

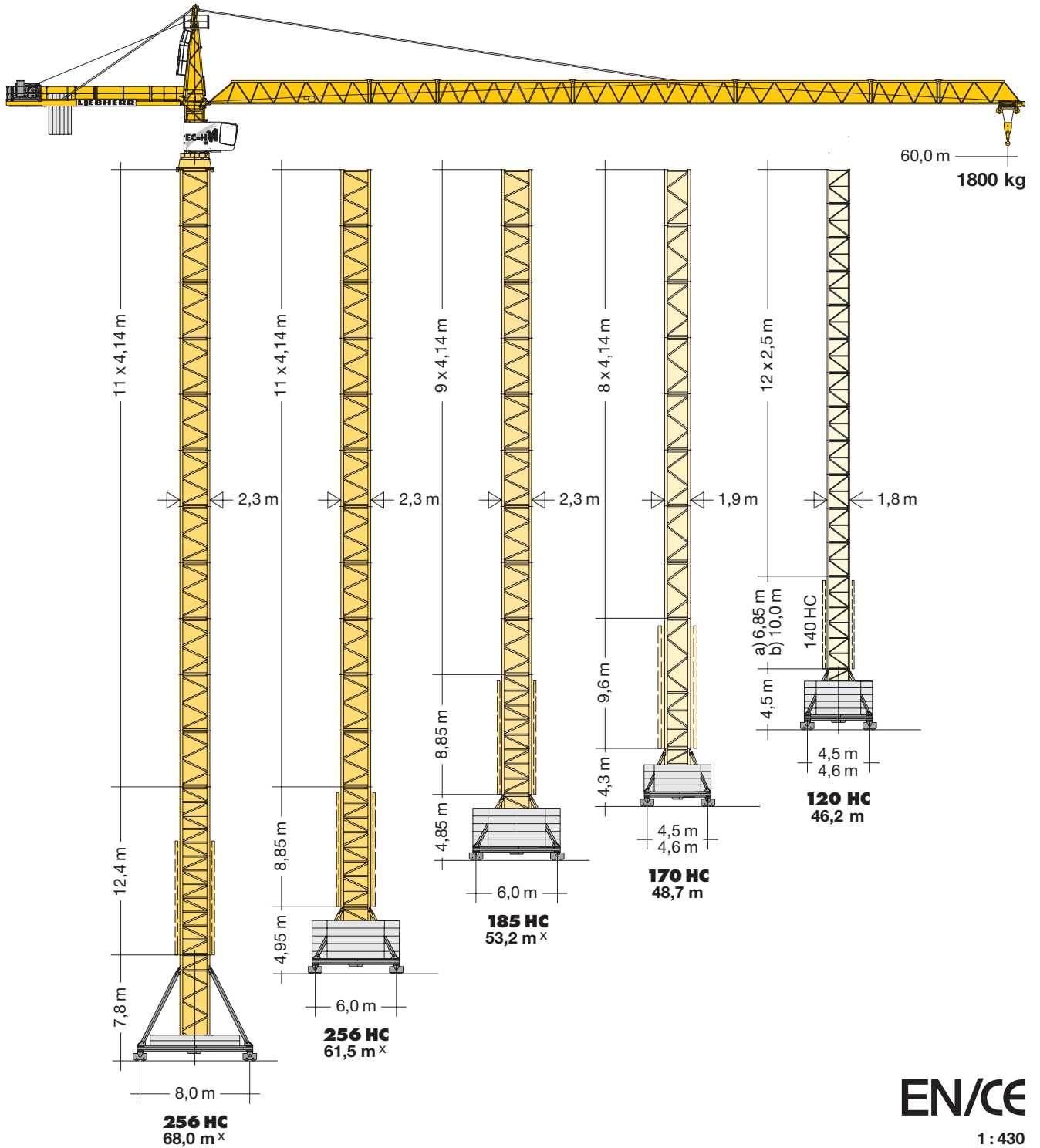
Turmdrehkran

154 EC-HM 6 FR.tronic

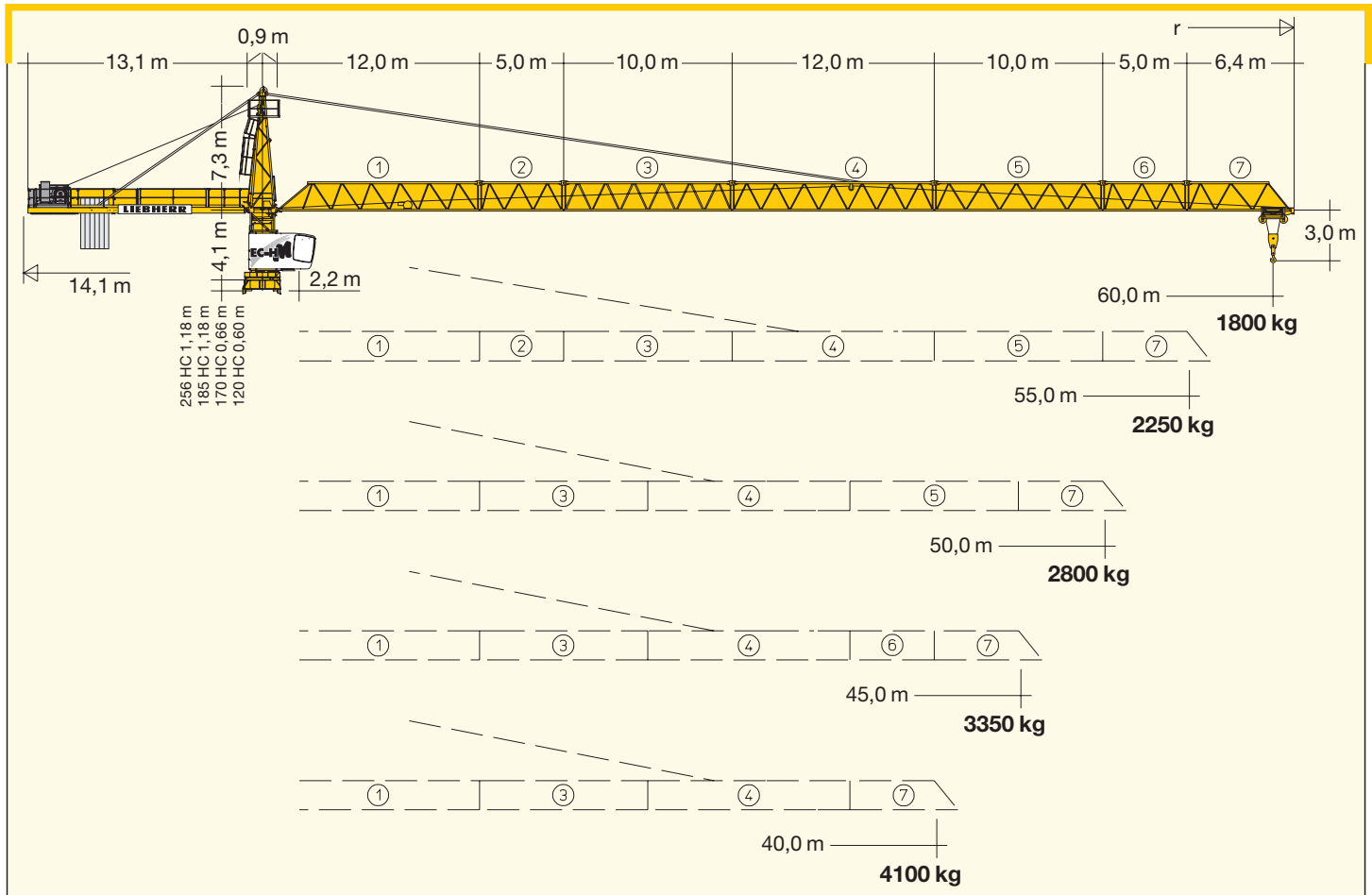
Tower Crane / Grúa torre / Guincho

MAZUR

▶ **154 EC-HM 6 FR.tronic**
154 EC-HM 10 FR.tronic



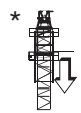
LIEBHERR



Hubhöhe

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

120 HC														
12	43,0 ^o	46,2 ^o	-	42,5 ^o	45,7 ^o	38,8 ^o	42,0 ^o	-	-	-	-	-		
11	40,5 [*]	43,7 [*]	53,7 ^{**o}	40,0 [*]	43,2 [*]	36,3 [*]	39,5 [*]	46,3 ^o	49,5 ^o	37,7 [*]	-	37,5 [*]	-	50,8 ^{**o}
10	38,0	41,2	51,2 [*]	37,5	40,7	33,8	37,0	43,8 [*]	47,0 [*]	35,2 [*]	38,4 [*]	35,0 [*]	38,2 [*]	48,3 ^{**}
9	35,5	38,7	48,7 [*]	35,0	38,2	31,3	34,5	41,3	44,5	32,7	35,9 [*]	32,5	35,7 [*]	45,8 [*]
8	33,0	36,2	46,2	32,5	35,7	28,8	32,0	38,8	42,0	30,2	33,4	30,0	33,2	43,3
7	30,5	33,7	43,7	30,0	33,2	26,3	29,5	36,3	39,5	27,7	30,9	27,5	30,7	40,8
6	28,0	31,2	41,2	27,5	30,7	23,8	27,0	33,8	37,0	25,2	28,4	25,0	28,2	38,3
5	25,5	28,7	38,7	25,0	28,2	21,3	24,5	31,3	34,5	22,7	25,9	22,5	25,7	35,8
4	23,0	26,2	36,2	22,5	25,7	18,8	22,0	28,8	32,0	20,2	23,4	20,0	23,2	33,3
3	20,5	23,7	33,7	20,0	23,2	16,3	19,5	26,3	29,5	17,7	20,9	17,5	20,7	30,8
2	18,0	21,2	31,2	17,5	20,7	13,8	17,0	23,8	27,0	15,2	18,4	15,0	18,2	28,3
1	15,5	18,7	28,7	15,0	18,2	11,3	14,5	21,3	24,5	12,7	15,9	12,5	15,7	25,8
0	13,0	16,2	26,2	12,5	15,7	8,8	12,0	18,8	22,0	10,2	13,4	10,0	13,2	23,3
	m a)	b)		m a)	b)	m a)	b)	a)	b)	m a)	b)	m a)	b)	m



O = Ohne Kabine
Without cabin
Sans cabine
Senza cabina
Sin cabina
Sem cabine

S = verstärkt
reinforced
renforcé
rinforzato
reforzado
reforçado

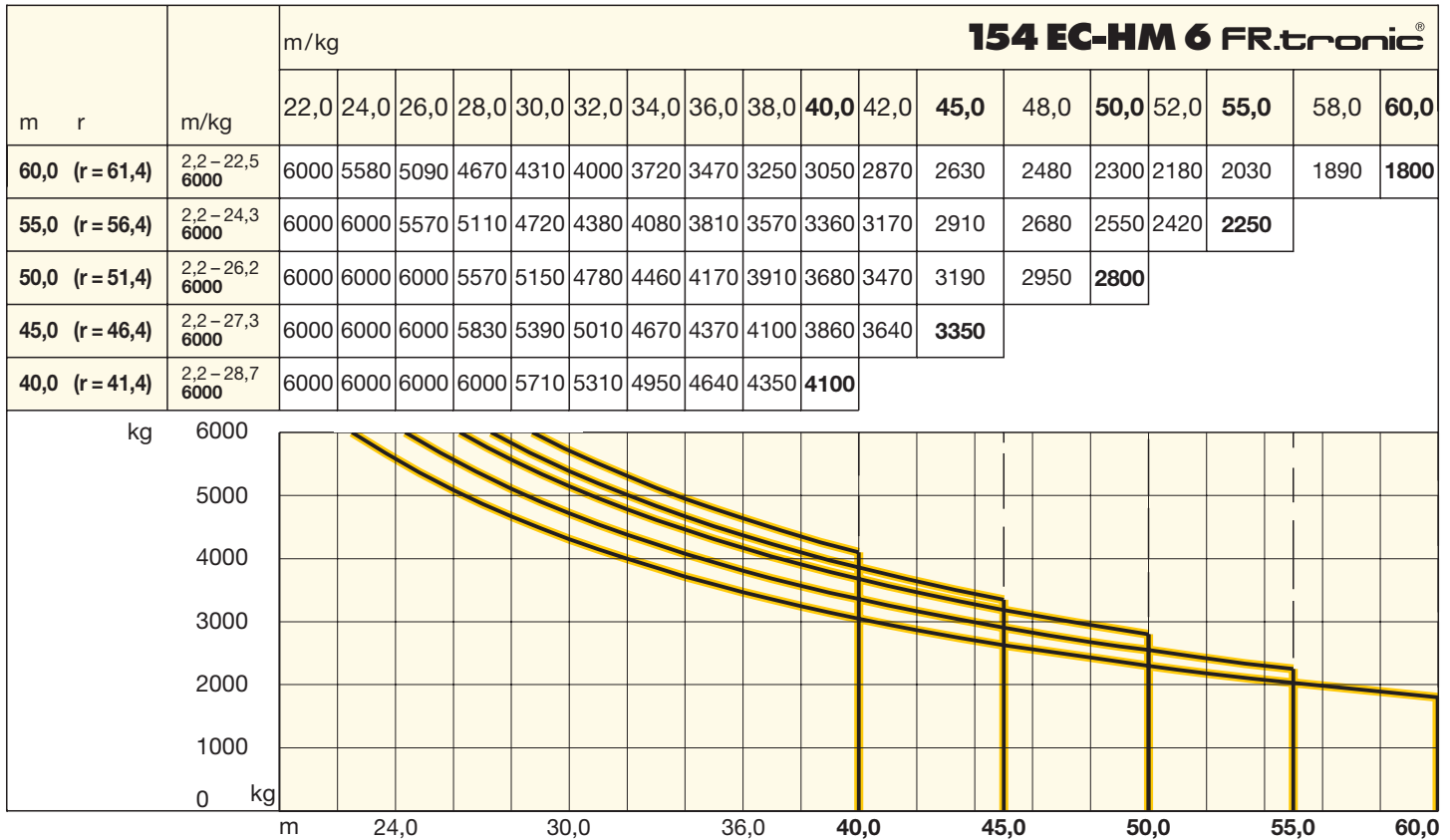


Klettern im Gebäude auf Anfrage

Climbing inside building on request
Télescopage en bâtiment sur demande
Telescopaggio all'interno dell'edificio, su richiesta
Para trepado en el interior del edificio, consultar Subida

Ausladung und Tragfähigkeit

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



Hubhöhe

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


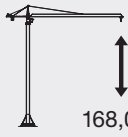
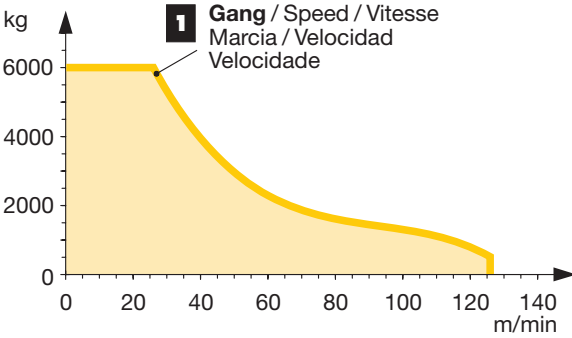
	170 HC		185 HC			256 HC				
12	–	–	–	–	–	–	–	–	64,6 ^x	–
11	–	–	–	–	–	–	–	–	60,4 [*]	68,0 ^{*o}
10	–	–	52,8 ^x	–	–	–	–	–	56,3	63,8 ^{*o}
9	48,8 [*]	–	48,7 [*]	53,2 [*]	50,0 [*]	–	–	–	52,2	59,7
8	44,7 [*]	48,7 [*]	44,5	49,1 [*]	45,9	–	–	–	48,0	55,6
7	40,5	44,6	40,4	45,0	41,7	–	–	–	43,9	51,4
6	36,4	40,4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

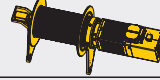
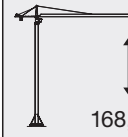
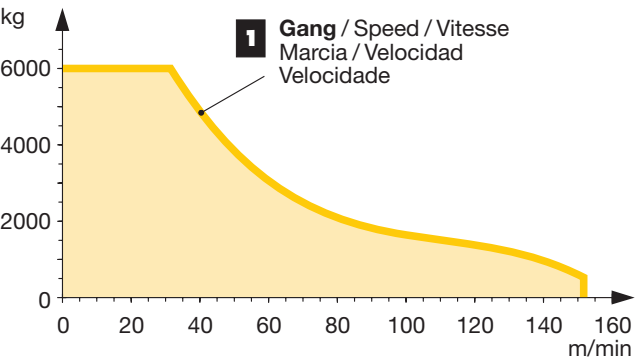
x = Nur bei Windzone C 10
 Only in case of wind zone C 10
 Seulement en cas de zone de vent C 10
 Solo in zona vento C 10
 Solo en zona de viento C 10
 Só em zona de vento C 10

Weitere Hubhöhen in Abhängigkeit von Windzonen auf Anfrage
 Additional hoist heights depending on wind zones on request
 Hauteurs sous crochet supplémentaires dépendant des zones de vent sur demande
 A richiesta, ulteriori altezze di sollevamento a seconda delle zone vento
 Para otras alturas bajo gancho superiores en zonas de viento, consultar
 Para outras alturas de elevação em zonas c

Antriebe



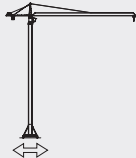


Driving units / Mécanismes d'entraînement / Azionamenti / Mecanismos / Mecanismos













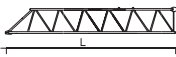

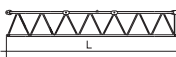

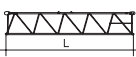











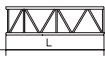







	↔ stufenlos / stepless / régl. continu regl. progressiva / sin escalones / sem degraus kg m/min
30 kW FR.tronic-FU WIW 240 MZ 401	
 168,0 m	5 Lagen Layers Couches Strati Camadas Capas
	1 6000 0 ↔ 26 450 0 ↔ 126
 <p>1 Gang / Speed / Vitesse Marcia / Velocidad Velocidade</p>	


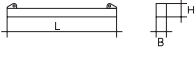

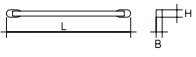
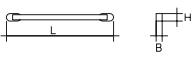

	↔ stufenlos / stepless / régl. continu regl. progressiva / sin escalones / sem degraus kg m/min
37 kW FR.tronic-FU WIW 250 MZ 401	
 168,0 m	5 Lagen Layers Couches Strati Camadas Capas
	1 6000 0 ↔ 32 500 0 ↔ 152
 <p>1 Gang / Speed / Vitesse Marcia / Velocidad Velocidade</p>	

Antriebe

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

	U/min 0 ↔ 0,8 sl./min tr./min	1 x 7,5 kW FR.tronic-FU
	0 ↔ 100,0 m/min	5,5 kW FR.tronic-FU
	25,0 m/min	2 x 4,0 kW (120 HC) 2 x 7,5 kW (256 HC) 2 x 5,5 kW (185 HC, 170 HC)
 kVA		 30 kW FU 37 kW FU 45,0 50,0

Kranoberteil		Upper part of crane / Partie supérieure de grue / Parte superiore della gru		L (m)	B (m)	H (m)	kg*		
Pos. Item Rep Voce Pos. Ref.	Anz. Qty. Qta. Cant.								
1	1	Drehbühne / Slewing platform Plateforme tournante / Piattaforma girevole Plataforma de giro / Plataforma giratória			120 HC	5,20	2,30	2,27	6500
					170 HC	5,20	2,30	2,27	6700
					185 HC	6,00	2,74	2,27	6900
					256 HC	6,00	2,74	2,27	6900
2	1	Kabine / Cabin Cabine / Cabina Cabina / Cabina			4,05	1,55	2,34	1000	
3	1	Turmspitze / Tower head section Porte-flèche / Testa porta-braccio Cabeça de apoio de lança / Cabeza de torre			7,30	1,48	1,75	1870	
4	1	Hubwerkseinheit / Hoist gear unit / Treuil de levage Gruppo meccanismo sollevamento / Mecanismo de elevación / Grupo de mecanismo elevatório	37 kW 		2,34	2,20	1,60	2400	
5	1	Gegenausleger / Counter-jib Contre-flèche / Controbraccio Contra-pluma / Contra-lança			13,11	2,42	0,57	3000	
6	1	Gegenausleger mit Hubwerkseinheit Counter-jib with hoist gear unit / Contre-flèche avec treuil de levage / Controbraccio con gruppo meccanismo sollevamento / Contra-pluma con mecanismo de elevación / Contra-lança com grupo de mecanismo elevatório			13,11	2,42	2,20	7000	
7	1	Ausleger-Anlenkstück / Jib heel section Pied de flèche / Settore articolato di braccio Base articulada de lança / Pluma tramo primero			12,24	1,58	1,79	① 2220	
8	1	Ausleger-Zwischenstück / Intermediate jib section Élément intermédiaire de flèche / Spezzone di braccio Peça suplementar da lança / Tramo intermedio pluma			12,30	1,25	1,70	④ 1640	
9	2	Ausleger-Zwischenstück / Intermediate jib section Élément intermédiaire de flèche / Spezzone di braccio Peça suplementar da lança / Tramo intermedio pluma			10,30	1,25	1,70	③ 1130 ⑤ 750	
10	2	Ausleger-Zwischenstück / Intermediate jib section Élément intermédiaire de flèche / Spezzone di braccio Peça suplementar da lança / Tramo intermedio pluma			5,25	1,25	1,68	⑥ 370 ② 630	
11	1	Ausleger-Kopfstück / Jib head Pointe de flèche / Punta freccia Cabeça de lança / Tramo punta de pluma			6,51	1,43	1,88	⑦ 500	
12	1	Laufkatze und Lasthaken / Trolley and hook Chariot de distribution et crochet / Carrello con gancio Carrito y gancho / Carro de ponte e gancho			1,90	1,42	1,38	915	
13	1	Drehbühne und Turmspitze / Slewing platform and tower head section / Ensemble mât-cabine et porte-flèche Piattaforma girevole e cuspidi / Plataforma de giro y cabeza torre / Plataforma giratória e cabeça de torre			120 HC	12,30	2,30	2,27	8300
				170 HC	12,30	2,30	2,27	8560	
				185 HC	12,70	2,74	2,27	8870	
				256 HC	12,70	2,74	2,27	8870	
14	1	Ausleger- und Gegenausleger-Abspannung / Jib and counter-jib suspension Haubanage de flèche et de contre-flèche / Attrezzatura di ancoraggio di braccio e controbraccio Tirantes de sost en pluma y contra-pluma / Grupo de ancoragem de lança e contra-lança			8,20	0,55	0,12	1170	
					5,87	0,20	0,16	380	
Turm		Tower / Mât / Torre							
15	13	Turmstück / Tower section Élément de mât / Elemento di torre Torre / Torre			120 HC	2,50	1,80	1,80	1050
	9				170 HC	4,14	1,90	1,90	1850
	9				185 HC	4,14	2,30	2,30	2050
	11				256 HC	4,14	2,30	2,30	2260
16	7	Turmstück lang / Long tower section Élément de mât long / Elemento di torre, lungo Tramo de torre largo / Peça de torre, comprida			120 HC	5,00	1,80	1,80	1960
	3				120 HC	10,00	1,80	1,80	3400
					120 HC	12,50	1,80	1,80	4200
17	1	Grundturmstück / Base tower section Mât de base / Elemento di torre base Tramo torre base / Peça de base de torre			140 HC	6,85	1,80	1,80	2930
					140 HC	10,00	1,80	1,80	3990
					140 HC s	10,00	1,80	1,80	4000
					170 HC	9,60	1,90	1,90	4480
					185 HC	8,85	2,30	2,30	4280
					256 HC	8,85 (12,42)	2,30 (2,30)	2,30 (2,30)	4830 (7940)
Klettereinrichtung		Climbing equipment / Equipement de télescopage / Attrezzatura per allungamento della gru	Equipo de trepado / Acsórios p. subida no edificio						
18	1	Führungsstück kpl. / Guide section cpl. Cage télescopique cpl. / Gabbia di sopraelevazione compl. Peça de guia compl. / Torre de montaje completa			120 HC	6,45	2,10	2,42	2660
					120 HC	9,60	2,10	2,42	4410
					170 HC	9,04	2,31	2,28	4750
					185 HC	8,39	2,68	2,58 (3,04)	5100
					256 HC	8,39	2,68	2,58 (3,04)	5100
19	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 allungamento gru / Instalação hidráulica, travessa de apoio e subida / Sistema hidráulico con traviesa de apoyo y trepado			120 HC	2,87	2,12	1,06	1050
					170 HC	2,00	1,10	1,00	1100
					185 HC	2,30	1,25	1,00	1150
					256 HC	2,30	1,25	1,00	1150
Unterwagen		Undercarriage / Châssis / Carro della gru	Carro con mástil / Carro de guindaste						
20	2	Fahrschemel mit Antrieb / Rail bogie with drive Bogie moteur / Telaio con gruppo propulsore Quadro sem grupo de propulsão / Caja rodillo motriz			120 HC	1,38	0,88	0,87	900
					170 HC	1,46	0,84	0,87	920
					185 HC	1,46	0,84	0,87	920
					256 HC	1,63 (1,46)	0,92 (0,84)	0,95 (0,87)	1690 (920)

Pos. Item Rep. Voce Pos. Ref.	Anz. Qty. Qte. Qta. Cant. Cant.			L (m)	B (m)	H (m)	kg*	
21	2	Fahrschemel ohne Antrieb / Rail bogie without drive Bogie fou / Telaio senza gruppo propulsore Quadro com grupo de propulsão / Caja rodillo conducido		120 HC	1,17	0,60	0,87	860
				170 HC	1,15	0,60	0,87	880
				185 HC	1,15	0,60	0,87	880
				256 HC	1,37 (1,15)	0,62 (0,60)	0,95 (0,87)	1340 (880)
22	1	Tragholm lang / Long support arm Longeron long / Longherone lungo Brazo largo soporte / Travessa comprida		120 HC	7,12	0,78	0,65	950
				170 HC	7,15	0,80	0,70	1070
				185 HC	9,10	0,82	0,74	1350
				256 HC	9,10 (11,95)	0,80 (0,82)	0,80 (0,80)	1650 (2200)
23	2	Tragholm kurz / Short support arm Longeron court / Longherone corto Brazo corto soporte / Travessa curta		120 HC	3,45	0,56	0,55	408
				170 HC	3,45	0,60	0,70	500
				185 HC	4,41	0,62	0,71	615
				256 HC	4,45 (5,58)	0,77 (0,65)	0,77 (0,77)	800 (1035)
24	2+2	Randträger / Border support Traverse / Supporti base Traviesa / Apoio de bordo		120 HC	4,02	0,35	0,12	95
				170 HC	4,08 - 4,30	0,16 - 0,33	0,11 - 0,14	80 - 200
				185 HC	5,48 - 5,46	0,11 - 0,17	0,16 - 0,38	118 - 454
				256 HC	5,46 - 5,40 (7,52 - 7,46)	0,11 - 0,18 (0,10 - 0,17)	0,16 - 0,38 (0,10 - 0,38)	175 - 525 (366 - 912)
25	4	Stützholm / Support strut Hauban de châssis / Correnti di appoggio Tirante vertical / Travessa de apoio		120 HC	3,78	0,15	0,22	200
				170 HC	3,53	0,25	0,17	240
				185 HC	4,23	0,17	0,25	275
				256 HC	4,14 (6,55)	0,18 (0,22)	0,25 (0,25)	320 (600)
26	1	Unterswagen-Turmstück / Undercarriage tower section Mât de châssis / Elemento di torre del carro Tramo de carro / Peça de torre do chassis		120 HC	3,50	2,06	2,06	1320
				170 HC	3,30	2,15	2,15	2000
				185 HC	3,73	2,52	2,52	1950
				256 HC	3,73 (6,70)	2,62 (2,53)	2,62 (2,53)	2550 (3800)
27	1	Stapel Aufstiege und Podeste / Bundle of ladders and platforms Faisceau d'échelles et de plates-formes / Serie di scale e rampe Paquete de escaleras y plataformas / Escadas e patamares		120 HC	3,50	1,20	1,00	1000
28	1	Kiste mit Kleinteilen / Crate with small parts Caisse contenant des accessoires / Cassa con accessori Caja con accesorios / Caixa de acessórios			2,00	1,00	1,00	2000

() **Angaben in Klammern gelten für 8 m-Unterswagen.** / 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. / Pesì di componenti. / Pesos de peças componentes. / Pesos unitarios.

Konstruktionsänderungen vorbehalten!

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Si fa riserva di modifiche! / Salvo modificação da construação!
¡Sujeto a modificaciones!

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