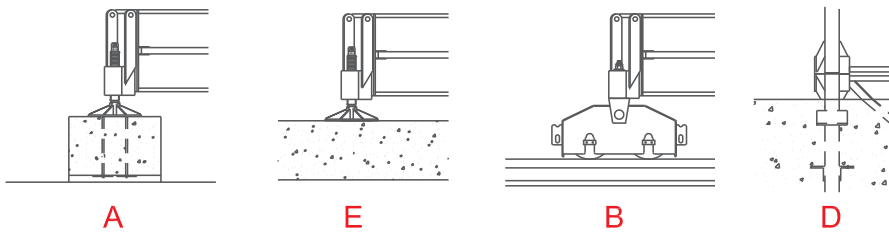
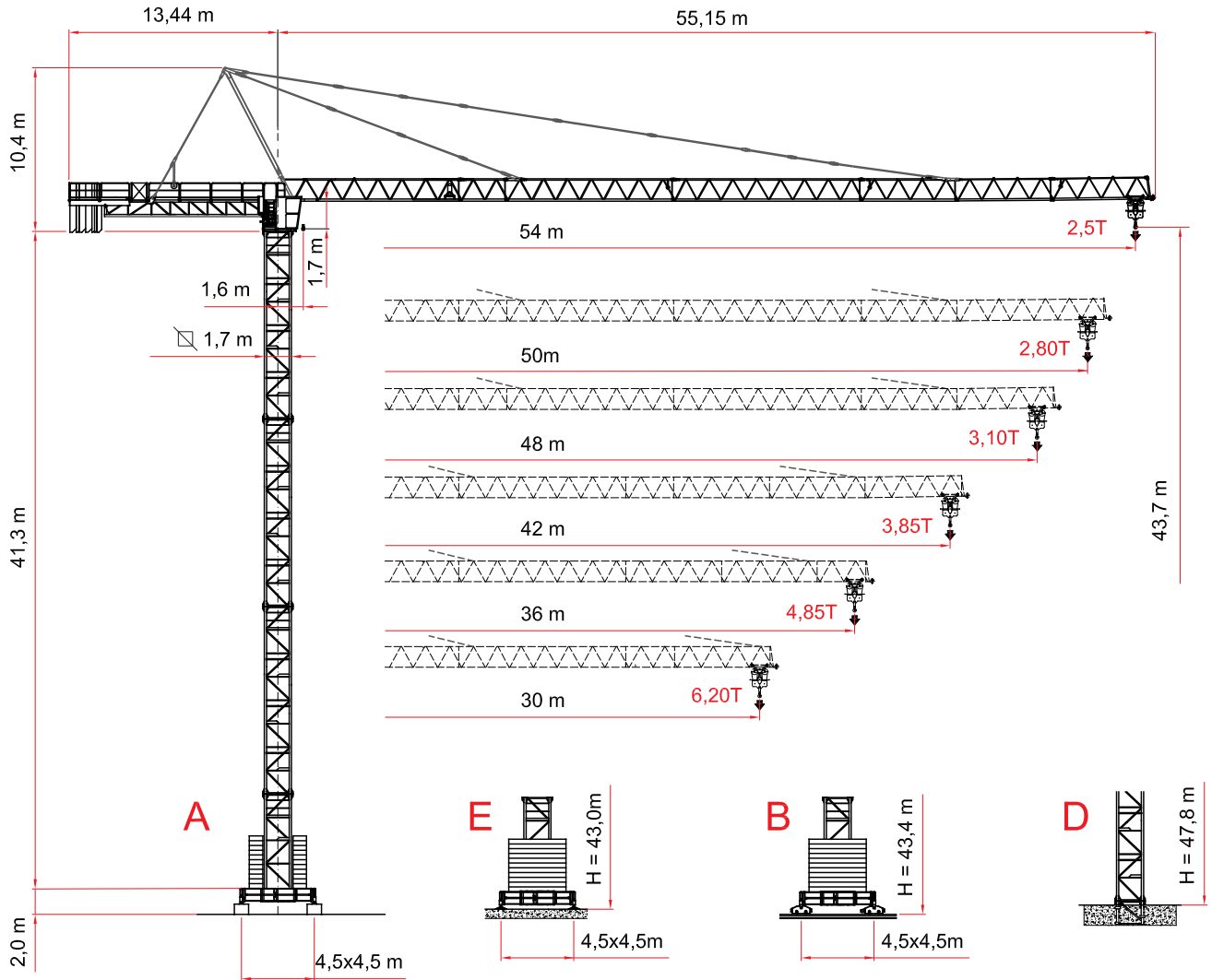


HAMMER HEAD CRANE



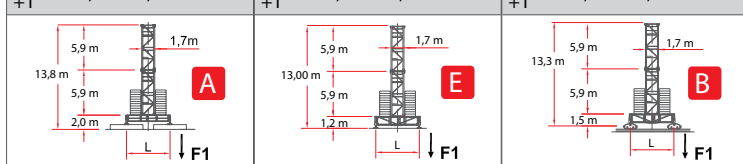
H = Height under hook
 Altezza sotto gancio
 Hauteur sous crochet
 Altura bajo el gancho
 Высота под крюком

TOWER CONFIGURATION - REACTIONS

CONFIGURAZIONE TORRE - REAZIONI / CONFIGURATION TOUR - RÉACTIONS / TORRE DE CONFIGURACIÓN - REACCIONES / КОНФИГУРАЦИЯ БАШНИ - РЕАКЦИИ

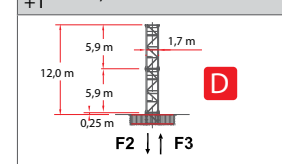
1,7 - L=3,8 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
6	-	-	6	-	-	6	-	-
5	-	-	5	-	-	5	-	-
4	37,7	98,78	4	37,0	100,3	4	37,2	100,3
3	31,8	86,98	3	31,1	88,5	3	31,3	88,5
2	25,9	81,08	2	25,2	82,6	2	25,4	82,6
(5,9 m) +1	20,0	75,18	(5,9 m) +1	19,3	82,6	(5,9 m) +1	19,5	82,6



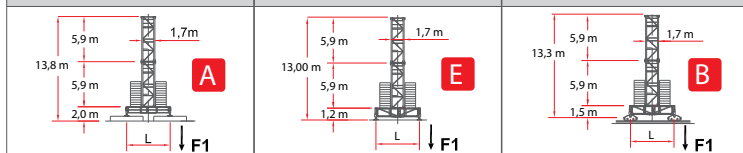
1,7 mt.

H (m)	F2 (kN)	F3 (kN)
6	47,8	1232
5	41,9	1072
4	36,0	979
3	30,1	899
2	24,2	831
(5,9 m) +1	18,3	773



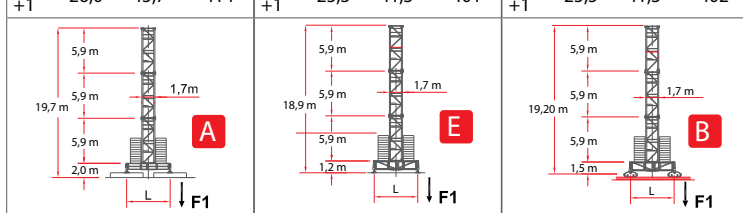
1,7 - L=4,5 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
6	-	-	6	-	-	6	-	-
5	43,7	87,0	5	43,0	88,5	5	43,4	88,5
4	37,8	75,2	4	37,1	70,8	4	37,5	70,8
3	31,9	69,3	3	31,2	64,9	3	31,6	64,9
2	26,0	69,3	2	25,3	64,9	2	25,7	64,9
(5,9 m) +1	20,1	69,3	(5,9 m) +1	19,4	64,9	(5,9 m) +1	19,8	64,9



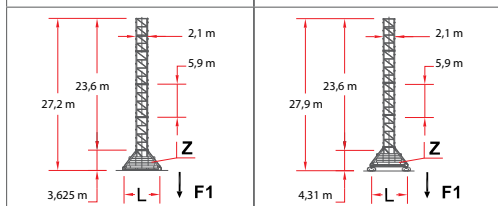
1,7 - L=6,0 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
5	49,6	75,2	5	48,9	76,7	5	49,1	76,7
4	43,7	69,3	4	43,0	64,9	4	43,2	64,9
3	37,8	57,5	3	37,1	53,1	3	37,3	53,1
2	31,9	57,5	2	31,2	53,1	2	31,4	53,1
(5,9 m) +1	26,0	45,7	(5,9 m) +1	25,3	41,3	(5,9 m) +1	25,5	41,3



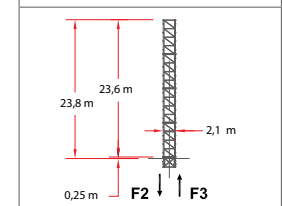
2,1 - L=6,0 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
5	60,5	90,0	5	61,2	90,0
4	54,6	70,6	4	55,3	70,6
3	48,7	64,1	3	49,4	64,1
2	42,8	51,2	2	43,5	51,2
(5,9 m) +1	36,9	38,3	(5,9 m) +1	37,6	38,3





2,1 mt.

H (m)	F2 (kN)	F3 (kN)
5	56,9	1795
4	51,0	1618
3	45,1	1255
2	39,2	938
(5,9 m) +1	33,3	733



LOAD DIAGRAMS **_8.0 T / 4.0 T**


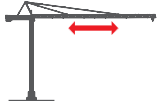
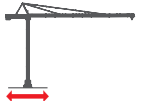
DIAGRAMMA DI PORTATA / DIAGRAMME DE CHARGE UTILE / CURVAS DE CARGA /
 ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ




Portata max / Max s.w.l. Charge maxi / Max. Tragfähigkeit		 8000 Kg. / 4000 Kg. 					
Sbraccio / Jib Ausladung / Portée	m.	30	36	42	48	50	54
Campo di portata max da Max s.w.l. range from Charge maxi de Max. Tragfähigkeit von	1,7 m a to à bis	24	23,2	22,5	21,5	20,4	20,1
Sbraccio (m.) Radius (m.) Portée(m.) Ausladung(m.)	18	8000	8000	8000	8000	8000	8000
	20	8000	8000	8000	8000	8000	8000
	22	8000	8000	8000	7804	7468	7380
	24	7996	7742	7409	7066	6759	6679
	26	7302	7068	6761	6446	6163	6089
	28	6710	6493	6209	5917	5656	5587
	30	6200	5998	5733	5461	5218	5154
	32		5566	5319	5064	4836	4776
	34		5186	4954	4715	4501	4444
	36		4850	4631	4405	4203	4150
	38			4342	4129	3938	3888
	40			4084	3881	3700	3652
	42			3850	3657	3485	3440
	44				3454	3290	3247
	46				3269	3112	3071
	48				3100	2949	2910
	50					2800	2762
52						2626	
54						2500	

Con sistema 'ULTRALIFT' tutte le portate intermedie sono aumentate dei 10%
 All intermediate loads are increased of 10% if the crane is equipped with "ULTRALIFT" control
 Les charges intermdiaires sont augmentes de 10% si la grue est équipée avec controle "ULTRALIFT"

HOISTING WINCH INVERTER - PERFORMANCES

MECCANISMI / MÉCANISMES / MECANISMOS / МЕХАНИЗМЫ

		Velocità - Speed Vitesse - Geschwindigkeit	Potenza - Power Puissance - Leistung
Rotazione Slewing Orientation Schwenken		0,26 / 0,48 / 0,7 min ⁻¹	2 x 4 Kw
Carrello Trolley Chariot Katzfahren		18,8 / 35,2 / 54 m/min	5,5 Kw
Traslazione Rail Translation Kranfahren		20 m/min	2 x 4 Kw

Tipo - Type - Tipe - Type 	Potenza-power puissance - Leistung		Fune rope cable Seil m	Marcia Step Vitesse Gang				
	CV - ch PS - hp	kW			Carico load charge last kg	Velocità speed Geschw vitesse m/min	Carico load charge last kg	Velocità speed Geschw vitesse m/min
40 HP - 8 VF	40	30	240 450 LB	1	4000	7	8000	3,5
				2	4000	25	8000	12,5
				3	4000	43	8000	21,5
				4	2200	68	4400	34
				5	1500	93	3000	46,5
				5 (*)	0 - 600	100	0 - 1200	50
60 HP - 8 VF	60	45	780 LB	1	4000	8	8000	4
				2	4000	24	8000	12
				3	4000	40	8000	20
				4	3000	64	6000	32
				5	2000	80	4000	40
				5 (*)	0 - 750	96	0 - 1500	48

Conforme alla direttiva 2000/14/CE sul livello acustico - In compliance with the 2000/14/CE instruction on noise level - Conforme directive 2000/14/CE sur le niveau acoustique - Gemiss 2000/14/CE ber Schall - Leistungspegel - Conforme con la directive 2000/14/CE sobre el nivel acustico

Forza motrice totale - Total installed power Puissance totale des moteurs - Gesamt-motorenleistung	30 Kw (40 HP)	45 Kw (60 HP)
(*) speed automatically controlled by a current sensor / velocità regolata automaticamente da sensore di corrente / vitesse réglée automatiquement par capteur de courant / acelerar controlado automáticamente por un sensor de corriente / скорость автоматически регулируется датчиком тока	35 Kw	47 Kw

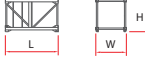
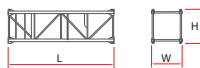








PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight		
				L	W	H	Unit	Total	
1	1	Elemento di freccia Jib element Elément de flèche Ausleger	n° 1		11,425	1,300	1,650	1352	-
	1		n° 2		3,170	1,300	1,477	335	-
	1		n° 3		10,670	1,300	1,477	973	-
	1		n° 4A		6,170	1,300	1,477	632	-
	1		n° 4B		6,170	1,300	1,477	632	-
	1		n° 6		6,160	1,300	1,477	626	-
	2		n° 7-8		6,160	1,300	1,477	448	-
	1	1	Puntale freccia Jib point Elément pointe Spitzelement		1,315	1,290	1,525	110	-
2	1	Cuspide Aframe Pointe Turmspitze		7,830	0,400	1,145	735	-	
3	1	Controfreccia, argano di sollev., quadro elettrico, carrello freccia etc. Counterjib, hoisting winch, trolley jib, electrical box etc. Contreflèche tournante, treuil de levage, chariot de flèche, armoire électrique etc. Gegenausleger, Hubwinde, Laufkatze Schaltschrank etc.		13,250 (L1) 11,950	1,960	2,300	6080 5700	-	
	1	Controfreccia, argano di sollev., quadro elettrico, carrello freccia, portablocchi Counterjib, hoisting winch, trolley jib, electrical box etc. Contreflèche, treuil de levage, chariot de flèche, armoire électrique, élément terminal Gegenausleger, Hubwinde, Laufkatze Schaltschrank Gegenwichtelement		15,680	1,960	2,300	7050	-	
4	1	Girevole, quadro elettrico, porta-cabina, cabina, etc. Turntable, electrical box, service and access balcony, cabin etc. Plateforme tournante, cabine, armoire elect. Drehwerk, Schaltschrank, Kabinepodest, Kabine		2,470	3,830	2,190	4620	-	
5	2	Blocchi di contrappeso Counterweight block Contre-poids Gegengewichtsbloecke		A123	1,475	0,400	3,070	3615	7230
	2			C123	1,475	0,290	3,070	2625	5250
	3			D123	1,475	0,190	3,070	1720	5160



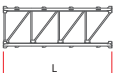

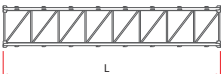



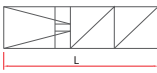



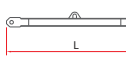

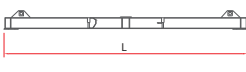

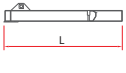





PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight	
				L	W	H	Unit	Total
6	-			2,950	1,900	1,700	1335	-
7	-	Elemento di torre Tower element Elément de mature Turmstück		5,900	1,900	1,700	2267	-
8	-			11,800	1,900	1,700	4135	-
9	1	Tronchetto di fondazione Expendable foundation element Elément a sceller Fundamentanker		1,465	1,980	1,980	830	-
10	1	Trave principale della crociera di base Base main beam Poutre de chasis de base Hauptträger für Kreuzgelenk		6,524	0,780	0,960	2595	-
11	2	Semitrave della crociera di base Half base beam Semipoutre de chasis de base Halbträger für Kreuzgelenk		3,212	0,680	0,974	1235	2470
12	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss		3,600	0,900	0,750	5520	22080
13	2	Bilancino di traslazione folle Driving bogie Boggie fou Fahrschemel ohne motorantrieb		1,315	0,222	0,540	600	1200
14	2	Bilancino di traslazione motorizzato Driven bogie Boggie motorisée Fahrschemel mit Motorantrieb		1,427	0,492	0,540	765	1530
15	34	Blocco di zavorra Base ballast block Lest de base Grundballastblöcken		3,600	1,200	0,300	2950	100300

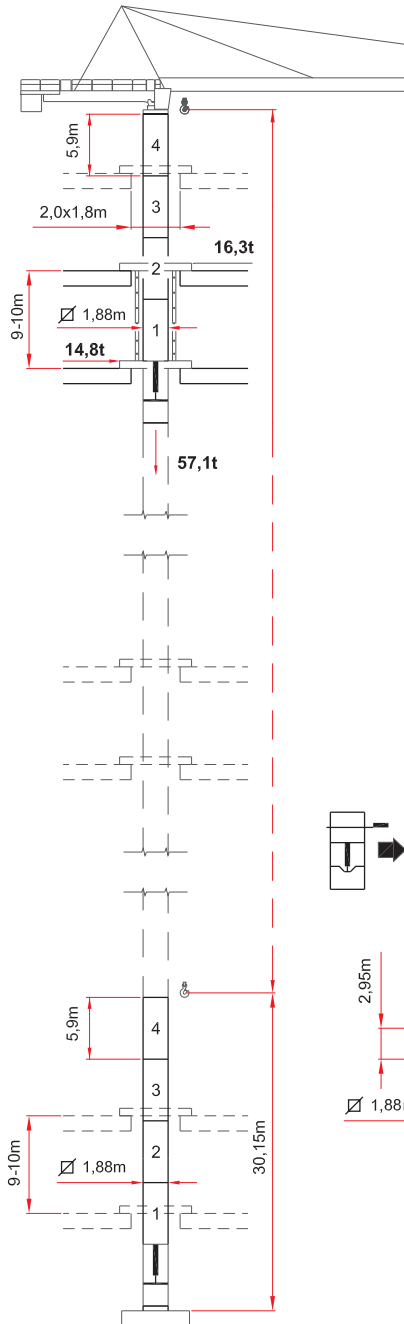
PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight		
				L	W	H	Unit	Total	
HC5 - 2,1 mt.									
16	-				2,950	2,270	2,270	1530	-
17	-	Elemento di torre monolitico Tower element Élément de mature Turmstück			5,900	2,270	2,270	2700	-
18	-				11,800	2,270	2,270	5100	-
19	1	Elemento di base Base element Mat de base Turmbasiselement			3,000	2,475	2,475	1925	-
20	1	Gabbia di montaggio Climbing cage Cage de montage Hydraulikbühne			8,530	3,100	2,300	7670	-
21	1	Tronchetto di fondazione Expendable foundation element Élément a sceller Fundamentanker			1,345	2,400	2,400	820	-
22	4	Puntoni di base Obliqual legs Jambes de force Basisdruckstäben			3,640	0,220	0,300	288	1152
23	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk			8,890	0,620	0,720	1575	-
24	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk			4,340	0,600	0,720	700	1400
25	4	Bilancino di traslazione motorizzato Driven bogie Boggie motorisée Fahrschemel mit Motorantrieb			1,427	0,492	0,540	765	3060
26	1	Telaio di raccordo a spinta Climbing cage connection frame Élément de telescopage Turmstück			2,296	2,296	1,500	1190	-

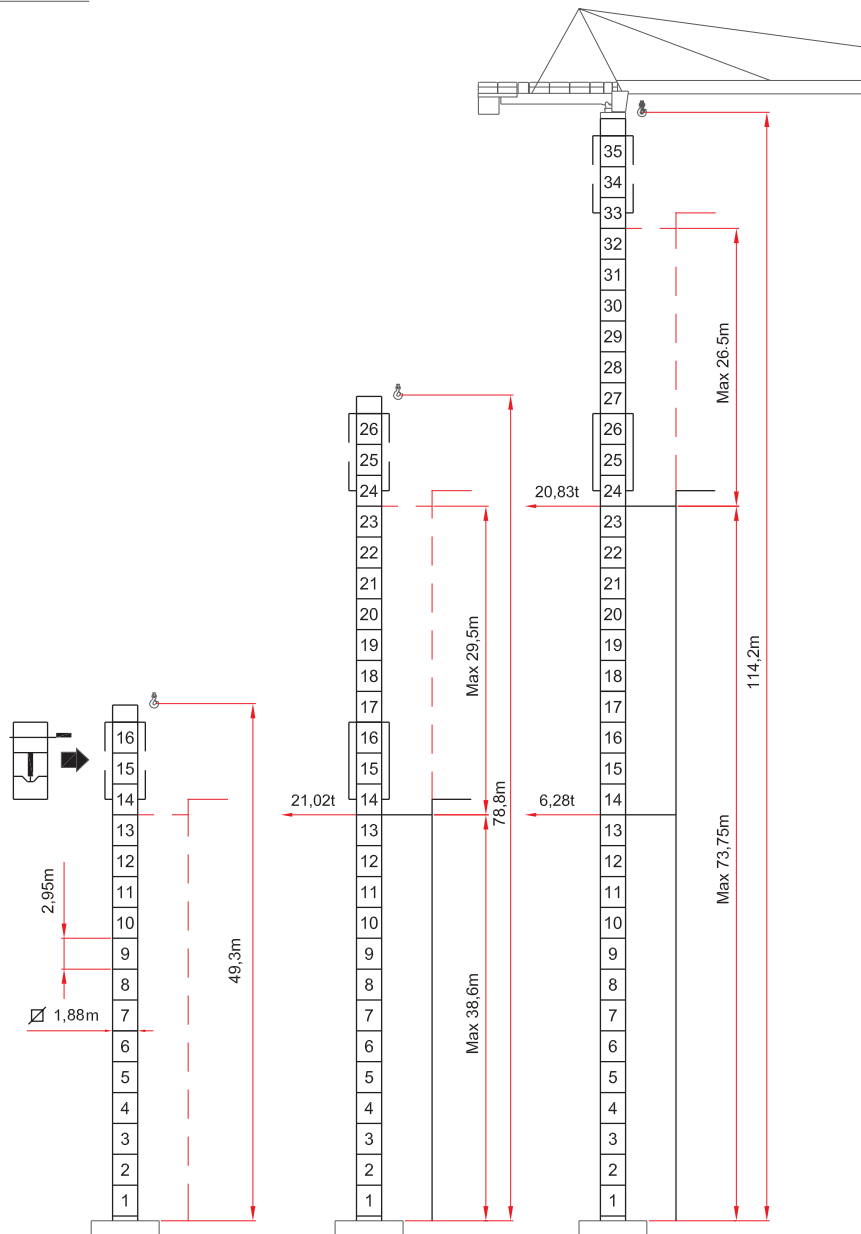
INTERNAL CLIMBING

GRU IN CAVEDIO / TÉLESCOPAGE SUR DALLES /
 GRUA EN CAVEDIO / ПОДНИМАЮЩИЙСЯ НА
 ПЛИТАХ ПЕРЕКРЫТИЯ



EXTERNAL CLIMBING

SOPRALZO IDRAULICO / TELESCOPABLE / ELEVACIÓN
 HIDRÁULICA / ГИДРАВЛИЧЕСКОЕ НАРАЩИВАНИЕ



[MR 177 _REV. _0312] ADL / TECHNICAL DEPARTEMENT

THE DATA OBJECT OF THESE SHEETS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE / I DATI OGGETTO DELLE PRESENTI SCHEDE POTREBBERO SUBIRE MODIFICHE SENZA PREAVVISO / LES INFORMATIONS DONNÉES DANS LES PRÉSENTES FICHES POURRAIENT SUBIR DES MODIFICATIONS SANS PRÉAVIS / LOS DATOS CONTENIDOS EN ESTE FORMULARIO ESTÁN SUJETAS A CAMBIOS SIN PREVIO AVISO / ДАННЫЕ, УКАЗАННЫЕ В НАСТОЯЩИХ СПЕЦИФИКАЦИЯХ, МОГУТ ИЗМЕНЯТЬСЯ БЕЗ ПРЕДВАРИТЕЛЬНОГО ПРЕДУПРЕЖДЕНИЯ.