



GRU DA CITTÀ - CITY CRANE
CITY CRANE - CITY KRAN

MR93



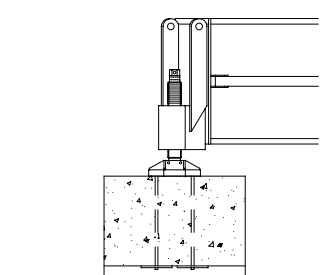
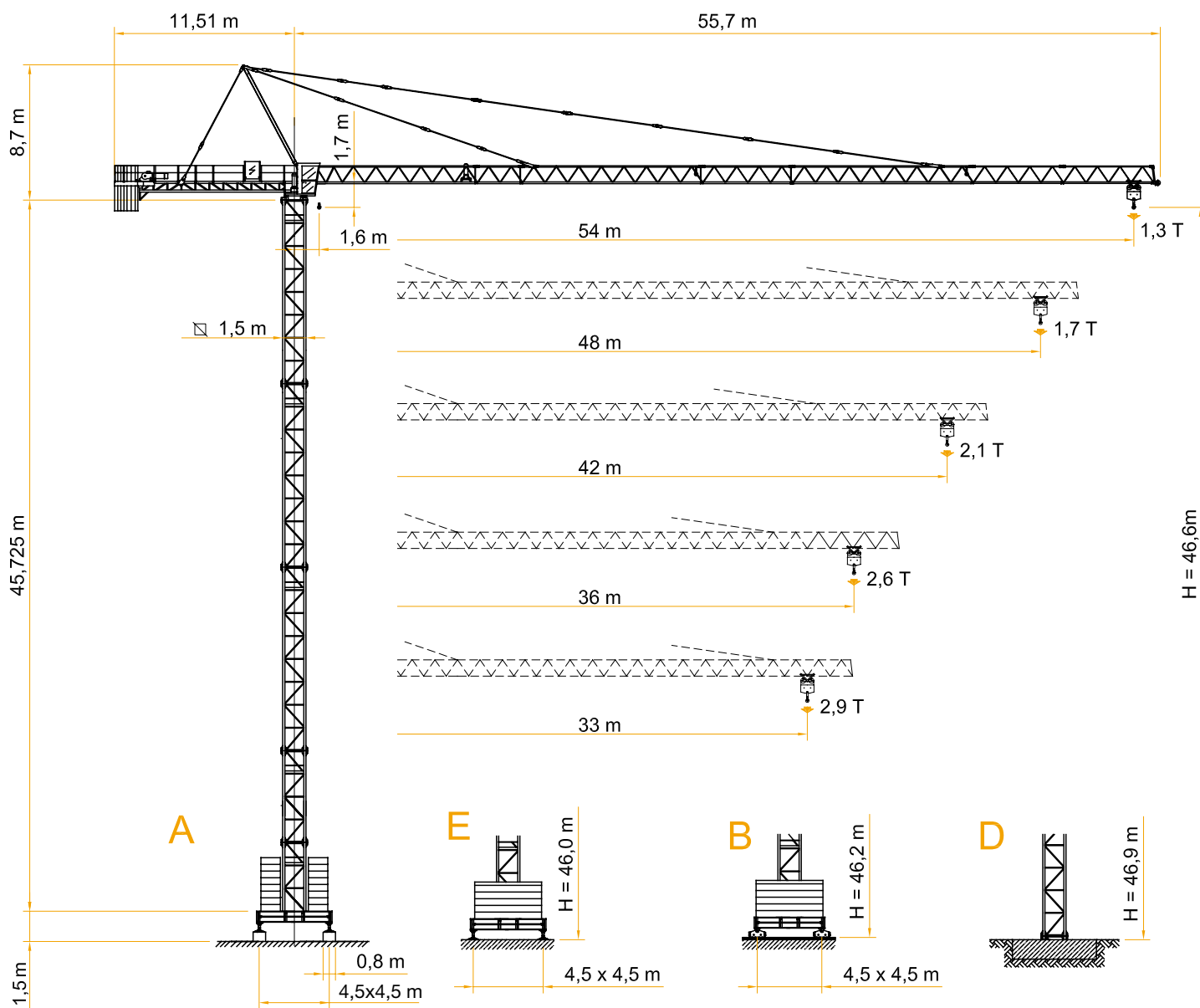
RAIMONDI



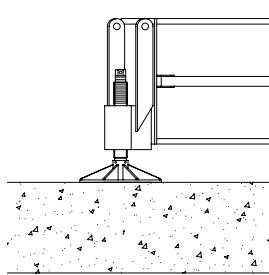
Scheda Tecnica
Technical Data Sheet
Fiche technique
Technische Spezifikationen



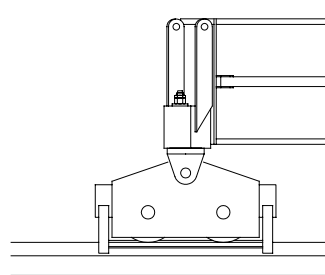
A4 FEM1,001



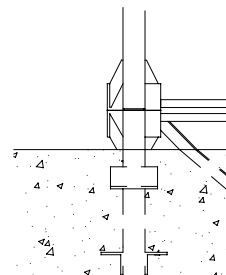
A



E



B



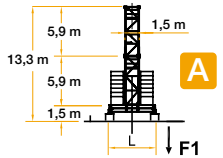
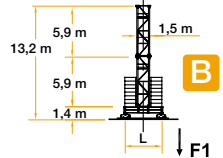
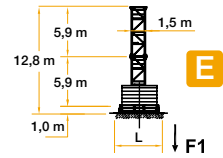
D

ALTEZZA SOTTOGANCIO

Height under hook / Hauteur sous crochet / Hakenhöhe

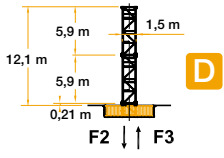
1,5 - L=3,8 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
7	-	-	7	-	-	7	-	-
6	-	-	6	-	-	6	-	-
5	42,2	80,6	5	41,8	76,7	5	41,6	76,7
4	36,3	68,8	4	35,9	59,0	4	35,7	59,0
3	30,4	51,1	3	30,0	47,2	3	29,8	47,2
2	24,5	45,2	2	24,1	41,3	2	23,9	41,3
(5,9 m)			(5,9 m)			(5,9 m)		
+1	18,6	45,2	+1	18,2	41,3	+1	18,0	41,3

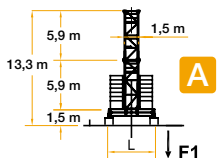
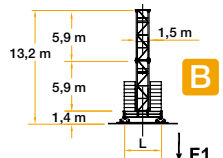
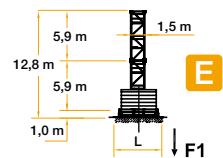
1,5 mt.

H (m)	F2 (kN)	F3 (kN)
7	-	-
6	46,9	1274
5	41,0	962
4	35,1	735
3	29,2	584
2	23,3	504
(5,9 m)		
+1	17,4	453



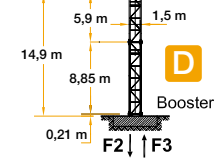
1,5 - L=4,5 mt.

H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)	H (m)	Z (t)	F1 (kN)
7	-	-	7	-	-	7	-	-
(4,4 m)			(4,4 m)			(4,4 m)		
6	46,6	74,7	6	46,2	70,8	6	46,0	70,8
5	42,2	68,8	5	41,8	64,9	5	41,6	64,9
4	36,3	51,1	4	35,9	47,2	4	35,7	47,2
3	30,4	39,3	3	30,0	35,4	3	29,8	35,4
2	24,5	39,3	2	24,1	35,4	2	23,9	35,4
(5,9 m)			(5,9 m)			(5,9 m)		
+1	18,6	39,3	+1	18,2	35,4	+1	18,0	35,4

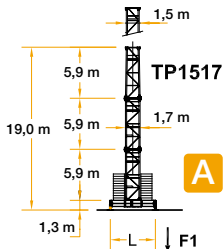
1,5 mt.

H (m)	F2 (kN)	F3 (kN)
7	55,7	1782
6	-	-
5	-	-
4	-	-
3	-	-
2	-	-
(5,9 m)		
+1	-	-



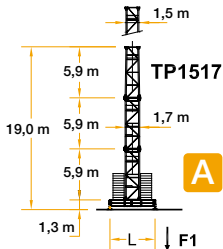
1,7/1,5 - L=4,5 mt.

H (m)	Z (t)	F1 (kN)
6	54,4	100,3
5	-	-
4	-	-
3	-	-
2	-	-
(5,9 m)		
+1	-	-



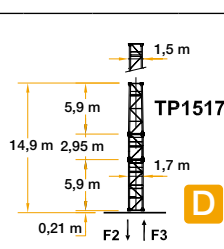
1,7/1,5 - L=6,0 mt.

H (m)	Z (t)	F1 (kN)
6	54,4	64,9
5	-	-
4	-	-
3	-	-
2	-	-
(5,9 m)		
+1	-	-



1,7/1,5 mt.

H (m)	F2 (kN)	F3 (kN)
7	55,7	1824
6	-	-
5	-	-
4	-	-
3	-	-
2	-	-
(5,9 m)		
+1	-	-



PORTATA

Load - Charge - Tragfähigkeit

Portata max / Max s.w.l. Charge maxi / Max. Tragfähigkeit		3000 Kg. 					6000 Kg. / 3000 Kg. 				
Sbraccio / Jib Ausladung / Portée	m.	33	36	42	48	54	33	36	42	48	54
Campo di portata max da Max s.w.l. range from Charge maxi de Max. Tragfähigkeit von	1,6 m a to à bis	32,02	31,71	30,71	29,32	26,47	16,94	16,80	16,33	15,66	14,24
Sbraccio (m.) Radius (m.) Portée(m.) Ausladung(m.)	12	3000	3000	3000	3000	3000	6000	6000	6000	6000	6000
	14	3000	3000	3000	3000	3000	6000	6000	6000	6000	6000
	16	3000	3000	3000	3000	3000	6000	6000	6000	5855	5258
	18	3000	3000	3000	3000	3000	5606	5555	5378	5127	4599
	20	3000	3000	3000	3000	3000	4980	4933	4775	4550	4077
	22	3000	3000	3000	3000	3000	4471	4429	4285	4082	3653
	24	3000	3000	3000	3000	3000	4050	4011	3880	3694	3302
	26	3000	3000	3000	3000	3000	3695	3660	3539	3368	3006
	28	3000	3000	3000	3000	2815	3392	3360	3248	3089	2754
	30	3000	3000	3000	2923	2603	3131	3101	2996	2849	2537
	32	3000	2970	2864	2718	2418	2903	2875	2777	2639	2347
	33	2900	2869	2766	2625	2334	2800	2772	2678	2544	2261
	34		2774	2675	2537	2255		2676	2584	2454	2180
	36		2600	2506	2377	2111		2500	2413	2291	2032
	38			2356	2234	1982			2261	2145	1900
	40			2222	2105	1867			2124	2014	1781
	42			2100	1989	1762			2000	1895	1674
	44				1884	1667				1788	1577
	46				1788	1581				1690	1488
	48				1700	1502				1600	1407
	50					1429					1332
	52					1362					1264
	54					1300					1200

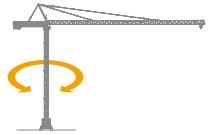
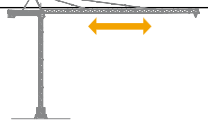
Con sistema "ULTRALIFT" tutte le portate intermedie sono aumentate del 10%

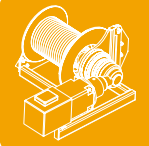
All intermediate loads are increased of 10% if the crane is equipped with "ULTRALIFT" control

Les charges intermédiaires sont augmentées de 10% si la grue est équipée avec contrôle "ULTRALIFT"

CARATTERISTICHE AZIONAMENTI PRINCIPALI

General Technical Characteristics - Caracteristiques des mecanismes de distribution - Allgemeine Technische Daten

		Velocità - Speed Vitesse - Geschwindigkeit	Potenza - Power Puissance - Leistung
Rotazione Slewing Orientation Schwenken		0,23 / 0,47 / 0,71 min ⁻¹	2 x 4 Kw
Carrello Trolley Chariot Katzfahnen		18,8 / 35,2/54 m/min Progressivo - Progressive	3,6 Kw
Traslazione Rail Translation Kranfahren		18 m/min	2 x 3 Kw

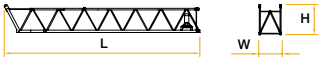
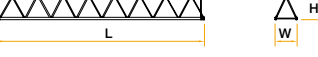
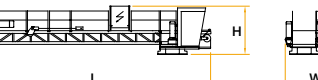
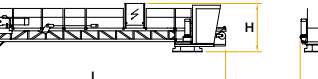
Tipo - Type - Tipe - Type 	Potenza-power puissance - Leistung		Fune rope cable Seil	Marcia Step Vitesse Gang	 Carico load charge last kg		 Carico load charge last kg	
	CV - ch PS - hp	kW			Velocità speed Geschw vitesse m/min		Velocità speed Geschw vitesse m/min	
25 HP - 6 VF	25	18,4	190	1	3000	6	6000	3
				2	3000	30	6000	15
				3	1500	60	3000	30
				4	1000	72	2000	36
33 HP - 6 VF	33	24,3	234 450	1	3000	9,1	6000	4,6
				2	3000	36,5	6000	18
				3	1500	73	3000	36,5
				4	1000	90	2000	45

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	18,4 Kw (25HP)	24,3 Kw (33HP)
	36 Kw	42 Kw

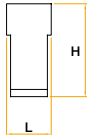
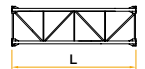
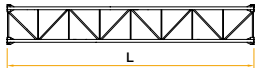
PESI E INGOMBRI

Packing list - Liste de colisage - Kolli-Liste

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		11,780	1,200	1,451	972	-
	1		n° 2		3,070	1,200	1,180	233	-
	1		n° 3		11,770	1,200	1,180	843	-
	1		n° 4		5,970	1,200	1,180	400	-
	1		n° 5		11,760	1,200	1,180	776	-
	1		n° 6-7		5,960	1,200	1,180	368	-
	1	Puntale freccia Jib point Elément pointe Spitzelement			1,315	1,200	1,300	75	-
2	1	Cuspide A frame Pointe Turmspitze			7,350	0,415	1,105	459	-
3	1	Controfreccia girevole, argano di sollev., quadro elettrico, carrello freccia etc. Counterjib turntable, hoisting winch, trolley jib, electrical box etc. Contreflèche tournante, treuil de levage, chariot de flèche, armoire électrique etc. Gegenausleger, Hubwinde, Drehwerk Laufkatze, Schaltschrank etc.			11,955	1,980	2,475	6635	-
	1	Controfreccia girevole, argano di sollev., quadro elettrico, carrello freccia, cabina Counterjib turntable, hoisting winch, cabin, acces balcony, trolley jib, electrical box, cabin, etc. Contreflèche tournante, treuil de levage, chariot de flèche, armoire électrique, cabine Gegenausleger, Drehwerk, Hubwinde, Laufkatze, Kabine Schaltschrank, Kabinenpodest			11,955	3,150	2,475	7205	-
4	1	Controfreccia girevole, argano di sollev., quadro elettrico, carrello freccia, cabina, elemento porta-blocchi Counterjib turntable, hoisting winch, cabin, acces balcony, trolley jib, electrical box, terminal element Contreflèche tournante, treuil de levage, chariot de flèche, armoire électrique, cabine et élément terminal Gegenausleger, Drehwerk, Hubwinde, Laufkatze, Kabine Schaltschrank, Kabinenpodest, Gegenwichtelement			13,500	3,150	2,475	7595	-

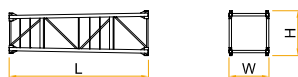
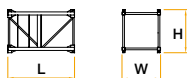
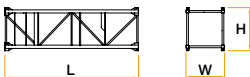
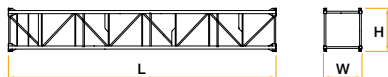
PESI E INGOMBRI

Packing list - Liste de colisage - Kolli-Liste

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight	
				L	W	H	Unit	Total
5	4	Blocchi di contrappeso Counterweight block Contre-poids Gegengewichtsbloecke	 A95	1,430	0,200	2,945	1703	6812
	2			1,430	0,260	2,945	2215	4430
	1			1,430	0,170	2,945	1448	-
6	-	Elemento di torre Tower element Elément de mature Turmstück		2,950	1,700	1,500	1172	-
7	-			4,425	1,700	1,500	1590	-
8	-			5,900	1,700	1,500	1990	-
9	-			11,800	1,700	1,500	3682	-
10	1	Tronchetto di fondazione Expendable foundation element Elément a sceller Fundamentanker		1,465	1,780	1,780	780	-
11	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk	 4,5x4,5 mt 3,8x3,8 mt	6,530	0,710	0,760	2120	-
				5,535	0,710	0,760	1460	-
12	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk	 4,5x4,5 mt 3,8x3,8 mt	3,200	0,590	0,770	1030	2060
				2,620	0,590	0,770	940	1880
13	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss		3,600	0,800	0,600	3925	15700
14	2	Bilancino di traslazione folle Driving bogie Boggie fou Fahrschemel ohne Motorantrieb		1,080	0,230	0,515	415	830
15	2	Bilancino di traslazione motorizzato Driven bogie Boggie motorisée Fahrschemel mit Motorantrieb		1,550	0,500	0,515	535	1070
16	26	Blocco di zavorra Base ballast block Lest de base Grundballastblöcken		3,600	1,200	0,300	2900	75400

PESI E INGOMBRI

Packing list - Liste de colisage - Kolli-Liste

Pos. Item	Pezzi Pieces	Denominazione Description	Schizzo Sketch	Dimensioni Dimensions			Peso Weight	
				L	W	H	Unit	Total
City 1,7 mt.								
17	6	Elemento di torre 1,7/1,5 m 1,7/1,5 m Tower element 1,7/1,5 m Elément de mature 1,7/1,5 m Turmstück		5,900	1,700	1,900	2205	-
18	-	Elemento di torre monolitico Tower element Elément de mature Turmstück		2,950	1,900	1,700	172	-
19	-			5,900	1,900	1,700	2267	-
20	-			11,800	1,900	1,700	4135	-
21	1	Tronchetto di fondazione Expendable foundation element Elément a sceller Fundamentanker		1,465	1,980	1,980	830	-
22	1	Trave principale della crociera di base Base main beam Poutre de chassis de base Hauptträger für Kreuzgelenk		6,525	0,780	0,960	2595	-
23	2	Semitrave della crociera di base Half base beam Semipoutre de chassis de base Halbträger für Kreuzgelenk		3,212	0,680	0,974	1235	2470
24	4	Blocco di appoggio Concrete pad Sabot en béton Betonfuss		3,600	0,900	0,750	5520	22080
25	2	Bilancino di traslazione folle Driving bogie Boggie fou Fahrschemel ohne motorantrieb		1,315	0,222	0,540	600	1200
26	2	Bilancino di traslazione motorizzato Driven bogie Boggie motorisée Fahrschemel mit Motorantrieb		1,427	0,492	0,540	765	1530

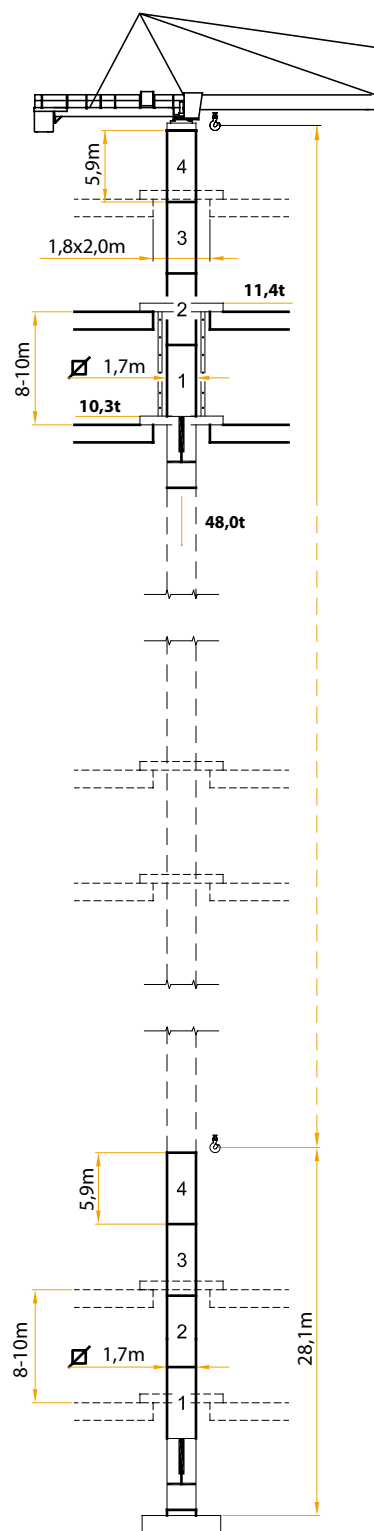
RAMPANTE

RI - 1,7 / 39

floor climbing

telescopable sur dalles

kletterkrane im gebäude



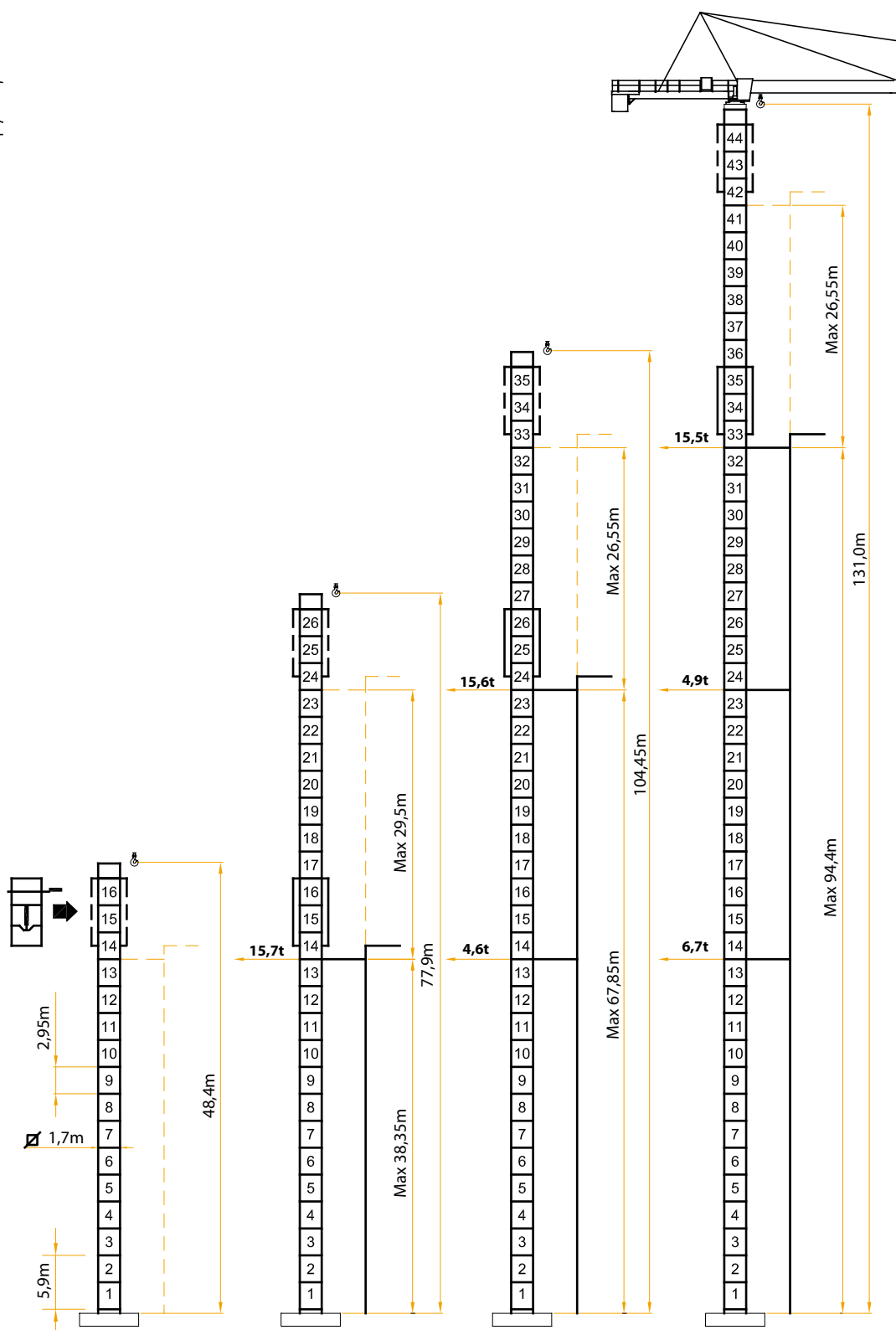
SOPRALZO IDRAULICO

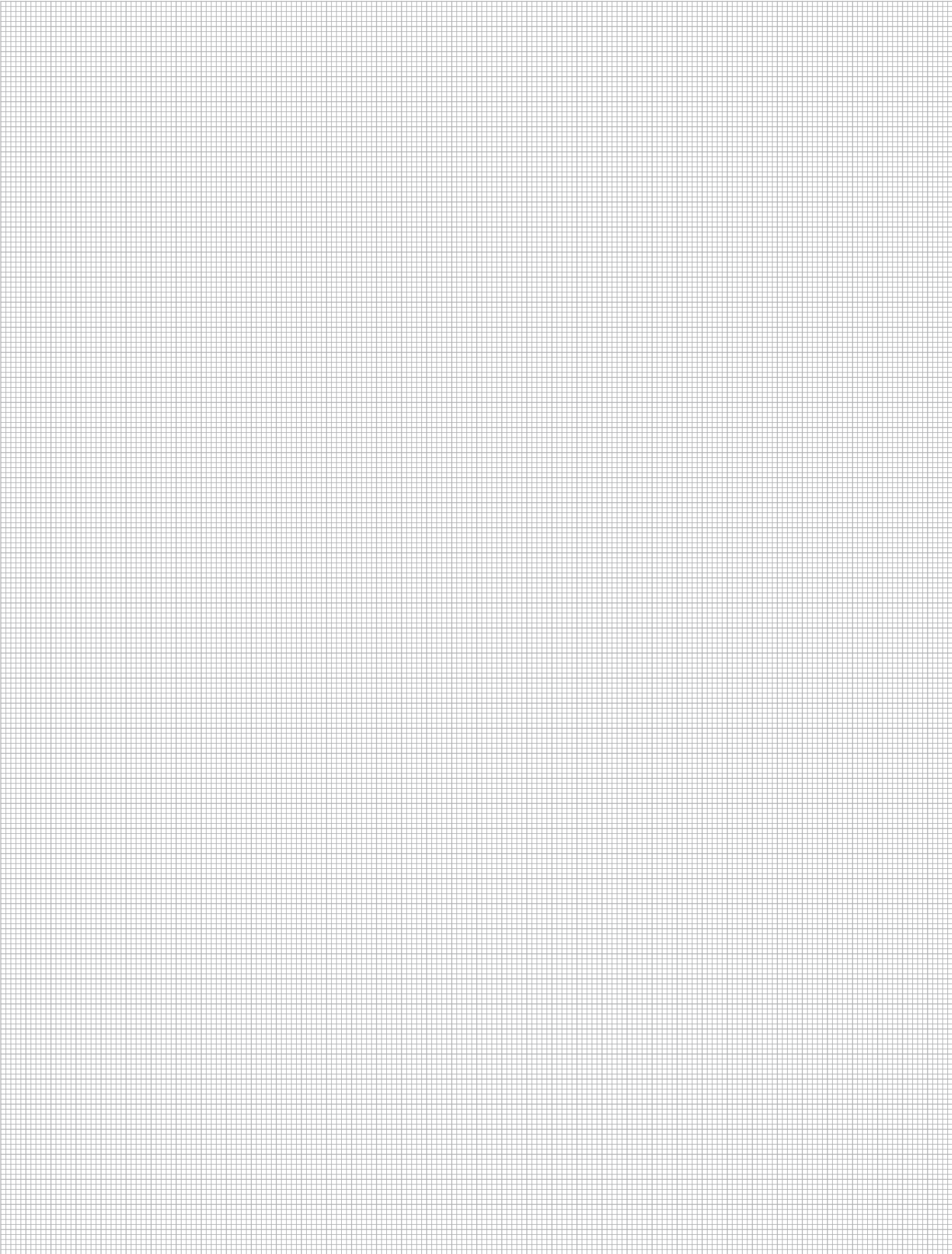
HC - 1,7 / 39

external climbing

telescopable

kletterkrane





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Building Tower Cranes since 1946