

# Turmdrehkran

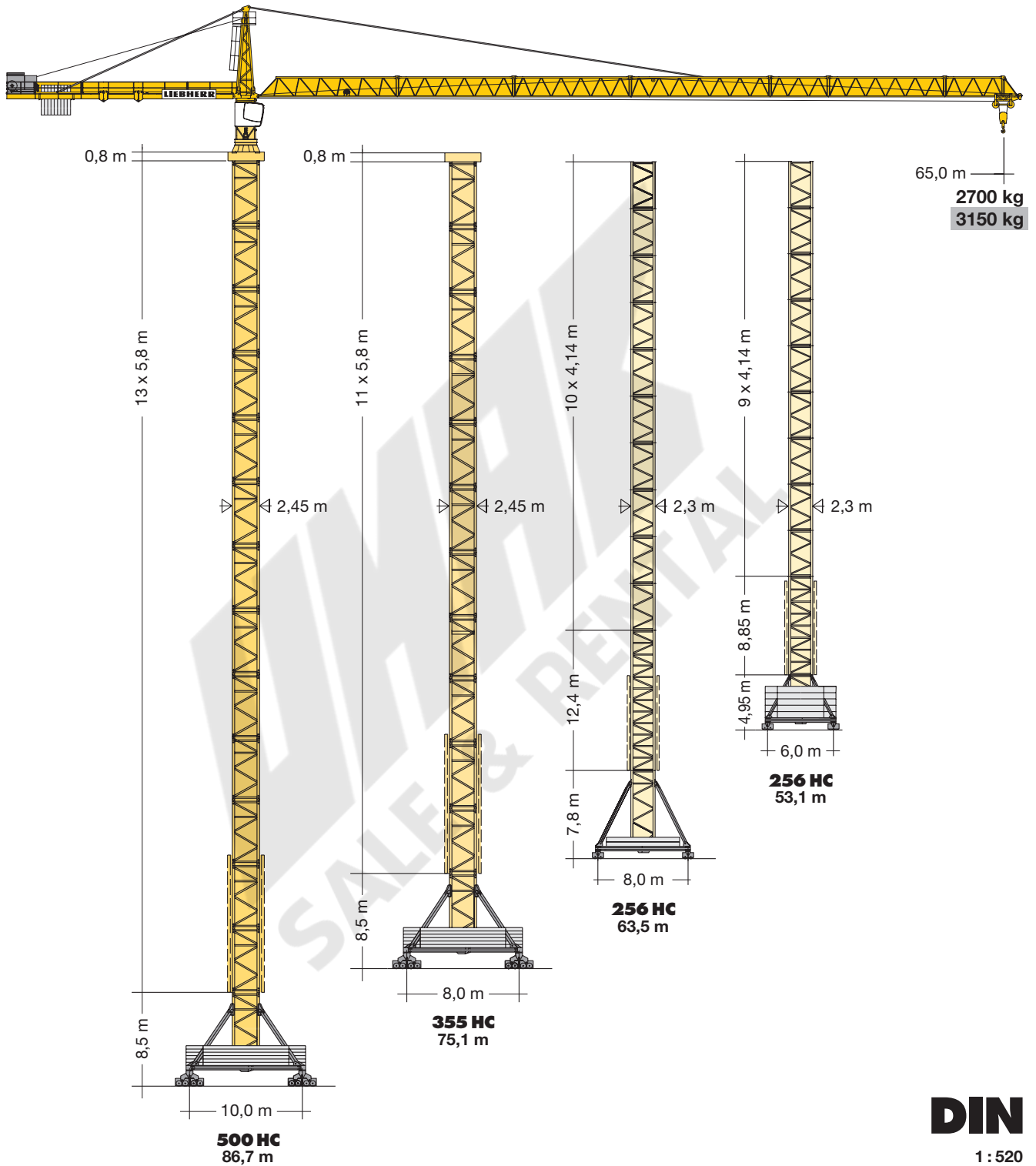
Tower Crane / Grue à tour / Gru a torre  
Grúa torre / Guindaste de torre

## 224 EC-H 8

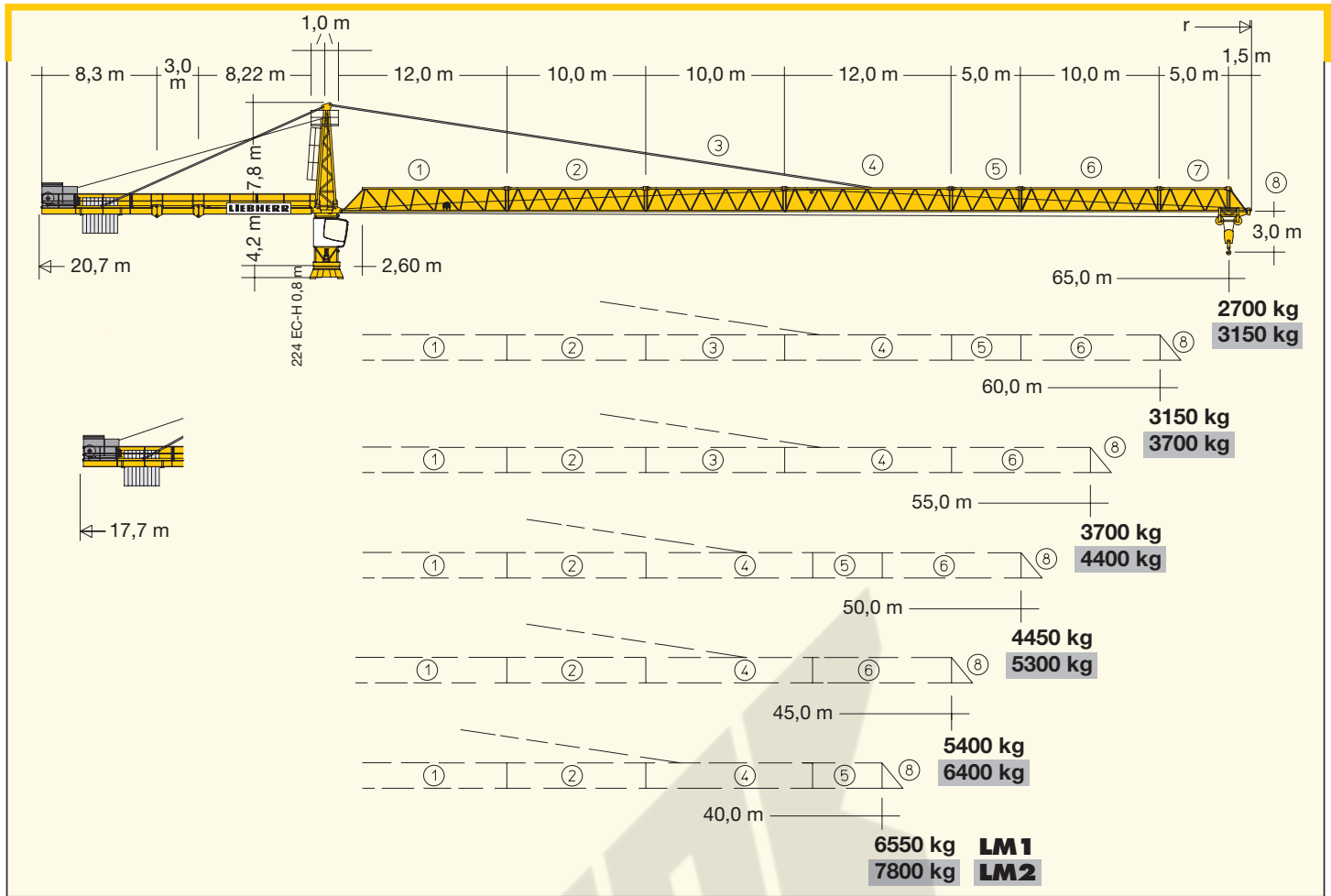
## 224 EC-H 8 Litronic®

224 EC-H 8  
224 EC-H 8 Litronic®

224 EC-H 12  
224 EC-H 12 Litronic®



# LIEBHERR



## Hubhöhe

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

	256 HC					355 HC			500 HC	
13	-	-	-	-	-	-	-	-	78,5*	86,7*
12	-	-	-	-	-	-	-	-	72,7	80,9
11	-	-	-	-	-	66,9*	75,1*	-	66,9	75,1
10	-	56,0*	-	-	63,5*	61,1	69,3	-	61,1	69,3
9	48,4*	51,9	53,1*	56,6*	59,4	55,3	63,5	-	55,3	63,5
8	44,3	47,7	49,0	52,5	55,3	49,5	57,7	-	49,5	57,7
7	40,1	43,6	44,8	48,4	51,1	43,7	51,9	-	43,7	51,9
6	36,0	39,4	40,7	44,2	47,0	37,9	46,1	-	37,9	46,1
5	31,8	35,3	36,5	40,1	42,8	32,1	40,3	-	32,1	40,3
4	27,7	31,2	32,4	35,9	38,7	26,3	34,5	-	26,3	34,5
3	23,6	27,0	28,3	31,8	34,6	20,5	28,7	-	20,5	28,7
2	19,4	22,9	24,1	27,7	30,4	14,7	22,9	-	14,7	22,9
1	15,3	18,7	20,0	23,5	26,3	8,9	17,1	-	8,9	17,1
0	a) 11,1	b) 14,6	a) 15,8	b) 19,4	22,1	3,1	11,3	-	3,1	11,3
	m					m			m	

\*



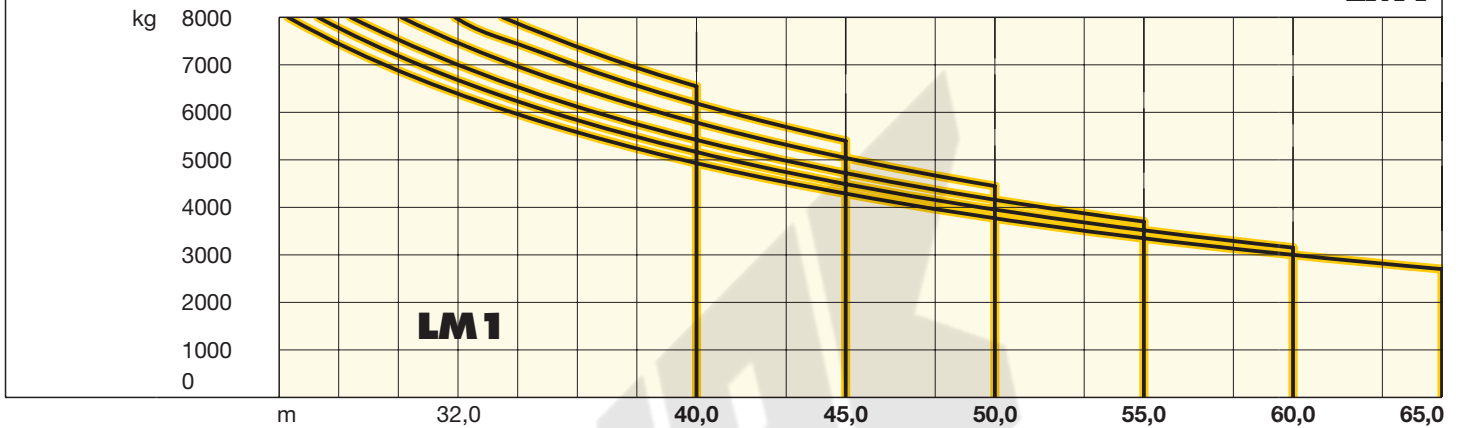
Weitere Hubhöhen sowie Klettern im Gebäude auf Anfrage. / Further hoist heights and climbing in the building on request.  
 Hauteurs sous crochet plus élevées et hissage dans le bâtiment sur demande. / Altre altezze di sollevamento come pure varianti di gru allungabili: su richiesta. / Para alturas bajo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

# Ausladung und Tragfähigkeit

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

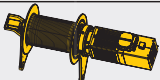
		<b>224 EC-H 8</b>																		
m	r	m/kg	m/kg																	
			28,0	30,0	32,0	34,0	36,0	38,0	40,0	43,0	45,0	48,0	50,0	53,0	55,0	58,0	60,0	63,0	65,0	
65,0	(r=66,6)	2,6-26,3 8000	7440	6880	6390	5960	5580	5240	4930	4530	4290	3960	3770	3510	3350	3130	3000	2810	2700	
60,0	(r=61,6)	2,6-27,3 8000	7770	7190	6680	6230	5840	5480	5160	4740	4490	4160	3950	3680	3520	3290	3150			
55,0	(r=56,6)	2,6-28,4 8000	8000	7530	7000	6530	6120	5750	5420	4980	4720	4370	4160	3870	3700					
50,0	(r=51,6)	2,6-30,1 8000	8000	8000	7460	6970	6530	6140	5780	5320	5040	4670	4450							
45,0	(r=46,6)	2,6-31,9 8000	8000	8000	7960	7440	6980	6560	6190	5690	5400									
40,0	(r=41,6)	2,6-33,5 8000	8000	8000	8000	7870	7380	6940	6550											

**LM 1**

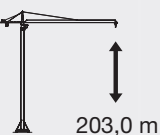


# Antriebe

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



37 kW FR.tronic-FU  
WIW 250 MZ 405

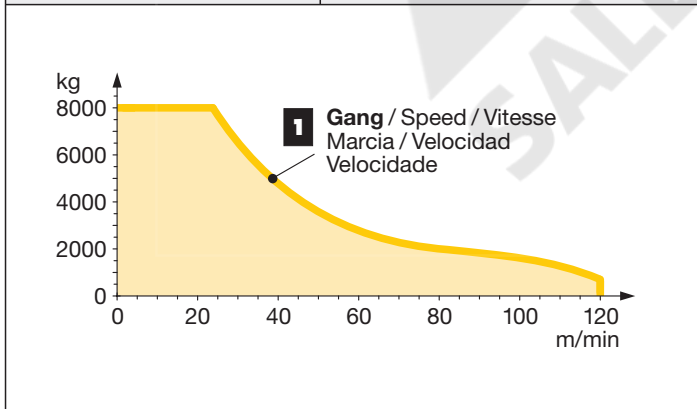



203,0 m

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

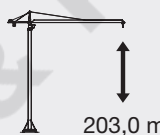
**1** 8000 0 ↔ 24  
700 0 ↔ 120

**6 Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas





45 kW FR.tronic-FU  
WIW 260 MZ 403

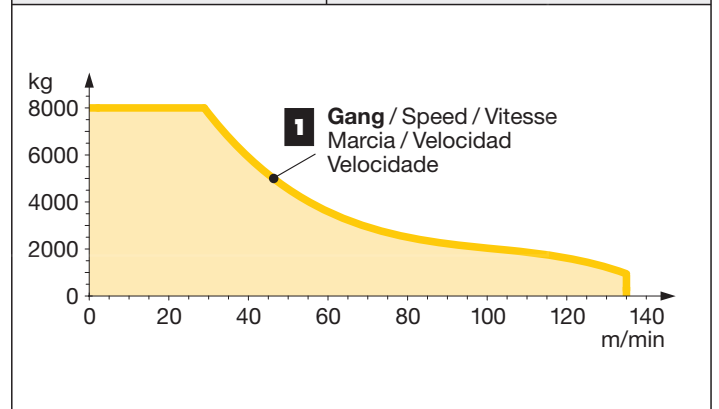


203,0 m

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

**1** 8000 0 ↔ 29  
850 0 ↔ 135

**6 Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas

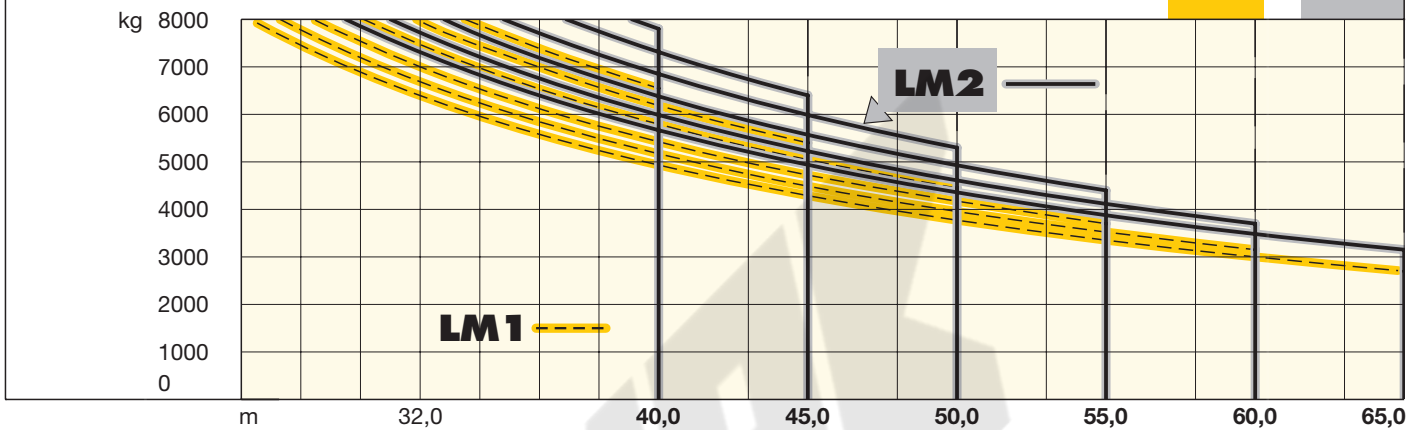


# Ausladung und Tragfähigkeit

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

		224 EC-H 8 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	63,0	65,0
65,0	(r=66,6)	2,6-29,5 8000	8000	7860	7310	6830	6400	6010	5670	5210	4940	4570	4360	4060	3880	3630	3480	3280	3150
60,0	(r=61,6)	2,6-31,0 8000	8000	8000	7720	7210	6760	6350	5990	5510	5230	4840	4610	4300	4120	3860	3700		
55,0	(r=56,6)	2,6-32,8 8000	8000	8000	8000	7670	7190	6770	6380	5870	5570	5170	4990	4600	4400				
50,0	(r=51,6)	2,6-34,8 8000	8000	8000	8000	8000	7710	7260	6850	6310	5990	5560	5300						
45,0	(r=46,6)	2,6-36,9 8000	8000	8000	8000	8000	8000	7750	7310	6740	6400								
40,0	(r=41,6)	2,6-39,1 8000	8000	8000	8000	8000	8000	8000	7800										

**LM1 + LM2**



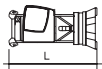

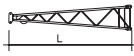



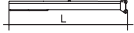

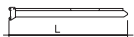





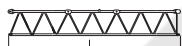

















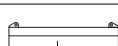



## Antriebe

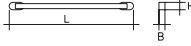
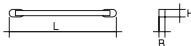

Driving units / Mécanismes d'entraînement / Azionamenti / Mecanismos / Mecanismos

	U/min 0 ↔ 0,7 sl./min tr./min	2 x 7,5 kW FR.tronic-FU
	0 ↔ 110,0 m/min	7,5 kW FR.tronic-FU
	25,0 m/min	4 x 7,5 kW (500 HC, 355 HC) 2 x 7,5 kW (256 HC)
		37 kW FU    45 kW FU 56,0            63,0

**LM 2** 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.

Montagegewichte: siehe Betriebsanleitung. / Erection weights: see instruction manual. / Poids de montage: voir manuel de service. / Pesos de montaje: vézase le istruzioni sull'uso. / Pesos de montagem: vejã-se as instruções p. uso. / Peso para el montaje: según manual.

<b>Kranoberteil</b>		<b>Upper part of crane / Partie supérieure de grue / Parte superiore della gru</b>		<b>L (m)</b>	<b>B (m)</b>	<b>H (m)</b>	<b>kg*</b>			
Pos. Item No. / Pos. Ref.	Anz. Qty. / Cant.									
1	1	<b>Drehbühne / Slewing platform / Ensemble mât-cabine / Piattaforma girevole / Conjunto plataforma de giro / Plataforma giratória</b>				5,40	2,74	2,64	9300	
2	1	<b>Turmspitze / Tower head / Porte-flèche / Cuspide / Cabeza de torre / Cabeça de apoio de lança</b>				7,90	1,62	1,80	2500	
3	1	<b>Hubwerkseinheit / Hoist gear unit / Treuil de levage / Gruppo meccanismo sollevamento / Mecanismo de elevación / Grupo de mecanismo elevatório</b>				2,39	2,19	1,68	3270	
4	1	<b>Gegenausleger-Kopfstück / Counter-jib head / Pointe de contre-flèche / Testa di controbraccio / Tramo punta de contrapluma / Cabeça de contra-lança</b>				8,50	2,42	0,92	2850	
5	1	<b>Gegenausleger-Anlenkstück / Counter-jib heel section / Pied de contre-flèche / Settore articolato di controbraccio / Tramo primero-contrapluma / Base articulada da contra-lança</b>				8,44	1,77	0,92	2800	
6	1	<b>Gegenausleger-Zwischenstück / Intermediate counter-jib section / Élément interm. de contre-flèche / Spezzone di controbraccio / Tramo intermedio de contrapluma / Peça suplementar da contra-lança</b>				3,22	1,76	0,92	950	
7	1	<b>Ausleger-Anlenkstück / Jib heel section / Pied de flèche / Settore articolato di braccio / Base articulada de lança / Pluma tramo primero</b>				12,30	1,84	1,90	⊕ 2980	
8	1	<b>Ausleger-Zwischenstück / Intermediate jib section / Élément intermédiaire de flèche / Spezzone di braccio / Peça suplementar da lança / Tramo intermedio pluma</b>				10,40	1,63	1,85	⊕ 1680	
1	10,40					1,63	1,85	⊕ 1610		
1	12,30					1,63	1,85	⊕ 1840		
1	5,30					1,63	1,85	⊕ 585		
1	10,40					1,63	1,85	⊕ 1100		
1	5,30	1,63	1,85	⊕ 400						
9	1	<b>Ausleger-Kopfstück / Jib head / Pointe de flèche / Punta freccia / Cabeça de lança / Tramo punta de pluma</b>				1,70	1,84	2,05	⊕ 300	
10	1	<b>Laufkatze und Lasthaken / Trolley and hook / Chariot de distribution et crochet / Carrello con gancio / Carrito y gancho / Carro de ponte e gancho</b>				1,89	1,83	1,20	760	
<b>Turm</b>		<b>Tower / Mât / Torre / Torre / Torre</b>								
11	9	<b>Turmstück / Tower section / Élément de mât / Elemento di torre / Torre / Torre</b>				256 HC	4,14	2,30	2,30	2300
11	11					355 HC	6,28	2,45	2,45	5050
13	13					500 HC	6,28	2,45	2,45	6480
12	1	<b>Turmstück lang / Long tower section / Élément de mât long / Elemento di torre, lungo / Tramo de torre largo / Peça de torre, comprida</b>				256 HC	12,42	2,30	2,30	5770
13	1	<b>Grundturmstück / Base tower section / Mât de base / Elemento di torre base / Tramo torre base / Peça de base de torre</b>				256 HC	8,85 (12,42)	2,30 (2,30)	2,30 (2,30)	4580 (7700)
<b>Klettereinrichtung</b>		<b>Climbing equipment / Equipement de télescope / Attrezzatura per allungamento della gru / Equipo de trepado / Acsórios p. subida no edificio</b>								
14	1	<b>Führungsstück kpl., geteilt / Guide section cpl., split / Cage télescopique cpl., divisée / Gabbia di sopraelevazione compl., suddivisa / Torre de montaje, dividida / Peça de guia, subdividida</b>				256 HC	8,39	2,68	2,58 (3,04)	5100
						355 HC	12,39	2,75	1,58	8300
						500 HC	12,39	2,75	1,58	8300
15	1	<b>Hydraulikanlage, Stütz- und Klettertraverse / Hydraulic unit, supporting and climbing cross members / Système hydraulique avec traverses d'appui et de télescope / Sistema idraulico, traversa di appoggio e allungamento gru / Instalação hidráulica, travessa de apoio e subida / Sistema hidráulico con traviesa de apoyo y trepado</b>				256 HC	2,10	1,25	1,00	1150
						355 HC	2,10	1,10	1,00	1810
						500 HC	2,10	1,10	1,00	1810
<b>Unterwagen</b>		<b>Undercarriage / Châssis / Carro della gru / Carro con mástil / Carro de guindaste</b>								
16	4	<b>Ausgleichsschwinge mit Schwingenlager / Pivot for wheel box / Chape pour bogie / Bilanciere di equilibratura con cuscinetto bilanciere / Balancin / Balancim com suporte</b>				355 HC				
						500 HC	1,60	0,72	1,48	1390
17	2	<b>Fahrschemel mit Antrieb / Rail bogie with drive / Bogie moteur / Telaio con gruppo propulsore / Quadro sem grupo de propulsão / Caja rodillo motriz</b>				256 HC	1,63 (1,46)	0,92 (0,84)	0,95 (0,87)	1690 (920)
						355 HC	1,40	0,75	0,65	920
						500 HC	1,45	0,82	0,72	1690
18	2	<b>Fahrschemel ohne Antrieb / Rail bogie without drive / Bogie fou / Telaio senza gruppo propulsore / Quadro con grupo de propulsão / Caja rodillo conducido</b>				256 HC	1,37 (1,15)	0,62 (0,60)	0,95 (0,87)	1340 (880)
						355 HC	1,10	0,60	0,65	880
						500 HC	1,30	0,40	0,72	1340
19	1	<b>Tragholm lang / Long support arm / Longeron long / Longherone lungo / Brazo largo soporte / Travessa comprida</b>				256 HC	9,10 (11,95)	0,80 (0,82)	0,80 (0,80)	1650 (2200)
						355 HC	11,82	0,92	0,93	3515
						500 HC	7,32	0,92	0,93	2330
20	2	<b>Tragholm kurz / Short support arm / Longeron court / Longherone corto / Brazo corto soporte / Travessa curta</b>				256 HC	4,45 (5,58)	0,77 (0,65)	0,77 (0,77)	800 (1035)
						355 HC	5,74	0,80	0,90	1600
						500 HC	7,14	0,80	0,90	2135

Pos. Item Rep Voce Pos. Ref.	Anz. Qty. Qté. Qta. Cant. Cant.			L (m)	B (m)	H (m)	kg*	
21	2 + 2	<b>Randträger</b> / Border support Traverse / Supporti base Traviesa / Apoio de bordo		256 HC	5,46 – 5,40	0,11 – 0,18	0,16 – 0,38	175 – 525
					(7,52 – 7,46)	(0,1 – 0,17)	(0,1 – 0,38)	(366 – 912)
				355 HC	7,30	0,14	0,14	340
			500 HC	9,30	0,14	0,14	510	
22	4	<b>Stützholm</b> / Support strut Hauban de châssis / Correnti di appoggio Tirante vertical / Travessa de apoio		256 HC	4,14 (6,55)	0,18 (0,22)	0,25 (0,25)	320 (600)
								862
				355 HC	6,06	0,26	0,34	1140
			500 HC	6,98	0,26	0,34	1140	
23	1	<b>Unterswagen-Turmstück</b> / Undercarriage tower section / Mât de châssis / Elemento di torre del carro / Tramo de carro / Peça de torre do chassis		256 HC	3,73 (6,70)	2,62 (2,53)	2,62 (2,53)	2550 (3800)
								7475
				355 HC	6,61	2,44	2,44	7930
			500 HC	6,61	2,44	2,44	7930	
24		<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		256 HC				
				355 HC	9,00	1,60	1,00	5000
			500 HC					

( ) **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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