

# Turmdrehkran

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

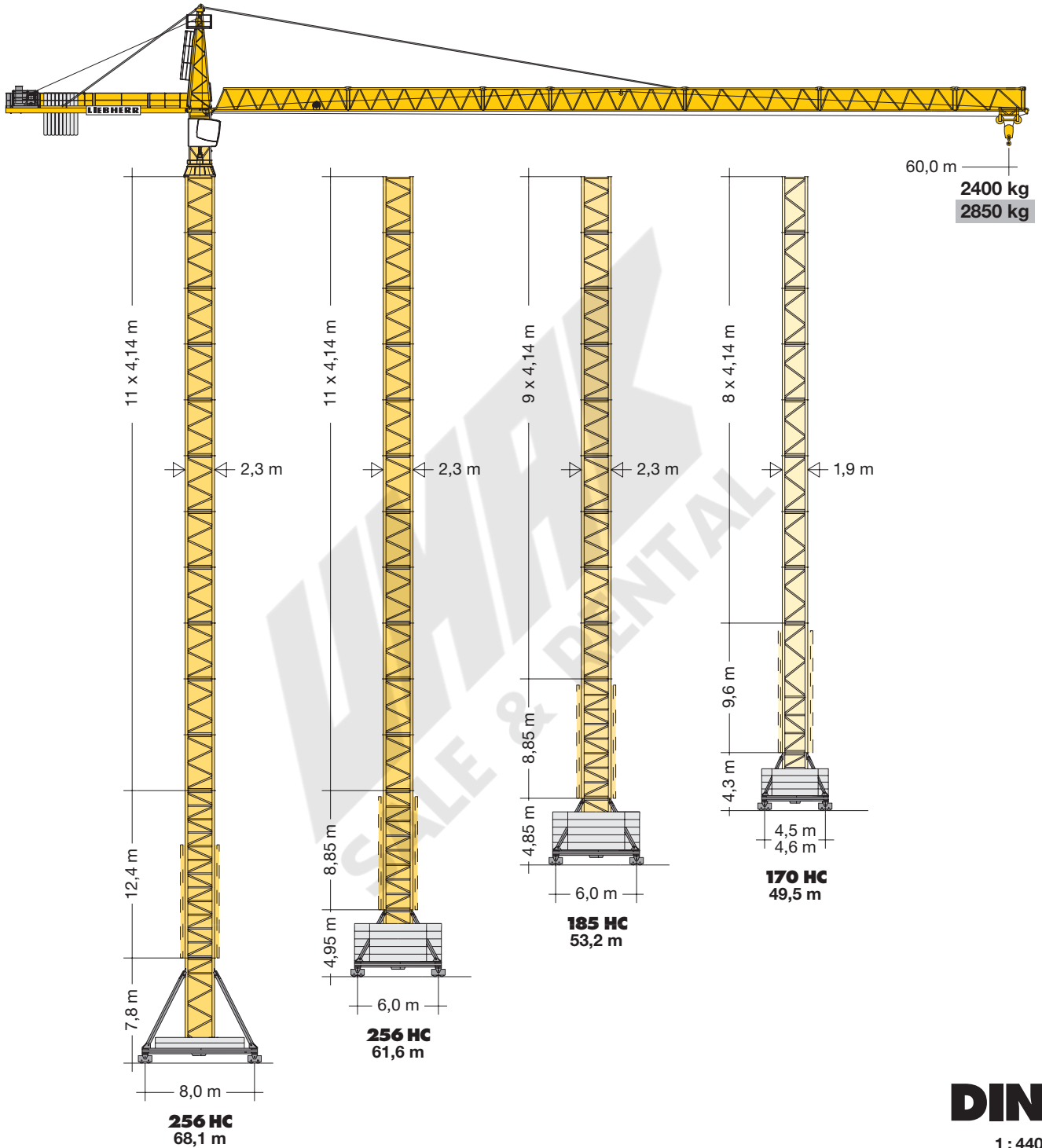
## 180 EC-H 6

▶ **180 EC-H 6**  
**180 EC-H 6 Litronic®**

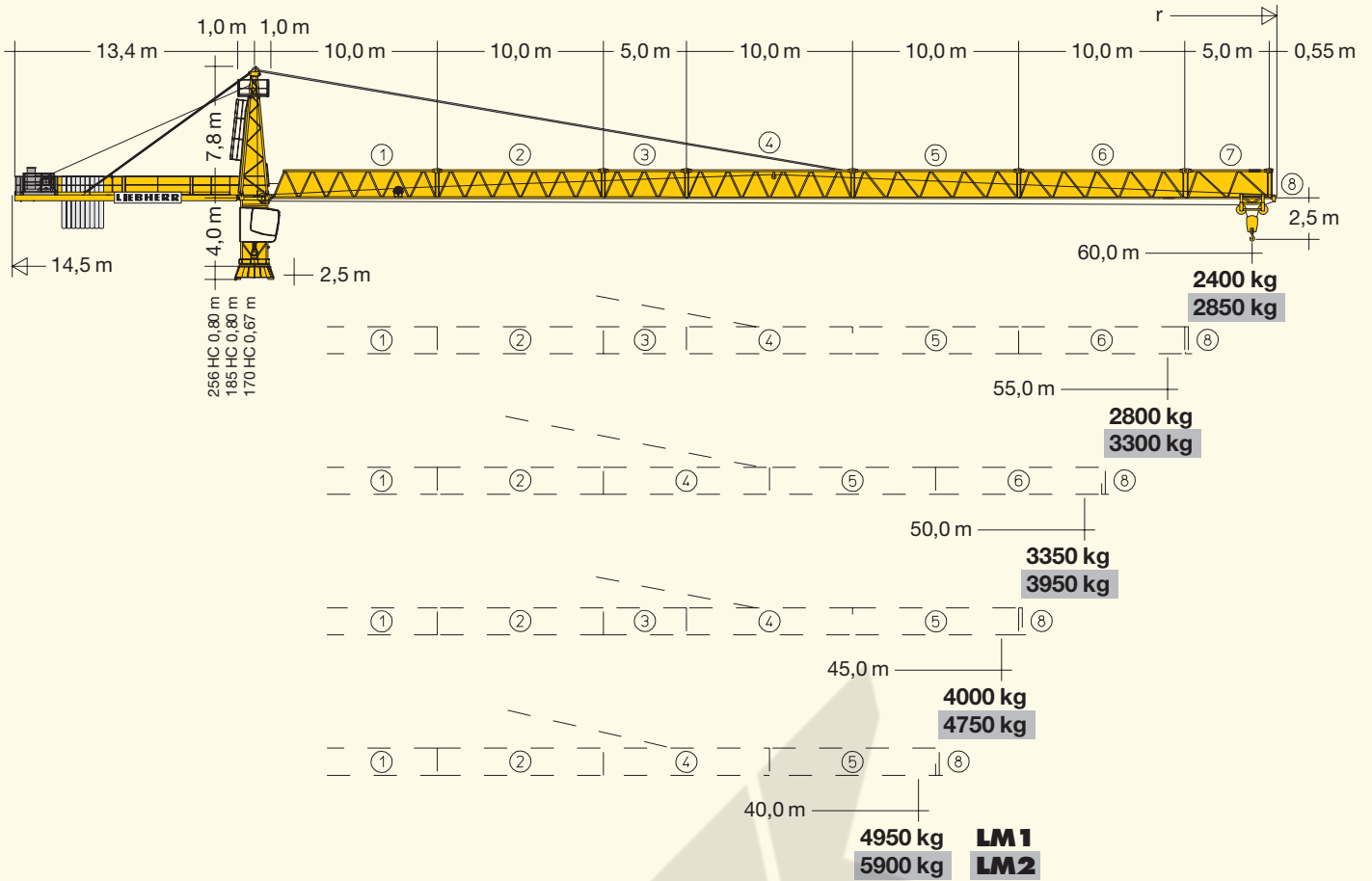
## 180 EC-H 6 Litronic®

**180 EC-H 10**  
**180 EC-H 10 Litronic®**

**180 EC-H 12**



# LIEBHERR



## 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 <sup>xx</sup>	-	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)	a) b)		

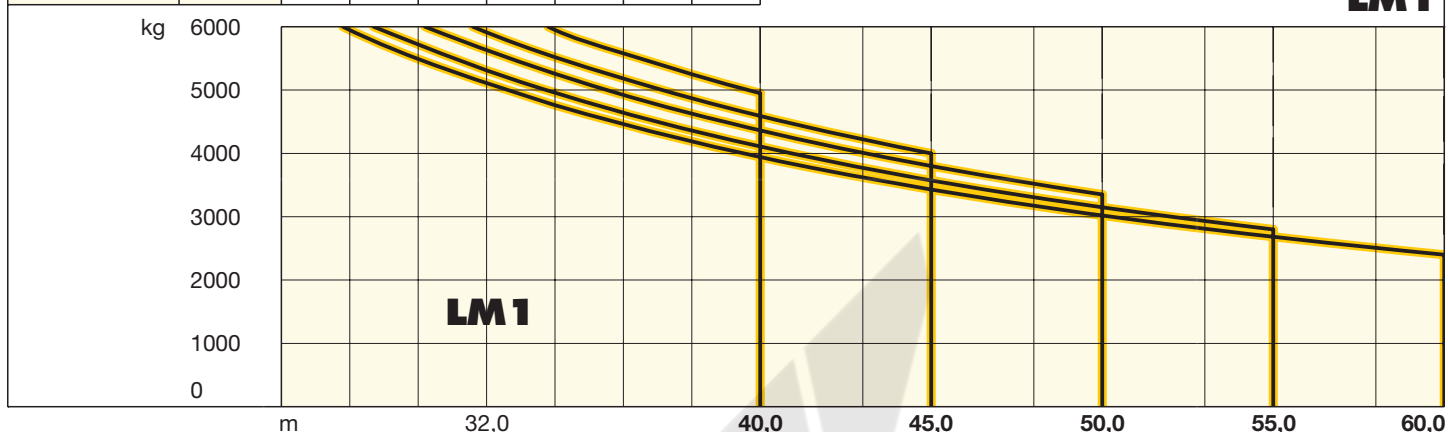
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<sup>xx</sup> **LM 2 Nicht möglich.** / Not possible. / Pas possible. / Non possibile. / No posible. / Nao é possível.

**Weitere Hubhöhen sowie Klettern im Gebäude auf Anfrage.** / Further hoist heights and climbing in the building on request.  
 Hauteurs sous crochet plus élevées et hissage dans le bâtiment sur demande. / Altre altezze di sollevamento come pure varianti di gru allungabili: su richiesta. / Para alturas bajo gancho superiores y trepado en el interior del edificio, consultar. / Outras alturas de elevação e subida no edifício: conforme ao pedido.


		<b>180 EC-H 6</b>															
m	r	m/kg	m/kg														
			28,0	30,0	32,0	34,0	36,0	38,0	40,0	43,0	45,0	48,0	50,0	53,0	55,0	58,0	60,0
60,0	(r = 61,6)	$\frac{2,4-27,8}{6000}$	5940	5490	5110	4760	4460	4190	3940	3620	3430	3170	3020	2810	2680	2510	<b>2400</b>
55,0	(r = 56,6)	$\frac{2,4-28,7}{6000}$	6000	5720	5310	4960	4640	4360	4110	3770	3570	3310	3150	2930	<b>2800</b>		
50,0	(r = 51,6)	$\frac{2,4-30,2}{6000}$	6000	6000	5630	5260	4920	4630	4360	4010	3800	3520	<b>3350</b>				
45,0	(r = 46,6)	$\frac{2,4-31,6}{6000}$	6000	6000	5910	5520	5180	4870	4590	4220	<b>4000</b>						
40,0	(r = 41,6)	$\frac{2,4-33,8}{6000}$	6000	6000	6000	5950	5580	5250	<b>4950</b>								

**LM 1**

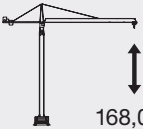


## Antriebe

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



30 kW FR.tronic-FU  
WIW 240 MZ 401

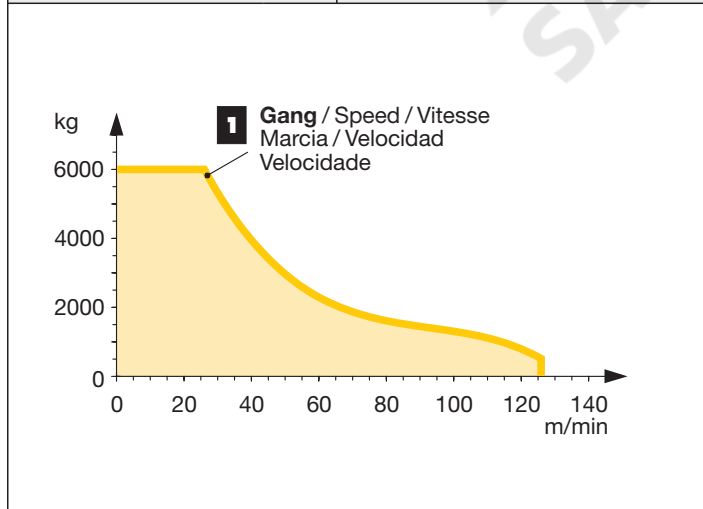



168,0 m

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


**1** 6000 0 ↔ 26  
450 0 ↔ 126

**5 Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas





37 kW FR.tronic-FU  
WIW 250 MZ 401

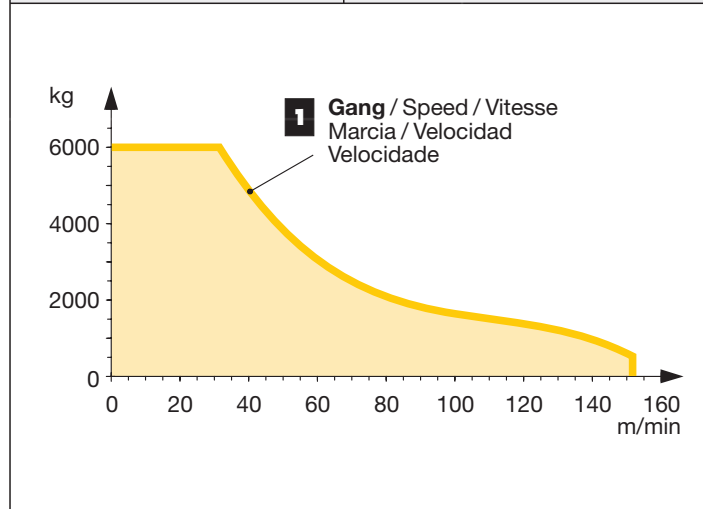


168,0 m

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

**1** 6000 0 ↔ 32  
500 0 ↔ 152

**5 Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas

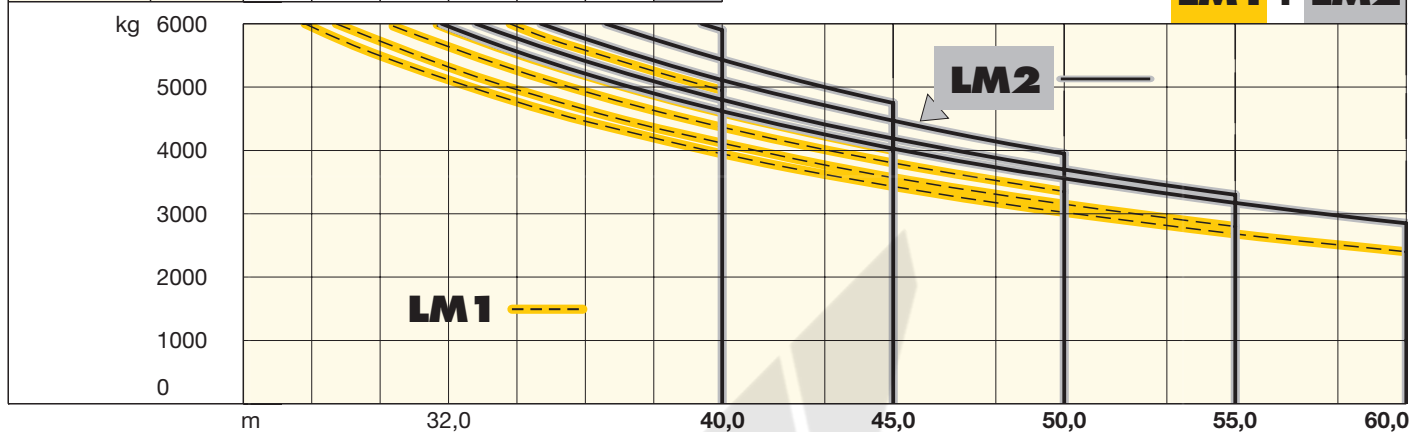


# Ausladung und Tragfähigkeit

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

		180 EC-H 6 Litronic®															
m	r	m/kg	m/kg														
			28,0	30,0	32,0	34,0	36,0	38,0	40,0	43,0	45,0	48,0	50,0	53,0	55,0	58,0	60,0
60,0	(r = 61,6)	$\frac{2,4-31,8}{6000}$	6000	6000	6000	5560	5210	4900	4620	4250	4030	3730	3560	3320	3120	2970	2850
55,0	(r = 56,6)	$\frac{2,4-32,8}{6000}$	6000	6000	6000	5770	5410	5090	4800	4410	4190	3880	3700	3450	3300		
50,0	(r = 51,6)	$\frac{2,4-34,7}{6000}$	6000	6000	6000	6000	5760	5420	5110	4710	4470	4140	3950				
45,0	(r = 46,6)	$\frac{2,4-36,6}{6000}$	6000	6000	6000	6000	6000	5760	5430	5000	4750						
40,0	(r = 41,6)	$\frac{2,4-39,4}{6000}$	6000	6000	6000	6000	6000	5900									

**LM1 + LM2**











































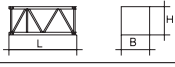
## Antriebe

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

	U/min 0 ↔ 0,8 sl./min tr./min	2 x 7,5 kW FR.tronic-FU
	0 ↔ 100,0 m/min	5,5 kW FR.tronic-FU
	25,0 m/min	2 x 5,5 kW (170 HC, 185 HC) 2 x 7,5 kW (256 HC)
	<b>kVA</b>	30 kW FU    37 kW FU 49,0            54,0

**LM2** Abweichende Geschwindigkeiten und Betriebsbedingungen. / Variant speeds and service conditions. / Vitesses et conditions de fonctionnement différentes. / Differenti velocità e condizioni di funzionamento. / Otras velocidades y características de funcionamiento. / Outras velocidades e características de funcionamento.

<b>Kranoberteil</b>		<b>Upper part of crane / Partie supérieure de grue / Parte superiore della gru</b>	<b>Parte superior grúa / Parte superior do guindaste</b>	<b>L (m)</b>	<b>B (m)</b>	<b>H (m)</b>	<b>kg*</b>		
Pos. Item Rep Voce Pos. Ref	Anz. Qty. Qté. Qta. Cant. Cant.	<b>Drehbühne kpl.</b> / Slewing platform cpl. Ensemble mât cabine cpl. / Piattaforma girevole compl. / Conjunto plataforma de giro Plataforma giratória compl.			170 HC	5,24	2,45	2,63	7900
					185 HC	5,40	2,80	2,64	8400
					256 HC	5,40	2,80	2,64	8400
2	1	<b>Turmspitze</b> / Tower head section Porte-flèche / Testa porta-braccio Cabeça de apoio de lança / Cabeza de torre			7,90	1,48	1,91	1900	
3	1	<b>Gegenausleger</b> / Counter-jib Contre-flèche / Controbraccio Contrapluma / Contra-lança			13,50	2,30	0,61	3500	
4	1	<b>Hubwerkseinheit</b> / Hoist gear unit / Treuil de levage / Gruppo meccanismo sollevamento / Mecanismo de elevación Grupo de mecanismo elevatório			2,20	2,34	1,66	2450	
5	1	<b>Ausleger-Anlenkstück</b> / Jib heel section Pied de flèche / Settore articolato di braccio Base articulada de lança / Pluma tramo primero			10,21	1,68	1,95	① 2010	
6	4	<b>Ausleger-Zwischenstück</b> / Intermediate jib section / Elément intermédiaire de flèche Spezzone di braccio / Peça suplementar da lança / Tramo intermedio pluma			10,30	1,50	1,90	② 1320 ④ 1400 ⑤ 1100 ⑥ 710	
7	2	<b>Ausleger-Zwischenstück</b> / Intermediate jib section / Elément intermédiaire de flèche Spezzone di braccio / Peça suplementar da lança / Tramo intermedio pluma			5,30	1,50	1,90	③ 710 ⑦ 350	
8	1	<b>Ausleger-Kopfstück</b> / Jib head Pointe de flèche / Punta freccia Cabeça de lança / Tramo punta de pluma			0,65	1,66	2,00	⑧ 170	
9	1	<b>Laufkatze und Lasthaken</b> / Trolley and hook / Chariot de distribution et crochet Carrello con gancio / Carrito y gancho Carro de ponte e gancho			1,80	1,69	1,40	600	
<b>Turm</b>		<b>Tower / Mât / Torre</b>							
10	8-9 9-10 10-12	<b>Turmstück</b> / Tower section Elément de mât / Elemento di torre Torre / Torre			170 HC 4,14 185 HC 4,14 256 HC 4,14	1,90 2,30 2,30	1,90 2,30 2,30	1850 2240 2300	
11	1	<b>Turmstück lang</b> / Long tower section Elément de mât long / Elemento di torre, lungo Tramo de torre largo / Peça de torre, comprida			170 HC 12,42 185 HC 12,42 256 HC 12,42	1,90 2,30 2,30	1,90 2,30 2,30	4780 5460 5770	
12	1	<b>Grundturmstück</b> / Base tower section Mât de base / Elemento di torre base Tramo torre base / Peça de base de torre			170 HC 9,60 185 HC 8,85 256 HC 8,85 (12,42)	1,90 2,30 2,30 (2,30)	1,90 2,30 2,30 (2,30)	4480 4280 4830 (7940)	
<b>Klettereinrichtung</b>		<b>Climbing equipment / Equipement de télescopage / Attrezzatura per allungamento della gru</b>							
13	1	<b>Führungsstück kpl.</b> / Guide section cpl. / Cage télescopique cpl. / Gabbia di sopraelevazione compl. / Peça de guia compl. / Torre de montagem completa			170 HC 9,04 185 HC 8,39 256 HC 8,39	2,31 2,68 2,68	2,28 2,58 (3,04) 2,58 (3,04)	4400 5210 5210	
14	1	<b>Hydraulikanlage, Stütz- und Klettertraverse</b> / Hydraulic unit, supporting and climbing cross members / Système hydraulique avec traverses d'appui et de télescopage Sistema idraulica, travessa di appoggio e allungamento gru / Instalação hidráulica, tavassa de apoio e subida / Sistema hidráulico con travessa de apoyo y trepado			170 HC 2,00 185 HC 2,30 256 HC 2,30	1,10 1,25 1,25	1,00 1,00 1,00	1100 1150 1300	
<b>Unterwagen</b>		<b>Undercarriage / Châssis / Carro della gru</b>							
15	2	<b>Fahrschemel mit Antrieb</b> / Rail bogie with drive / Bogie moteur / Telaio con gruppo propulsore / Quadro sem grupo de propulsão Caja rodillo motriz			170 HC 1,46 185 HC 1,46 256 HC 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	<b>Fahrschemel ohne Antrieb</b> / Rail bogie without drive / Bogie fou / Telaio senza gruppo propulsore / Quadro com grupo de propulsão / Caja rodillo conducido			170 HC 1,15 185 HC 1,15 256 HC 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	<b>Tragholm lang</b> / Long support arm Longeron long / Longherone lungo Bravo largo soporte / Travessa comprida			170 HC 7,15 185 HC 9,10 256 HC 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	<b>Tragholm kurz</b> / Short support arm Longeron court / Longherone corto Bravo corto soporte / Travessa curta			170 HC 3,45 185 HC 4,41 256 HC 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	<b>Randträger</b> / Border support Traverse / Supporti base Traviesa / Apoio de bordo			170 HC 4,08 - 4,30 185 HC 5,48 - 5,46 256 HC 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	<b>Stützholm</b> / Support strut Hauban de châssis / Correnti di appoggio Tirante vertical / Travessa de apoio			170 HC 3,53 185 HC 4,23 256 HC 4,14 (6,55)	0,25 0,17 0,18 (0,22)	0,17 0,25 0,25 (0,25)	240 275 330 (600)	

Pos. Item Rep Voce Pos. Ref.	Anz. Qty. Qté. Qta. Cant. Cant.				L (m)	B (m)	H (m)	kg*
21	1	<b>Unterswagen-Turmstück</b> / 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	<b>Kleinteile, Seile und Abspannungen</b> / 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-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. / Pesi di componenti. / Pesos de peças componentes. / Pesos unitarios.

**WMAK**  
**SALE & RENTAL**

**Konstruktionsänderungen vorbehalten!**

Subject to alterations! / Sous réserves de modifications!  
 Si fa riserva di modifiche! / Salvo modificação da construação!  
 ¡Sujeto a modificaciones!

**Sämtliche Angaben erfolgen ohne Gewähr.** / This information is supplied without liability.

Ces renseignements sont sans garantie. / Le indicazioni contenute si intendono salvo errori ed omissioni.  
 Declinamos toda responsabilidad derivada de la información proporcionada. / Declinamos qualquer  
 responsabilidade quanto à informação fornecida.