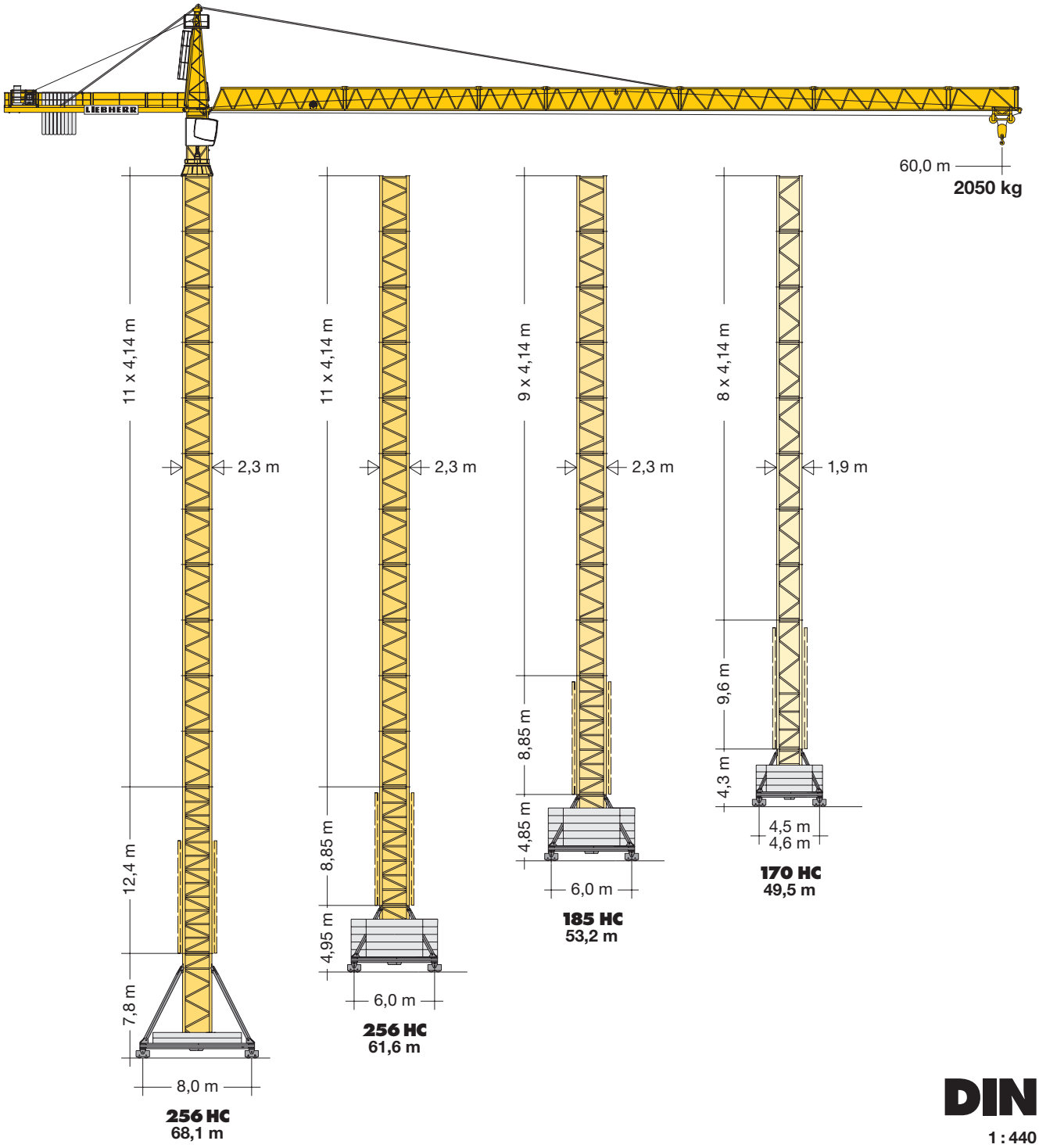
Turmdrehkran
180 EC-H 12 FR.tronic®

Tower Crane / Grue à tour / Gru a torre
Grúa torre / Guindaste de torre

180 EC-H 10 FR.tronic®
180 EC-H 10 Litronic®
180 EC-H 12 FR.tronic®

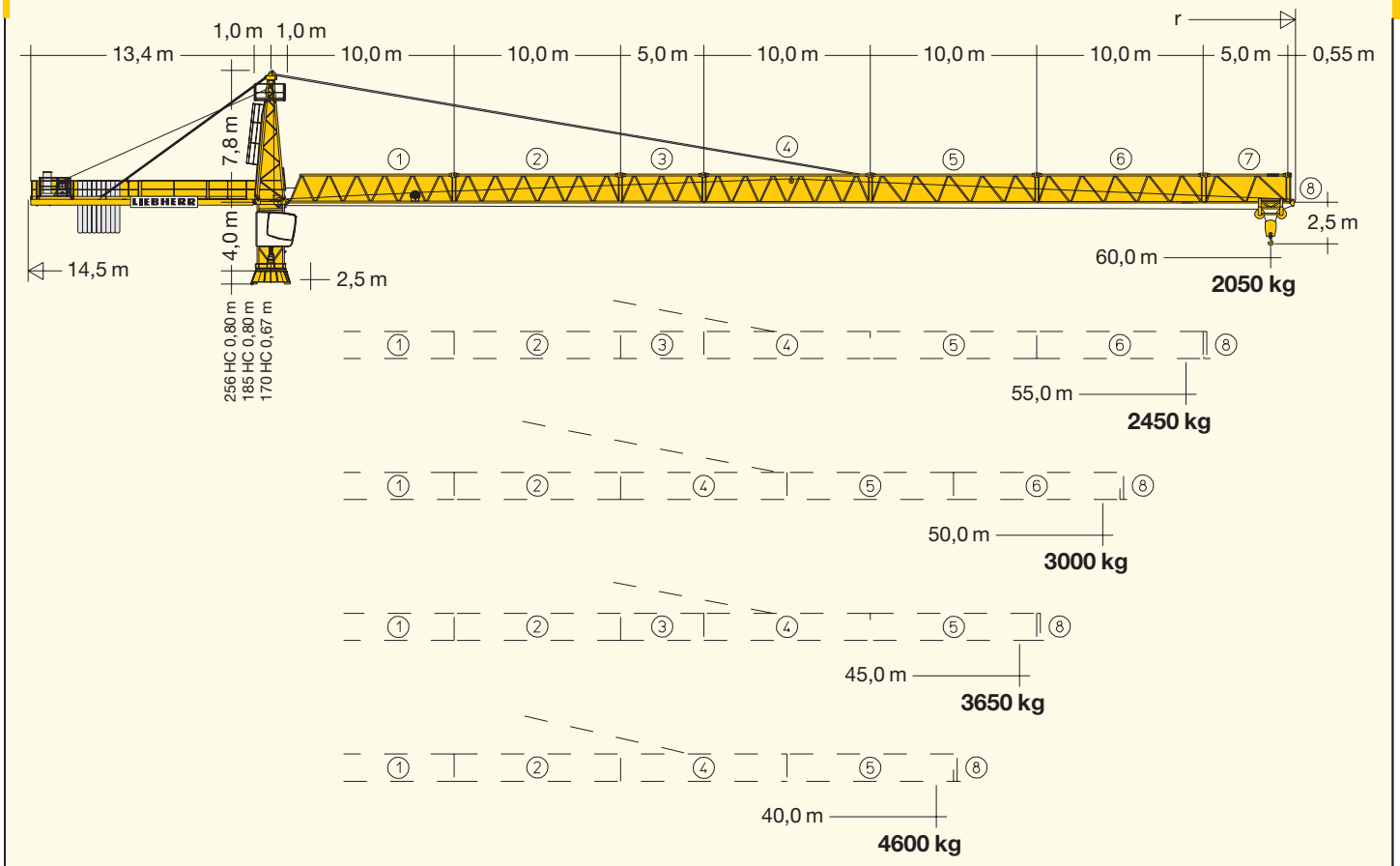


DIN

1 : 440

LIEBHERR

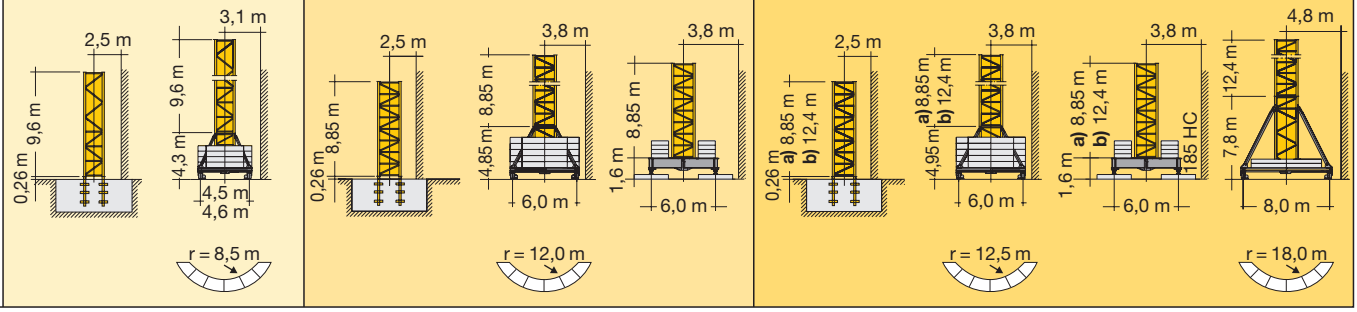
Courtesy of Crane.Market



Hubhöhe

Hoisting height / Hauteur sous crochet / Altezza di sollevamento / Altura bajo gancho / Altura de montagem

	170 HC		185 HC			256 HC						
12	–	–	–	–	–	–	64,6*	–	–	–	–	–
11	–	–	–	–	–	56,9*	60,5*	61,6*	65,2*	–	–	68,1*
10	–	–	52,8*	–	–	52,8	56,3	57,5	61,1*	54,1*	57,7*	63,9
9	49,5*	–	48,6*	53,2*	50,0*	48,6	52,2	53,3	56,9	50,0	53,6	59,8
8	45,4*	49,5*	44,5	49,0	45,9	44,5	48,0	49,2	52,8	45,9	49,4	55,6
7	41,2	45,4	40,3	44,9	41,7	40,3	43,9	45,0	48,7	41,7	45,3	51,5
6	37,1	41,2	36,2	40,7	37,6	36,2	39,8	40,9	44,5	37,6	41,2	47,4
5	32,9	37,1	32,1	36,6	33,4	32,1	35,6	36,8	40,4	33,4	37,0	43,2
4	28,8	32,9	27,9	32,5	29,3	27,9	31,5	32,6	36,2	29,3	32,9	39,1
3	24,7	28,8	23,8	28,3	25,2	23,8	27,3	28,5	32,1	25,2	28,7	34,9
2	20,5	24,7	19,6	24,2	21,0	19,6	23,2	24,3	28,0	21,0	24,6	30,8
1	16,4	20,5	15,5	20,0	16,9	15,3	19,1	20,2	23,8	16,9	20,5	26,7
0	12,2	16,4	11,4	15,9	12,7	11,4	14,9	16,1	19,7	12,7	16,3	22,5
	m		m			m	a)	b)	a)	b)	a)	b)



* **Weitere Hubhöhen, Auslegerlängen sowie Klettern im Gebäude auf Anfrage.** / Further hoist heights and jib lenghts as well as climbing inside the building on request. / Autres hauteurs sous crochet et longueurs de flèche ainsi que hissage dans le bâtiment sur demande. / Ulteriori altezze gancio, lunghezze braccio così come telescopaggio all'interno dell'edificio: su richiesta. / Para alturas bajo gancho superiores, otros alcances y trepado en el interior del edificio, consultar. / Outras alturas de elevação, comprimentos de lança e subida no edificio: sob consulta.

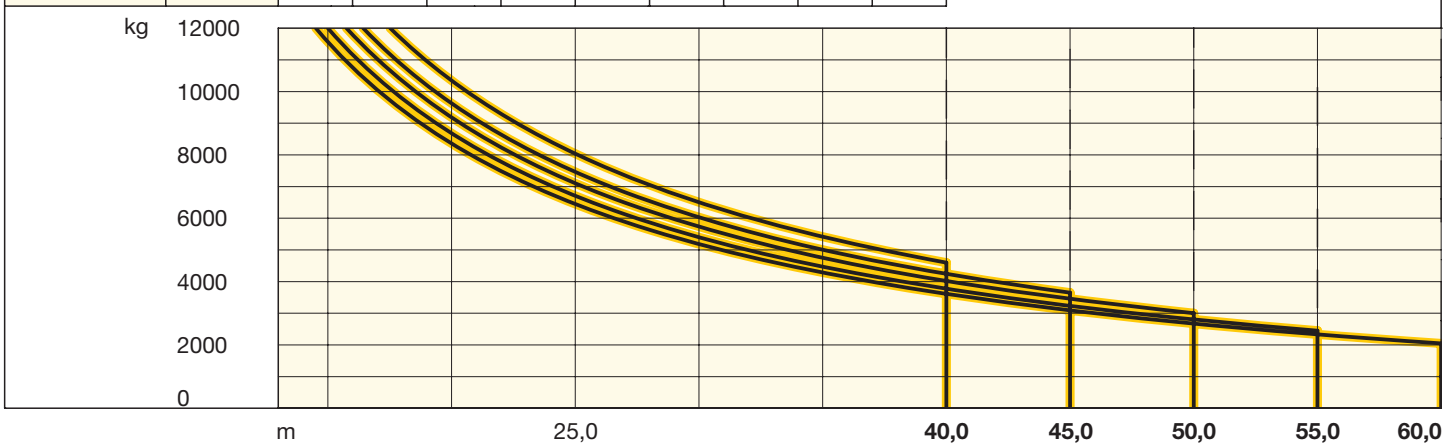
Courtesy of Crane.Market

Ausladung und Tragfähigkeit

Radius and capacity / Portée et charge / Sbraccio e portata / Alcances y cargas / Alcance e capacidade de carga

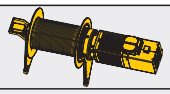
180 EC-H 12 FR.tronic®

m r	m/kg	m/kg 16,0	19,0	22,0	25,0	28,0	31,0	34,0	37,0	40,0	45,0	50,0	55,0	60,0
60,0 (r = 61,6)	2,4 – 14,5 **12000**	10760	8860	7490	6450	5640	4980	4450	4000	3610	3090	2670	2330	**2050**
55,0 (r = 56,6)	2,4 – 15,0 **12000**	11170	9210	7780	6710	5870	5190	4630	4170	3770	3230	2800	**2450**	
50,0 (r = 51,6)	2,4 – 15,8 **12000**	11800	9730	8240	7110	6220	5510	4930	4440	4020	3450	**3000**		
45,0 (r = 46,6)	2,4 – 16,4 **12000**	12000	10200	8640	7460	6540	5800	5190	4680	4240	**3650**			
40,0 (r = 41,6)	2,4 – 17,5 **12000**	12000	10960	9300	8040	7050	6260	5610	5060	**4600**				



Antriebe FR.tronic®

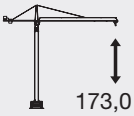
Driving units / Mécanismes d'entraînement / Azionamenti / Mecanismos / Mecanismos



↔ **stufenlos** / stepless / régl. continu / regl. progressiva / sin escalones / sem degraus

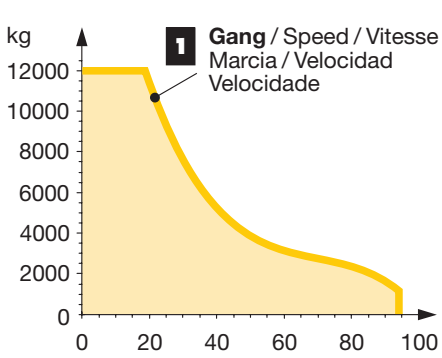
	kg	m/min
1	12000	0 ↔ 19
	1150	0 ↔ 94

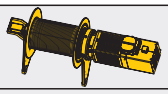
45 kW FU
WIW 260 MZ 402



5 **Lagen**
Layers
Couches
Strati
Camadas
Capas

max 256,0 m**

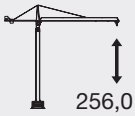




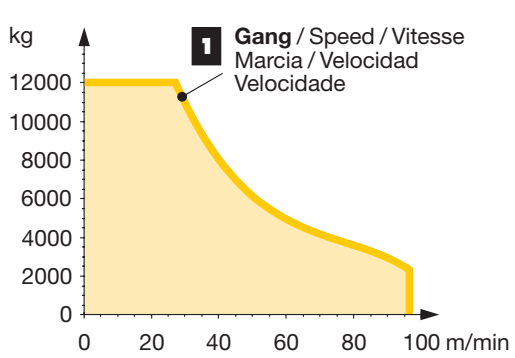
↔ **stufenlos** / stepless / régl. continu / regl. progressiva / sin escalones / sem degraus

	kg	m/min
1	12000	0 ↔ 27
	2300	0 ↔ 96

65 kW FU
WIW 280 MZ 401



7 **Lagen**
Layers
Couches
Strati
Camadas
Capas

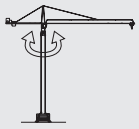
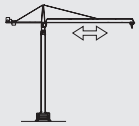


** **Weitere Hublastdaten: siehe Betriebsanleitung.** / Further hoist load data: see instruction manual. / Autres données de la charge de levage: voir manuel d'instruction. / Altri dati sui carichi sollevati: consultare il manuale d'istruzione. / Alturas bajo grancho superiores según manual. / Outras tabelas de carga: consultar manual de instruções.

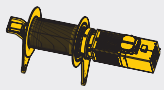
Courtesy of Crane.Market

Antriebe FR.tronic®

Driving units / Mécanismes d'entraînement
Azionamenti / Mecanismos / Mecanismos

	U/min 0 ⟷ 0,8 sl./min tr./min	2 x 7,5 kW FU
	0 ⟷ 110,0 m/min	7,5 kW FU
	25,0 m/min	2 x 5,5 kW (170 HC, 185 HC) 2 x 7,5 kW (256 HC)

kVA



45 kW FU	65 kW FU
63,0	86,0

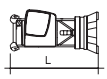
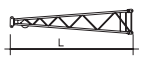
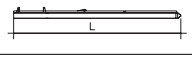
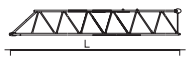
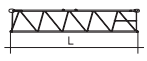
Kolli-Liste

Packing List / Liste de colisage / Lista dei colli / Lista de contenido / Lista de embalagem

Montagegewichte: siehe Betriebsanleitung. / Erection weights: see instruction manual. / Poids de montage: voir manuel de service.
Pesi di montaggio: vedasi le istruzioni sull'uso. / Peso para el montaje: según manual. / Pesos de montagem: vejam-se es instruções p. uso.

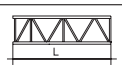
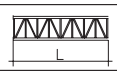
Kranoberteil

Upper part of crane / Partie supérieure de grue / Parte superiore della gru
Parte superior grúa / Parte superior do guindaste

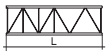
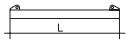
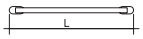
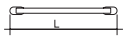
Pos. Item Rep Voce Pos. Ref	Anz. Qty. Qté. Qta. Cant. Cant.				L (m)	B (m)	H (m)	kg*
1	1	**Drehbühne kpl.** / Slewing platform cpl. Ensemble mât cabine cpl. / Piattaforma girevole compl. / Conjunto plataforma de giro Plataforma giratória compl.			170 HC 185 HC 256 HC	5,24 5,40 5,40	2,45 2,80 2,80	2,63 2,64 2,64	7900 8400 8400
2	1	**Turmspitze** / Tower head section Porte-flèche / Testa porta-braccio Cabeza de torre / Cabeça de apaio de lança				7,90	1,48	1,91	1900
3	1	**Gegenausleger** / Counter-jib Contre-flèche / Controbraccio Contrapluma / Contra-lança				13,50	2,30	0,61	3500
4	1	**Hubwerkseinheit** / Hoist gear unit / Treuil de levage / Gruppo meccanismo sollevamento / Mecanismo de elevación Grupo de mecanismo elevatório **45 kW**				2,20	2,39	1,74	3300
5	1	**Ausleger-Anlenkstück** / Jib heel section Pied de flèche / Settore articolato di braccio Pluma tramo primero / Base articulada de lança				10,29	1,71	1,98	① 2390
6	4	**Ausleger-Zwischenstück** / Intermediate jib section / Elément intermédiaire de flèche Spezzone di braccio / Tramo intermedio pluma Peça suplementar da lança				10,30	1,50	1,90	② 1570 ④ 1400 ⑤ 1100 ⑥ 710
7	2	**Ausleger-Zwischenstück** / Intermediate jib section / Elément intermédiaire de flèche Spezzone di braccio / Tramo intermedio pluma Peça suplementar da lança				5,30	1,50	1,90	③ 710 ⑦ 350
8	1	**Ausleger-Kopfstück** / Jib head section Pointe de flèche / Punta freccia Tramo punta de pluma / Cabeça de lança				0,72	1,66	2,03	⑧ 240
9	1	**Laufkatze und Lasthaken** / Trolley and hook / Chariot de distribution et crochet Carrello con gancio / Carrito y gancho Carro de ponte e gancho				1,87	1,69	1,57	1050

Turm

Tower / Mât / Torre
Torre / Torre

10	8- 9 9-10 10-12	**Turmstück** / Tower section Elément de mât / Elemento di torre Tramo torre / Torre			170 HC 185 HC 256 HC	4,14 4,14 4,14	1,90 2,30 2,30	1,90 2,30 2,30	1850 2240 2300
11	1	**Turmstück lang** / Long tower section Elément de mât long / Elemento di torre, lungo Tramo de torre largo / Peça de torre, comprida			170 HC 185 HC 256 HC	12,42 12,42 12,42	1,90 2,30 2,30	1,90 2,30 2,30	4780 5460 5770
12	1	**Grundturmstück** / Base tower section Mât de base / Elemento di torre base Tramo base / Peça de base de torre			170 HC 185 HC 256 HC	9,60 8,85 8,85 (12,42)	1,90 2,30 2,30 (2,30)	1,90 2,30 2,30 (2,30)	4480 4280 4830 (7940)

Courtesy of Crane.Market

Pos. Item Rep Voce Pos. Ref	Anz. Qty. Qte. Qta. Cant. Cant.				L (m)	B (m)	H (m)	kg*	
Klettereinrichtung		**Climbing equipment / Equipement de télescopage / Attrezzatura per allungamento della gru Equipo de trepado / Acesórios p. subida no edificio**							
13	1	**Führungsstück kpl.** / Guide section cpl. / Cage télescopique cpl. / Gabbia di sopraelevazione compl. / Torre de montaje completa / Peça de guia compl.			170 HC 185 HC 256 HC	9,04 8,39 8,39	2,31 2,68 2,68	2,28 2,58 (3,04) 2,58 (3,04)	4400 5210 5210
14	1	**Hydraulikanlage, Stütz- und Klettertraverse** / Hydraulic unit, supporting and climbing cross members / Système hydraulique avec traverses d'appui et de télescopage Sistema idraulico, traversa di appoggio e allugamento gru / Sistema hidráulico con traviesa de apoyo y trepado / Instalação hidráulica, tavessa de apoio e subida			170 HC 185 HC 256 HC	2,00 2,30 2,30	1,10 1,25 1,25	1,00 1,00 1,00	1100 1150 1300
Unterwagen		**Undercarriage / Châssis / Carro della gru Carro con mástil / Carro de guindaste**							
15	2	**Fahrschemel mit Antrieb** / Rail bogie with drive / Bogie moteur / Telaio con gruppo propulsore / Caja rodillo motriz / Quadro sem grupo de propulsão			170 HC 185 HC 256 HC	1,46 1,46 1,63 (1,46)	0,84 0,84 0,92 (0,84)	0,87 0,87 0,95 (0,87)	920 920 1690 (920)
16	2	**Fahrschemel ohne Antrieb** / Rail bogie without drive / Bogie fou / Telaio senza gruppo propulsore / Caja rodillo conducido Quadro com grupo de propulsão			170 HC 185 HC 256 HC	1,15 1,15 1,37 (1,15)	0,60 0,60 0,62 (0,60)	0,87 0,87 0,95 (0,87)	880 880 1340 (880)
17	1	**Tragholm lang** / Long support arm Longeron long / Longherone lungo Brazo soporte largo / Travessa comprida			170 HC 185 HC 256 HC	7,15 9,10 9,10 (11,95)	0,80 0,82 0,80 (0,82)	0,70 0,74 0,80 (0,80)	1070 1350 1650 (2200)
18	2	**Tragholm kurz** / Short support arm Longeron court / Longherone corto Brazo soporte corto / Travessa curta			170 HC 185 HC 256 HC	3,45 4,41 4,45 (5,58)	0,60 0,62 0,77 (0,65)	0,70 0,71 0,77 (0,77)	500 615 850 (1035)
19	2 + 2	**Randträger** / Border support Traverse / Supporti base Traviesa / Apoio de bordo			170 HC 185 HC 256 HC	4,08 – 4,30 5,48 – 5,46 5,46 – 5,40 (7,52 – 7,46)	0,16 – 0,33 0,11 – 0,17 0,11 – 0,18 (0,10 – 0,17)	0,11 – 0,14 0,16 – 0,38 0,16 – 0,38 (0,10 – 0,38)	80 – 200 60 – 230 95 – 270 (183 – 460)
20	4	**Stützholm** / Support strut Hauban de châssis / Correnti di appoggio Tirante vertical / Travessa de apoio			170 HC 185 HC 256 HC	3,53 4,23 4,14 (6,55)	0,25 0,17 0,18 (0,22)	0,17 0,25 0,25 (0,25)	240 275 330 (600)
21	1	**Unterwagen-Turmstück** / Undercarriage tower section / Mât de châssis / Elemento di torre del carro / Tramo de carro / Peça de torre do chassis			170 HC 185 HC 256 HC	3,30 3,73 3,73 (6,70)	2,15 2,52 2,62 (2,53)	2,15 2,52 2,62 (2,53)	2000 2050 3000 (4200)
22	1	**Kleinteile, Seile und Abspannungen** / Small parts, ropes and holding bars Accessoires, câbles et tirants / Accessori, funi e attrezzi di ancoraggio Despieces, cables y tirantes / Acessórios, cabos e peças de ancoragem			170 HC 185 HC 256 HC	9,00	1,60	1,00	4000

( ) **Angaben in Klammern gelten für 8 m-Unterwagen.** / The data in brackets are valid for an undercarriage of 8 m. / Les données techniques indiquées entre parenthèses sont valables pour un châssis de 8 m. / Caratteristiche in (..) valgono per carro di 8 m. / Los datos entre paréntesis son válidos para carro de 8 m. Características em (..) válidas pelo chassis de 8 m.

* **Einzelgewichte.** / Single weights. / Poids individuels. / Pesi di componenti. / Pesos unitarios. / Pesos de peças componentes**.**

Courtesy of Crane.Market

Konstruktionsänderungen vorbehalten!
Subject to alterations! / Sous réserves de modifications!
Si fa riserva di modifiche! / ¡Sujeto a modificaciones!
Salvo modifição da construcao!

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