

# Turmdrehkran

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

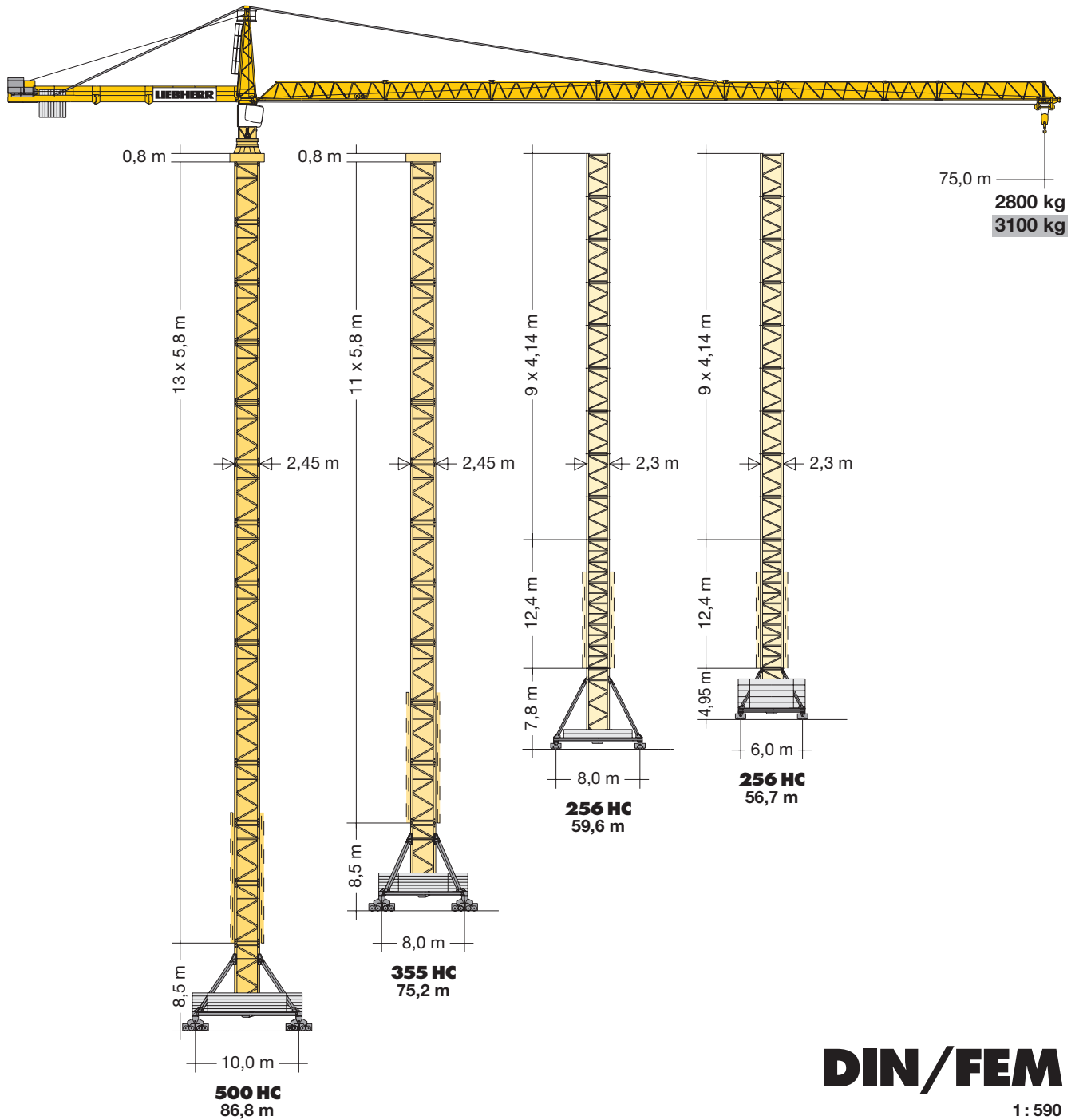
## 280 EC-H 8

## 280 EC-H 8 Litronic®

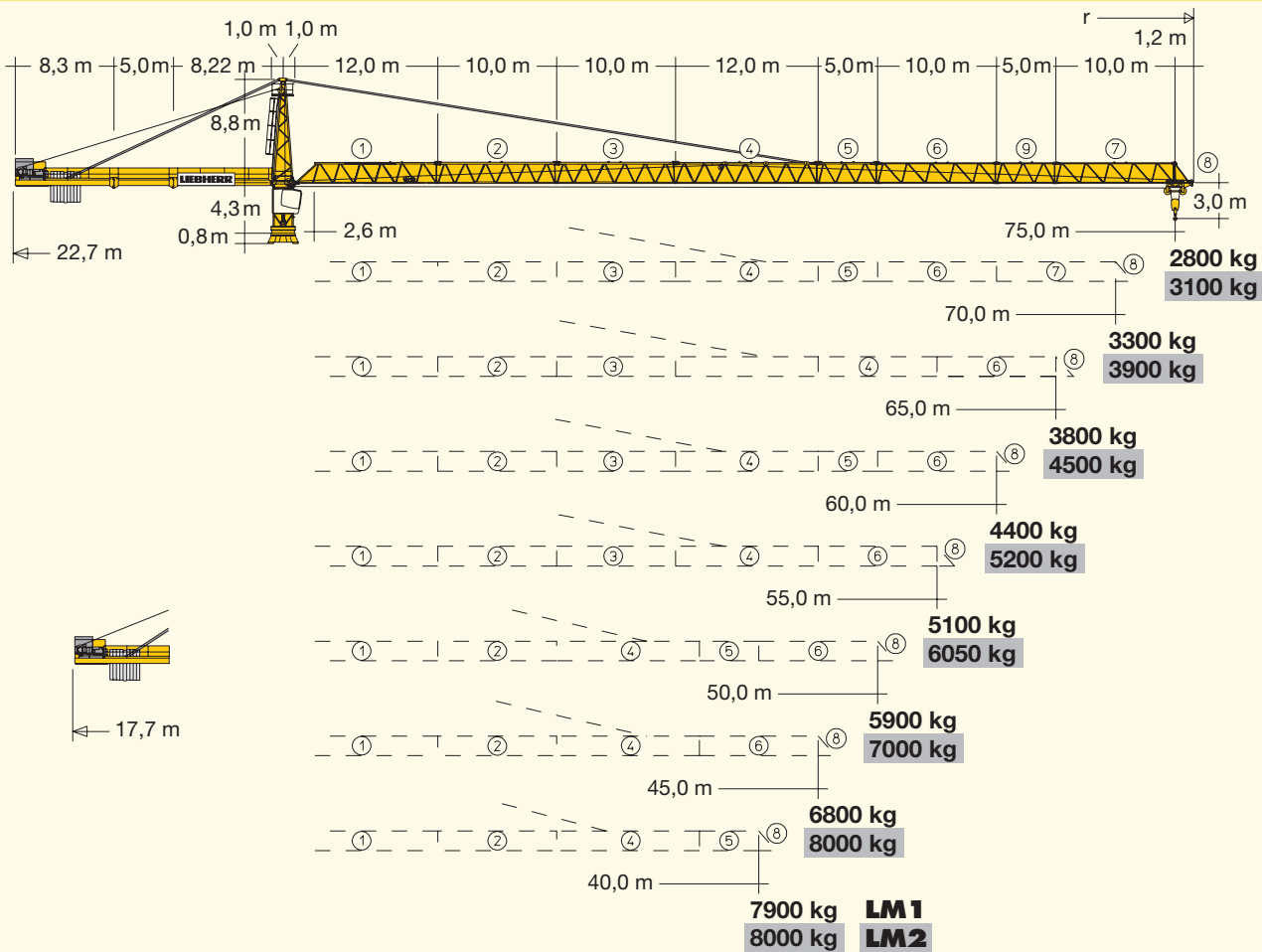
▶ **280 EC-H 8**  
**280 EC-H 8 Litronic®**

**280 EC-H 12**  
**280 EC-H 12 Litronic®**

**280 EC-H 16**  
**280 EC-H 16 Litronic®**



# LIEBHERR



## Hubhöhe

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

	256 HC		355 HC		500 HC	
13	-	-	-	-	-	-
12	-	-	-	-	-	-
11	-	-	-	-	67,1*	75,2*
10	-	-	-	-	61,3	69,4
9	52,0**	56,7**	52,0**	59,6**	55,5	63,6
8	47,9**	52,6**	47,9**	55,5**	49,7	57,8
7	43,7	48,4	43,7	51,3	43,9	52,0
6	39,6	44,3	39,6	47,2	38,1	46,2
5	35,4	40,1	35,4	43,0	32,3	40,4
4	31,3	36,0	31,3	38,9	26,5	34,6
3	27,2	31,9	27,2	34,8	20,7	28,8
2	23,0	27,7	23,0	30,6	14,9	23,0
1	18,9	23,6	18,9	26,5	9,1	17,2
0	14,7	19,4	14,7	22,3	3,3	11,4
	m	m	m	m	m	m

\* **LM 2** Nicht möglich. / Not possible. / Pas possible. / Non possibile. / No posible. / Nao é possível.

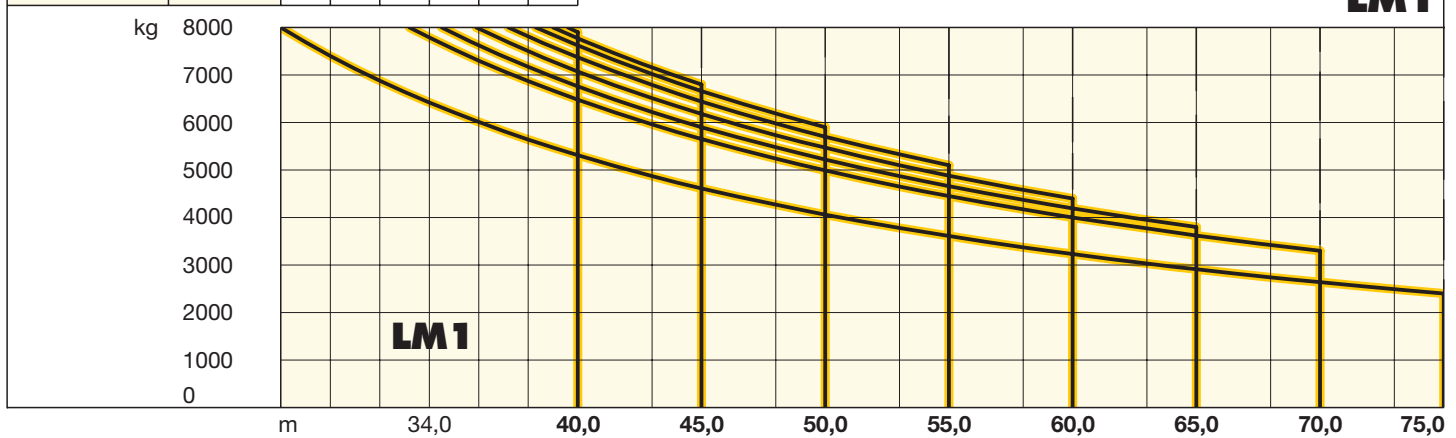
\*\* Weitere Hubhöhen sowie Klettern im Gebäude auf Anfrage. / Further hoist heights and climbing in the building on request.  
 Hauteurs sous crochet plus élevées et hissage dans le bâtiment sur demande. / Altre altezze di sollevamento come pure varianti di gru allungabili: su richiesta. / Para alturas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

# Ausladung und Tragfähigkeit

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

		<b>280 EC-H 8</b>																				
m	r	m/kg	m/kg																			
			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	68,0	70,0	73,0	75,0
75,0	(r = 76,6)	2,6-31,4 8000	8000	7820	7300	6840	6430	6060	5570	5280	4890	4660	4340	4150	3890	3730	3510	3370	3180	3070	2900	2800
70,0	(r = 71,6)	2,6-33,2 8000	8000	8000	7790	7300	6870	6480	5960	5650	5240	4990	4650	4450	4170	4000	3770	3620	3420	3300		
65,0	(r = 66,6)	2,6-34,5 8000	8000	8000	8000	7620	7170	6760	6220	5900	5480	5220	4870	4660	4370	4190	3950	3800				
60,0	(r = 61,6)	2,6-35,9 8000	8000	8000	8000	7970	7500	7070	6510	6180	5730	5470	5100	4880	4580	4400						
55,0	(r = 56,6)	2,6-37,2 8000	8000	8000	8000	8000	7810	7370	6790	6440	5980	5700	5330	5100								
50,0	(r = 51,6)	2,6-38,3 8000	8000	8000	8000	8000	8000	7620	7020	6660	6190	5900										
45,0	(r = 46,6)	2,6-39,0 8000	8000	8000	8000	8000	8000	7770	7160	6800												
40,0	(r = 41,6)	2,6-39,6 8000	8000	8000	8000	8000	8000	7900														

**LM1**



# Antriebe

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

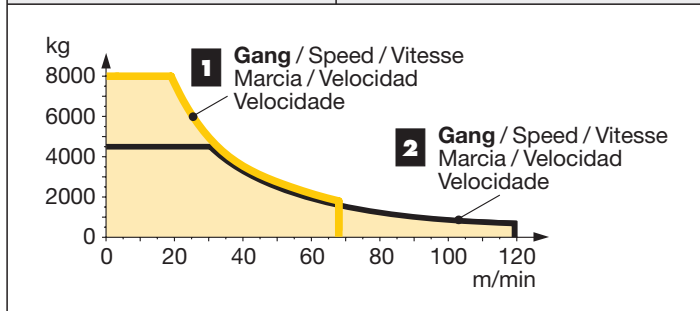
**↔ stufenlos / stepless / régl. continu**  
regl. progressiva / sin escalones / sem degraus  
kg m/min

30,0 kW FU  
WIW 240 VZ 402

4 **Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas

116,0 m  
LS-Trommel

<b>1</b>	8000	0 ↔ 19
	1800	0 ↔ 68
<b>2</b>	4600	0 ↔ 32
	800	0 ↔ 120



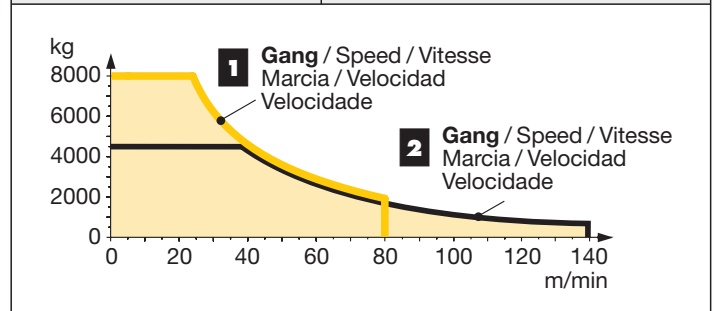
**↔ stufenlos / stepless / régl. continu**  
regl. progressiva / sin escalones / sem degraus  
kg m/min

37,0 kW FU  
WIW 250 VZ 401

6 **Lagen**  
Layers  
Couches  
Strati  
Camadas  
Capas

186,0 m  
LS-Trommel

<b>1</b>	8000	0 ↔ 24
	1800	0 ↔ 80
<b>2</b>	4600	0 ↔ 40
	800	0 ↔ 140



Elmag-Hubwerke: siehe Broschüre „Zusätzliche Hubwerksvarianten“ / Hoist gears: see brochure „Additional hoist gear variants“  
Mécánismes de levage: voir brochure „Variantes supplémentaires du mécanisme de levage“ / Argani ad innesto elettromagnetico: vedere prospetto „argani alternativi“ / Mecanismos de elevación de Elmag: Ver folleto „Mecanismos de elevación adicionales“ / Mecanismos de elevação de ELMAG: Ver Folheto „Mecanismos de elevação adicionais“

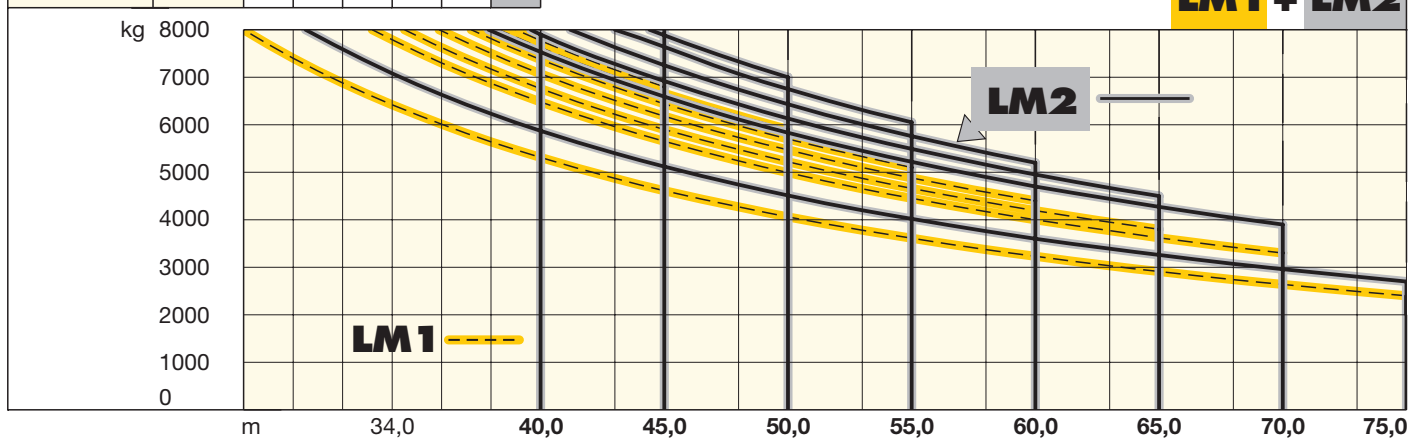
# Ausladung und Tragfähigkeit

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

## 280 EC-H 8 Litronic®

m	r	m/kg	m/kg																			
			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	68,0	70,0	73,0	75,0
75,0	(r=76,6)	2,6-33,9 8000	8000	8000	7970	7470	7030	6630	6100	5780	5360	5110	4770	4560	4280	4100	3870	3720	3510	3390	3210	3100
70,0	(r=71,6)	2,6-37,9 8000	8000	8000	8000	7980	7530	6940	6590	6110	5830	5450	5220	4900	4700	4440	4270	4040	3900			
65,0	(r=66,6)	2,6-39,6 8000	8000	8000	8000	8000	7900	7280	6920	6430	6130	5730	5490	5160	4950	4670	4500					
60,0	(r=61,6)	2,6-41,2 8000	8000	8000	8000	8000	8000	7630	7250	6740	6430	6010	5760	5410	5200							
55,0	(r=56,6)	2,6-43,0 8000	8000	8000	8000	8000	8000	8000	7610	7070	6750	6310	6050									
50,0	(r=51,6)	2,6-44,4 8000	8000	8000	8000	8000	8000	8000	7880	7330	7000											
45,0	(r=46,6)	2,6-45,0 8000	8000	8000	8000	8000	8000	8000	8000	8000												
40,0	(r=41,6)	2,6-40,0 8000	8000	8000	8000	8000	8000															

**LM1 + LM2**



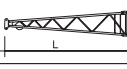

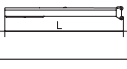

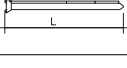



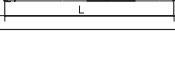

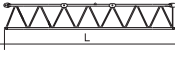






























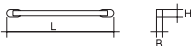

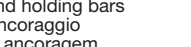
## Antriebe

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

	U/min 0-0,7 sl./min tr./min	2 x 6,3 kW
	0 ↔ 110,0 m/min	7,5 kW FU
	25,0 m/min	4 x 7,5 kW (500 HC, 355 HC) 2 x 7,5 kW (256 HC)
	<b>kVA</b>	30 kW FU    37 kW FU 45,0            50,0

**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. Qta. Cant.	<b>Drehbühne / Slewing platform / Ensemble mât-cabine / Piattaforma girevole / Conjunto plataforma de giro / Plataforma giratória</b>			5,49	2,74	2,80	10120	
1	1								
2	1	<b>Turmspitze / Tower head</b> Porte-flèche / Cuspide / Cabeza de torre Cabeça de apoio de lança			9,09	1,70	1,92	2800	
3	1	<b>Gegenausleger-Kopfstück / Counter-jib head</b> Pointe de contre-flèche / Testa di controbraccio Tramo punta de contrapluma / Cabeça de contra-lança			8,48	2,45	0,92	3050	
4	1	<b>Gegenausleger-Anlenkstück / Counter-jib heel section</b> Pied de contre-flèche / Settore articolato di controbraccio / Tramo primero-contrapluma Base articulada da contra-lança			8,44	1,77	0,92	2800	
5	1	<b>Gegenausleger-Zwischenstück / Intermediate counter-jib section</b> Élément interm. de contre-flèche Spezzone di controbraccio / Tramo intermedio de contrapluma / Peça suplementar da contra-lança			5,22	1,76	0,92	1550	
6	1	<b>Ausleger-Anlenkstück / Jib heel section</b> Pied de flèche / Settore articolato di braccio Base articulada de lança / Pluma tramo primero			12,26	1,86	1,96	① 3110	
7	1	<b>Ausleger-Zwischenstück / Intermediate jib section</b> Élément intermédiaire de flèche / Spezzone di braccio Peça suplementar da lança / Tramo intermedio pluma			10,26	1,63	1,87	②+③ 1880	
1	12,28				1,63	1,86	④ 2260		
1	5,32				1,63	1,86	⑤ 820		
1	10,27				1,63	1,86	⑥ 1220		
1	10,26				1,63	1,84	⑦ 800		
1	5,25				1,63	1,84	⑧ 510		
8	1	<b>Ausleger-Kopfstück / Jib head</b> Pointe de flèche / Punta freccia Cabeça de lança / Tramo punta de pluma			1,70	1,88	2,05	⑨ 280	
9	1	<b>Laufkatze und Lasthaken / Trolley and hook</b> Chariot de distribution et crochet / Carrello con gancio Carrito y gancho / Carro de ponte e gancho			1,89	1,83	1,57	760	
10	1	<b>Hubwerkseinheit / Hoist gear unit / Treuil de levage</b> Gruppo meccanismo sollevamento / Mecanismo de elevación / Grupo de mecanismo elevatório			280 JX 2,30	2,75	1,77	4100	
<b>Turm</b>		<b>Tower / Mât / Torre</b>							
		<b>Torre / Torre</b>							
11	9	<b>Turmstück / Tower section</b> Élément de mât / Elemento di torre Torre / Torre			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</b> Élément de mât long / Elemento di torre, lungo Tramo de torre largo / Peça de torre, comprida			256 HC	12,42	2,30	2,30	5770
13	1	<b>Grundturmstück / Base tower section</b> Mât de base / Elemento di torre base Tramo torre base / Peça de base de torre			256 HC	8,85 (12,42)	2,30 (2,30)	2,30 (2,30)	4830 (7940)
<b>Klettereinrichtung</b>		<b>Climbing equipment / Equipement de télescopage / Attrezzatura per allungamento della gru</b>							
		<b>Equipo de trepado / Acesórios p. subida no edificio</b>							
14	1	<b>Führungsstück kpl., geteilt / Guide section cpl., split</b> Cage télescopique cpl., devisée / Gabbia di sopraelevazione compl., suddivisa Torre de montaje, dividida / Peça de guia, subdividida			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 télescopage / Sistema hidráulico, travessa di appoggio e allungamento gru</b> Instalação hidráulica, travessa de apoio e subida / Sistema hidráulico con traviesa de apoyo y trepado			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</b>							
		<b>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 / Balancim com suporte</b>			355 HC	1,60	0,72	1,48	1390
					500 HC				
17	2	<b>Fahrschemel mit Antrieb / Rail bogie with drive</b> Bogie moteur / Telaio con gruppo propulsore Quadro sem grupo de propulsão / Caja rodillo motriz			256 HC	1,63 (1,46)	0,92 (0,84)	0,95 (0,87)	1690 (920)
4	4				355 HC	1,40	0,75	0,65	920
4	4				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 com grupo de propulsão</b> Caja rodillo conducido			256 HC	1,37 (1,15)	0,62 (0,60)	0,95 (0,87)	1340 (880)
4	4				355 HC	1,10	0,60	0,65	880
4	4				500 HC	1,30	0,40	0,72	1340
19	1	<b>Tragholm lang / Long support arm</b> Longeron long / Longherone lungo Brazo largo soporte / Travessa comprida			256 HC	9,10 (11,95)	0,80 (0,82)	0,80 (0,80)	1650 (2200)
2	2				355 HC	11,82	0,92	0,93	3515
2	2				500 HC	7,32	0,92	0,93	2330
20	2	<b>Tragholm kurz / Short support arm</b> Longeron court / Longherone corto Brazo corto soporte / Travessa curta			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. Qte. 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)
				355 HC	6,06	0,26	0,34	862
				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)
				355 HC	6,61	2,44	2,44	7475
				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	4000
				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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Si fa riserva di modifiche! / Salvo modificação da construação!  
¡Sujeto a modificaciones!

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