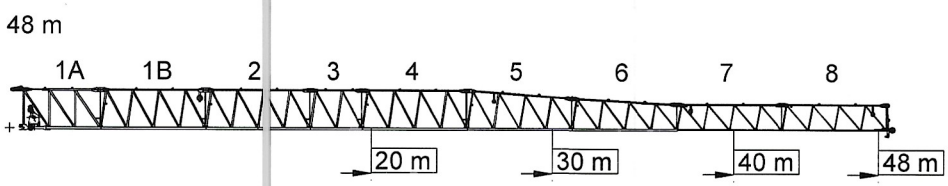
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.7 FRECCIA 48 M

Posizionamento carrucole GP201 Top Line 48m



Posizionamento dei cartelli di raggio GP201 Top Line 48m

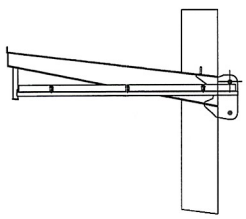


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
48	49,74	2,30	1,13	7336	1	0	3650	3	4	16870

Contrappesatura parziale GP 201Top Line 48m

48m
○ 3650 kg
N°1 x 201-CA
N°0 x 201-CB

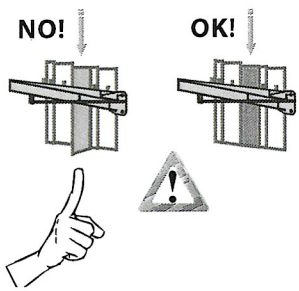


ATTENZIONE

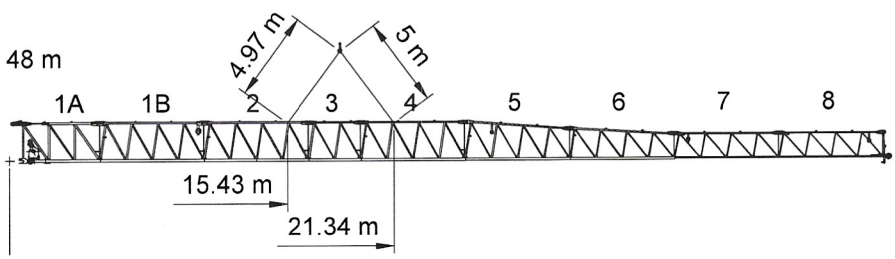
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



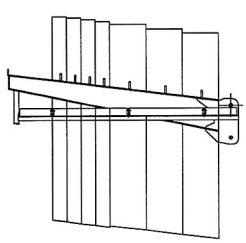
Bilanciamento freccia GP 201 Top Line 48m





Contrappesatura totaleGP 201 Top Line 48m

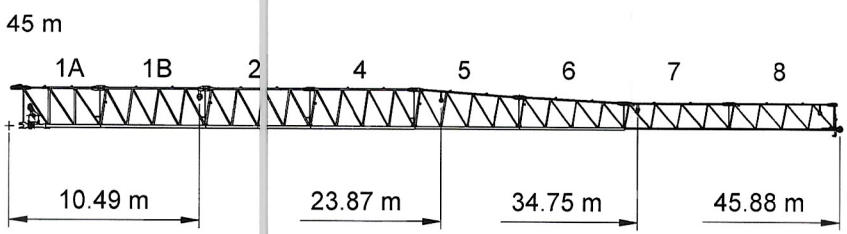
48m
• 16870kg
N°3 x 201-CA
N°4 x 201-CB



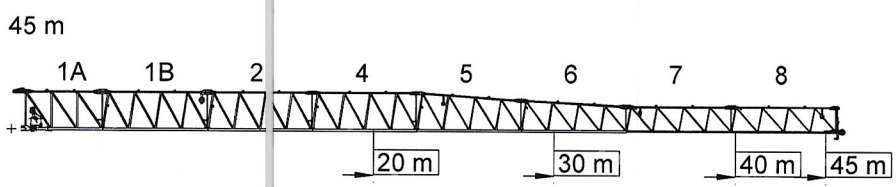
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.8 FRECCIA 45 M

Posizionamento carrucole GP 201 Top Line 45m



Posizionamento dei cartelli di raggio GP201 Top Line 45m

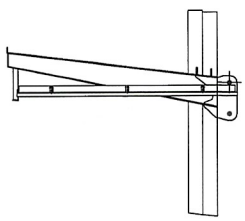


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
45	46,84	2,30	1,13	6394	0	2	2960	3	3	15390

Contrappesatura parziale GP 201 Top Line 45m

45m
○ 2960 kg
N°0 x 201-CA
N°2 x 201-CB

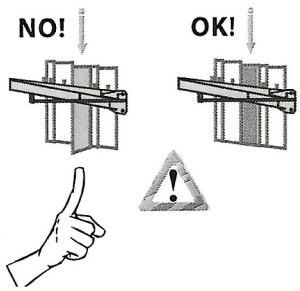


ATTENZIONE

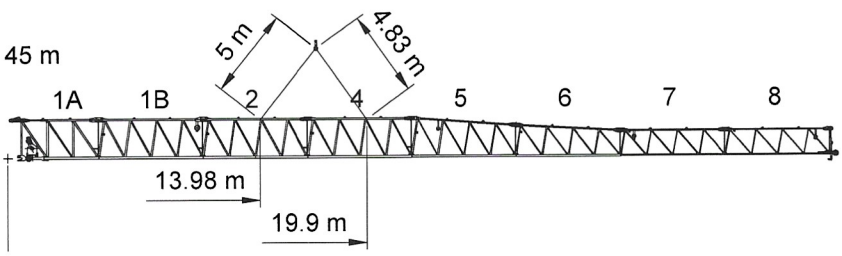
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.

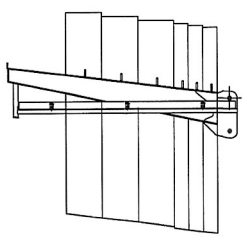


Bilanciamento freccia GP 201 Top Line 45m



Contrappesatura totale GP 201 Top Line 45m

45m
● 15390 kg
N°3 x 201-CA
N°3 x 201-CB



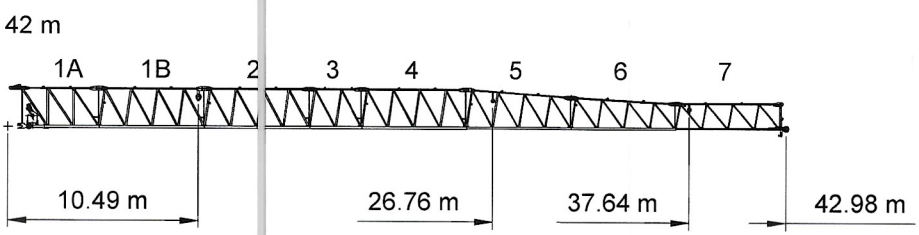




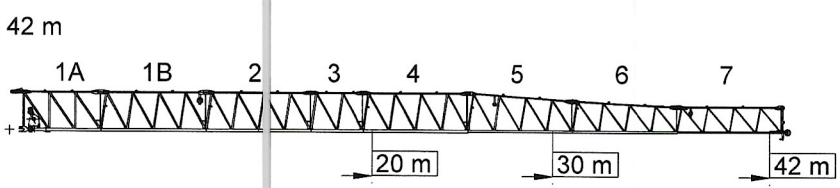
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.9 FRECCIA 42 M

Posizionamento carrucole GP 201 Top Line 42m



Posizionamento dei cartelli di raggio GP 201Top Line 42m

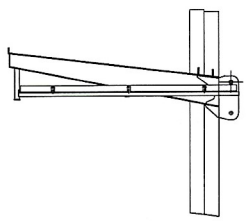


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	
42	43,94	2,30	1,13	6862	0	2	2960	3	3	15390

Contrappesatura parziale GP201 Top Line 42m

42m
○ 2960 kg
N°0 x 201-CA
N°2 x 201-CB

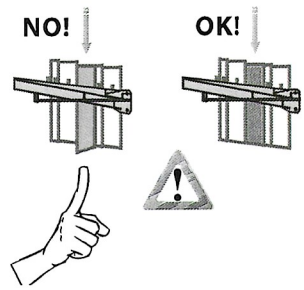


ATTENZIONE

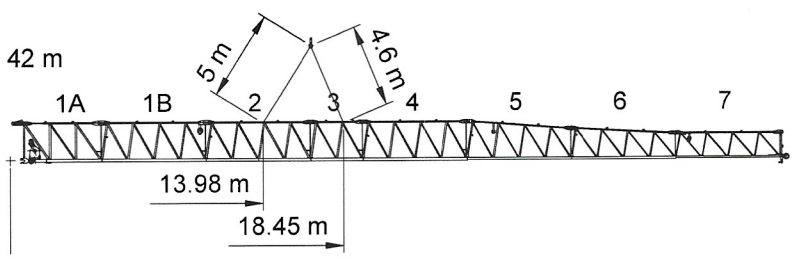
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



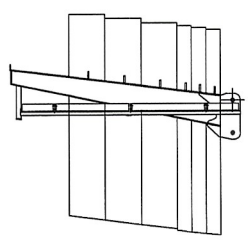
Bilanciamento freccia GP201 Top Line 42m





Contrappesatura totaleGP 201 Top Line 42m

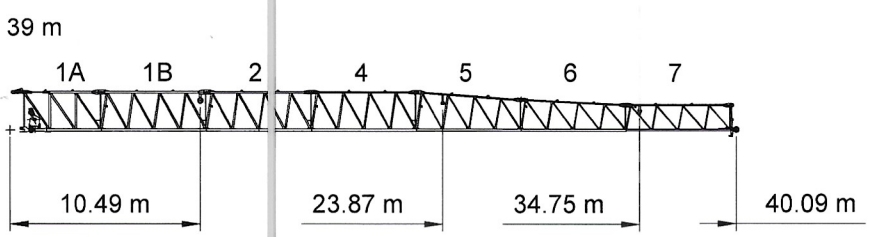
42m
● 15390 kg
N°3 x 201-CA
N°3 x 201-CB



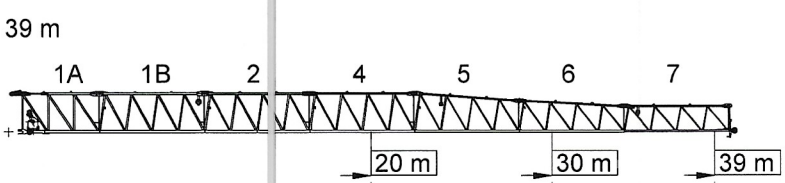
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.10 FRECCIA 39 M

Posizionamento carrucole GP 201 Top Line 39m



Posizionamento dei cartelli di raggio GP 201Top Line 39m

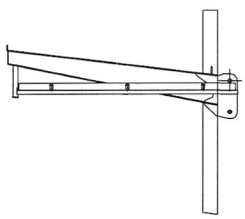


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
39	41,04	2,30	1,13	5920	0	1	1480	3	2	13910

Contrappesatura parziale GP201 Top Line 39m

39m
○ 1480 kg
N°0 x 201-CA
N°1 x 201-CB

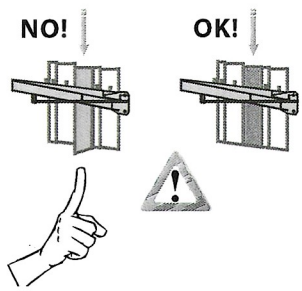


ATTENZIONE

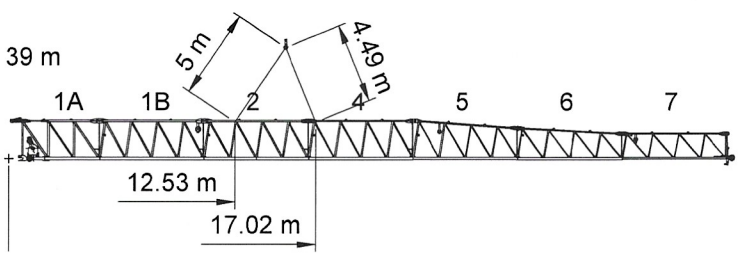
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



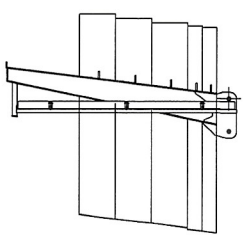
Bilanciamento freccia GP 201 Top Line 39m





Contrappesatura totale GP 201Top Line 39m

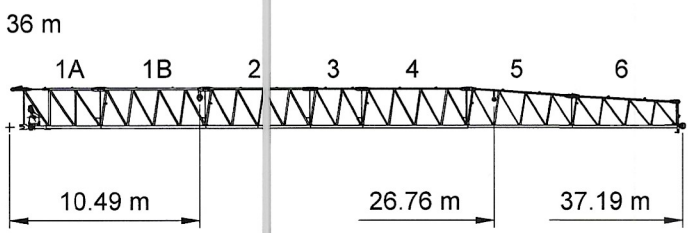
39m
● 13910 kg
N°3 x 201-CA
N°2 x 201-CB



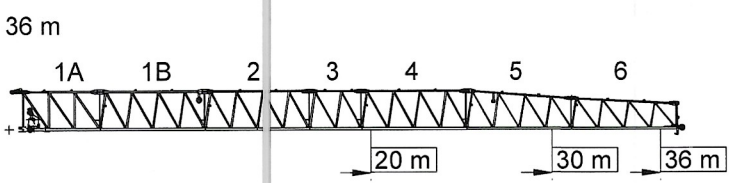
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.11 FRECCIA 36 M

Posizionamento carrucole GP 201 Top Line 36m



Posizionamento dei cartelli di raggio GP201 Top Line 36m

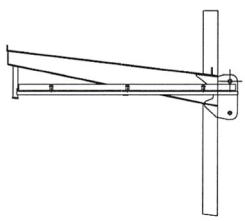


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
36	38,14	2,30	1,13	6330	0	1	1480	3	2	13910

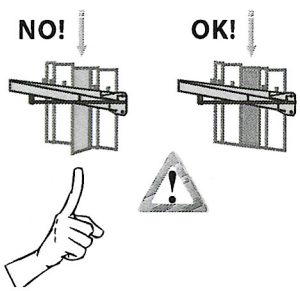
Contrappesatura parziale GP 201 Top Line 36 m

36m
○ 1480 kg
N°0 x 201-CA
N°1 x 201-CB

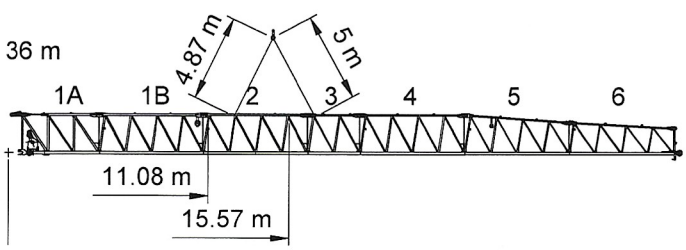


ATTENZIONE
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE
Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



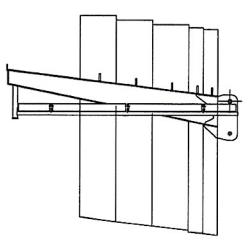
Bilanciamento freccia GP 201 Top Line 36m





Contrappesatura totaleGP 201 Top Line 36m

36m
• 13910 kg
N°3 x 201-CA
N°2 x 201-CB



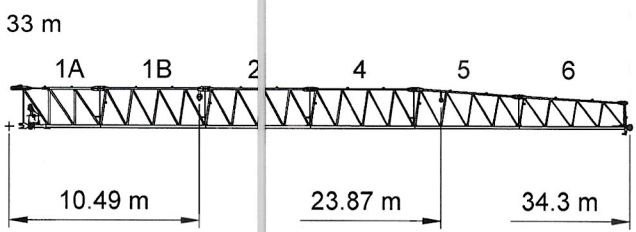




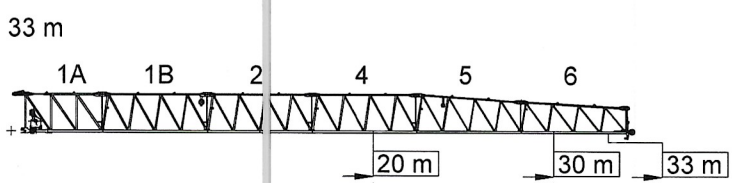
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.12 FRECCIA 33 M

Posizionamento carrucole GP 201 Top Line 33m



Posizionamento dei cartelli di raggio GP201 Top Line 33m

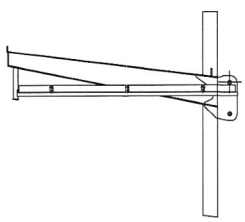


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
33	35,24	2,30	1,13	5388	0	1	1480	3	1	12430

Contrappesatura parziale GP 201Top Line 33m

33m
○ 1480 kg
N°0 x 201-CA
N°1 x 201-CB

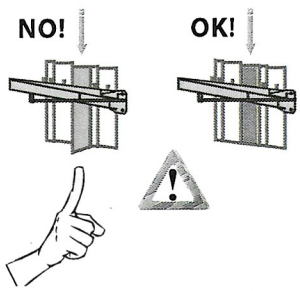


ATTENZIONE

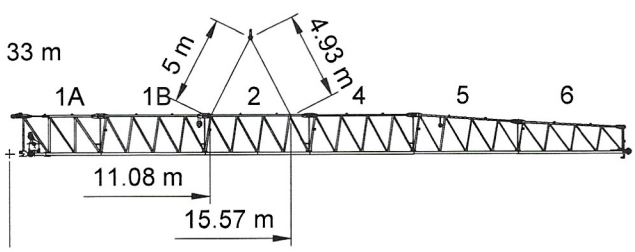
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



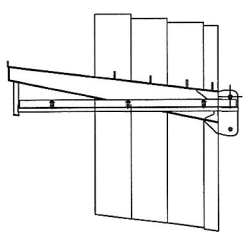
Bilanciamento freccia GP 201 Top Line 33m





Contrappesatura totaleGP 201 Top Line 33m

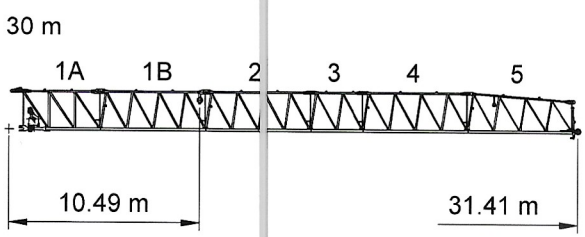
33m
● 12430 kg
N°3 x 201-CA
N°1 x 201-CB



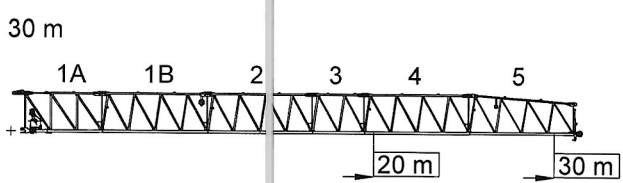
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.13 FRECCIA 30 M

Posizionamento carrucole GP 201 TopLine 30m



Posizionamento dei cartelli di raggio GP201 Top Line 30m

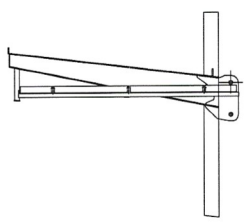


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	(kg)
30	32,34	2,30	1,13	5697	0	1	1480	2	3	11740

Contrappesatura parziale GP 201 Top Line 30m

30m
○ 1480 kg
N°0 x 201-CA
N°1 x 201-CB

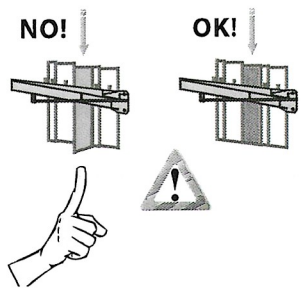


ATTENZIONE

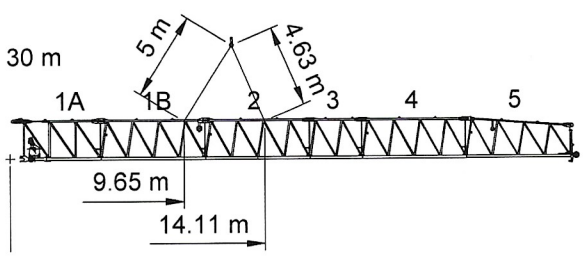
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE

Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



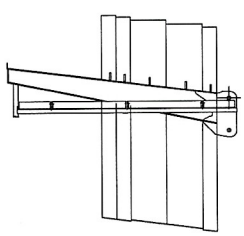
Bilanciamento freccia GP 201 Top Line 30m





Contrappesatura totale GP 201 Top Line 30m

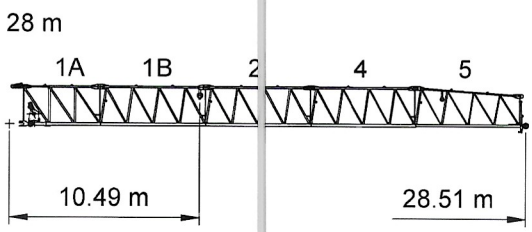
30m
● 11740 kg
N°2 x 201-CA
N°3 x 201-CB



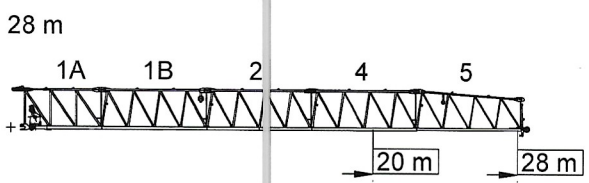
BRACCIO E CARRUCOLE - CARTELLI PORTATA - CONTRAPPESI - BILANCIAMENTI

6.14.14 FRECCIA 28 M

Posizionamento carrucole GP 201 Top Line 36m



Posizionamento dei cartelli di raggio GP 201Top Line 28m

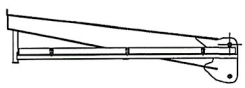


ATTENZIONE!
LE MISURE INDICATE PER I BILANCIAMENTI SONO TEORICHE E DEVONO ESSERE SEMPRE VERIFICATE PRIMA DELLE MANOVRE DI SOLLEVAMENTO DELLA FRECCIA

DIMENSIONI E PESO					CONTRAPPESI					
L	L1	H	W	P	PARZIALE			TOTALE		
(m)	(m)	(m)	(m)	(kg)	201-CA	201-CB	(kg)	201-CA	201-CB	
28	29,44	2,30	1,13	4755	0	0	0	2	2	10260

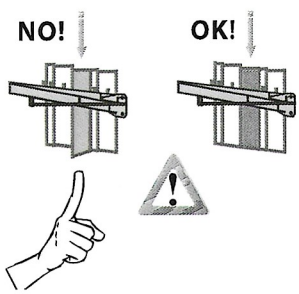
Contrappesatura parziale GP201 Top Line 28m

28m
○ 0kg

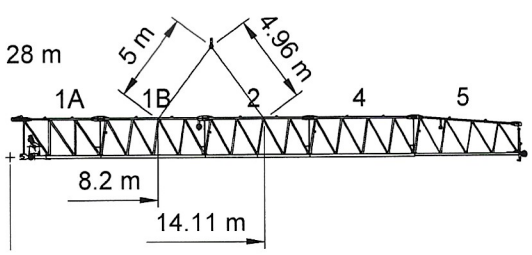


ATTENZIONE
Rispettare i punti di aggancio delle catene di sollevamento indicate in figura.

ATTENZIONE
Durante la manovra di carico dei blocchi di contrappeso assicurarsi che vengano alloggiati con lo stesso orientamanto dall'interno verso l'esterno.



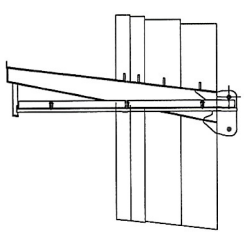
Bilanciamento freccia GP 201 Top Line 28m





Contrappesatura totale GP 201 Top Line 28m

28m
• 10260 kg
N°2 x 201-CA
N°2 x 201-CB





6.15 DIMENSIONI E PESO - CONTRAPPESATURA PARZIALE E TOTALE FRECCIA

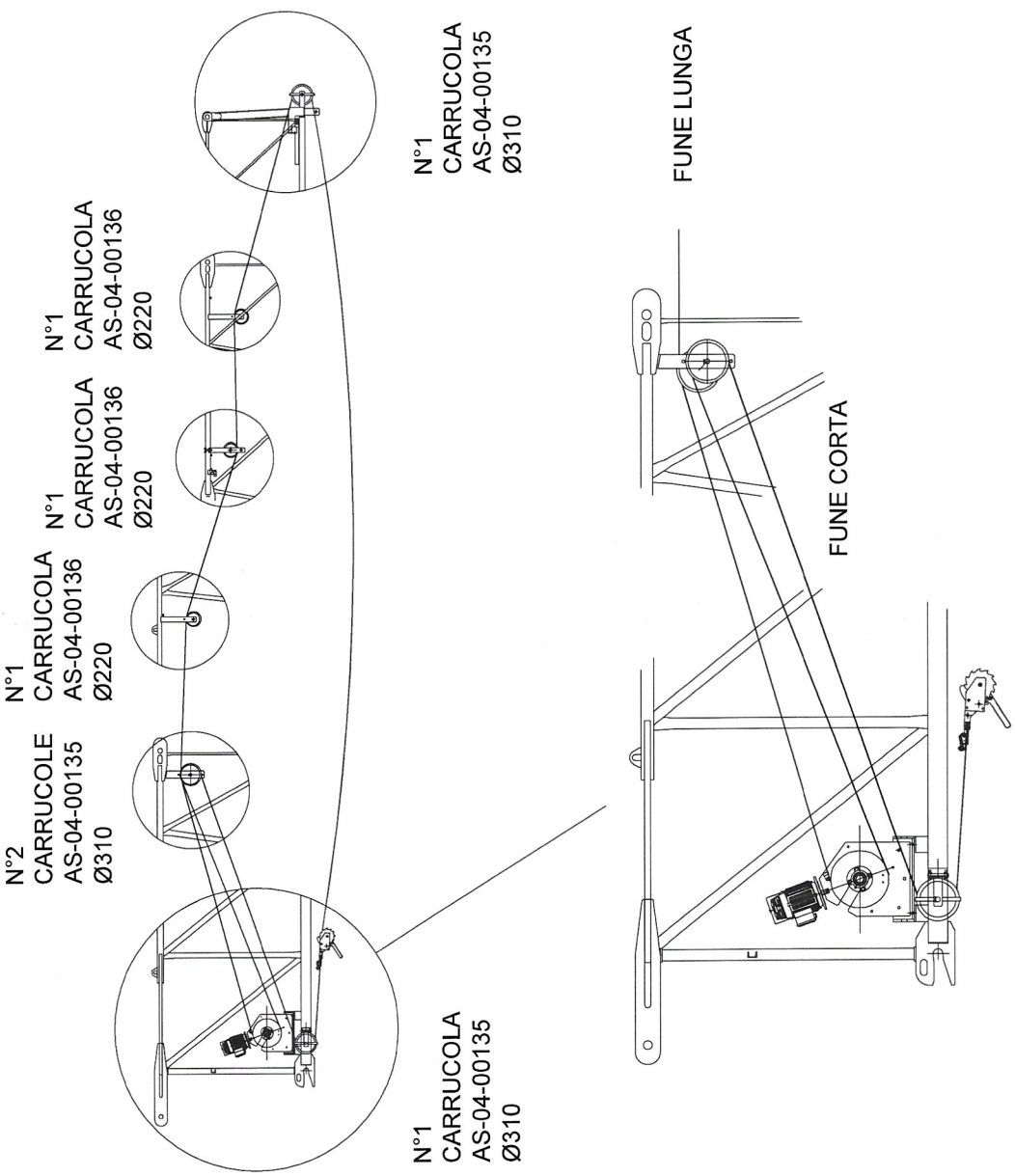
La bilanciatura della gru avviene per mezzo dei blocchi di contrappeso per equilibrare il momento dovuto alla massa propria della macchina ed il maggior carico possibile posto alla massima distanza dal centro torre. Il momento agente sulla torre risulta quindi ottimizzato per le condizioni di carico e a vuoto migliorando la vita a fatica della gru.

La bilanciatura avviene in due fasi distinte e molto importanti:
- Bilanciatura parziale: deve essere eseguita in fase di assemblaggio prima del montaggio del freccia, ha lo scopo di bilanciare le masse proprie della macchina;
- Bilanciatura totale: deve essere eseguita a freccia già montato e prima di ogni altra operazione e garantisce i requisiti di stabilità corretti per tutte le fasi di lavoro e fuori servizio.

La gru dispone di due limitatori: uno di carico massimo, disposto in prossimità del girevole sul bilancino ed uno di coppia massima disposto sulla cuspide. Il perfetto funzionamento e la corretta taratura dei due dispositivi garantiscono il rispetto delle condizioni di carico per le quali la gru è stata progettata.

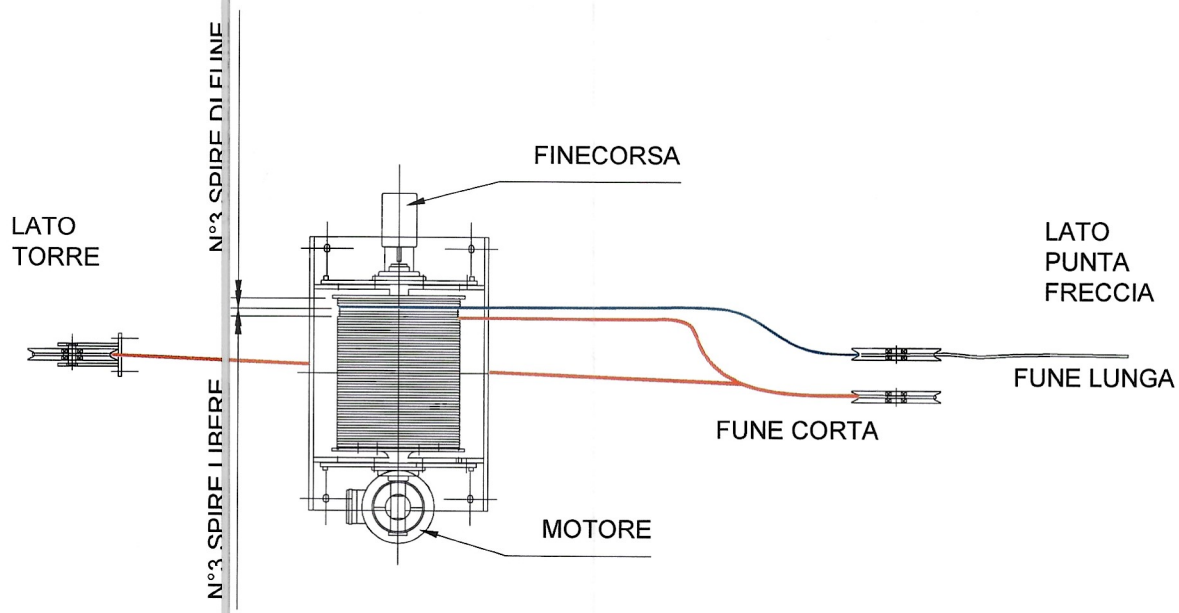
SIZE AND WEIGHT				COUNTERWEIGHT						
L	L1	H	W	P	Partial			Total		
[m]	[m]	[m]	[m]	[kg]	201-CA	201-CB	[kg]	201-CA	201-CB	[kg]
65	67,14	2,30	1,13	8378	1	1	5130	3	6	19830
62	64,24	2,30	1,13	7934	1	1	5130	3	6	19830
60	61,34	2,30	1,13	8059	1	1	5130	3	6	19830
57	58,44	2,30	1,13	7117	0	3	4440	3	5	18350
54	55,54	2,30	1,13	7715	0	3	4440	3	5	18350
51	52,64	2,30	1,13	6773	1	0	3650	3	4	16870
48	49,74	2,30	1,13	7336	1	0	3650	3	4	16870
45	46,84	2,30	1,13	6394	0	2	2960	3	3	15390
42	43,94	2,30	1,13	6862	0	2	2960	3	3	15390
39	41,04	2,30	1,13	5920	0	1	1480	3	2	13910
36	38,14	2,30	1,13	6330	0	1	1480	3	2	13910
33	35,24	2,30	1,13	5388	0	1	1480	3	1	12430
30	32,34	2,30	1,13	5697	0	1	1480	2	3	11740
28	29,44	2,30	1,13	4755	0	0	0	2	2	10260

6.16 GIRO FUNE CARRELLO FRECCIA

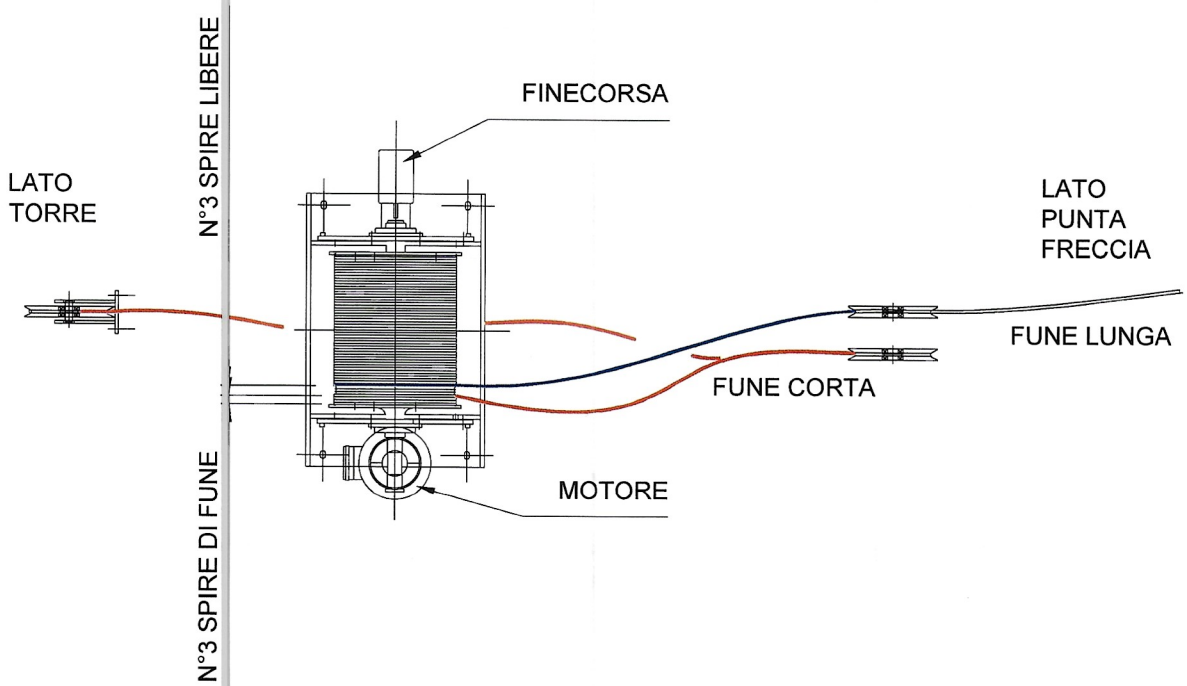


GIRO FUNE CARRELLO FRECCIA

SITUAZIONE DA VERIFICARE CON CARRELLO SOTTO TORRE



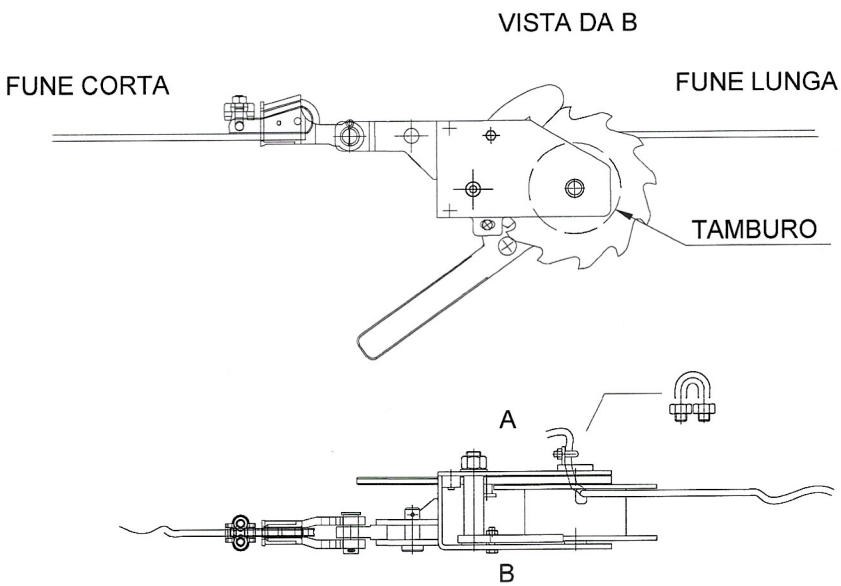
SITUAZIONE DA VERIFICARE CON CARRELLO IN PUNTA



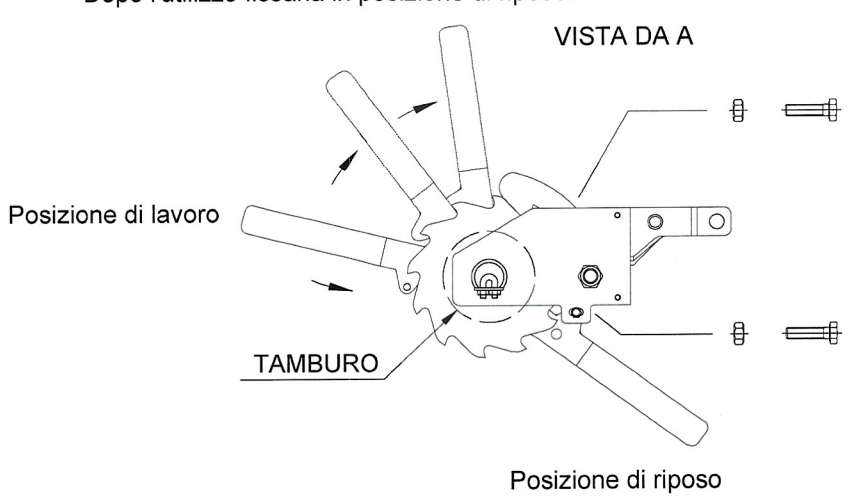
GIRO FUNE CARRELLO FRECCIA

6.16.1 TENSIONE FUNE CARRELLO (DISPOSITIVO DI TENSIONE)

1 Far passare la fune lunga attraverso il foro del tamburello e bloccare con il morsetto



2 Abbassare la leva in posizione di lavoro come indicato e tirare per portare in tensione la fune del carrello. Ripetere l'operazione fino al raggiungimento della tensione fune necessaria. Dopo l'utilizzo fissarla in posizione di riposo.



3 Una volta regolata la tensione fissare la leva in posizione di riposo con vite e dado. Infine bloccare il salterello con vite e dado, assicurarsi che il tamburo sia bloccato.