

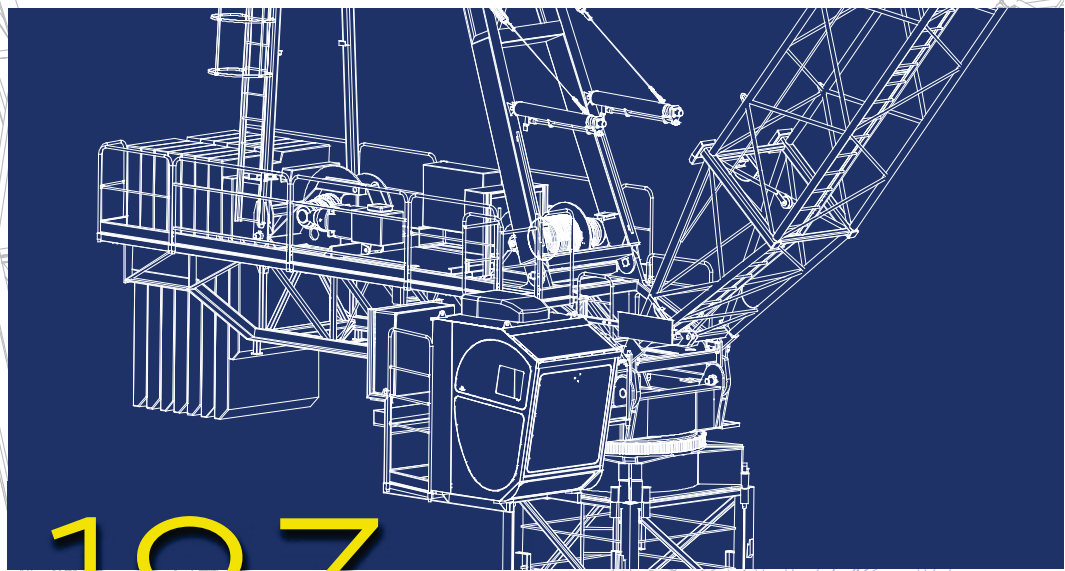
ENG
— CRANES —

Design, engineering, manufacture

TOWER CRANE
— SERVICES —

by FORSYTH OF DENNY

UK AUTHORIZED DEALER

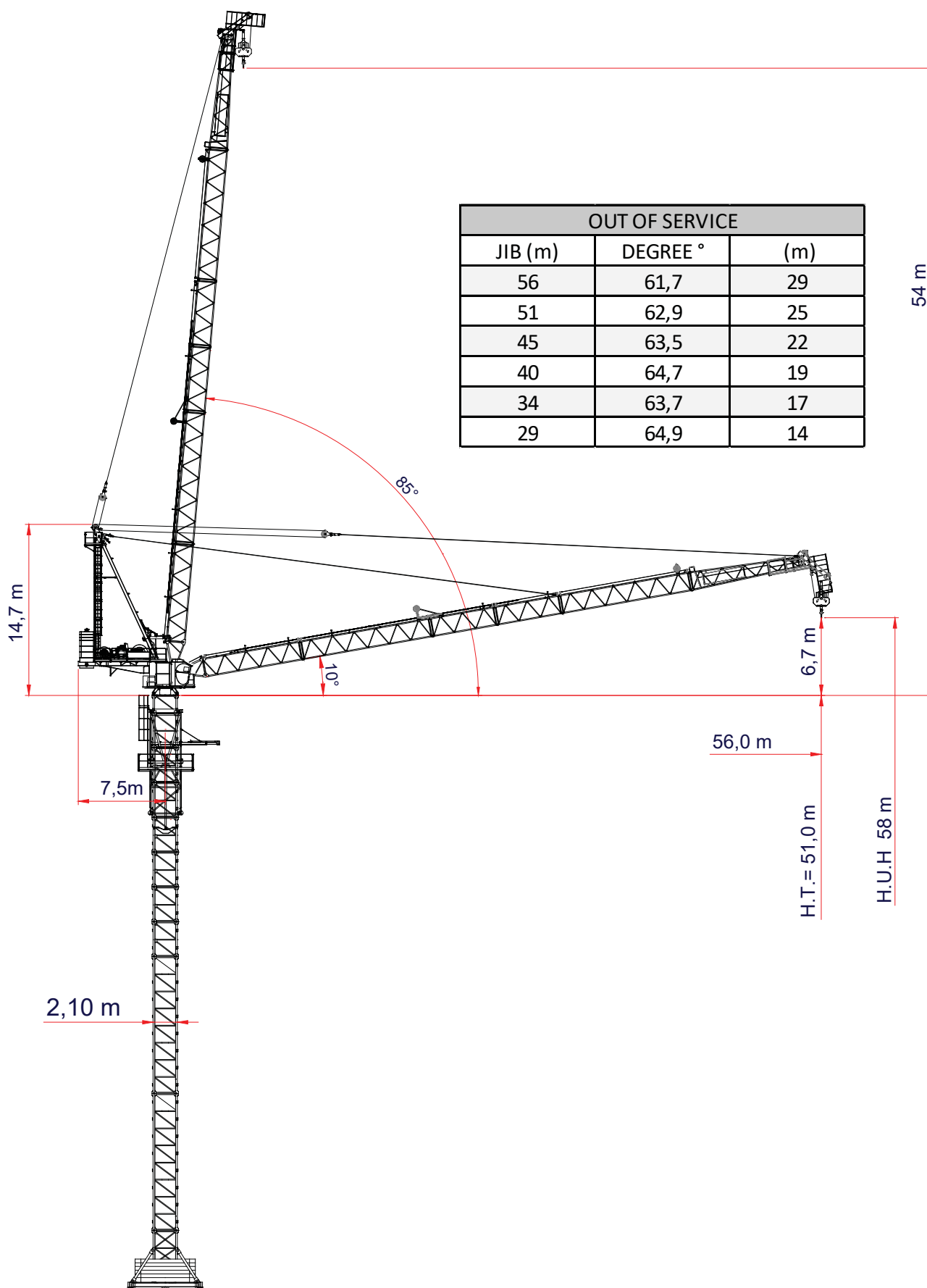


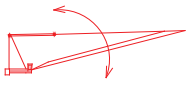
ETL 183
14t

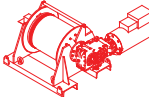
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2019

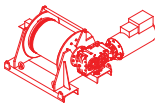


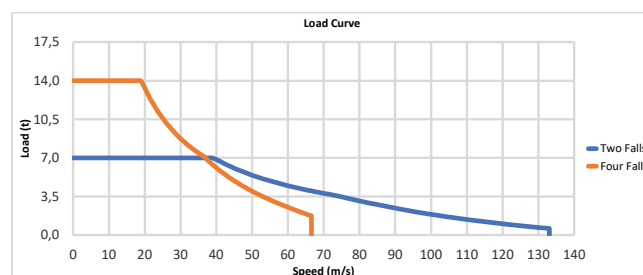
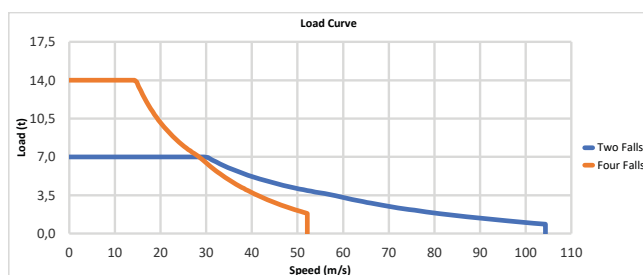
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FEM1.001-A4



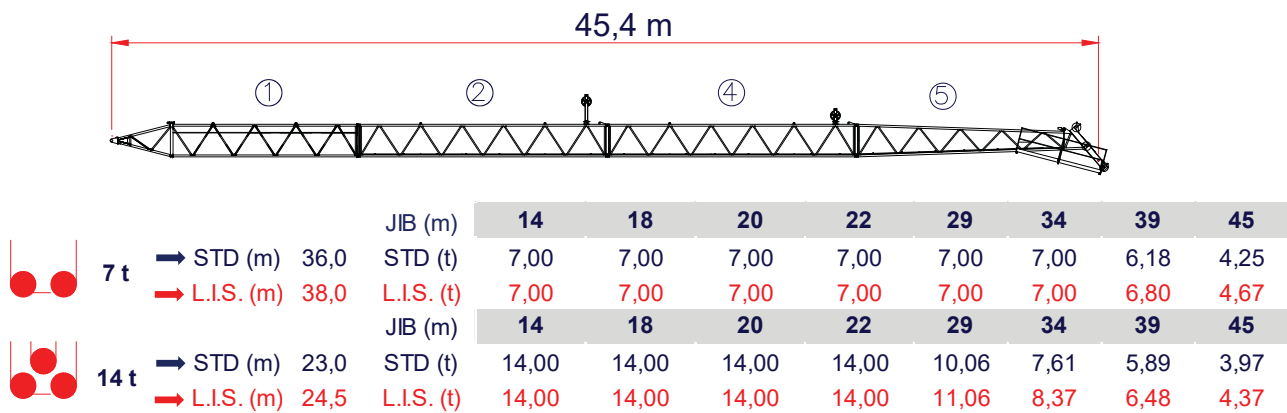
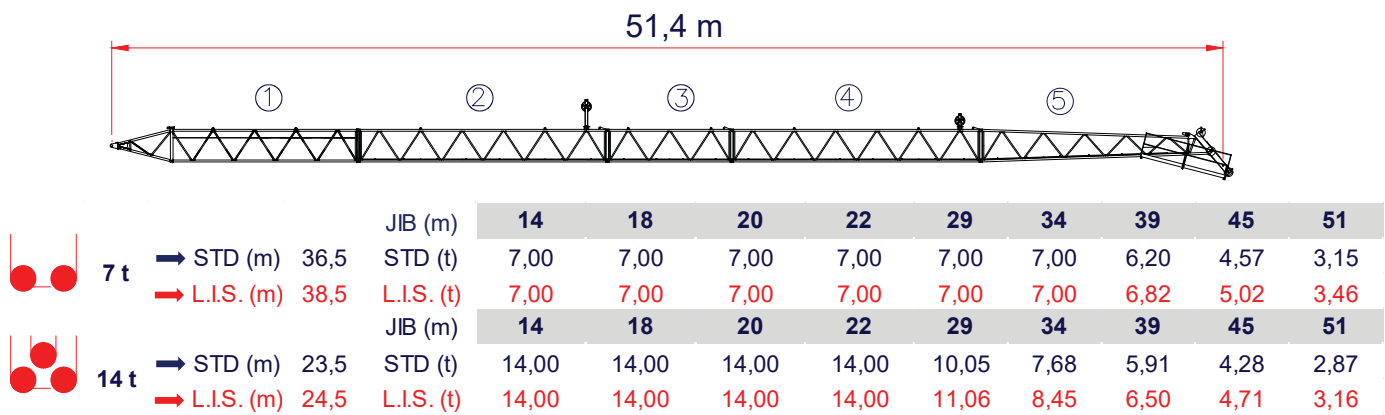
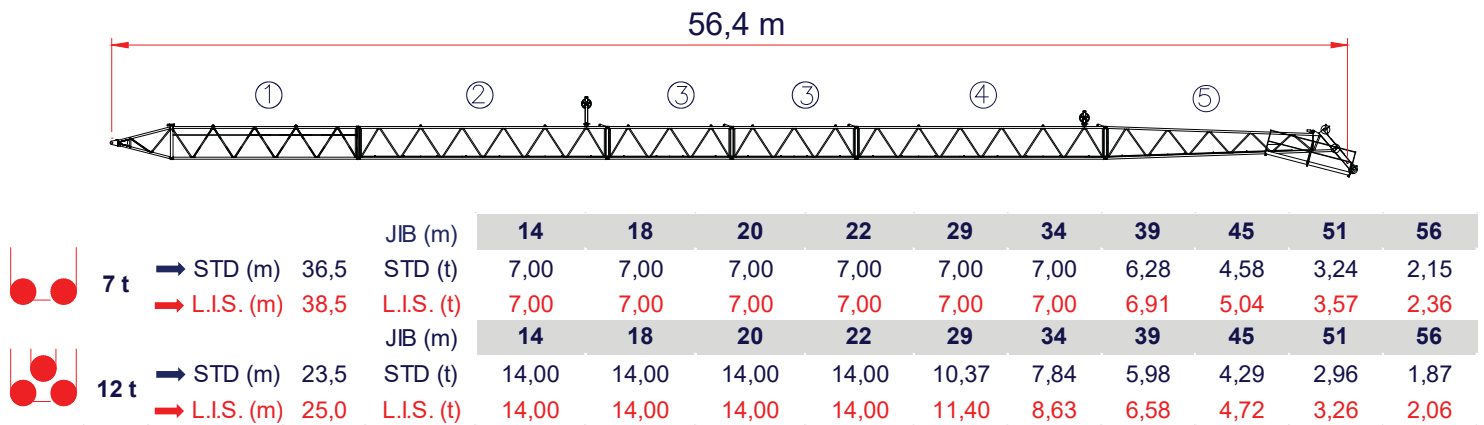
		Speed - Velocità - Vitesse - Geschwindigkeit	Power - Potenza - Puissance - Leistung
Slewing Rotazione Orientation Schwenken		0 → 0,70 r.p.m.	2 x 5,5 kW
Luffing Impennamento Impennage Einziehwirk		1,3 min	55 kW
Rail Traslazione Translation Kranfahren		0 → 19,0 m/min	4 x 4,0 kW

Type Tipo Type Type 	Power - Potenza Puissance - Leistung		Rope - Fune Cable - Seil	
	hp - CV PS - ch	kW	m	
HW145754BR1000	57	42	547	
Layer - Strati Couches - Lagen	N. 6			
Step - Marcia Vitesse - Gang	kg	m/min	kg	m/min
1	7000	9,0	14000	4,0
2	7000	17,0	14000	9,0
3	7000	29,0	14000	14,0
4	3300	60,0	6450	30,0
5	1710	84,0	3400	42,0
6	850	104,0	1830	52,0
Maximum height - Massima altezza - Hauteur maximale - Maximale Höhe	 266 m		 130 m	

Type Tipo Type Type		Power - Potenza Puissance - Leistung		Rope - Fune Cable - Seil	
		hp - CV PS - ch	kW	m	
HW147591BR1000		75	55	919	
Layer - Strati Couches - Lagen		N. 6			
Step - Marcia Vitesse - Gang		kg	m/min	kg	m/min
1		7000	11,0	14000	6,0
2		7000	22,0	14000	11,0
3		7000	38,0	14000	19,0
4		3350	77,0	6590	38,0
5		1670	104,0	3630	52,0
6		600	133,0	1740	67,0
Maximum height - Massima altezza - Hauteur maximale - Maximale Höhe		 450 m		 220 m	



TOTAL INSTALLED POWER FORZA MOTRICE TOTALE PUISSANCE TOTALE DES MOTEURS GESAMT-MOTORENLEISTUNG	42 kW (57 hp) 121 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%	55 kW (75 hp) 137 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%
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L.I.S. = Load Increase System

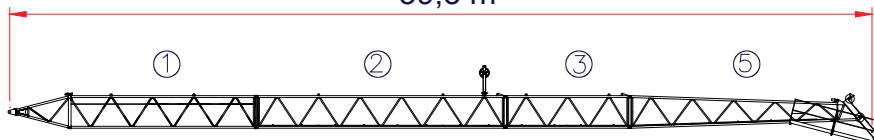
All intermediate loads can be increased till a maximum of 10% if the crane is equipped with L.I.S.

Con il sistema L.I.S. tutte le portate intermedie possono essere aumentate fino ad un massimo del 10%

Toutes les charges intermédiaires peuvent être augmentées jusqu'à un maximum de 10% si la grue est équipée avec L.I.S.

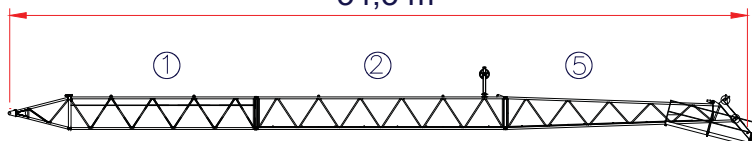
Alle zwischenlasten erhöht werden kann bis maximal 10%, wenn der kran mit L.I.S.

39,3 m



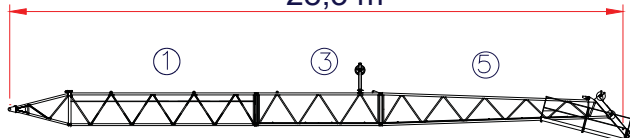
	7 t	→ STD (m)	36,5	JIB (m)	14	18	20	22	29	34	39
				STD (t)	7,00	7,00	7,00	7,00	7,00	7,00	5,94
	14 t	→ L.I.S. (m)	37,5	L.I.S. (t)	7,00	7,00	7,00	7,00	7,00	7,00	6,54
				JIB (m)	14	18	20	22	29	34	39
	7 t	→ STD (m)	23,0	STD (t)	14,00	14,00	14,00	14,00	10,02	7,69	5,66
				L.I.S. (t)	14,00	14,00	14,00	14,00	11,02	8,46	6,23
	14 t	→ L.I.S. (m)	24,5	L.I.S. (t)	14,00	14,00	14,00	14,00	11,02	8,46	6,23
				JIB (m)	14	18	20	22	29	34	39

34,3 m



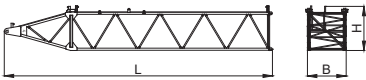
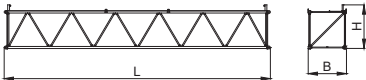
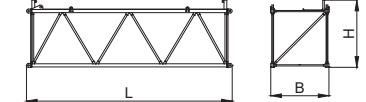
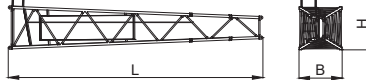
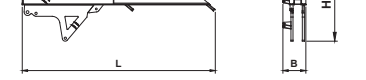
	7 t	→ STD (m)	33,5	JIB (m)	14	18	20	22	29	34
				STD (t)	7,00	7,00	7,00	7,00	7,00	7,00
	14 t	→ L.I.S. (m)	34,0	L.I.S. (t)	7,00	7,00	7,00	7,00	7,00	7,00
				JIB (m)	14	18	20	22	29	34
	7 t	→ STD (m)	23,0	STD (t)	14,00	14,00	14,00	14,00	10,16	7,27
				L.I.S. (t)	14,00	14,00	14,00	14,00	11,28	8,07
	14 t	→ L.I.S. (m)	25,0	L.I.S. (t)	14,00	14,00	14,00	14,00	11,28	8,07
				JIB (m)	14	18	20	22	29	34

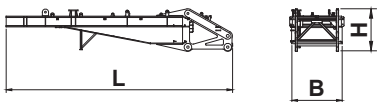
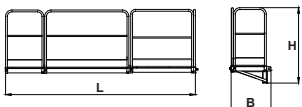
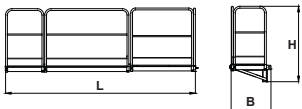
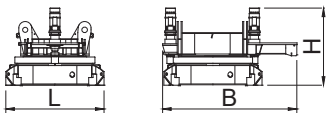
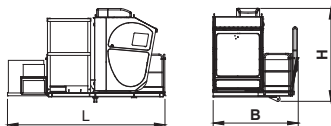
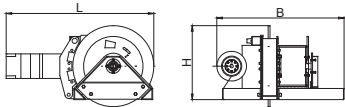
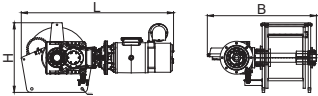
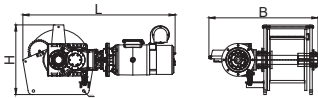
28,3 m

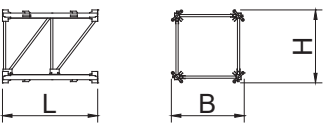
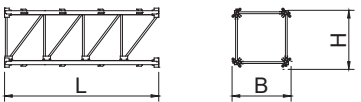
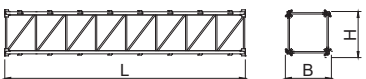
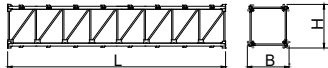
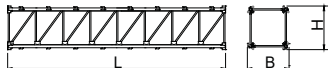
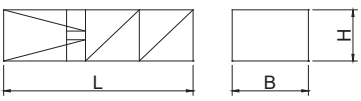
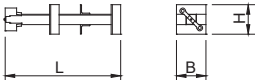
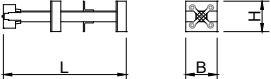


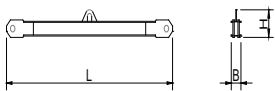
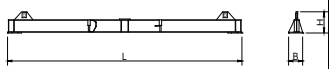
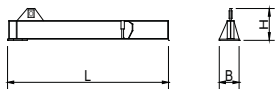
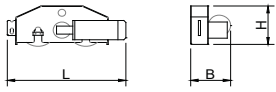
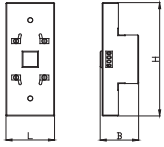
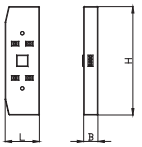
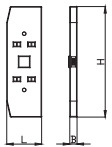
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				STD (t)	7,00	7,00	7,00	7,00	7,00
	14 t	→ L.I.S. (m)	29,0	L.I.S. (t)	7,00	7,00	7,00	7,00	7,00
				JIB (m)	14	18	20	22	29
	7 t	→ STD (m)	23,5	STD (t)	14,00	14,00	14,00	14,00	10,00
				L.I.S. (t)	14,00	14,00	14,00	14,00	10,40
	14 t	→ L.I.S. (m)	24,0	L.I.S. (t)	14,00	14,00	14,00	14,00	10,40
				JIB (m)	14	18	20	22	29

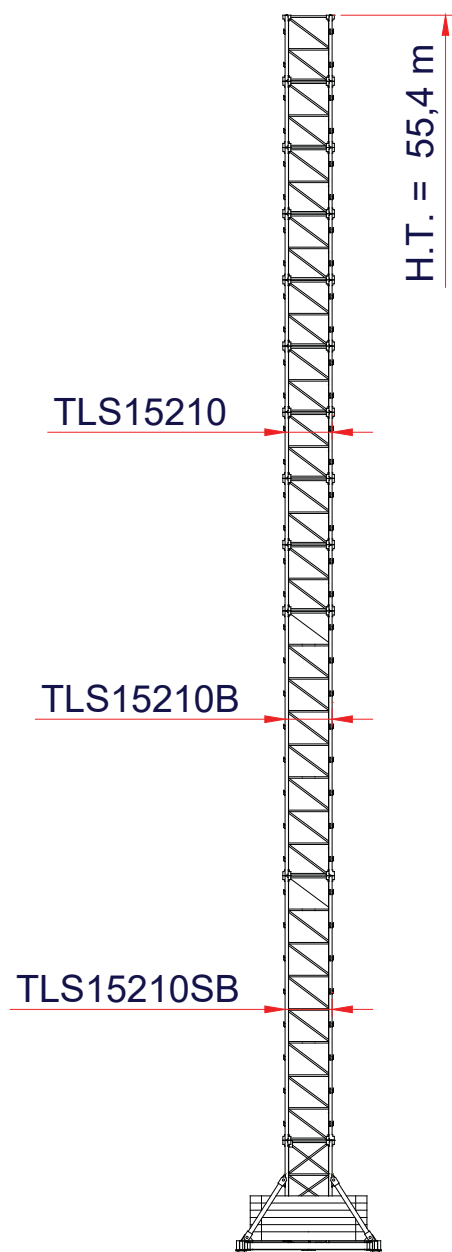
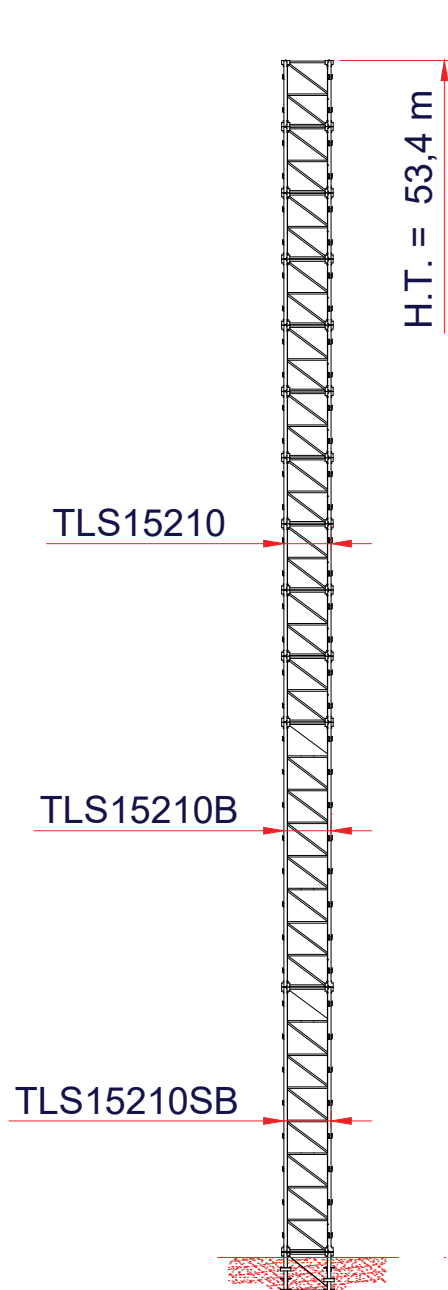
Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by additional rope weight. / Portate valide fino a 100 m di altezza di sollevamento. Oltre i 100 m si riduce la portata a causa del peso della fune. / Capacités de levage valables jusqu'à 100 m de hauteur sous crochet. Au-dessus de 100 m de hauteur sous crochet, la capacité de levage est réduite du poids de câble supplémentaire. / Tragfähigkeiten gültig bis 100 m Hubhöhe. Über 100 m Hubhöhe reduziert sich die Tragfähigkeit um das zusätzliche Seilgewicht.

Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Jib/Braccio/Flèche/Ausleger			[m]	[m]	[m]	[t]
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 1		11,43	1,80	1,88	1,75
2	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 2 - 4		11,48	1,64	1,89	1,37
2	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 3		5,80	1,65	1,89	0,74
1	Jib section / Elemento Braccio / Element de Flèche / Ausleger-Zwischenstück 5		11,51	1,64	2,04	1,20
1	Tip Puntale Elément pointe Spitzelement		3,71	0,32	1,48	0,91
1	A-Frame inclined panel / Pannello anteriore / Panneau antérieur du porte-flèche / A-Bock Vorderteil		11,42	0,68	1,79	3,02
1	A-Frame vertical panel / Tirante posteriore / Panneau vertical du porte-flèche / A-Bock Hinterteil		11,0	0,72	1,78	0,94
1	Tip Puntale Elément pointe Spitzelement		1,80	0,63	0,72	0,78

Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Counter-jib/Controfreccia/ Contre-flèche/Gegenausleger			[m]	[m]	[m]	[t]
1	Machinery deck / Plancia macchinari / Plateforme des mècanisme / Getriebebühne		8,40	1,62	1,59	6,54
2	Balcony / Ballatoio Plate-Form / Plattform 1		2,82	0,62	1,53	0,13
2	Balcony / Ballatoio Plate-Form / Plattform 2		3,37	0,62	1,53	0,17
1	Slewing-group Gruppo Girevole Groupe d'orientation Drehgruppe		2,50	2,12	2,46	6,50
1	Cabin Platform Ballatoio Cabina Ensemble mat Cabine Drehbühne		3,45	1,60	2,24	0,86
Winch / Argani / Treuil / Winde			[m]	[m]	[m]	[t]
1	Luffing Winch / Argano di Brandeggio / Treuil de Relevage / Einziehwirk		2,10	1,80	1,50	2,65
1	Hoisting Winch / Argano Sollevamento / Treuil de Levage / Hubwerk 55 kW		2,50	1,77	1,56	2,40
1	Hoisting Winch / Argano Sollevamento / Treuil de Levage / Hubwerk 42 kW		2,20	1,60	1,30	2,00

Q.ty Q.tà Q.tè Anz.	Description Descizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Tower /Torre/Mât/Turm 210HC			[m]	[m]	[m]	[t]
1	Tower section / Elemento Torre / Elément de Mât / Turmstück 210HC.0295		2,95	2,30	2,30	1,79
1	Tower section / Elemento Torre / Elément de Mât / Turmstück 210HC.0590		5,90	2,30	2,30	3,24
1	Tower section / Elemento Torre / Elément de Mât / Turmstück 210HC.1180		11,80	2,30	2,30	6,18
1	Tower section / Elemento Torre / Elément de Mât / Turmstück 210HCB.1180		11,80	2,30	2,30	6,28
1	Tower section / Elemento Torre / Elément de Mât / Turmstück 210HCSB.1180		11,80	2,30	2,30	7,40
1	Climbing Cage Gabbia di Montaggio Cage de montage Hydraulikbühne (Transportation)		8,53 (8,53)	3,10 (2,50)	2,30 (1,15)	7,67 (7,67)
4	Foundation Anchors Gambe di Fondazione Jambes de Scellement Gründungspfahl		1,82	0,47	0,47	0,28
4	Foundation Anchors Gambe di Fondazione Jambes de Scellement Gründungspfahl BOOSTER / SUPER BOOSTER		1,82	0,47	0,47	0,40

Q.ty Q.tà Q.tè Anz.	Description Descrizione Description Beschreibung	Sketch Figura Esquisse Skizze	Length Lunghezza Longueur Länge [L]	Width Larghezza Largeur Breite [B]	Height Altezza Hauteur Höhe [H]	Single Weight Peso Unitario Poids individuels Einzelgewichte
Strut Base / Base con puntoni / Base avec struts/ Bases mit stüt 6x6 2,10HC			[m]	[m]	[m]	[t]
1	Base Element Elemento di Base Mat de base Turmbasiselement		4,43	2,40	2,40	4,00
4	Struts Puntoni Haubans Mastabstützungen		3,77	0,23	0,26	0,34
1	Base main beam Trave principale della crociera di base Poutre de chasis de base Hauptträger für Kreuzgelenk		8,90	0,72	0,76	1,65
2	Half Base Beam Semitrave della Crociera di Base Semipoutre de chasis de base Halbträger für Kreuzgelenk		4,35	0,60	0,76	0,75
4	Driven Bogie Bilancino di Traslazione Motorizzato Boggie Motorisée Fahrschemel mit Motorantrieb		1,75	0,71	0,79	1,00
Counter-jib Ballast / Zavorra di Controfreccia / Lest de Contre-flèche/Gegenausleger Ballast			[m]	[m]	[m]	[t]
1	Counter-jib Ballast / Zavorra di Controfreccia / Lest de Contre-flèche / Gegenausleger Ballast A6000		2,80	0,90	1,20	6,00
3	Counter-jib Ballast / Zavorra di Controfreccia / Lest de Contre-flèche / Gegenausleger Ballast B6300		3,80	0,54	1,20	6,30
2	Counter-jib Ballast / Zavorra di Controfreccia / Lest de Contre-flèche / Gegenausleger Ballast C3150		3,80	0,29	1,20	3,15



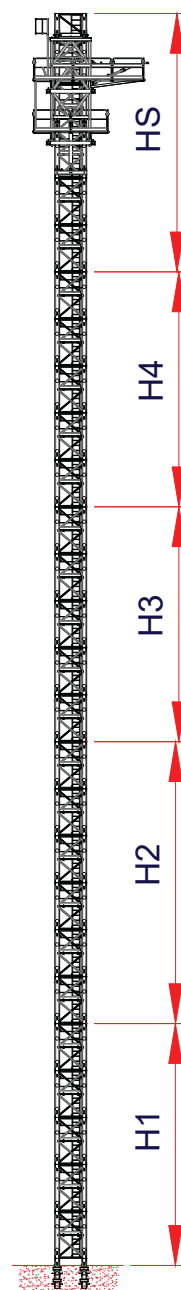
TLS15210SB			
JIB (m)	H.U.H. (m) - 10°	H.U.H. (m) - 85°	H.T. (m)
29	55,05	79,15	53,35
34	53,10	81,80	50,40
40	51,15	84,55	47,45
45	52,15	90,15	47,45
51	50,20	92,90	44,50
56	51,20	98,50	44,50

TLS15210SB - BASE 6x6			
JIB (m)	H.U.H. (m) - 10°	H.U.H. (m) - 85°	H.T. (m)
29	57,07	81,17	55,37
34	55,12	83,82	52,42
40	53,17	86,57	49,47
45	54,17	92,17	49,47
51	52,22	94,92	46,52
56	53,22	100,52	46,52

EXTERNAL CLIMBING
A SOPRALZO IDRAULICO
TELESCOPABLE
KLETTERKRANE

TLS15210			
(m)			
H1 MAX	35,7	H1 MIN	29,8
H2 MAX	23,6	H2 MIN	17,7
H3 MAX	23,6	H3 MIN	17,7
H4 MAX	23,6	H4 MIN	17,7
HS MAX	32,5	HS MIN	26,6
H.U.H MAX	138,9	H.U.H MIN	109,4

*The heights depend on the jib version
Le altezze dipendono dalla versione di braccio
Les hauteurs dépendent de la version de flèche
Die Höhen hängen von der Armversion ab*

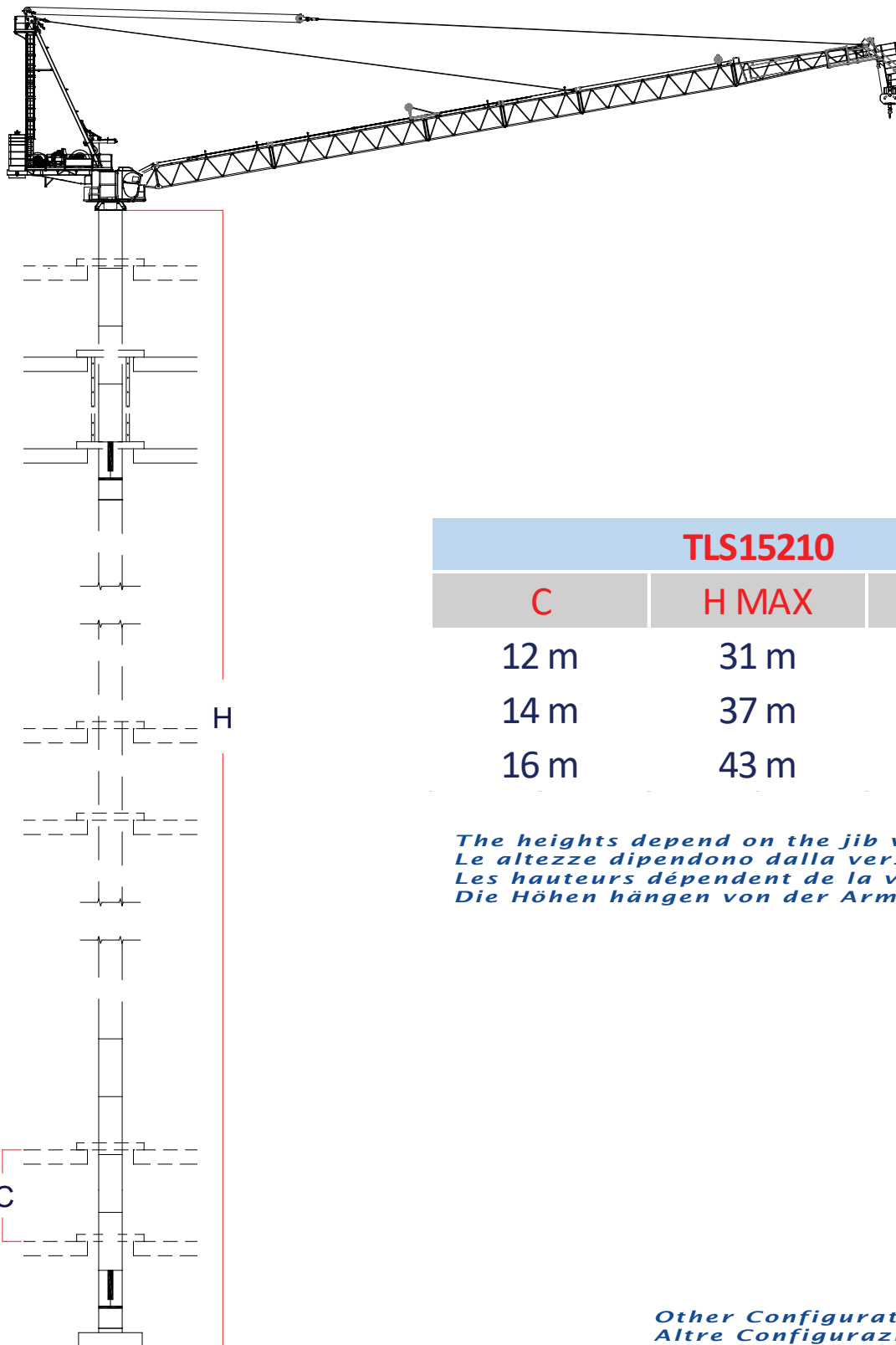


*Other Configuration Available
Altre Configurazioni Disponibili
Autres configurations Disponibles
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INTERNAL CLIMBING
RAMPANTE
TELESCOPABLE SUR DALLES
KLETTERKRANE IN GEBAUDE



TLS15210		
C	H MAX	H MIN
12 m	31 m	25 m
14 m	37 m	31 m
16 m	43 m	37 m

*The heights depend on the jib version
Le altezze dipendono dalla versione di braccio
Les hauteurs dépendent de la version de flèche
Die Höhen hängen von der Armversion ab*

*Other Configuration Available
Altre Configurazioni Disponibili
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