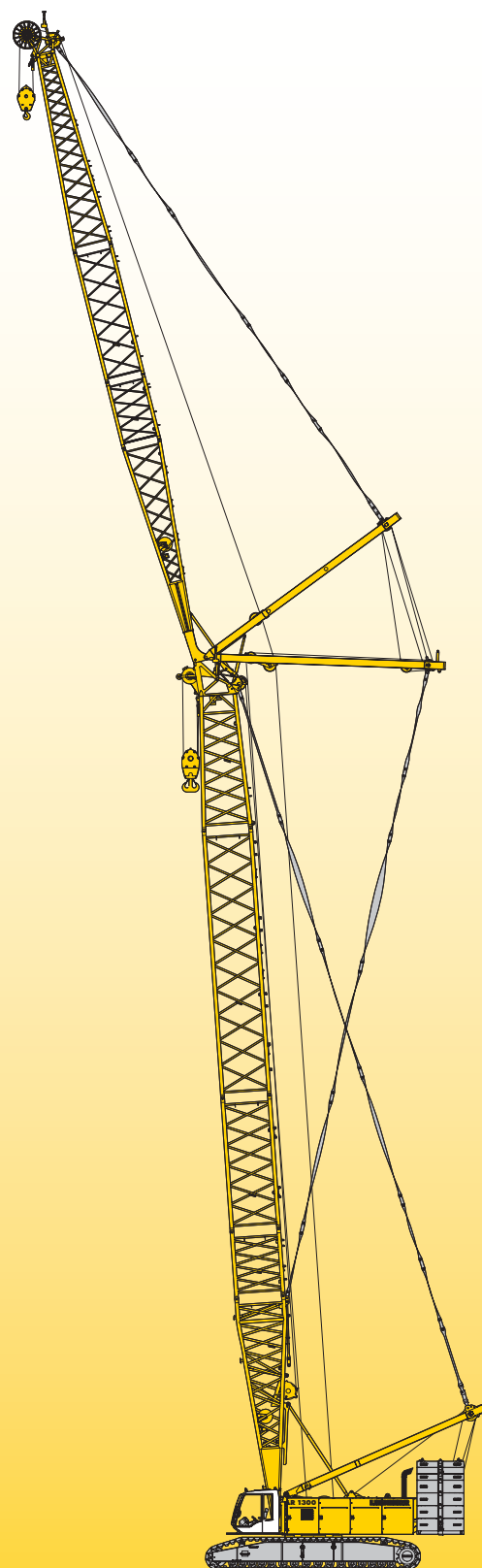
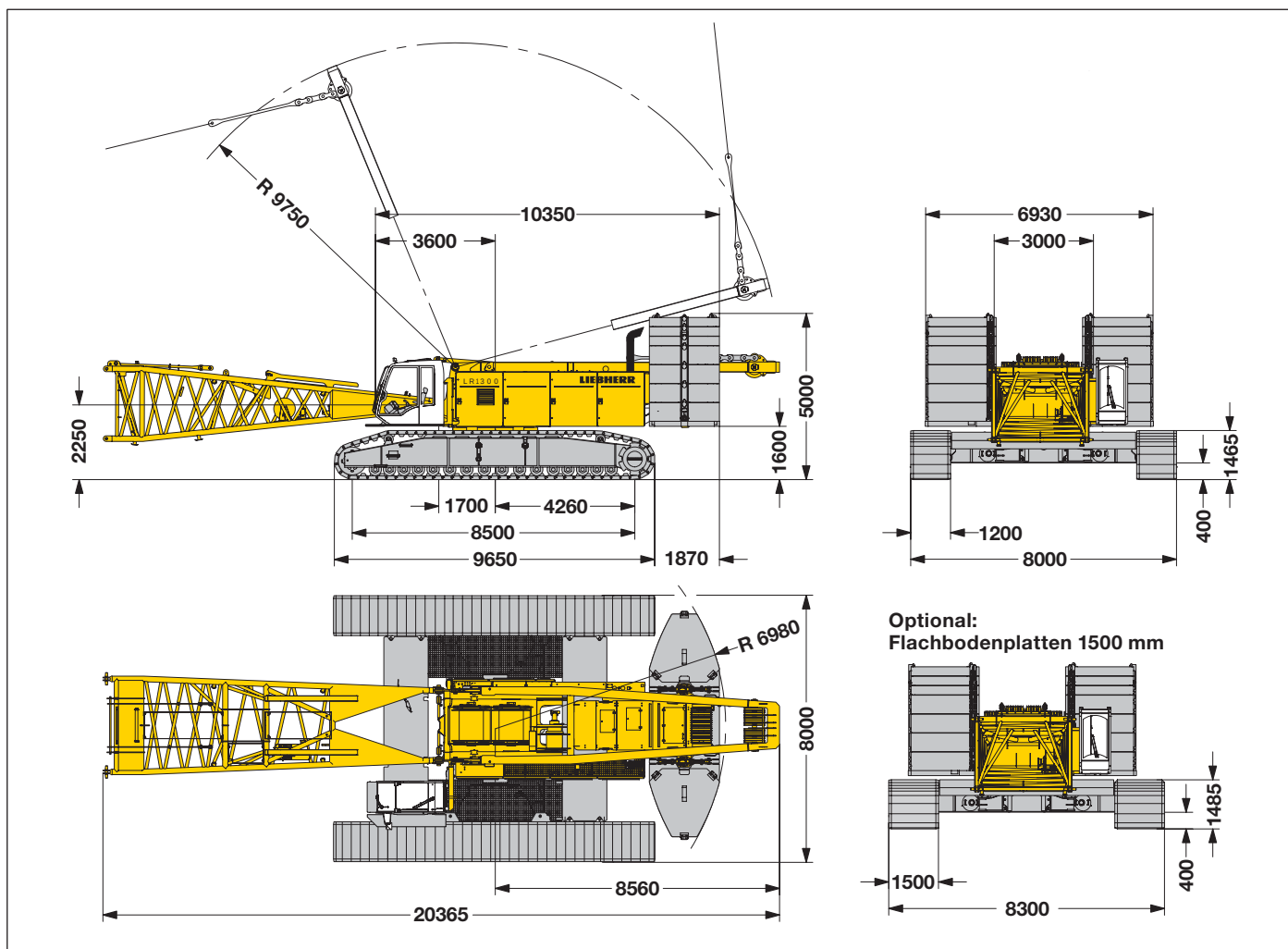




Abmessungen

Grundgerät mit Unterwagen



Dienstgewichte

Die Dienstgewichte beinhalten das Grundgerät mit Plattenlaufwerk, 2 Hauptwinden 150 kN und 20 m Hauptausleger, bestehend aus Aufrichtmast, Anlenkstück (10 m), Auslegerkopf (7 m), Auslegerzwischenstück (3 m), 124 t Oberwagenballast, 57 t Zentralballast und 300 t Hakenflasche.

Gesamtgewicht ————— ca. 290 t

Bodenbelastung

Bodenbelastung ————— 1.45 kg/cm²

Ausrüstung

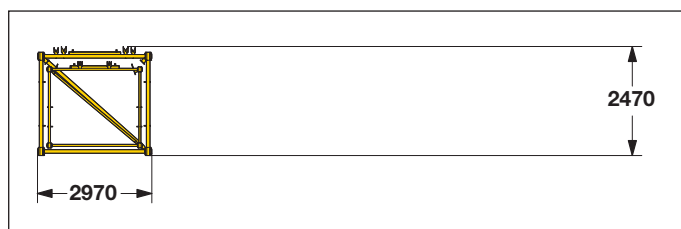
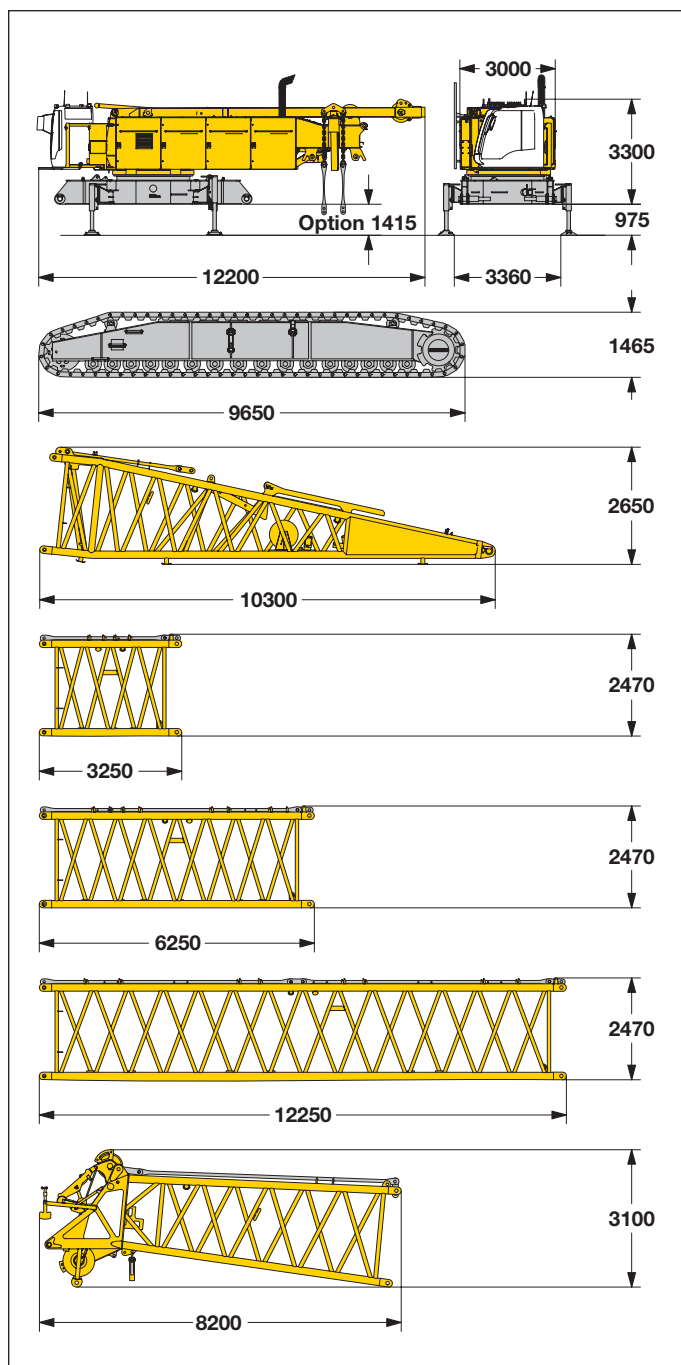
Hauptausleger (No. 2821.xx) max. Länge	98 m
Leichtausleger (No. 2821.xx und 2316.xx)	123 m
Verstellbarer Nadelausleger (No. 2316.xx) max. Länge	113 m
Max. Kombination — Hauptausleger	59 m
— Verstellbarer Nadelausleger	113 m
Spitzenausleger	36 t

Anmerkungen

1. Traglasten für Einsatz als Montagekran (entspricht Kraneinstufung nach F.E.M. 1.001. Krangruppe A1).
2. Die Maschine steht auf tragfähigem, waagrechtem Untergrund.
3. Das Gewicht des Lastaufnahmemittels (Hakenflasche, Hubseile, Schäkel usw.) ist von der Traglast abzuziehen.
4. Zusatzlasten am Ausleger (wie z.B. Podeste) sind von den Traglasten abzuziehen.
5. Die maximal zulässige Windgeschwindigkeit entnehmen Sie bitte dem Traglasttabellenbuch.
6. Die Ausladungen sind von Mitte Drehkranz und unter Last angegeben.
7. Die Traglasten sind in Tonnen angegeben und 360° schwenkbar.
8. Desweiteren sind für die Berechnung der Standsicherheit die DIN 15019 / Teil 2 / Tab. 1 und ISO 4305 Tab. 1 + 2, als auch die Kippwinkelmethode 4° zugrunde gelegt.
9. Für die Stahltragwerke gilt F.E.M. 1.001 - 1998 (EN 13001-1; EN 13001-2).

Transportmaße und Gewichte

Grundgerät und Hauptausleger (No. 2821.xx)



→ Inklusive Haltestangen

Grundgerät

mit Aufrichtmast, 2x 150 kN Kranwinden, ohne Anlenkstück, ohne Hubseile, Grundballast und Laufwerke

Breite	3000 mm
Gewicht	41800 kg

Laufwerk

2x

	Optional	Standard
Flachbodenplatten	1500 mm	1200 mm
Breite	1500 mm	1400 mm
Gewicht	26200 kg	22350 kg

Anlenkstück (No. 2821.30)

Breite	2970 mm
Gewicht ohne Winden	5700 kg
Gewicht inkl. Winde und Seil	7400 kg

Zwischenstück (No. 2821.24)

3 m

Breite	2970 mm
Gewicht*	1200 kg

Zwischenstück (No. 2821.24)

6 m

Breite	2970 mm
Gewicht*	1900 kg

Zwischenstück (No. 2821.24)

12 m

Breite	2970 mm
Gewicht*	3350 kg

Auslegerkopf (No. 2821.24)

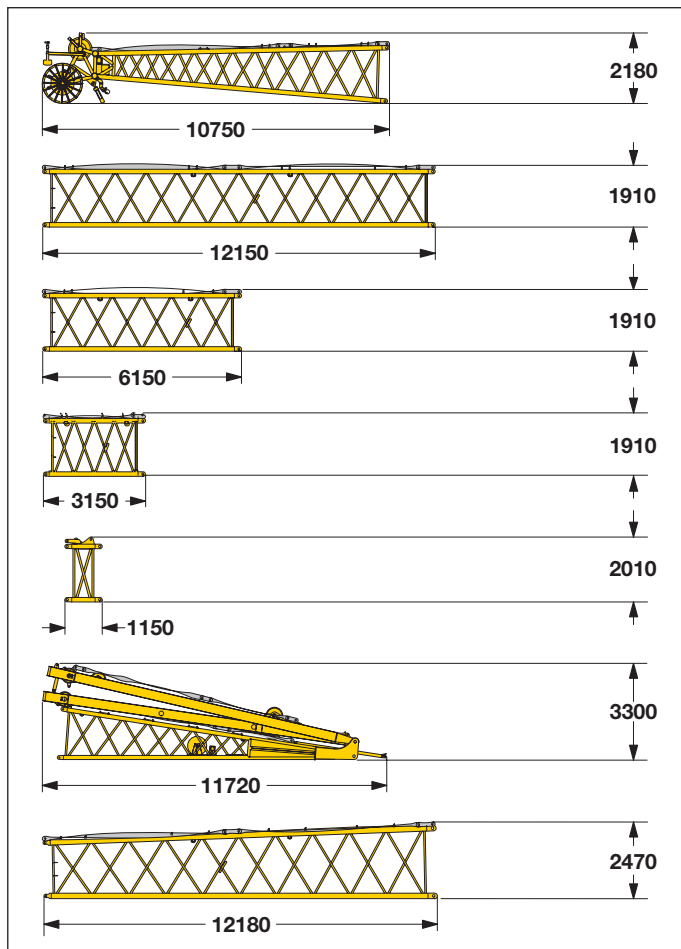
Breite	2970 mm
Gewicht*	5400 kg

Transportalternative

No. 2821.xx/2316.xx	12/12	6/6	3/3 m
Länge	12500	6250	3250 mm
Gewicht*	5150	2850	1810 kg

Transportmaße und Gewichte

Verstellbarer Nadelausleger (No. 2316.xx)



Nadelkopf (No. 2316.20)

Breite	2430 mm
Gewicht*	2300 kg

Zwischenstück (No. 2316.20) **12 m**

Breite	2430 mm
Gewicht*	1800 kg

Zwischenstück (No. 2316.20) **6 m**

Breite	2430 mm
Gewicht*	950 kg

Zwischenstück (No. 2316.20) **3 m**

Breite	2430 mm
Gewicht*	600 kg

Leichtausleger-Z-Stück (No. 2316.20) **1 m**

Breite	2430 mm
Gewicht*	640 kg

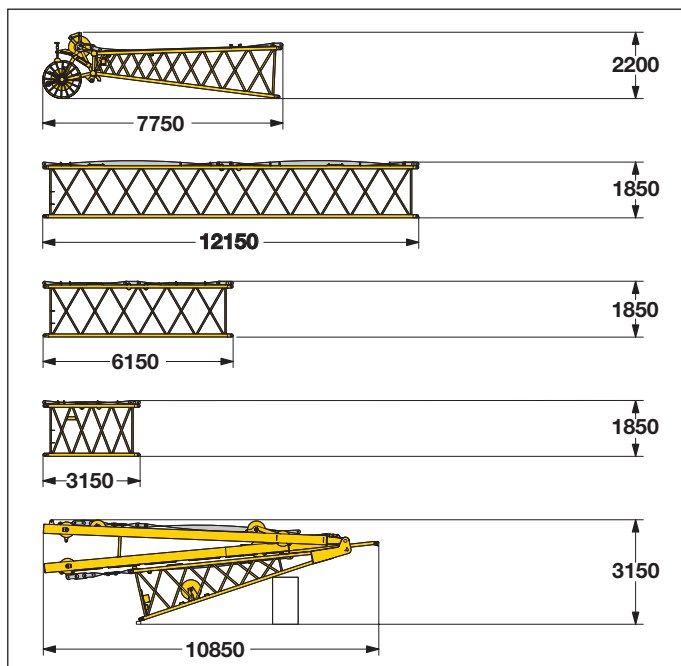
Anlenkstück mit A-Böcken (No. 2316.22)

Breite	2670 mm
Gewicht*	8060 kg

Leichtausleger-Reduzierstück (No. 2821/2316.24) **12 m**

Breite	2970 mm
Gewicht*	2700 kg

Verstellbarer Nadelausleger (No. 1916.xx)



Nadelkopf (No. 1916.21)

Breite	2010 mm
Gewicht*	1550 kg

Zwischenstück (No. 1916.18) **12 m**

Breite	2010 mm
Gewicht*	1250 kg

Zwischenstück (No. 1916.18) **6 m**

Breite	2010 mm
Gewicht*	690 kg

Zwischenstück (No. 1916.18) **3 m**

Breite	2010 mm
Gewicht*	475 kg

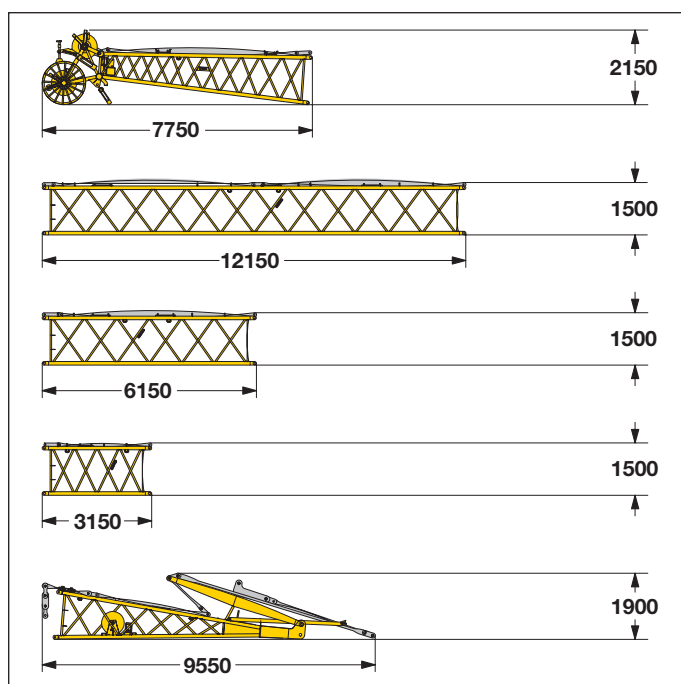
Anlenkstück mit A-Böcken (No. 1916.22)

Breite	2010 mm
Gewicht*	6300 kg

*) Inklusive Haltestangen

Transportmaße und Gewichte

Feststehender Nadelausleger (No. 1713.xx)



Nadelkopf (No. 1713.21)

Breite	1820 mm
Gewicht*	1375 kg

Zwischenstück (No. 1713.18) **12 m**

Breite	1820 mm
Gewicht*	1140 kg

Zwischenstück (No. 1713.18) **6 m**

Breite	1820 mm
Gewicht*	630 kg

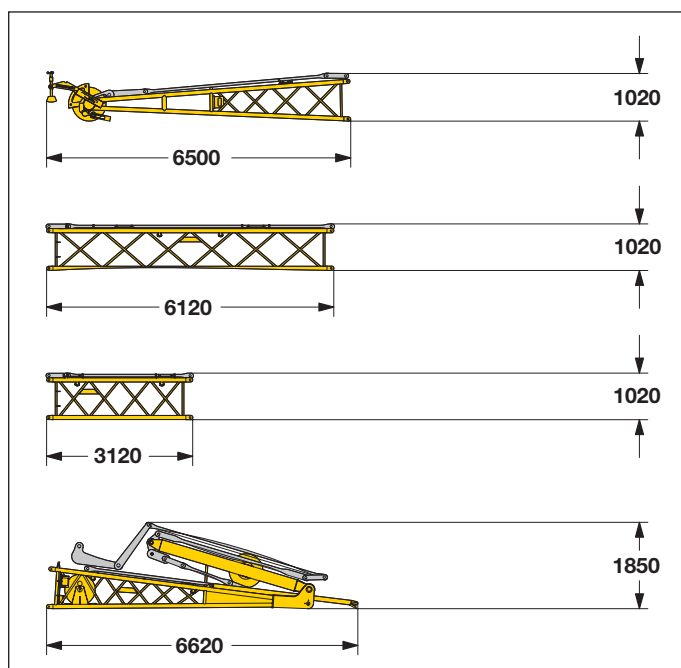
Zwischenstück (No. 1713.18) **3 m**

Breite	1820 mm
Gewicht*	420 kg

Anlenkstück mit A-Bock (No. 1713.22)

Breite	2450 mm
Gewicht*	2485 kg

Feststehender Nadelausleger (No. 1008.xx)



Nadelkopf (No. 1008.20)

Breite	1090 mm
Gewicht*	920 kg

Zwischenstück (No. 1008.17) **3 m**

Breite	1090 mm
Gewicht*	630 kg

Zwischenstück (No. 1008.17) **6 m**

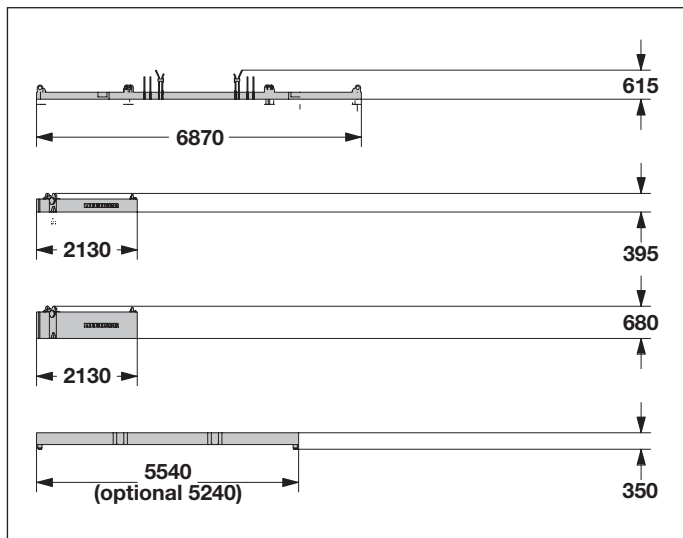
Breite	1090 mm
Gewicht*	300 kg

Anlenkstück mit A-Bock (No. 1008.20)

Breite	2200 mm
Gewicht*	1950 kg

Transportmaße und Gewichte

Ballaste



Ballastplatte **1x**

Breite	2110 mm
Gewicht	14500 kg

Ballastplatte **6x**

Breite	2110 mm
Gewicht	5000 kg

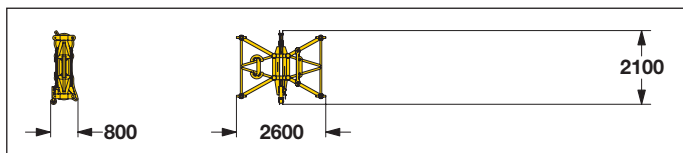
Ballastplatte **8x**

Breite	2110 mm
Gewicht	10000 kg

Zentralballastplatte **4x**

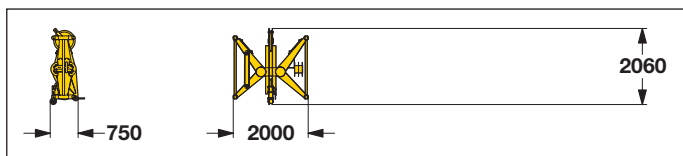
	Optional	Standard
Breite	1500 mm	1200 mm
Gewicht	13400 kg	14250 kg

Mid fall (optional)



Mid fall **Zwischenstück** (No. 2316.25) **0.5 m**

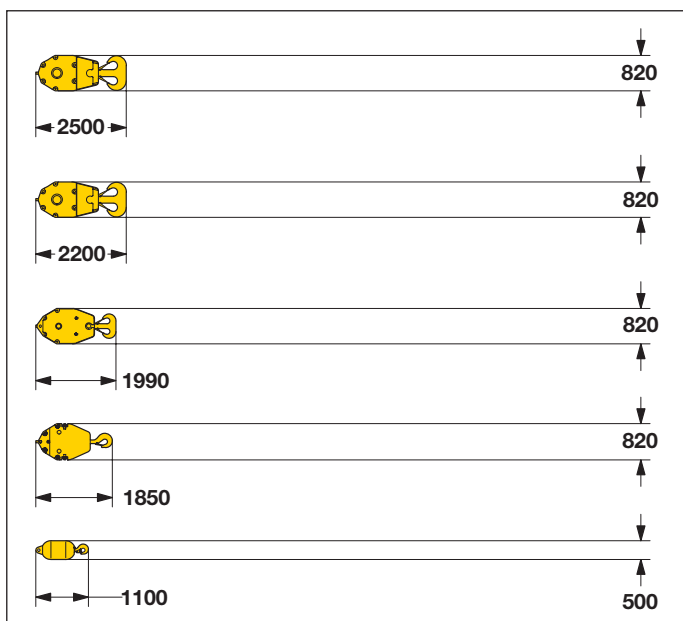
Breite	800 mm
Gewicht	690 kg



Mid fall **Zwischenstück** (No. 1916.32) **0.5 m**

Breite	750 mm
Gewicht	685 kg

Haken



300 t Hakenflasche - 11 Rollen

Breite	880	1230 mm
Gewicht	3200	5500 kg

150 t Hakenflasche - 5 Rollen

Breite	500	660	820 mm
Gewicht	1600	2800	4000 kg

100 t Hakenflasche - 3 Rollen

Breite	340	480	620 mm
Gewicht	1100	2050	3000 kg

50 t Hakenflasche - 1 Rolle

Breite	280	410	540 mm
Gewicht	800	1600	2400 kg

16 t Einzelhaken

Breite	500 mm
Gewicht	900 kg

Technische Beschreibung



Motor

Leistung nach ISO 9249, 450 kW (612 PS) bei 1900 U/min
Modell ————— Liebherr D 9508 A7
Kraftstofftank ————— 900 l Tankinhalt mit kontinuierlicher
Niveauanzeige und Reserveangabe
Der Dieselmotor entspricht der Abgaszertifizierung für mobile
Maschinen nach EPA / CARB Tier 3 und 97/68 EG Stufe III.



Hydraulikanlage

Eine doppelte Verstellpumpe versorgt die Haupt- und Nadelausleger-Verstellwinden und das Fahrwerk im offenen Kreislauf. Die Haupthubwinden und das Drehwerk werden im geschlossenen Kreislauf betrieben. Alle Bewegungen können gleichzeitig gefahren werden. Um hydraulische Druckspitzen abzufangen, wurde eine automatisch arbeitende Druckabschneidung integriert. Alle Filter werden elektronisch überwacht. Die Verwendung synthetischer, umweltfreundlicher Öle ist möglich. Arbeitsdruck ————— max. 350 bar
Hydrauliköl-Tankinhalt — 900 l



Nadelausleger-Verstellwinde

Seilzug ————— max. 105 kN
Seildurchmesser ————— 20 mm
Verstellung Nadelausleger von 15° bis 78° in 69 sec.



Hauptausleger-Verstellwinde

Seilzug ————— max. 217 kN
Seildurchmesser ————— 24 mm
Verstellung Hauptausleger von 15° bis 86° in 127 sec.



Schwenkwerk

Rollendrehkranz mit außenliegender Verzahnung, Schwenkwerk mit Axialkolbenmotor, hydraulisch löfzbare Lamellenbremse, Planetengetriebe und Drehwerksritzel. Das Schwenkwerk kann sowohl mit Geschwindigkeitsvorwahl wie auch im Freilauf betrieben werden. Bei der Geschwindigkeitsvorwahl schließt eine Lamellenbremse (Stillstandsbremse), wenn keine Drehbewegung vorhanden ist. Drehwerksgeschwindigkeit 0 – 1.8 U/min stufenlos regelbar.



Windwerke

Seilzug in der 1. Lage ————— max. 215 kN
Seilzug in der 7. Lage ————— 150 kN
Seildurchmesser ————— 28 mm
Seiltrommeldurchmesser ————— 730 mm
Seilgeschwindigkeit m/min ————— 0 – 138
Seilkapazität in 7 Lagen ————— 570 m

Die Winden zeichnen sich durch ihre kompakte, montagefreundliche Bauweise aus.

In Öl laufende, innenliegende, wartungsarme Planetengetriebe. Lastabstützung über Hydraulikanlage, zusätzliche Sicherheit durch federbelastete Lamellenbremse (Stillstandsbremse). Für die Hauptwinden werden hochdruckgeregelte Verstellölmotoren verwendet. Diese erlauben schon im Teillastbereich die volle Ausnutzung der installierten Motorleistung durch Geschwindigkeitsanpassung an den jeweiligen Seilzug. Auf Wunsch – Winde mit Freifalleinrichtung: Bei der Freifalleinrichtung wird sowohl die Kupplungs- als auch die Bremsfunktion über die Arbeitsbremse realisiert. Diese Bremse ist eine verschleißarme, wartungsfreie Lamellenbremse in kompakter Bauweise.



Fahrwerk

Fahrwerksantrieb mit Axialkolbenmotor, hydraulisch löfzbare, federbelastete Lamellenbremse, Laufwerk mit hydraulischer Kettenspannung. Flachbodenplatten — 1200 mm (optional 1500 mm)
Fahrgeschwindigkeit — 0 – 1.3 km/h



Steuerung

Die von Liebherr entwickelte und im eigenen Haus gefertigte Steuerung ist für den harten Baustelleneinsatz und extreme Umweltbedingungen wie große Temperaturschwankungen, starke Vibrationen und elektromagnetische Interferenzen konzipiert.

Alle Betriebsdaten des Gerätes werden auf einem kontraststarken Bildschirm angezeigt.

Standard-Betriebsinformationen erscheinen in Form von Symbolen, Fehleranzeigen im Klartext auf dem Bildschirm (mehr als 15 Sprachen verfügbar).

Eine elektrohydraulische, stufenlose Proportionalsteuerung ermöglicht das Fahren aller Bewegungen gleichzeitig.

Die Bedienung erfolgt über 2 Einhebel-Kreuzschaltungen für „Winde I und Einziehwerk“ und für „Winde II und Drehwerk“.

Auf Wunsch:

Doppel-T-Hebel für den gleichzeitigen Betrieb von Winde und verstellbarem Nadelausleger.

Das Fahrwerk wird über zwei Fußpedale gesteuert und kann über zwei Hebel in eine Hand-Fahrwerkssteuerung umgewandelt werden.

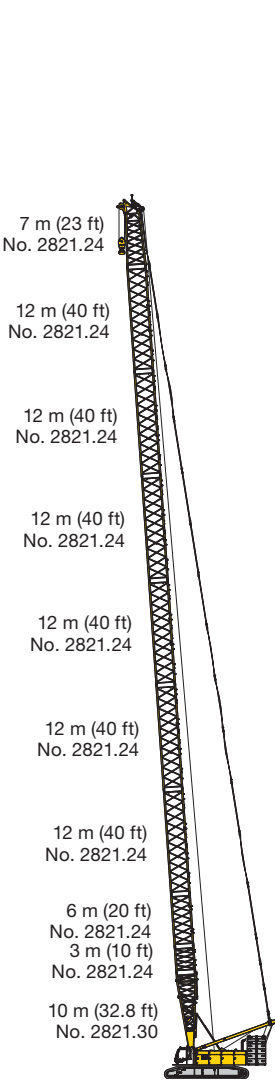
Fernsteuerung für die Heckballastmontage und für die Verbolzung des Auslegeranlenkstücks mit dem Oberwagenstahlbau.



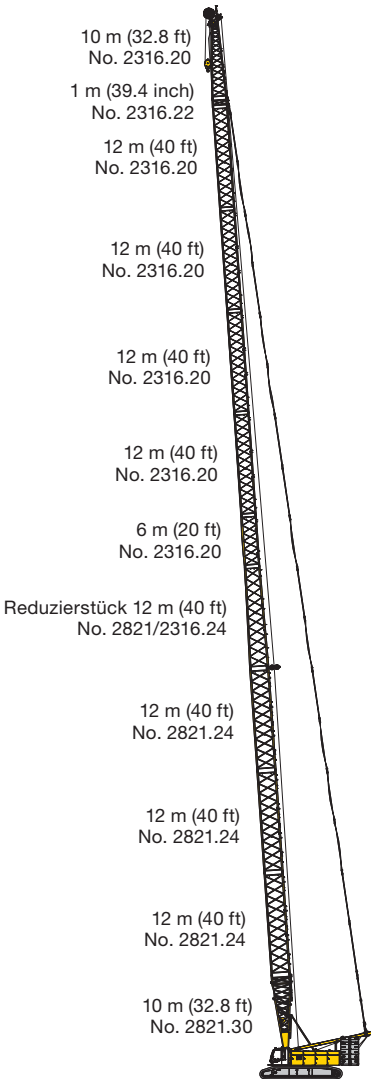
Schallemission

Die Schallemissionen entsprechen der Richtlinie 2000/14/EG über Geräuschemissionen von zur Verwendung im Freien vorgesehenen Geräten und Maschinen.

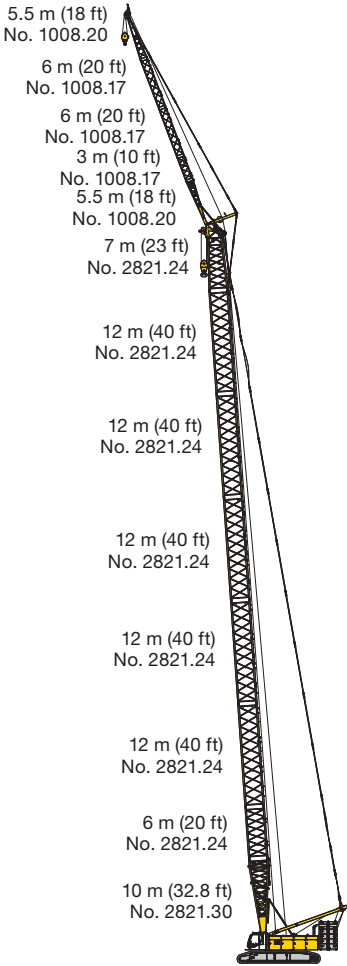
Auslegerkombinationen



Hauptausleger No.2821.xx — 98 m

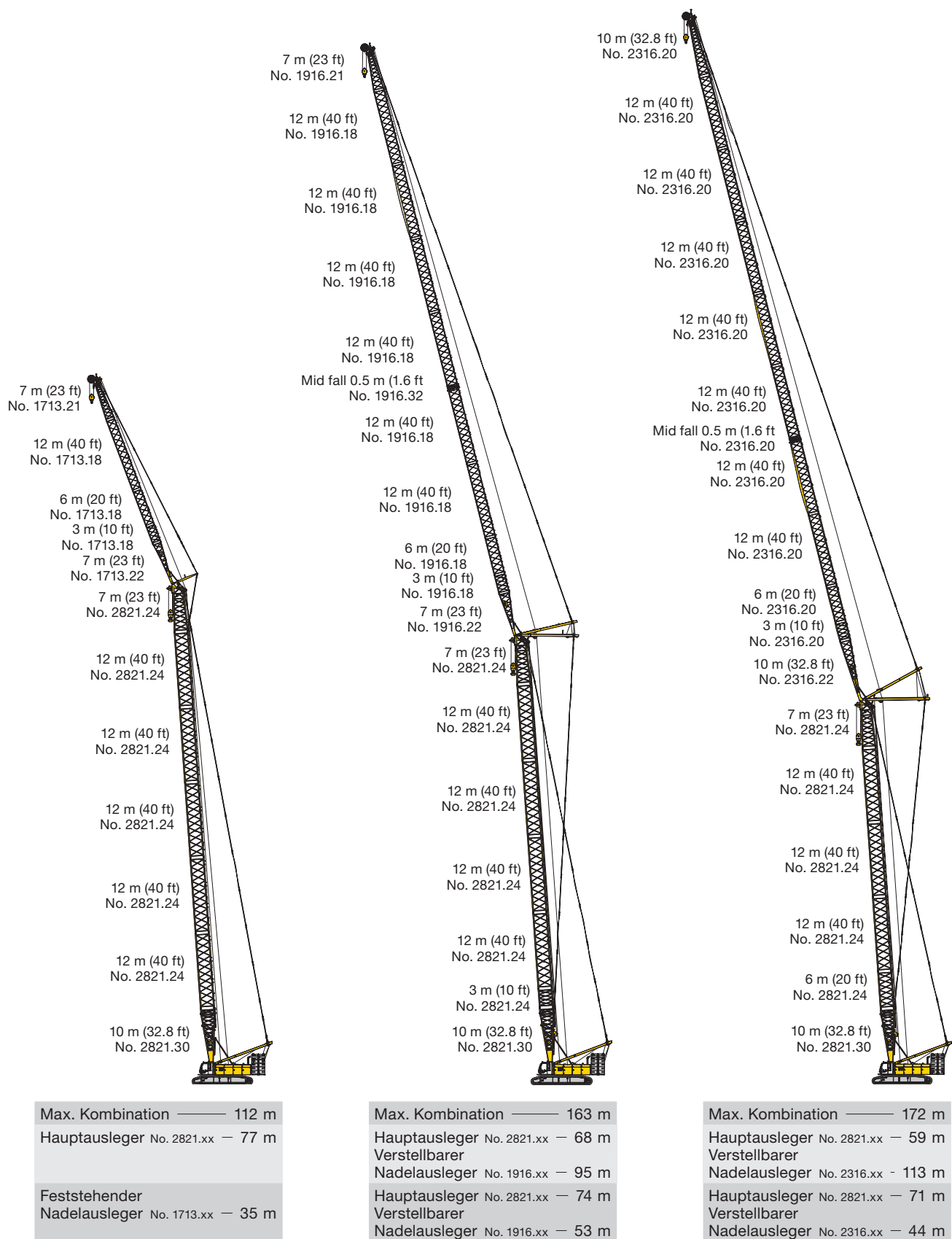


Max. Kombination — 123 m
Hauptausleger No.2321.xx 46 m
Reduzierung No.2821/2316.xx 12 m
Verstellbarer Nadelausleger No.2316.xx 65 m

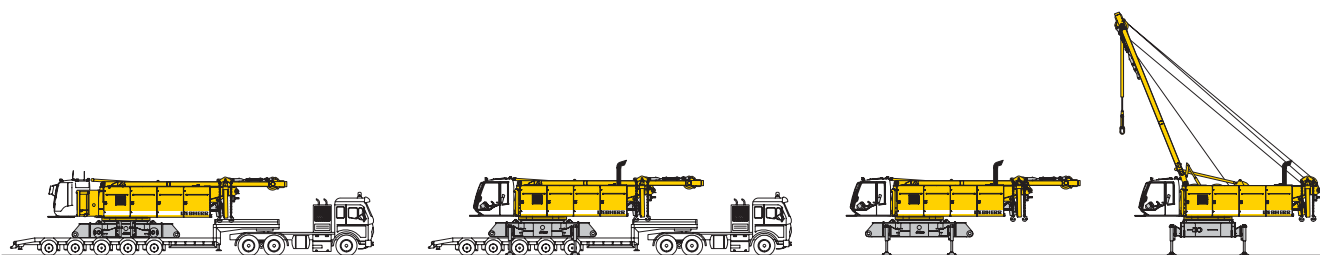


Max. Kombination — 109 m
Hauptausleger No. 2821.xx - 83 m
Feststehender Nadelausleger No. 1008.xx - 26 m

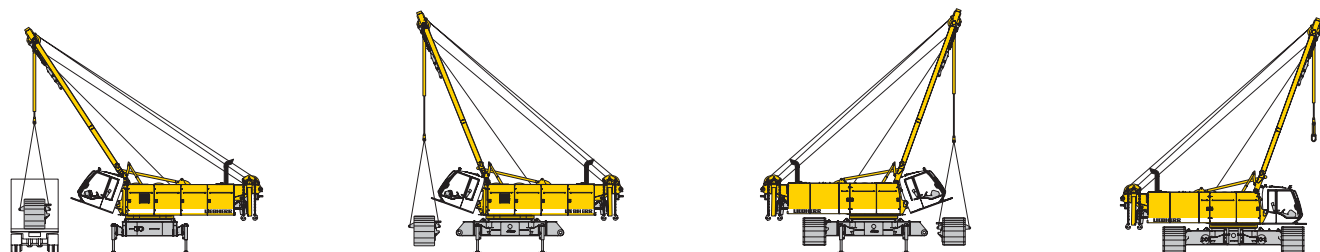
Auslegerkombinationen



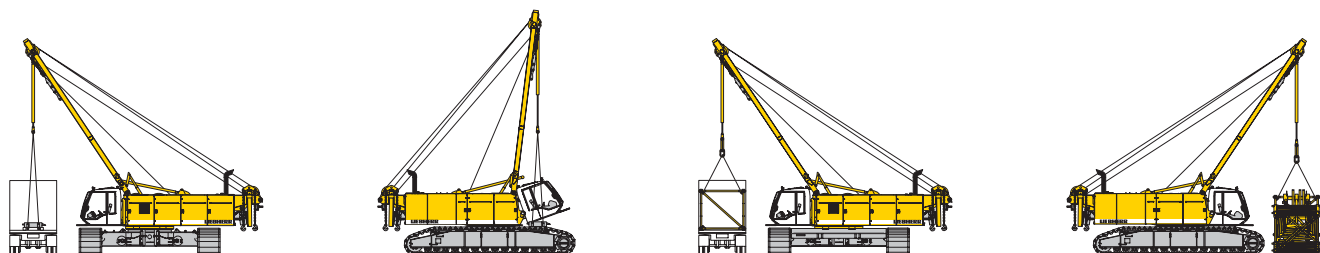
Selbstmontage-System



Entladung des Grundgerätes



Entladung und Anbau der Laufwerke



Entladung und Anbau des Zentralballastes

Entladung und Zusammenbau des Auslegers

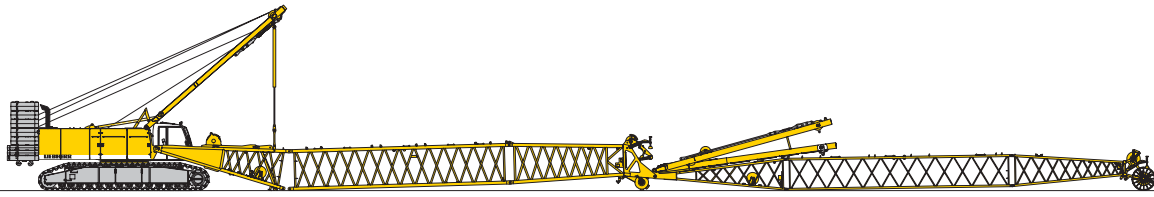


Entladung, Zusammen- und Anbau des Gegengewichtes

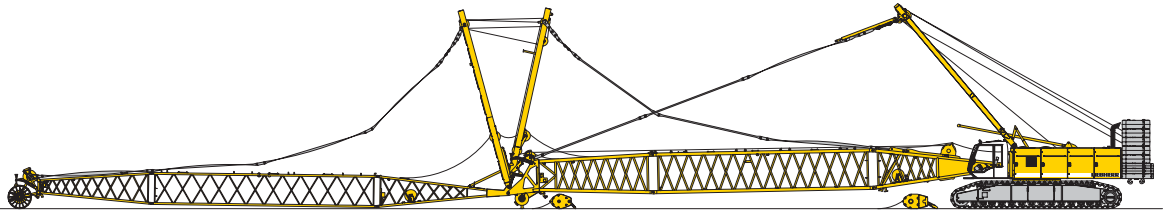


Entladung und Anbau des Auslegeranlenkstücks

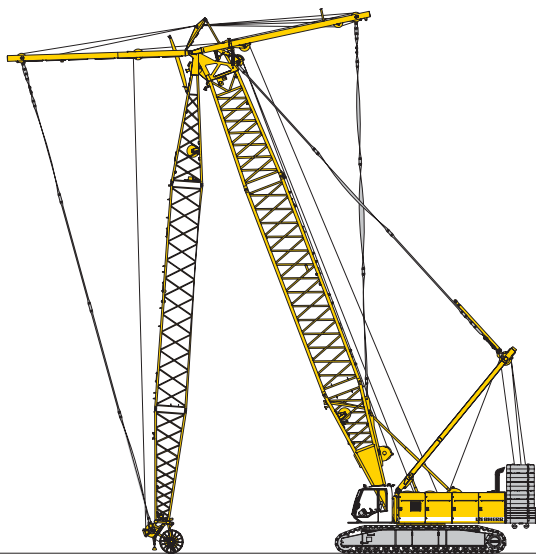
Ausleger aufrichten - Kran in Arbeitsposition



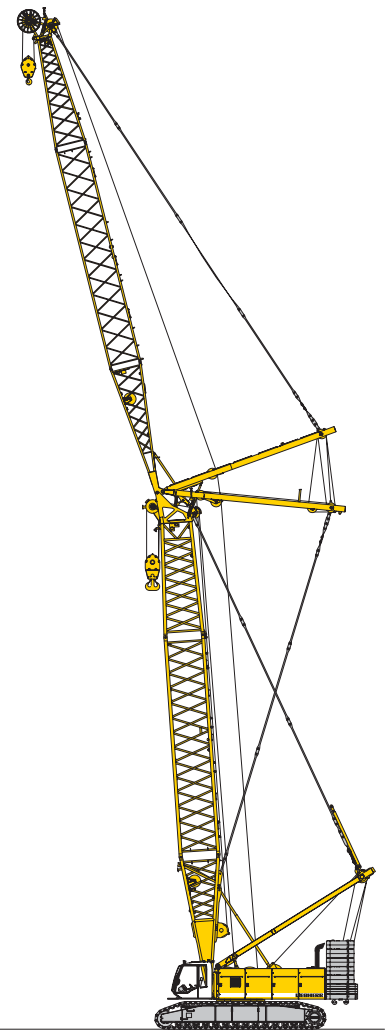
Anbau des Auslegers



Einziehen der Hub- und Nadelseile



Haupt- und Nadelausleger anheben



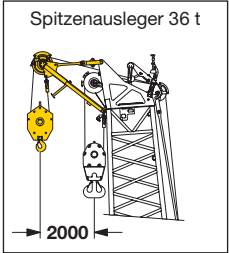
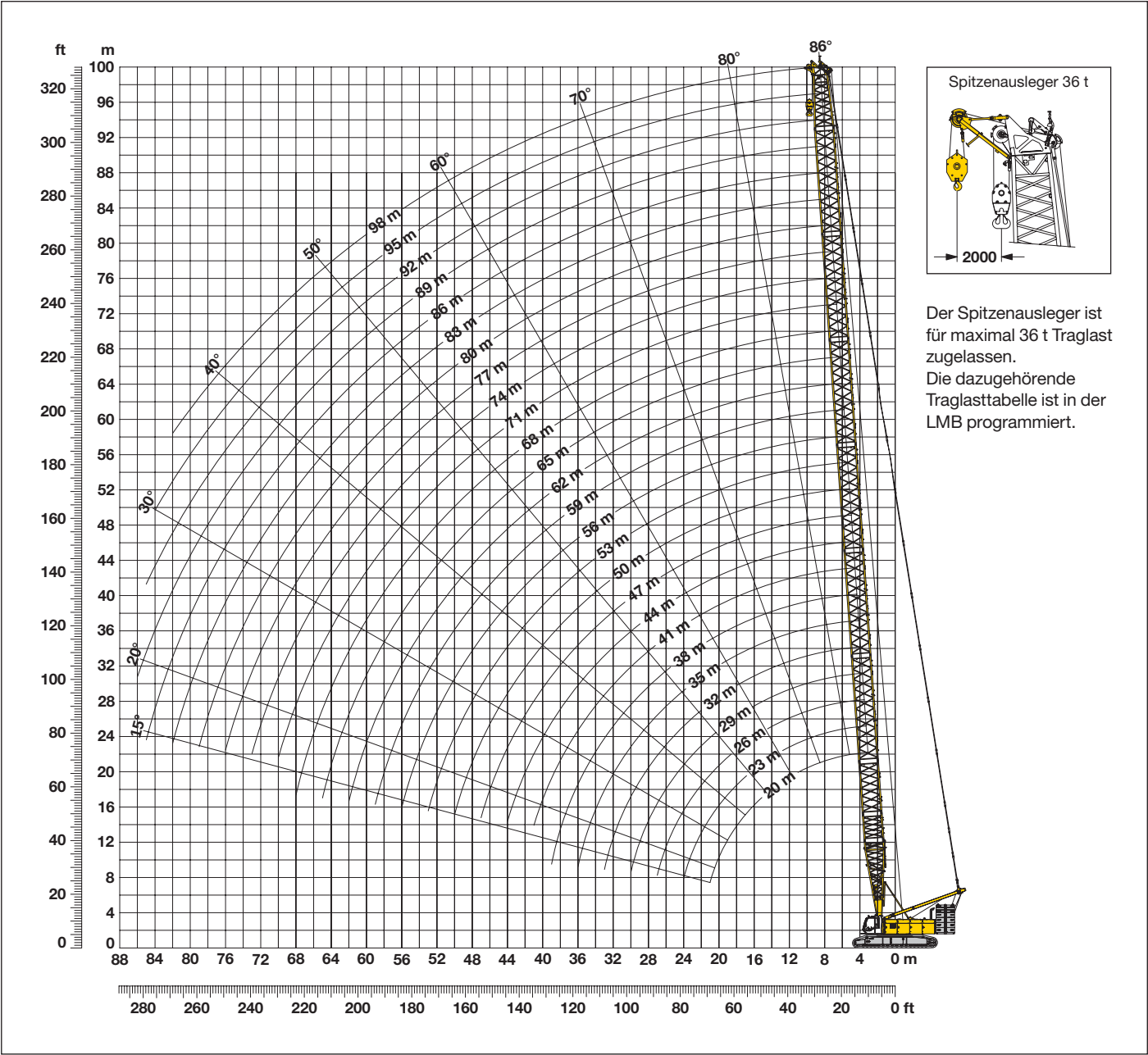
Kran in Arbeitsposition

Hauptausleger

(No. 2821.xx)

124 t Ballast und 57 t Zentralballast

86° - 15°



Der Spitzenausleger ist für maximal 36 t Traglast zugelassen. Die dazugehörige Traglasttabelle ist in der LMB programmiert.

Hauptausleger-Zusammenbau (Tabelle 1 – No. 2821.xx)

Hauptausleger-Zusammenbau für Auslegerlängen von 20 m bis 98 m																									
	Länge	Anzahl der Auslegerstücke																							
Anlenkstück	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	3 m	1		1		1			1			1		1		1		1		1		1		1	
Z-Stück	6 m		1	1			1		1			1		1			1		1		1		1		1
Z-Stück	12 m				1	1	1	1	1	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6
Kopfstück	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Auslegerlänge (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89

Traglasten Hauptausleger (No. 2821.xx)

104 t Ballast und 57 t Zentralballast

Radius (m)	Auslegerlänge (m)															Radius (m)
	20	23	26	32	38	44	50	56	62	68	74	80	86	92	95	
4.3	286.2	t	t	t	t	t	t	t	t	t	t	t	t	t	t	4.3
5	286.2	300.5	296.8													5
6	258.4	259.3	257.5	245.6	237.4	212.6										6
7	225.6	225.6	222.7	216.1	207.6	198.5	189.6	169.5								7
8	196.1	196.0	195.7	191.4	185.2	179.2	169.5	162.2	150.4	127.8						8
9	173.1	173.0	172.7	172.4	166.5	161.0	153.6	145.9	138.9	125.7	109.1	97.2	83.6			9
10	154.6	154.6	154.3	154.0	151.6	144.3	137.4	131.1	125.1	118.3	104.7	96.5	83.6	73.1	67.8	10
14	107.2	107.2	106.9	106.7	103.4	99.4	95.6	92.0	88.6	85.3	82.1	79.1	74.8	67.7	63.2	14
16	89.3	89.5	89.4	89.5	88.7	85.6	82.5	79.6	76.8	74.1	71.4	68.9	66.4	62.2	59.0	16
18	75.7	76.0	75.9	76.0	75.7	74.9	72.3	69.9	67.4	65.2	62.9	60.7	58.6	56.5	54.5	18
20	65.4	65.7	65.7	65.7	65.4	65.2	64.1	62.0	59.9	57.9	55.9	54.0	52.1	50.3	49.4	20
24		51.0	51.1	51.2	50.9	50.6	50.2	49.8	48.4	46.8	45.2	43.7	42.1	40.6	39.8	24
26			45.7	45.9	45.6	45.3	44.8	44.5	44.0	42.5	41.0	39.6	38.1	36.7	36.0	26
32				34.2	34.0	33.8	33.3	32.9	32.4	31.9	31.4	30.2	29.0	27.8	27.2	32
38					26.3	26.2	25.8	25.4	24.8	24.4	23.8	23.3	22.5	21.5	21.0	38
44						20.7	20.4	20.0	19.5	19.0	18.5	18.0	17.4	16.8	16.2	44
50							16.3	16.0	15.5	15.1	14.6	14.1	13.5	13.0	12.7	50
55								13.4	13.0	12.5	12.0	11.5	10.9	10.4	10.1	55
60									10.7	10.3	9.8	9.3	8.7	8.2	7.9	60
65										8.5	8.0	7.5	6.9	6.4	6.1	65
70											6.4	5.9	5.3	4.8	4.6	70
75												4.6	4.0	3.4	3.0	75
80													2.6			80

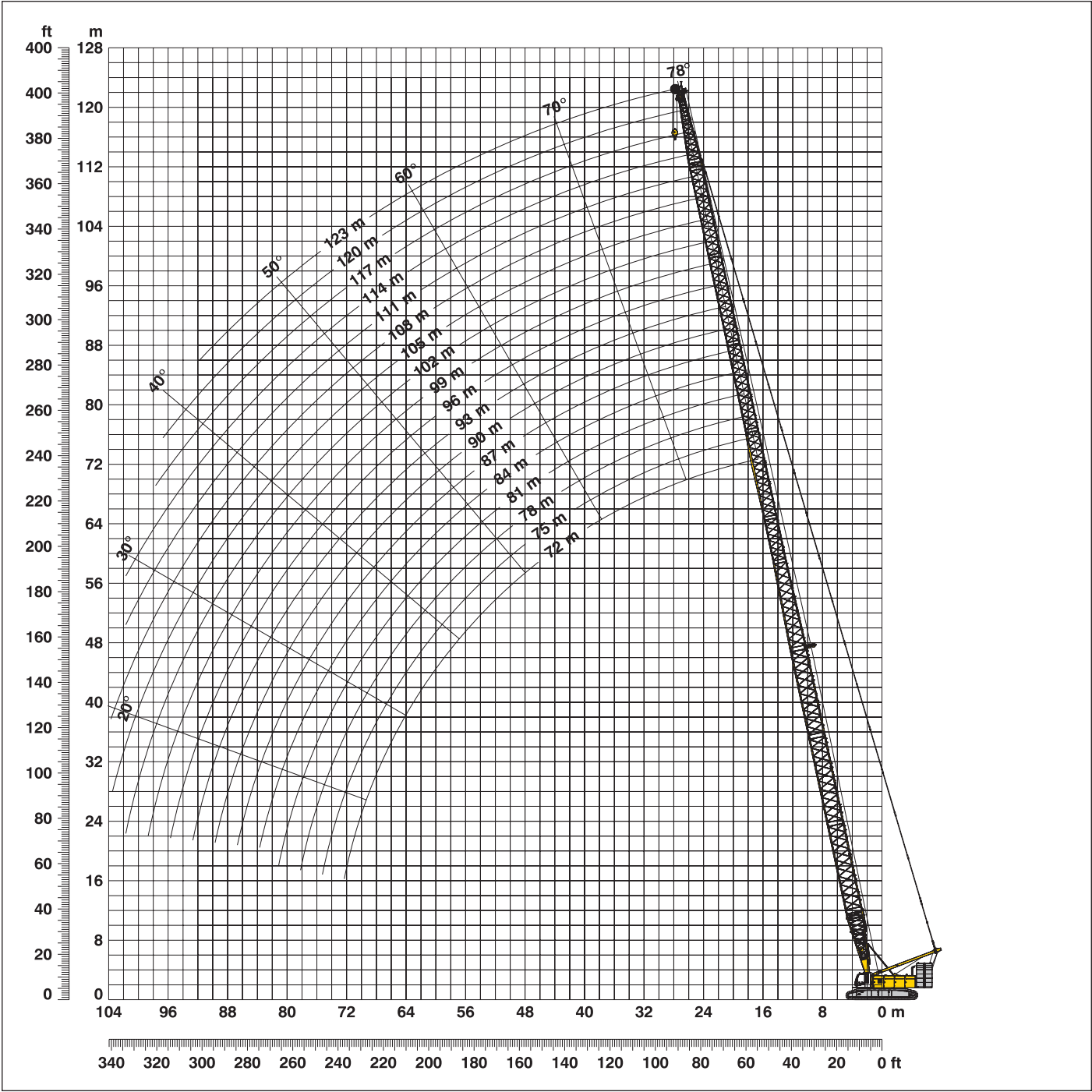
Traglasten Hauptausleger (No. 2821.xx)

124 t Ballast und 57 t Zentralballast

Radius (m)	Auslegerlänge (m)															Radius (m)
	20	23	26	32	38	44	50	56	62	68	74	80	86	92	98	
6.8								169.5								6.8
8							169.5	162.2	150.4	127.8						8
9					166.5	161.0	155.0	147.0	139.3	125.7	109.1	97.2	83.6			9
10				156.8	152.7	146.4	140.8	135.7	128.8	118.3	104.7	96.5	83.6	73.1	63.7	10
12	136.9	136.9	134.9	133.1	127.8	124.7	120.3	114.9	110.0	105.1	96.1	90.9	79.5	70.8	62.7	12
14	115.7	115.7	115.4	113.1	110.9	107.0	103.6	100.4	95.6	90.8	84.1	82.3	74.8	67.7	59.8	14
16	99.7	99.8	99.5	98.5	96.1	94.4	90.6	87.3	84.2	80.7	75.1	72.7	67.4	62.2	57.0	16
18	86.0	86.2	86.2	86.2	84.7	83.1	80.9	77.2	74.4	71.5	67.9	65.8	61.7	57.1	52.6	18
20	74.3	74.7	74.7	74.7	74.4	74.0	72.1	69.6	66.7	63.9	60.9	59.2	56.8	53.2	49.0	20
22		65.6	65.6	65.7	65.4	65.1	64.7	63.0	60.8	57.9	55.1	53.4	51.3	48.8	46.3	22
24		58.2	58.3	58.4	58.1	57.9	57.4	57.0	55.4	53.1	50.5	48.6	46.5	44.4	42.1	24
26			52.3	52.4	52.1	51.9	51.4	51.1	50.6	48.7	46.5	44.8	42.6	40.6	38.5	26
32				39.4	39.2	39.0	38.5	38.1	37.6	37.1	36.6	35.5	33.8	32.2	30.4	32
38					30.6	30.5	30.0	29.7	29.1	28.7	28.1	27.6	27.0	25.9	24.6	38
44						24.4	24.0	23.7	23.2	22.7	22.1	21.6	21.1	20.5	19.6	44
50							19.5	19.2	18.7	18.2	17.7	17.2	16.6	16.1	15.5	50
55								16.2	15.8	15.3	14.8	14.3	13.8	13.2	12.6	55
60									13.4	13.0	12.4	11.9	11.3	10.8	10.2	60
65										10.9	10.4	9.9	9.3	8.7	7.9	65
70											8.6	8.1	7.4	6.7	5.9	70
75												6.3	5.6	5.0	4.2	75
80													4.1	3.4	2.7	80
85													2.7	2.1		85

Leichtausleger (No. 2821/2316.xx) 72 m - 123 m

Arbeitsbereich 78° - 15°



Leichtauslegerzusammenbau mit 46 m Hauptausleger (No. 2821/2316.xx)

Auslegerzusammenbau für Leichtauslegerlängen von 72 m bis 123 m																			
	Länge	Anzahl der Haupt- und Nadelauslegerstücke																	
Anlenkstück	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Z-Stück	12 m	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Reduzierstück	12 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3 m	1		1		1		1		1		1		1		1		1	
Nadel-Z-Stück	6 m		1	1			1	1			1	1			1	1			1
Nadel-Z-Stück	12 m				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4
Nadel-Z-Stück	1 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nadelkopf	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Max. Auslegerlänge (m)		72	75	78	81	84	87	90	93	96	99	102	105	108	111	114	117	120	123

Traglasten - Leichtausleger (No. 2821/2316.xx)

Hauptausleger 46 m

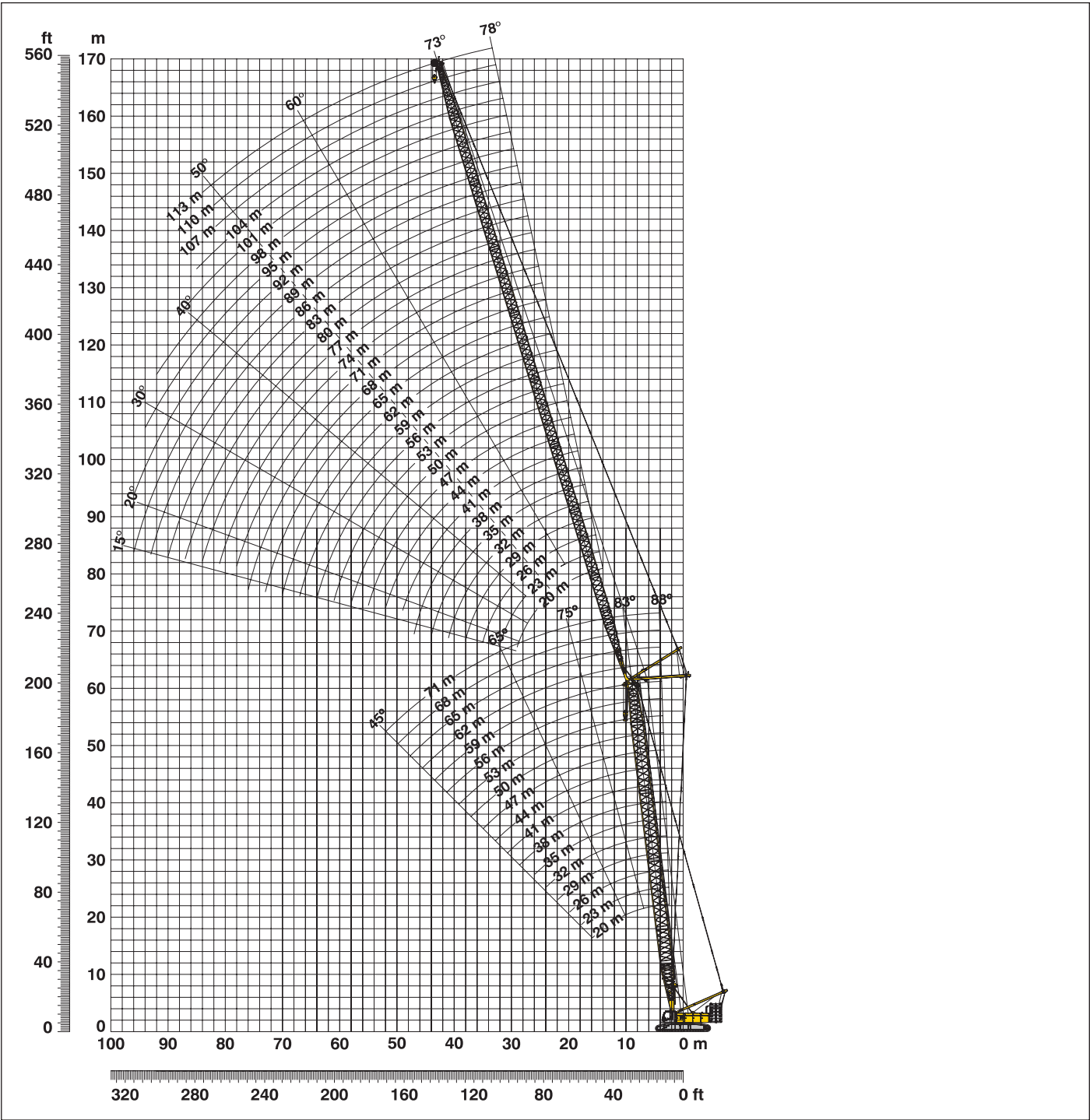
Radius	Leichtauslegerlängen (m)															Radius
	72	84	87	90	93	96	99	102	105	108	111	114	117	120	123	
(m)	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	(m)
17.2	53.7															17.2
20	46.0	42.2														20
22	41.4	38.5	37.7	36.4	35.0											22
24	38.1	34.9	34.2	33.4	32.7	31.0	30.5	28.5								24
26	35.5	32.0	31.3	30.4	29.8	28.7	28.6	27.2	26.0	24.4	22.5	20.7				26
28	33.4	29.8	29.1	28.1	27.4	26.5	26.2	25.1	24.2	23.1	21.6	20.0	17.3	16.8	15.8	28
30	31.7	28.0	27.3	26.3	25.6	24.8	24.3	23.3	22.5	21.6	20.4	19.1	16.8	16.3	15.3	30
32	29.4	26.5	25.7	24.8	24.1	23.5	22.8	21.9	21.1	20.3	19.3	18.1	16.2	15.7	14.8	32
34	27.2	25.2	24.4	23.5	22.8	22.1	21.5	20.8	20.0	19.3	18.4	17.4	15.8	15.2	14.3	34
36	25.4	23.9	23.4	22.4	21.7	21.0	20.3	19.6	18.9	18.3	17.6	16.7	15.4	14.8	13.9	36
38	24.0	22.2	21.9	21.4	20.8	20.1	19.3	18.6	18.0	17.3	16.7	16.0	15.0	14.5	13.5	38
40	22.4	20.8	20.4	19.9	19.6	19.3	18.5	17.8	17.1	16.5	15.9	15.2	14.3	13.9	13.2	40
42	20.9	19.6	19.2	18.6	18.3	18.0	17.6	17.1	16.4	15.8	15.2	14.4	13.7	13.3	12.6	42
44	19.7	18.6	18.1	17.5	17.2	16.8	16.5	16.1	15.7	15.2	14.5	13.8	13.2	12.7	12.0	44
46	18.6	17.5	17.2	16.6	16.2	15.8	15.4	15.1	14.7	14.3	14.0	13.2	12.7	12.1	11.5	46
48	17.6	16.4	16.1	15.7	15.4	14.9	14.5	14.1	13.8	13.4	13.1	12.6	12.3	11.7	11.1	48
50	16.5	15.4	15.2	14.7	14.5	14.2	13.8	13.3	12.9	12.6	12.3	11.8	11.6	11.2	10.8	50
55	14.4	13.5	13.2	12.6	12.5	12.2	11.9	11.6	11.3	10.9	10.6	10.1	9.8	9.5	9.2	55
60	12.5	11.7	11.5	11.0	11.0	10.6	10.3	10.0	9.7	9.4	9.2	8.8	8.5	8.2	7.9	60
65	11.0	10.3	10.0	9.6	9.5	9.3	9.1	8.7	8.4	8.1	7.8	7.4	7.2	7.0	6.8	65
70	9.4	8.9	8.8	8.5	8.3	8.0	7.7	7.5	7.3	7.0	6.8	6.4	6.1	5.9	5.6	70
75		7.8	7.6	7.3	7.3	7.0	6.7	6.4	6.2	6.0	5.8	5.5	5.2	5.0	4.7	75
80		6.7	6.6	6.3	6.3	6.0	5.8	5.5	5.4	5.1	4.9	4.5	4.3	4.2	3.9	80
85			5.6	5.4	5.4	5.2	4.9	4.6	4.6	4.3	4.1	3.8	3.6	3.4	3.1	85
90					4.5	4.4	4.2	3.9	3.8	3.5	3.4	3.1	3.0	2.8	2.5	90
95							3.5	3.2	3.2	2.9	2.7	2.4	2.0	2.1		95
100								2.6	2.4	2.3	2.2					100

Verstellb. Nadelausleger

(No. 2316.xx)

78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 20 m - 71 m – siehe Tabelle 1, Seite 12
Konfiguration mit verstellbarem Nadelausleger (20 m - 113 m)

	Länge	Anzahl der Nadelauslegerstücke																															
Anlenkstück	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Nadel-Z-Stück	3 m		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		
Nadel-Z-Stück	6 m			1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1		
Nadel-Z-Stück	12 m				1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	
Kopfstück	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Nadellänge (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113

Traglasten - verstellb. Nadelausleger (No. 2316.xx)

Hauptausleger 88°

Hauptausleger 20 m

Radius	20	41	Nadellänge (m)					
(m)	t	t	53	65	77	89	101	113
12.4	t	68.7	t	t	t	t	t	t
15		53.8	48.9					
18	43.5	39.7	38.7	36.4				
20	36.9	33.6	32.4	31.7	26.4			
22	31.6	28.4	27.5	27.6	25.6			
24		25.5	24.4	23.4	22.0	18.0		
26		22.8	21.3	20.3	19.5	17.0	12.8	
28		20.7	19.2	18.2	17.1	16.0	12.6	9.1
32		17.5	16.2	14.8	14.5	12.8	12.0	8.7
36		14.9	13.9	12.6	11.4	10.5	9.3	8.0
42		12.1	11.2	9.7	8.7	7.5	6.7	5.6
50			8.5	7.3	6.1	5.1	4.1	3.5
55				6.2	5.0	3.9	3.0	2.5
65				4.4	3.4	2.6		
70					2.9	2.2		
75					2.4			

Hauptausleger 32 m

Radius	20	41	Nadellänge (m)					
(m)	t	t	53	65	77	89	101	113
12.8	t	71.8	t	t	t	t	t	t
13	86.9	71.8						
16	65.2	61.7	50.2					
18	55.1	51.9	47.5	34.8				
22	40.6	38.1	36.5	32.7	24.5			
24		33.5	32.3	29.9	23.6			
26		30.3	28.8	27.0	22.8	16.5	12.1	
28		27.5	26.1	24.9	21.6	16.2	11.9	8.5
32		23.6	22.1	20.8	19.8	15.4	11.4	8.2
36		20.5	19.1	18.0	16.6	14.7	10.8	7.8
42		17.2	15.8	14.5	13.4	11.7	9.9	7.2
55			11.0	9.8	8.6	7.3	6.3	5.0
65				7.4	6.2	5.1	3.9	3.1
70					5.4	4.1	3.1	2.2
75					4.6	3.3	2.3	
85						2.2		

Hauptausleger 41 m

Radius	20	41	Nadellänge (m)					
(m)	t	t	53	65	77	89	101	113
8.8	117.0	t	t	t	t	t	t	t
14	74.3	66.2						
16	61.8	57.0	46.7					
19	48.7	45.1	42.0	32.7				
22	39.4	36.1	34.0	30.7	23.3			
24		31.9	30.3	28.3	22.4	16.1		
26		28.9	27.2	25.3	21.8	15.8	11.5	
30		24.4	22.9	21.3	19.1	15.1	11.2	8.1
34		21.2	19.6	18.2	16.7	14.0	10.7	7.7
38		18.7	17.2	15.9	14.3	12.8	10.2	7.3
44		14.5	14.3	13.0	11.7	10.1	8.8	6.8
55			10.7	9.4	8.2	6.8	5.8	4.5
65				7.2	5.9	4.7	3.6	3.0
70					5.1	3.8	2.8	2.4
75					4.4	3.1	2.1	
80						2.5		

Hauptausleger 53 m

Radius	20	41	Nadellänge (m)					
(m)	t	t	53	65	77	89	101	113
9.2	95.0	t	t	t	t	t	t	t
14	65.6	55.3						
16	55.8	49.2	41.2					
19	44.7	40.0	36.8	29.0				
22	36.7	32.9	30.3	26.9	20.5			
24	15.1	29.3	27.2	24.8	20.0	14.7		
28		24.5	22.6	20.5	17.9	14.3	10.6	
30		22.7	21.0	18.9	16.6	14.0	10.5	7.4
36		18.6	17.0	15.3	13.4	11.8	9.5	7.0
40		16.7	15.1	13.4	11.6	10.3	8.7	6.5
44		15.0	13.4	11.8	10.3	8.9	7.7	6.0
55			10.1	8.6	7.2	6.0	4.9	3.6
65				6.6	5.3	4.2	3.0	
70					4.6	3.4	2.3	
75					3.9	2.7		
80						2.2		

Hauptausleger 59 m

Radius	20	41	Nadellänge (m)					
(m)	t	t	53	65	77	89	101	113
9.2	95.0	t	t	t	t	t	t	t
14	65.6	55.3						
16	55.8	49.2	41.2					
19	44.7	40.0	36.8	29.0				
22	36.7	32.9	30.3	26.9	20.5			
24	15.1	29.3	27.2	24.8	20.0	14.7		
28		24.5	22.6	20.5	17.9	14.3	10.6	
30		22.7	21.0	18.9	16.6	14.0	10.5	7.4
36		18.6	17.0	15.3	13.4	11.8	9.5	7.0
40		16.7	15.1	13.4	11.6	10.3	8.7	6.5
44		15.0	13.4	11.8	10.3	8.9	7.7	6.0
55			10.1	8.6	7.2	6.0	4.9	3.6
65				6.6	5.3	4.2	3.0	
70					4.6	3.4	2.3	
75					3.9	2.7		
80						2.2		

Hauptausleger 71 m

Radius	41	44	Nadellänge (m)					
(m)	t	t						
14.2	39.2	t						
15	39.2	36.8						
18	34.0	33.5						
20	30.4	29.6						
24	24.4	24.1						
26	22.5	22.0						
28	20.8	20.4						
30	19.4	19.0						
32	18.3	17.8						
34	17.2	16.9						
36	16.1	15.9						
38	15.3	15.0						
40	14.5	14.2						
42	13.8	13.5						
44	13.1	12.9						
48		8.2						

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 2316.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 2316.xx)

Hauptausleger 83°

Hauptausleger 20 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
11.5	110.4							
18	54.0	51.7						
22	37.4	36.0	37.1					
24	31.9	30.3	30.5					
26		27.1	27.1	28.4				
30		21.3	20.8	20.8	21.9			
32		19.6	18.9	18.5	19.0	16.4		
36		16.7	15.6	15.1	14.8	14.7	11.6	
40		14.5	13.6	12.7	11.9	12.5	10.8	8.0
42		13.5	12.5	11.5	10.9	10.8	9.9	7.9
44		12.5	11.6	10.6	9.9	9.4	9.3	7.7
48			10.2	9.2	8.2	7.5	7.1	7.3
55			8.1	7.2	6.1	5.1	4.5	4.0
65				5.0	4.0	3.0	2.1	2.2
70					3.3	2.2		
75					2.6			

Hauptausleger 32 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
13	104.7							
20	64.3	60.7						
24	45.8	49.2	44.1					
26	39.8	44.0	41.5					
28		39.5	39.1	31.1				
30		35.4	35.9	30.3	22.6			
34		29.5	30.6	28.3	22.0	15.7		
38		24.9	25.2	26.3	21.0	15.1	11.0	
42		21.6	21.5	22.2	20.0	14.5	10.6	7.6
44		20.2	19.9	20.2	19.7	14.2	10.4	7.4
46		18.7	18.5	18.6	18.4	13.9	10.2	7.2
55			13.8	13.4	13.1	11.5	9.3	6.5
65				9.8	9.2	8.6	7.4	5.6
80					5.4	4.6	4.1	3.9
85						3.8	2.9	2.7
90						2.9	2.1	

Hauptausleger 41 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
14	91.7							
22	54.3	54.4						
24	45.9	50.1	41.8					
26	41.2	43.6	40.9					
28		39.2	39.2	29.6				
32		31.9	32.6	28.6	21.4			
36		27.1	27.4	26.1	20.7	14.9		
38		25.0	25.0	24.9	20.3	14.7	10.6	
42		21.7	21.5	21.8	19.4	14.1	10.3	7.2
44		20.4	20.0	19.9	19.0	13.7	10.1	7.2
46		19.1	18.6	18.3	18.5	13.4	9.9	7.0
55			14.0	13.3	12.9	11.3	9.0	6.3
70				8.4	7.7	6.9	6.3	4.8
80					5.5	4.5	4.0	3.8
85						3.7	3.0	2.7
90						2.9	2.1	

Hauptausleger 53 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
15.5	75.8							
22	53.2	47.4						
26	40.8	41.4	35.8					
28	36.9	36.9	34.6					
30		33.6	33.3	26.4				
34		28.1	27.7	25.1	18.8			
36		26.2	25.7	23.9	18.4	13.7		
40		22.6	21.9	21.0	17.6	13.4	9.8	
44		19.9	19.1	18.3	16.4	12.9	9.5	6.7
48		17.5	16.7	15.7	15.3	12.3	9.1	6.4
55			13.7	12.6	11.6	10.9	8.4	5.9
60			11.8	10.8	9.9	9.1	7.9	5.5
70				8.1	7.1	6.4	5.4	4.2
80					5.2	4.3	3.6	2.7
85						3.6	2.7	
95						2.1		

Hauptausleger 59 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
16.2	68.5							
24	45.2	40.2						
26	40.1	37.7	31.9					
28	36.5	34.5	31.1					
30		32.1	29.7	24.3				
34		27.1	26.0	23.0	17.7			
38		23.5	22.7	20.7	17.0	13.0		
40		21.9	21.0	19.5	16.6	12.8	9.4	
44		19.3	18.5	17.2	15.2	12.3	9.1	6.3
46		18.2	17.3	16.0	14.6	12.0	8.9	6.3
48		17.2	16.2	14.9	14.1	11.6	8.7	6.1
60			11.6	10.3	9.3	8.5	7.7	5.2
70				7.8	6.8	5.9	5.0	3.9
80					5.0	4.0	3.2	2.2
85						3.3	2.4	
90						2.6		

Hauptausleger 71 m

Radius	Nadellänge (m)							
	41	44						
(m)	t	t						
23.8	31.1							
24	31.1							
26	29.9	29.0						
28	28.4	27.6						
30	26.9	26.2						
32	25.6	24.9						
34	23.9	23.7						
36	22.5	22.1						
38	21.3	20.9						
40	20.0	19.8						
42	18.7	18.6						
44	17.7	17.5						
46	16.8	16.5						
48	15.9	15.7						
50	15.1	14.9						

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 2316.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch

Hauptausleger 75°

Hauptausleger 20 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
18	76.9							
26	35.9	36.9						
32		24.9	26.3					
36		20.3	20.4	20.1				
38		18.7	18.3	18.9				
42		16.1	15.2	15.2	15.1			
44		14.9	14.2	14.0	14.7			
46		13.7	13.1	12.6	13.0	10.9		
48		12.3	12.2	11.5	11.7	10.8		
50			11.4	10.7	10.5	10.0		
55			9.7	8.9	8.2	8.0	7.4	
60				7.5	6.7	6.0	5.8	5.0
65				6.3	5.4	4.6	4.2	3.8
70				5.0	4.4	3.5	2.8	2.9
75					3.5	2.5		
80					2.7			

Hauptausleger 32 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
20	68.9							
30	45.1	42.4						
34		37.3	33.9					
40		31.1	29.5	26.8				
44		27.6	26.5	24.7	19.7			
50		23.1	22.7	21.4	19.2	13.8		
55			20.0	19.2	17.4	13.4	9.5	
60			17.2	16.9	15.8	12.7	9.3	6.3
65				15.0	14.1	11.8	8.9	6.1
70				12.8	12.4	11.1	8.6	5.8
75					11.0	9.8	8.3	5.5
80					9.3	8.6	7.6	5.2
85					7.5	7.6	6.6	4.9
90						6.3	5.8	3.3
95						4.9	4.9	
105							2.7	

Hauptausleger 41 m

Radius (m)	Nadellänge (m)							
	20	41	53	65	77	89	101	113
22.3	58.3							
32	41.1	36.0						
38		30.1	28.9					
42		27.2	26.1	23.5				
48		23.5	22.6	20.8	18.7			
50		22.6	21.6	19.8	18.1			
55			19.2	17.7	16.2	13.1		
60			17.1	15.9	14.3	12.3	9.1	
65			14.9	14.4	13.0	11.2	8.7	6.0
70				12.9	11.8	10.2	8.3	5.7
75				11.6	10.6	9.3	7.7	5.5
80					9.3	8.2	7.2	5.1
85					8.2	7.1	6.1	4.9
90						6.2	5.1	4.0
95						5.3	4.2	2.6
110							2.0	

Hauptausleger 50 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
25.4	46.5							
36	15.1	29.7						
40		26.4	23.9					
46		22.9	21.0	18.8				
48		21.8	20.0	18.2				
50		21.0	19.1	17.2	14.8			
55		18.8	17.2	15.4	13.6	11.6		
60			15.6	14.0	12.2	10.9	8.5	
65			14.2	12.6	11.0	9.8	8.4	5.5
70				11.5	9.9	8.7	7.5	5.4
75				10.4	8.9	7.9	6.6	5.1
80					8.1	7.0	5.9	4.4
85					7.0	5.9	4.9	3.7
90					6.1	5.1	4.0	2.9
95						4.2	3.2	2.1
100						3.4	2.4	

Hauptausleger 59 m

Radius	Nadellänge (m)							
	20	41	53	65	77	89	101	113
(m)	t	t	t	t	t	t	t	t
28	40.7							
36	31.7	27.2						
42		23.6	21.7					
46		21.5	19.7	17.0				
48		20.5	18.8	16.9				
50		19.6	17.9	16.1				
55		17.9	16.2	14.4	12.7			
60			14.6	12.9	11.3	10.0		
65			13.4	11.7	10.1	8.9	7.5	
70				10.6	9.2	7.9	6.6	4.9
75				9.7	8.2	7.1	5.7	4.2
80				8.5	7.4	6.3	5.0	3.5
85					6.4	5.3	4.2	2.9
90					5.5	4.5	3.3	2.2
95						3.6	2.6	
100						2.9		

Hauptausleger 71 m

Radius	Nadellänge (m)						
(m)	41	44					
	t	t					
38.9	20.8						
40	21.5						
42	20.5	20.2					
44	19.5	19.2					
46	18.6	18.3					
48	17.9	17.5					
50	17.1	16.8					
55	15.4	15.1					
60	14.1	13.8					

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 2316.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch

Traglasten - verstellb. Nadelausleger (No. 2316.xx)

Hauptausleger 65°

Hauptausleger 20 m

Radius	Nadellänge (m)							
(m)	20	41	53	65	77	89	101	113
24	t	t	t	t	t	t	t	t
26	51.5							
30	42.1							
36	30.2							
42		22.3						
48		15.8	15.6					
50		12.3	12.3					
55		11.3	11.0	11.2				
60			8.9	8.7				
65			7.5	6.9	6.7			
70				5.6	5.2	4.8		
75				4.6	3.9	3.5	2.8	
80					3.0	2.6	2.1	
					2.4			

Hauptausleger 32 m

Radius	Nadellänge (m)							
(m)	20	41	53	65	77	89	101	113
30	t	t	t	t	t	t	t	t
36	43.1							
42	15.1							
48		27.1						
55		22.9	21.9					
65		19.1	18.3	17.4				
70			14.5	13.7	12.7			
75				12.2	11.3	10.1		
85				10.9	9.9	8.8	7.6	
90					7.5	6.5	5.4	4.3
95					6.5	5.5	4.4	3.3
100						4.6	3.6	2.5
105						3.8	2.8	
						2.1		

Hauptausleger 41 m

Radius	Nadellänge (m)							
(m)	20	41	53	65	77	89	101	113
34	t	t	t	t	t	t	t	t
38	35.0							
44	30.5							
55		22.8						
60		17.8	16.9					
65		15.1	15.0	14.0				
70			13.4	12.4	11.3			
75			12.0	11.0	9.8			
80				9.6	8.5	7.3		
85				8.4	7.3	6.2	5.0	
90					5.4	4.3	3.2	2.0
95						3.5	2.4	
105						2.1		

Hauptausleger 53 m

Radius	Nadellänge (m)							
(m)	20	41	53	65	77	89	101	
37	t	t	t	t	t	t	t	
44	28.4							
50	23.1							
60		18.0						
65		14.0	13.0					
70		12.5	11.4	10.1				
75			10.0	8.8	7.5			
80			8.7	7.6	6.4			
85				6.6	5.4	4.2		
90				5.6	4.5	3.3	2.1	
95					3.7	2.5		
100					2.9			
					2.3			

Hauptausleger 59 m

Radius	Nadellänge (m)						
(m)	20	41	53	65	77	89	
39.6	t	t	t	t	t	t	
46	24.5						
55	20.6						
60		14.6					
65		12.9	11.6				
70		11.3	10.1				
75			8.8	7.6			
80			7.7	6.5	5.2		
85				5.5	4.3	3.0	
90				4.6	3.5	2.2	
95				3.8	2.7		
					2.0		

Hauptausleger 71 m

Radius	Nadellänge (m)						
(m)	41	44					
56.7	t	t					
60	10.8						
65	10.1	9.9					
70	8.8	8.6					
75	7.6	7.5					
		6.4					

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 2316.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch

Traglasten - verstellb. Nadelausleger (No. 2316.xx)

Hauptausleger 45°

Hauptausleger 20 m

Radius	20	41	Nadellänge (m)						
(m)	t	t	t	t	t				
33.4	30.1								
36	32.3								
55		12.9							
65			8.5						
75				5.5					
80				4.0					
85					3.1				
90					2.2				

Hauptausleger 32 m

Radius	20	41	Nadellänge (m)						
(m)	t	t	t	t	t				
41.9	25.3								
44	23.8								
60		14.5							
65		12.9							
70			10.7						
75			9.4						
80				7.2					
85				6.2					
90					4.2				
100					2.7				

Hauptausleger 41 m

Radius	20	41	Nadellänge (m)						
(m)	t	t	t	t					
48.3	18.9								
50	18.0								
70		9.6							
80			6.3						
90				3.5					
95				2.8					

Hauptausleger 53 m

Radius	20	41	53	Nadellänge (m)					
(m)	t	t	t						
56.8	12.2								
60	11.2								
75		5.4							
80		4.6							
85			2.6						

Hauptausleger 59 m

Radius	20	41	Nadellänge (m)						
(m)	t	t							
61	9.0								
80		3.0							

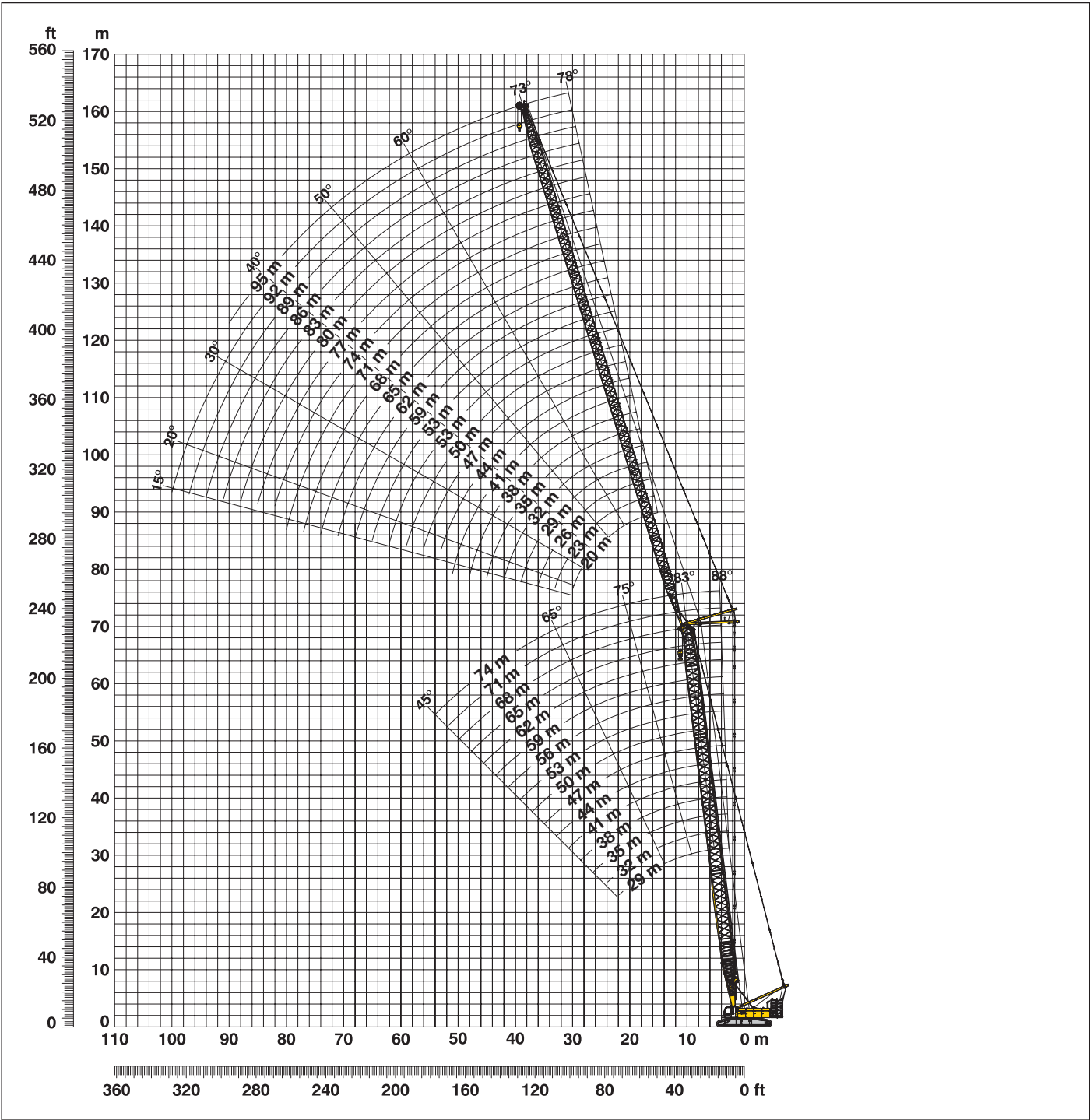
Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 2316.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch

Verstellb. Nadelausleger

(No. 1916.xx)

78° - 15°

Hauptausleger 88° - 45°



Auslegerzusammenbau für Hauptauslegerlängen von 29 m - 74 m – siehe Tabelle 1, Seite 12

Konfiguration mit verstellbarem Nadelausleger (20 m - 95 m)

	Länge	Anzahl der Nadelauslegerstücke																									
Anlenkstück	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Nadel-Z-Stück	3 m		1		1		1		1		1		1		1		1		1		1		1		1	1	
Nadel-Z-Stück	6 m	1	1			1	1			1	1		1	1		1	1		1	1		1	1		1	1	
Nadel-Z-Stück	12 m			1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
Kopfstück	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Nadellänge (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 88°

Hauptausleger 29 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
13			46.5					
14			44.7	31.2				
15		50.3	42.6	30.7				
17		45.9	39.4	28.8	20.3			
18	51.5	44.2	37.6	27.7	19.9			
19	48.7	42.2	36.1	26.8	19.2	13.8		
22	38.5	37.5	32.6	24.6	17.8	13.0	9.1	
24		34.4	30.4	23.3	17.1	12.5	8.8	6.0
28		29.1	26.9	21.4	16.1	11.8	8.2	5.7
32		15.1	23.8	19.8	15.5	11.2	7.8	5.3
36			20.5	18.2	14.8	10.7	7.4	5.0
48				12.9	12.7	9.4	6.4	4.2
60					9.2	8.3	5.7	3.4
70						6.8	5.2	2.8
80							4.5	2.3
85								2.0

Hauptausleger 41 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
10.6		57.8						
11	69.6	57.8						
12	65.7	55.5	45.9					
15	55.4	49.2	41.0	29.6				
17	50.6	44.8	38.1	27.8	19.4			
20	43.6	39.7	33.9	25.4	18.2	13.2		
22	39.0	36.7	31.9	24.2	17.4	12.7	8.8	
26		30.5	28.1	22.0	16.2	11.8	8.3	5.7
28		27.8	26.4	21.1	15.7	11.5	8.0	5.5
32		24.2	23.2	19.7	15.1	10.9	7.6	5.2
38			19.4	17.2	14.2	10.3	7.0	4.7
48				13.2	12.3	9.2	6.3	4.1
60					9.5	8.2	5.6	3.4
70						6.9	5.1	2.8
80							4.5	2.3
85								2.1

Hauptausleger 53 m

Radius	23	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
9.8	63.6							
11	60.7	52.4						
13	54.1	50.0	42.0					
15	48.4	45.8	39.3	27.7				
18	42.1	40.4	35.5	25.9	18.3			
20	38.8	37.1	32.9	24.4	17.5	12.6		
24	32.2	31.3	28.8	22.3	16.1	11.7	8.3	
26	29.5	28.5	27.0	21.4	15.6	11.4	8.0	5.5
32		23.0	22.0	18.9	14.6	10.6	7.4	5.0
38			18.6	16.6	13.7	10.0	6.9	4.6
50				12.3	11.2	8.9	6.1	3.9
60					9.1	7.8	5.5	3.3
65						7.3	5.3	3.1
70						6.6	5.0	2.8
80							4.3	2.3
85							3.6	2.1

Hauptausleger 59 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
9.4	64.5							
12	54.8	48.9						
13	51.5	47.3	40.1					
15	46.4	43.7	37.9	26.6				
18	40.2	38.5	34.7	25.2	17.7			
20	36.9	35.5	32.2	23.8	17.1	12.2		
24	31.1	29.9	28.0	21.8	15.8	11.5	8.2	
26		27.4	26.0	20.9	15.3	11.1	7.9	5.4
30		23.8	22.8	19.3	14.6	10.6	7.4	5.1
32		22.4	21.3	18.5	14.3	10.4	7.2	4.9
38			18.1	16.2	13.4	9.8	6.7	4.5
50				12.2	10.8	8.7	5.9	3.8
60					8.8	7.5	5.4	3.3
70						6.3	4.9	2.8
80							4.2	2.2
85							3.3	2.0

Hauptausleger 68 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
9.7	56.6							
12	50.3	43.9						
13	47.5	43.1	36.7					
16	40.4	38.9	34.4	24.8				
18	36.9	35.4	32.7	23.8	16.6			
22	31.5	29.8	28.6	21.8	15.7	11.5		
24	29.1	27.6	26.4	20.9	15.1	11.0	7.8	
28		23.6	22.8	19.6	14.4	10.5	7.4	5.1
32		20.9	20.0	17.6	13.8	10.0	7.0	4.8
38			17.1	15.3	12.7	9.4	6.6	4.4
50				11.6	10.1	8.5	5.8	3.7
60					8.2	7.0	5.3	3.2
65						6.4	4.9	3.0
70						5.8	4.6	2.7
80							3.8	2.2
85							3.4	

Hauptausleger 74 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	53			
9.9	51.7							
12	47.6	40.4						
13	45.0	40.1	34.3					
16	38.2	36.6	32.7	23.5				
17	36.4	34.9	31.7	23.3	19.1			
18	34.8	33.3	31.0	22.8	19.0			
19	33.5	32.0	30.1	22.4	18.6			
20	32.1	30.8	28.9	21.8	18.2			
22	29.8	28.1	27.2	20.9	17.6			
24	27.8	26.1	25.1	20.1	17.0			
28		22.5	21.6	18.9	16.2			
32		20.1	19.0	16.9	15.5			
38			16.4	14.6	13.3			
46				12.1	11.0			
50				11.1	10.2			
55					9.2			

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 83°

Hauptausleger 29 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
12.6	76.5	t	t	t	t	t	t	t
16	65.5	53.3						
17	61.4	50.8	42.1					
22	47.0	41.3	35.3	26.0				
24	41.3	38.6	33.1	24.6	17.5			
26	15.1	36.1	31.1	23.5	17.2			
28		33.8	29.6	22.6	16.7	12.1		
32		28.7	26.3	21.0	15.9	11.6	8.1	
34		25.4	24.9	20.4	15.6	11.3	7.9	
36			23.5	19.8	15.3	11.0	7.6	5.2
40			20.0	18.0	14.7	10.6	7.2	4.9
44				16.6	14.2	10.1	6.9	4.6
50				13.7	13.3	9.5	6.5	4.2
60					10.7	8.7	5.9	3.6
75						6.2	5.2	2.7
85							4.6	2.2

Hauptausleger 41 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
14	71.6	t	t	t	t	t	t	t
17	60.0	50.4						
19	53.8	47.1	39.2					
22	46.9	42.2	35.4	25.4				
26	39.3	37.0	31.4	23.6	16.8			
30		32.5	28.6	22.0	16.1	11.7		
34		27.8	25.5	20.5	15.4	11.2	7.8	
36		15.1	24.3	19.9	15.1	10.9	7.6	5.0
40			21.4	18.5	14.5	10.5	7.2	4.8
50				14.6	13.3	9.5	6.4	4.2
65					9.2	8.4	5.6	3.4
70						7.8	5.4	3.1
75						7.1	5.2	2.8
80							5.0	2.5
85							4.7	2.3
90								2.1

Hauptausleger 53 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
15.5	61.8	t	t	t	t	t	t	t
19	50.4	45.6						
20	47.6	44.3	36.4					
24	40.0	38.4	33.0	23.9				
28	35.3	34.1	29.9	22.5	16.1			
32		30.2	27.4	21.1	15.4	11.2		
34		28.4	25.9	20.4	15.1	10.9	7.5	
36		26.3	24.6	19.8	14.8	10.7	7.5	
38			23.5	19.2	14.6	10.5	7.3	4.8
42			20.8	17.9	14.0	10.1	6.9	4.6
50				15.2	13.2	9.4	6.4	4.1
55				11.0	12.7	9.0	6.1	3.9
65					10.1	8.3	5.6	3.4
75						7.3	5.1	2.8
85							4.7	2.3
90								2.1

Hauptausleger 59 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
16.2	57.5	t	t	t	t	t	t	t
19	48.8	43.5						
22	41.6	40.4	34.2					
26	36.1	35.1	31.0	22.7				
28	34.2	33.3	29.7	22.1	15.7			
32		29.5	27.2	20.9	15.2	10.9		
36		26.1	24.4	19.6	14.6	10.6	7.4	
38		24.2	23.2	19.0	14.3	10.4	7.2	
40			22.1	18.6	14.1	10.1	7.0	4.7
44			14.9	17.1	13.6	9.8	6.7	4.4
48				15.9	13.2	9.4	6.4	4.2
55				13.2	12.4	8.9	6.0	3.9
65					10.2	8.2	5.5	3.3
75						7.3	5.1	2.8
80							4.9	2.6
90							3.7	2.1

Hauptausleger 68 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
17.3	50.9	t	t	t	t	t	t	t
20	44.4	38.8						
22	39.8	37.6	31.9					
26	34.0	33.3	29.8	21.7				
30	30.6	29.9	27.5	20.8	14.9			
34		26.1	25.2	19.8	14.4	10.4		
36		24.7	23.7	19.1	14.1	10.2	7.1	
38		23.1	22.4	18.5	13.9	10.0	7.0	
40			21.3	18.0	13.7	9.8	6.8	4.5
44			19.1	16.7	13.2	9.5	6.6	4.3
55				13.1	11.7	8.7	5.9	3.8
65					9.9	7.9	5.4	3.3
70						7.6	5.2	3.0
80						5.0	4.8	2.5
85							4.5	2.3
90							4.3	2.1

Hauptausleger 74 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	80	
17.7	48.7	t	t	t	t	t	t	
22	39.5	36.5						
24	35.8	34.6	30.3					
26	33.5	32.8	29.3	21.2				
30	30.2	29.3	27.1	20.6	14.6			
34		25.6	24.8	19.5	14.2	10.3		
36		24.2	23.3	18.9	14.0	10.1	7.7	
38		22.8	22.0	18.3	13.7	9.9	7.7	
44			18.8	16.5	13.0	9.4	7.2	
50				14.5	12.4	8.9	6.8	
55				13.0	11.5	8.6	6.5	
60					10.8	8.2	6.2	
65					9.7	7.8	6.0	
70						7.5	5.7	
80						4.9	5.3	
85							4.9	

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 75°

Hauptausleger 29 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
19.2	64.5							
24	51.0	44.5						
26	47.2	41.8	35.3					
30	15.1	37.2	31.9					
32		34.8	30.4	22.9				
36		30.1	27.1	21.4	15.9			
38		27.1	25.7	20.7	15.6			
42			22.8	19.3	15.1	10.9		
44			21.2	18.4	14.8	10.6		
46				17.5	14.6	10.4	7.0	
55				13.9	13.4	9.6	6.4	4.2
60					12.5	9.2	6.1	3.9
75						7.8	5.4	3.0
80							5.2	2.8
90							4.9	2.3
95								2.0

Hauptausleger 41 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
22.3	57.6							
28	47.0	41.6						
30	44.5	39.5	33.2					
32	41.1	37.6	31.8					
34		35.6	30.3	22.5				
40		29.0	26.1	20.7	15.3			
44			23.6	19.7	14.8	10.5		
46			22.2	18.8	14.6	10.4		
50				17.3	14.2	10.1	6.8	
55				15.5	13.6	9.6	6.5	4.2
60					13.2	9.3	6.2	3.9
70					10.5	8.6	5.7	3.4
80						7.7	5.3	2.9
85							5.2	2.6
90							5.0	2.4
95								2.2

Hauptausleger 53 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
25.4	46.3							
30	39.9	38.2						
32	37.5	36.0	32.1					
36	15.1	32.1	29.6					
38		30.4	28.3	21.6				
42		27.8	25.8	20.5	14.7			
44		26.4	24.6	19.9	14.7			
48			22.6	18.9	14.2	10.1		
50			21.5	18.2	14.0	10.0		
55				16.7	13.6	9.6	6.5	
60				14.7	13.2	9.2	6.2	4.0
70					11.4	8.6	5.7	3.5
75						8.4	5.5	3.2
85						6.7	5.2	2.7
95							5.0	2.3
100								2.1

Hauptausleger 59 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
28	40.6							
32	35.6	34.0						
34	33.7	32.1	30.0					
36	32.2	30.3	29.0					
40		27.5	26.3	21.0				
44		25.3	24.0	20.0	14.4			
46		24.2	23.0	19.4	14.3			
50			21.3	18.5	13.9	9.8		
55				16.7	13.5	9.5	6.4	
60				15.1	13.1	9.2	6.1	3.9
75					9.5	8.4	5.5	3.2
80						8.1	5.3	3.0
85						7.7	5.1	2.8
90							5.1	2.5
95							5.0	2.3
100								2.1

Hauptausleger 68 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	59	71	83	95
29.3	34.7							
34	30.6	29.1						
36	29.0	27.6	26.2					
40	15.1	25.0	24.1					
42		23.8	23.0	19.9				
46		22.0	21.1	18.9	13.7			
48		21.2	20.2	18.2	13.7			
50			19.5	17.5	13.5			
55				16.0	13.1	9.2		
60				14.7	12.6	9.0	6.0	
65					13.5	11.9	8.7	5.8
70						11.3	8.4	5.6
75						10.4	8.2	5.4
85							7.7	5.1
90								5.0
100								4.8

Hauptausleger 74 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	35	47	53			
32	30.5							
34	28.7							
36	27.2	25.6						
38	25.9	24.4	23.0					
40	24.9	23.2	22.2					
42		22.3	21.3					
44		21.3	20.5	17.8				
46		20.5	19.7	17.2	15.3			
48		19.8	18.9	16.7	15.0			
50		19.0	18.2	16.1	14.6			
55			16.7	14.8	13.5			
60				13.7	12.5			
65				12.7	11.6			
70					10.9			

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 65°

Hauptausleger 29 m

Radius	Nadellänge (m)							
	20	29	35	47	59	71	83	95
(m)	t	t	t	t	t	t	t	t
28	48.3							
32	41.1	30.1						
34	38.2	37.9						
36		35.4	31.2					
42		29.4	26.8					
44			25.5	20.2				
48			22.8	19.1				
50				18.1	14.3			
60				14.2	13.2	9.4		
65					12.5	9.1	6.0	
70					11.2	8.8	5.7	3.5
80						8.0	5.3	3.0
85							5.2	2.7
90							5.1	2.5
95							5.0	2.3
100								2.1

Hauptausleger 41 m

Radius	Nadellänge (m)							
	20	29	35	47	59	71	83	95
(m)	t	t	t	t	t	t	t	t
34	35.8							
38	31.3	30.9						
42		27.4	27.0					
44		25.9	25.5					
48		23.2	23.0	20.0				
50			21.8	19.6				
55				18.1	13.9			
60				16.4	13.6			
65				14.5	13.1	9.1		
70					12.6	8.9	5.8	
75					11.3	8.6	5.6	3.3
80						8.4	5.4	3.2
85						8.0	5.3	2.9
90							5.2	2.7
100							5.1	2.3
105								2.1

Hauptausleger 53 m

Radius	Nadellänge (m)							
	20	29	35	47	59	71	83	95
(m)	t	t	t	t	t	t	t	t
37	29.2							
44	24.0	23.6						
46		22.3	21.9					
50		20.1	19.8					
55			17.6	16.9				
60				15.1	13.2			
70				12.3	11.6	8.8		
75					10.4	8.6	5.6	
80					9.3	8.4	5.4	3.2
85						7.5	5.3	3.0
90						6.7	5.2	2.8
100							4.5	2.4
105							3.9	2.3
110								2.1

Hauptausleger 59 m

Radius	Nadellänge (m)							
	20	29	35	47	59	71	83	95
(m)	t	t	t	t	t	t	t	t
39.6	25.3							
46	21.6	21.1						
50		19.0	18.6					
55		16.8	16.5	15.2				
60			14.8	14.1				
65				12.7	11.9			
70				11.4	10.5	8.6		
75					9.4	8.5		
80					8.4	7.5	5.4	
85					7.4	6.7	5.3	3.1
90						5.9	5.0	2.8
95						5.1	4.4	2.7
100							3.7	2.5
105							3.1	2.3

Hauptausleger 68 m

Radius	Nadellänge (m)							
	20	29	35	47	59	71	83	95
(m)	t	t	t	t	t	t	t	t
43.4	20.5							
50	17.7	17.0						
55		15.2	14.6					
60		13.6	13.2	12.1				
65			11.7	10.9				
70				9.7	8.8			
75				8.6	7.8	6.9		
80					6.8	6.0	5.1	
85					6.0	5.2	4.3	
90						4.5	3.6	2.7
95						3.8	3.0	2.2
100						3.2	2.5	

Hauptausleger 74 m

Radius	Nadellänge (m)							
	20	29	35	47	53			
(m)	t	t	t	t	t			
45.9	17.7							
48	16.9							
50	16.2							
55		13.6	13.0					
60		12.3	11.8					
65			10.5	9.6	9.1			
70				8.5	8.0			
75				7.4	7.1			
80					6.2			
85					5.4			

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - verstellb. Nadelausleger (No. 1916.xx)

Hauptausleger 45°

Hauptausleger 29 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	t	t	t	t	t	t
39.8	28.7							
42	26.9							
48		22.5						
50		21.4						
55			18.7					
65				14.6				
75					11.4			
80					10.4			
85						8.2		
90						7.8		
95							4.9	
100							4.9	
105								2.1

Hauptausleger 41 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	t	t	t	t	t	t
48.3	19.9							
50	19.0							
60		14.7						
65			12.9					
75				9.9				
85					7.2			
95						4.9		
100						4.2	3.4	
105							2.9	
110							2.4	

Hauptausleger 53 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	t	t	t			
56.8	13.3							
60	12.4							
65		10.5						
70			8.9					
80				6.2				
85				5.4				
95					3.2			
100					2.7			

Hauptausleger 59 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	t	t				
61	10.4							
70		7.7						
75			6.3					
85				4.0				
90				3.3				

Hauptausleger 68 m

Radius	20	29	Nadellänge (m)					
(m)	t	t	t					
67.4	6.2							
70	5.7							
75		4.3						
80			3.1					
85			2.5					

Hauptausleger 74 m

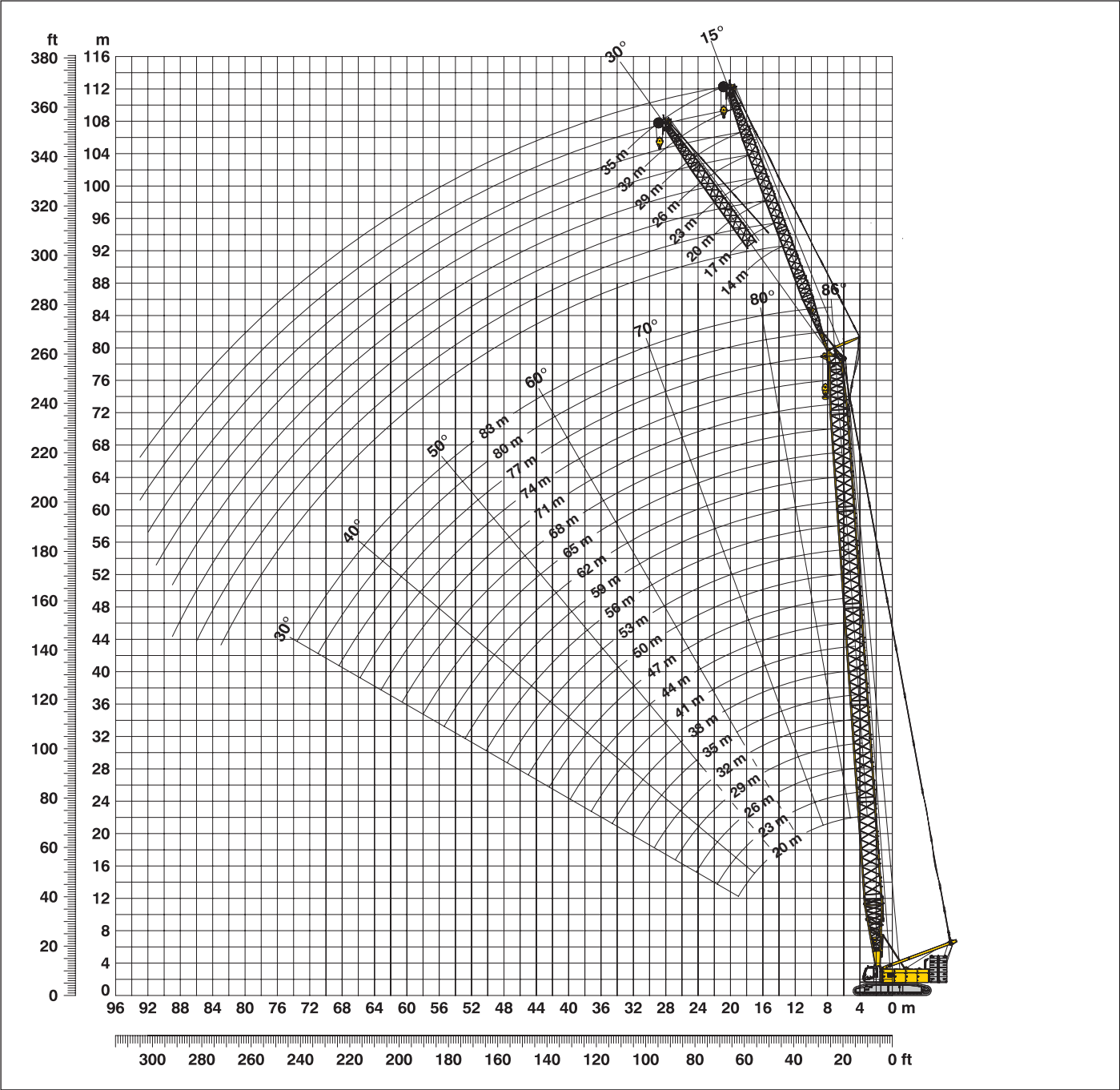
Radius	20	Nadellänge (m)						
(m)	t							
71.6	3.6							

Traglasten in Tonnen mit verstellbarem Nadelausleger (No. 1916.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Festst. Nadelausleger (No. 1713.xx)

15° und 30°

Hauptausleger 88° - 30°



Auslegerzusammenbau für Hauptausleger von 20 m - 83 m – siehe Tabelle 1, Seite 12

Konfiguration mit feststehendem Nadelausleger (11 m - 35 m)

	Länge	Anzahl der Nadelauslegerstücke							
Nadelanlenkstück	7.0 m	1	1	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1		1
Nadel-Z-Stück	6.0 m			1	1			1	1
Nadel-Z-Stück	12.0 m					1	1	1	1
Nadelkopf	7.0 m	1	1	1	1	1	1	1	1
Nadellänge (m)		14	17	20	23	26	29	32	35

Traglasten - festst. Nadelausleger (No. 1713.xx)

Offset 15°

Hauptausleger 20 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
13	42.9			
15	38.3	26.4		
16	36.6	25.2	21.2	18.4
18	33.9	23.2	19.3	16.7
20	31.3	21.3	17.8	15.5
24	27.6	18.6	15.5	13.4
28	24.0	16.5	13.7	11.8
32	21.7	14.7	12.2	10.6
36		13.3	11.0	9.4
42		11.7	9.6	8.1
48			8.6	7.1
50				6.9

Hauptausleger 29 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
12	53.1			
13	49.9	32.9		
14	47.4	31.1	25.6	
16	43.0	28.8	23.2	19.5
20	36.7	24.3	19.8	16.7
24	31.3	21.1	17.3	14.5
32	25.1	16.8	13.7	11.4
36	23.0	15.3	12.4	10.3
40	21.3	14.0	11.4	9.4
50		11.9	9.4	7.6
55			8.7	7.0
60				6.5

Hauptausleger 38 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
10	58.6			
12	55.6	34.5		
14	50.4	31.4	25.4	
16	46.2	29.6	23.4	19.7
20	39.7	25.2	20.4	17.1
28	31.0	20.0	16.0	13.5
36	25.9	16.5	13.2	11.1
44	22.4	14.1	11.3	9.3
48	21.1	13.3	10.5	8.7
55		12.1	9.5	7.7
60			8.9	7.2
70				5.7

Hauptausleger 47 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
9	60.0			
12	56.1	35.4		
14	52.9	32.7	26.0	
16	48.6	30.2	24.1	19.8
20	42.9	26.6	21.3	17.3
28	34.1	21.5	17.2	14.0
36	28.5	18.0	14.4	11.6
44	24.3	15.6	12.3	9.9
55	16.7	13.3	10.3	8.3
65		12.0	9.2	7.2
70			8.7	6.8
75				6.5

Hauptausleger 56 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
8.5	60.0			
12	57.1	34.9		
14	54.2	32.5	25.6	
17	48.8	29.4	23.3	19.1
20	44.6	27.0	21.3	17.6
28	36.1	22.2	17.6	14.4
36	30.5	19.0	14.9	12.2
44	23.5	16.4	12.9	10.6
65	11.4	12.1	9.7	7.7
70		10.3	9.2	7.3
75			8.8	7.0
85				6.4

Hauptausleger 62 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
8.7	60.0			
12	57.1	34.8		
15	53.2	31.5	24.7	
17	49.9	29.6	23.4	19.1
28	37.4	22.9	17.9	14.6
36	31.2	19.6	15.3	12.5
44	23.0	17.0	13.4	10.9
55	15.4	14.7	11.4	9.1
70	9.0	9.7	9.6	7.6
75		8.0	8.5	7.2
85			5.4	5.8
90				4.4

Hauptausleger 68 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
8.9	57.9			
13	53.3	33.4		
15	51.3	31.7	24.7	
17	49.3	29.9	23.4	19.1
28	39.0	23.5	18.2	14.8
36	31.1	20.1	15.7	12.8
44	22.4	17.7	13.8	11.2
55	14.9	15.1	11.8	9.5
75	6.6	7.4	7.9	7.5
80		5.7	6.3	6.6
90			3.4	3.8
95				2.6

Hauptausleger 77 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
9.2	51.4			
13	48.3	33.7		
15	46.5	31.8	24.7	
17	45.2	30.3	23.5	18.9
28	36.8	24.1	18.7	15.0
36	29.3	20.9	16.3	13.1
44	21.7	18.5	14.4	11.4
55	14.1	14.9	12.4	9.8
75	5.6	6.4	6.9	7.2
80	4.0	4.7	5.3	5.6
85		3.3	3.8	4.2
90			2.5	2.9

Hauptausleger 83 m

Radius	Nadellänge (m)			
	14	17	20	23
(m)	t	t	t	t
9.4	48.1			
11	47.0	43.0		
12	46.4	42.3	38.8	
13	45.7	41.8	37.7	32.6
16	43.4	39.8	35.1	30.4
20	41.0	37.6	32.1	27.6
28	36.1	32.7	27.5	23.7
36	28.2	26.9	24.1	20.7
44	20.7	20.9	21.0	18.6
55	13.6	13.8	14.1	14.3
75	4.9	5.1	5.4	5.6
85		2.1	2.4	2.6

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1713.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - festst. Nadelausleger (No. 1713.xx)

Offset 30°

Hauptausleger 20 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
15	29.1			
18	26.3	17.7		
20	25.0	16.6	13.7	
24	23.7	14.8	12.1	10.3
28	21.7	13.7	11.1	9.3
32	20.6	13.1	10.3	8.6
34	20.2	12.7	10.0	8.2
42		11.5	8.9	7.3
46			8.5	6.8
48			8.4	6.6
50				6.4
55				6.3

Hauptausleger 29 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
14	34.1			
17	30.9	20.6		
20	28.4	18.9	15.4	
24	25.8	17.1	13.9	11.5
28	23.8	15.5	12.6	10.4
32	22.2	14.3	11.5	9.5
36	21.0	13.4	10.7	8.7
40	20.4	12.6	9.9	8.1
42	15.1	12.3	9.7	7.8
50		11.6	8.7	6.9
55			8.5	6.5
60				6.3

Hauptausleger 38 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
13	36.0			
17	32.0	20.4		
20	30.0	18.9	15.3	
24	27.3	17.3	13.9	11.6
28	25.4	16.0	12.7	10.6
32	23.7	14.9	11.8	9.7
40	21.4	13.1	10.4	8.4
44	20.7	12.5	9.8	7.9
50	15.1	11.8	9.1	7.3
55		11.5	8.6	6.9
60			8.4	6.5
70				6.3

Hauptausleger 47 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
11.4	30.1			
17	33.0	20.9		
22	29.8	18.8	14.8	
24	28.5	18.0	14.2	11.6
28	26.7	16.8	13.2	10.7
32	25.0	15.7	12.4	9.9
40	22.6	14.0	11.0	8.7
44	21.7	13.3	10.4	8.2
55	16.9	12.0	9.2	7.2
65		11.7	8.6	6.5
70			8.5	6.4
75				6.3

Hauptausleger 56 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
11.7	30.1			
17	33.5	19.7		
22	30.4	18.6	14.7	
24	29.7	18.1	14.2	11.0
32	26.3	15.9	12.4	10.1
40	23.7	14.4	11.1	9.0
48	20.8	13.1	10.1	8.1
55	16.2	12.4	9.4	7.5
65	11.5	11.6	8.7	6.8
70		10.4	8.5	6.6
80			7.6	6.3
85				6.3

Hauptausleger 62 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
11.9	30.1			
18	33.2	20.1		
22	30.9	18.7	14.7	
26	29.2	17.6	13.7	11.2
32	26.8	16.2	12.6	10.2
40	24.3	14.7	11.3	9.1
55	15.7	12.7	9.7	7.7
65	11.0	11.9	8.9	7.0
70	9.1	10.1	8.6	6.7
75		8.2	8.5	6.5
85			5.5	6.1
90				4.6

Hauptausleger 68 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
12.2	37.2			
18	33.4	20.1		
22	31.3	18.8	14.7	
26	29.8	17.8	13.8	11.2
32	27.3	16.4	12.7	10.2
40	24.8	14.9	11.5	9.2
48	19.8	13.7	10.6	8.4
65	10.6	11.5	9.1	7.1
75	6.7	7.7	8.4	6.6
80		6.0	6.7	6.4
90			3.6	4.2
95				2.8

Hauptausleger 77 m

Radius	Nadellänge (m)			
	14	23	29	35
(m)	t	t	t	t
12.5	36.7			
18	33.3	20.4		
22	31.5	19.2	14.8	
26	29.8	18.2	14.0	11.1
32	27.8	16.8	13.0	10.2
40	25.2	15.4	11.9	9.3
48	19.1	14.3	10.9	8.5
65	9.9	10.8	9.5	7.3
75	5.9	6.9	7.5	6.7
80	4.2	5.1	5.9	6.4
90		2.2	2.9	3.4
95				2.1

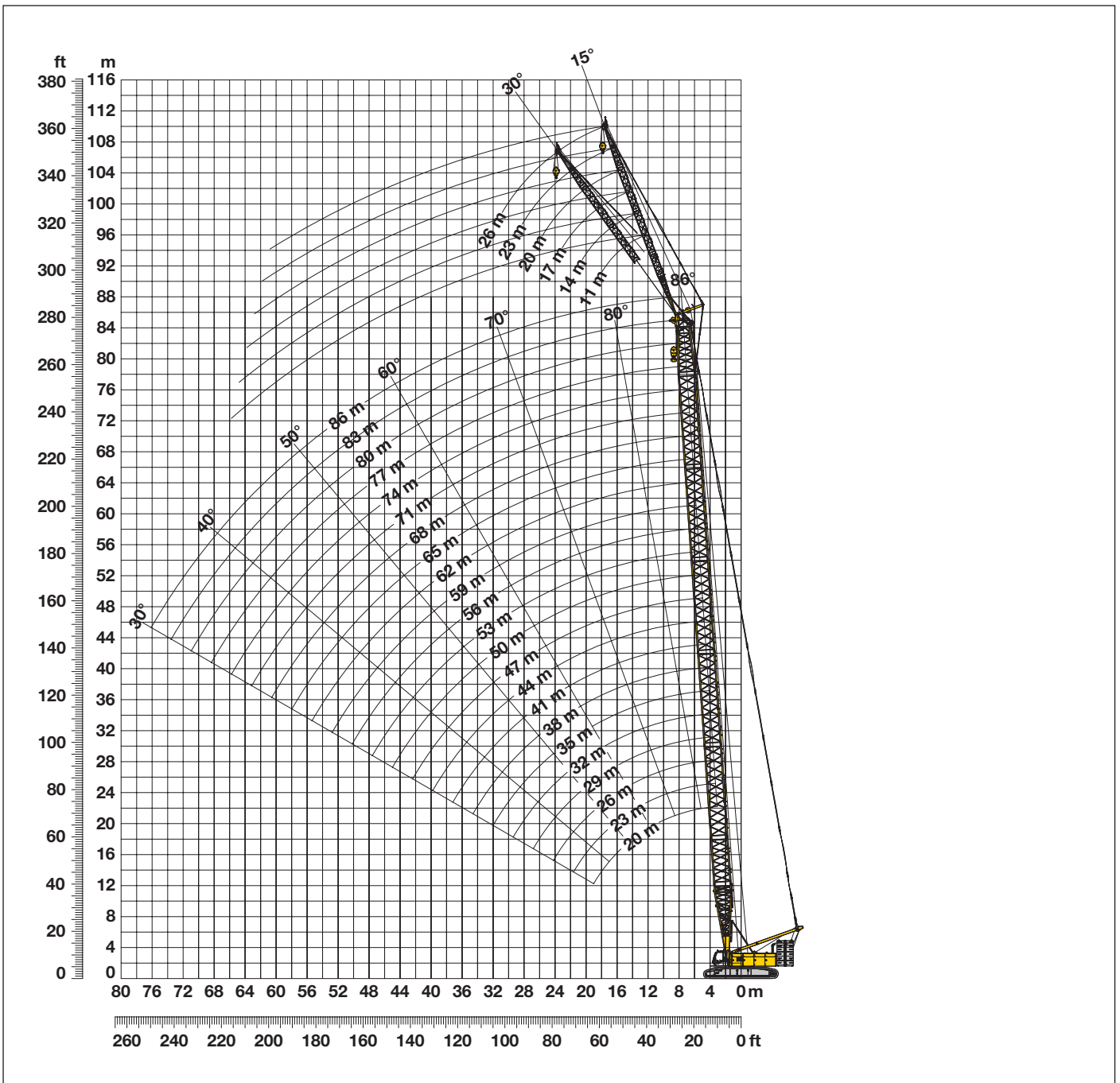
Hauptausleger 83 m

Radius	Nadellänge (m)			
	14	17	20	23
(m)	t	t	t	t
12.7	36.4			
15	35.0	28.5		
17	33.9	27.7	23.3	
18	33.4	27.3	23.0	19.8
24	30.8	25.2	21.2	18.2
32	27.8	22.9	19.3	16.5
40	25.0	21.0	17.8	15.2
48	18.6	18.3	16.4	14.2
55	14.1	14.4	14.7	13.4
65	9.2	9.6	10.0	10.4
75	5.2	5.5	5.9	6.2
85	2.0	2.3	2.7	3.0

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1713.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Festst. Nadelausleger (No. 1008.xx) **15° und 30°**

Hauptausleger 88° - 30°



Auslegerzusammenbau für Hauptauslegerlängen von 20 m - 86 m – siehe Tabelle 1, Seite 12

Konfiguration mit feststehendem Nadelausleger (11 m - 26 m)

	Länge	Anzahl der Nadelauslegerstücke					
Nadelanlenkstück	5.5 m	1	1	1	1	1	1
Nadel-Z-Stück	3.0 m		1		1		1
Nadel-Z-Stück	6.0 m			1	1	2	2
Nadelkopf	5.5 m	1	1	1	1	1	1
Nadellänge (m)		11	14	17	20	23	26

Traglasten - festst. Nadelausleger (No. 1008.xx)

Offset 15°

Hauptausleger 20 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
13	44.3			
14	44.0	34.9		
16	40.6	33.1	23.9	
17	38.2	32.1	22.8	16.7
18	36.1	30.4	21.7	16.1
20	32.8	27.5	19.9	15.2
24	27.8	24.1	16.9	13.6
28	24.9	20.6	14.8	11.9
30	23.2	19.4	13.9	11.2
32		18.2	13.2	10.6
38			11.4	9.1
44				8.0

Hauptausleger 29 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
11	45.0			
12	45.0	38.3		
14	44.5	37.3	27.0	
16	43.8	35.8	25.2	17.6
20	38.9	32.9	22.0	15.7
28	28.9	25.4	17.0	13.2
32	26.8	22.3	15.3	11.7
36	24.1	20.2	13.9	10.7
38	22.9	19.2	13.4	10.2
40		18.3	13.0	9.8
46			11.5	8.7
50				8.2

Hauptausleger 38 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
10	45.0	39.2		
12	45.0	38.1	28.2	
14	45.0	37.0	26.6	18.9
16	43.9	36.2	25.2	17.7
20	40.9	32.7	22.9	16.0
28	33.2	26.5	18.5	13.7
36	27.0	22.0	15.2	11.6
44	23.1	18.9	13.1	10.0
46	22.3	18.2	12.7	9.6
48		17.7	12.3	9.3
55			11.1	8.4
60				7.9

Hauptausleger 47 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
9	45.0	40.2		
11	45.0	39.2	29.5	
13	44.4	38.4	28.0	19.3
16	43.2	36.5	26.0	17.8
20	39.3	33.8	23.7	16.3
28	34.3	28.9	19.9	14.1
36	30.5	26.0	16.7	12.5
44	24.4	21.6	14.5	10.8
50	19.9	19.2	13.2	9.8
55		17.3	12.4	9.1
60			11.6	8.6
65				8.1

Hauptausleger 56 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
7.1	45.0			
9	45.0	39.6		
11	45.0	38.6	28.6	
13	45.0	37.6	27.3	19.1
20	38.3	32.8	23.4	16.4
28	34.1	28.5	20.2	14.4
36	32.1	25.9	17.6	13.2
44	23.6	22.3	15.3	11.4
55	16.1	16.5	13.1	9.8
60	13.6	14.0	12.4	9.2
70			10.7	8.3
75				7.9

Hauptausleger 62 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
7.3	45.0			
9	45.0	39.4		
11	44.5	38.5	28.3	
14	43.3	36.7	26.4	18.5
20	36.9	32.1	23.4	16.3
36	30.0	25.4	18.4	13.3
44	23.1	22.4	15.9	11.9
55	15.5	15.9	13.7	10.2
65	11.0	11.3	12.0	9.0
70		9.5	10.2	8.6
75			8.6	8.3
80				7.5

Hauptausleger 68 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
7.5	45.0			
9	45.0	39.2		
11	44.1	38.3	27.8	
14	41.5	35.9	26.2	18.4
20	35.7	31.6	23.4	16.2
36	29.2	25.7	18.9	13.4
44	22.5	22.1	16.5	12.3
55	15.0	15.4	14.1	10.6
70	8.6	9.0	9.7	8.9
75		7.2	7.9	8.5
80			6.3	6.9
85				5.5

Hauptausleger 83 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
8	42.5			
10	40.5	36.8		
12	38.7	35.1	26.5	
14	36.8	33.6	25.4	17.7
20	31.6	29.6	22.9	15.8
28	28.4	26.1	20.7	14.3
36	28.4	25.4	19.3	13.4
44	21.0	21.2	17.8	12.7
55	13.6	14.0	14.5	11.2
75	5.1	5.5	6.2	6.9
85	2.1	2.5	3.2	3.8
90				2.5

Hauptausleger 86 m

Radius	Nadellänge (m)			
	11	14	17	
(m)	t	t	t	
8.1	42.0			
10	40.1	36.0		
11	39.2	35.1	31.6	
16	34.8	31.4	28.5	
20	30.8	28.8	26.8	
28	26.7	24.9	23.7	
36	26.7	24.5	22.7	
44	20.4	20.8	20.4	
55	13.3	13.7	14.2	
75	4.7	5.0	5.5	
80	3.1	3.5	3.9	
85		2.1	2.5	

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1008.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.

Traglasten - festst. Nadelausleger (No. 1008.xx)

Offset 30°

Hauptausleger 20 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
15	28.9			
16	28.0	22.9		
19	25.2	20.8	14.6	
22	22.8	18.6	13.3	10.6
24	21.4	17.5	12.5	9.9
26	20.2	16.6	11.8	9.4
28	19.4	15.8	11.2	8.9
30	18.8	15.2	10.7	8.5
32		14.8	10.3	8.0
34		14.5	9.9	7.7
40			9.3	6.9
46				6.5

Hauptausleger 29 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
13	33.3			
15	30.9	27.0		
18	28.3	24.2	16.0	
20	27.1	22.4	15.0	11.5
24	24.0	20.0	14.0	10.3
28	21.8	18.0	12.6	9.4
32	20.1	16.6	11.4	8.6
36	19.0	15.6	10.6	8.0
38	18.6	15.3	10.3	7.7
42		15.1	9.8	7.2
48			9.3	6.7
50				6.7

Hauptausleger 38 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
12	35.8			
13	34.7	27.7		
16	31.3	26.2	17.0	
19	29.1	23.8	15.7	12.0
20	28.4	23.3	15.3	11.7
24	26.3	20.8	14.5	10.6
32	22.1	17.5	12.0	9.0
40	19.5	15.6	10.5	7.9
46	18.5	14.8	9.8	7.3
48		14.6	9.6	7.1
55			9.3	6.7
60				6.6

Hauptausleger 47 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
11	37.9			
12	36.6	29.8		
15	33.5	28.5	17.9	
19	30.1	25.5	16.2	12.1
24	27.6	22.6	14.6	10.8
32	23.7	19.2	12.7	9.3
40	21.0	17.1	11.3	8.3
48	19.2	15.6	10.3	7.5
50	19.0	15.4	10.1	7.4
55		15.0	9.8	7.0
60			9.6	6.7
65				6.6

Hauptausleger 56 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
9.7	39.8			
12	37.4	30.1		
16	33.6	27.4	17.2	
19	31.1	25.5	16.1	12.1
24	28.7	23.0	14.7	10.9
32	25.3	19.8	12.9	9.7
40	22.4	17.5	11.6	8.6
48	20.3	16.1	10.6	7.8
60	13.8	14.1	9.6	7.0
65		12.0	9.5	6.8
70			9.3	6.7
75				6.6

Hauptausleger 62 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
9.9	39.6			
12	37.6	29.2		
16	34.1	27.4	17.3	
20	31.0	25.1	15.9	11.9
24	29.5	23.2	14.9	11.0
32	26.3	20.3	13.6	9.8
40	23.2	18.1	12.0	8.8
48	20.3	16.5	10.9	8.0
65	11.1	11.5	9.6	6.9
70		9.6	9.4	6.7
75			8.7	6.6
80				6.6

Hauptausleger 68 m

Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
10.2	38.7			
12	37.0	28.8		
16	33.6	26.8	17.3	
20	30.8	24.7	16.1	11.9
32	26.0	20.4	13.9	9.9
40	23.4	18.6	12.3	8.9
48	19.8	17.1	11.2	8.2
65	10.7	11.1	9.8	7.1
70	8.8	9.2	9.5	6.9
75		7.3	8.2	6.7
80			6.5	6.7
85				5.7

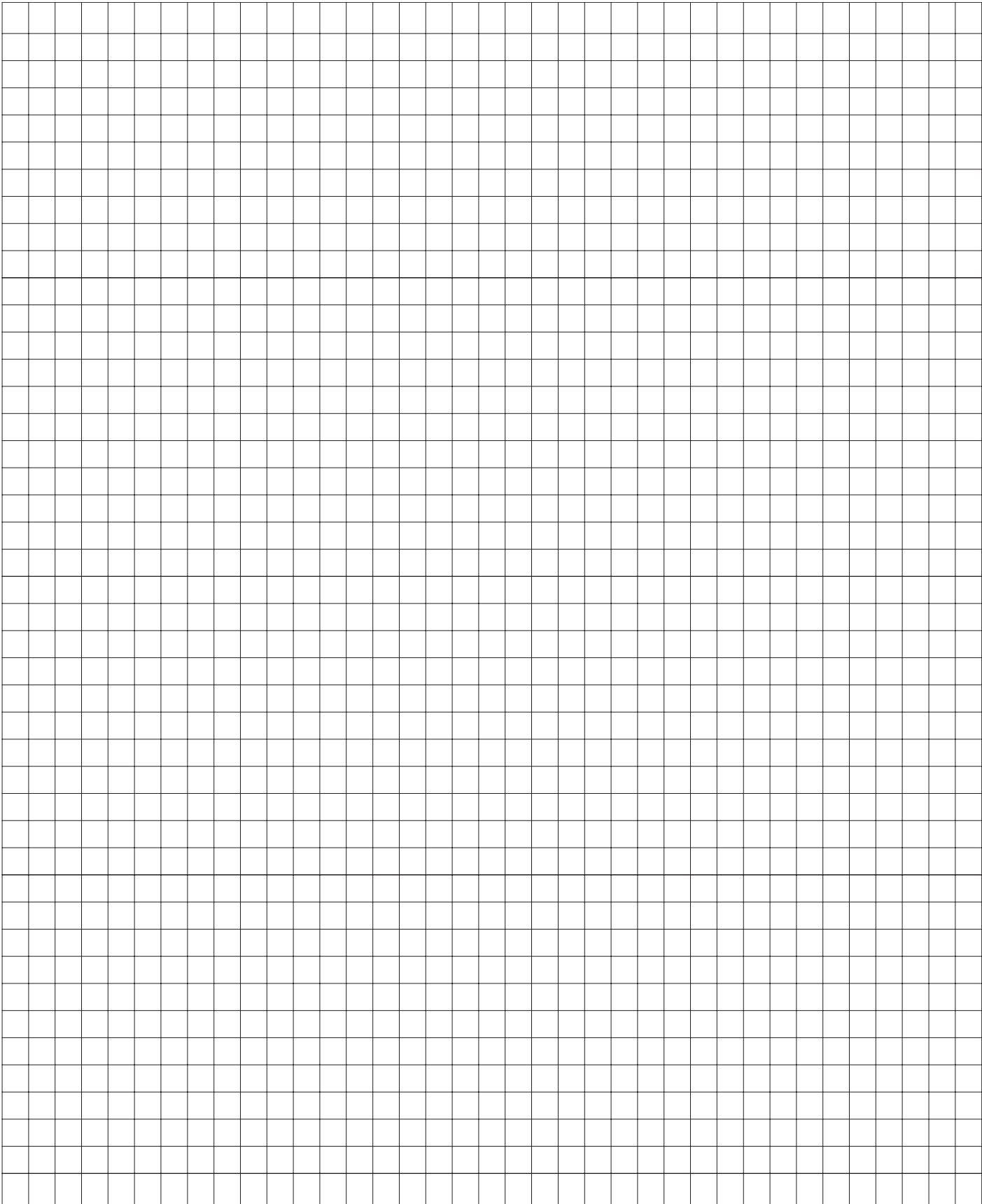
Hauptausleger 83 m

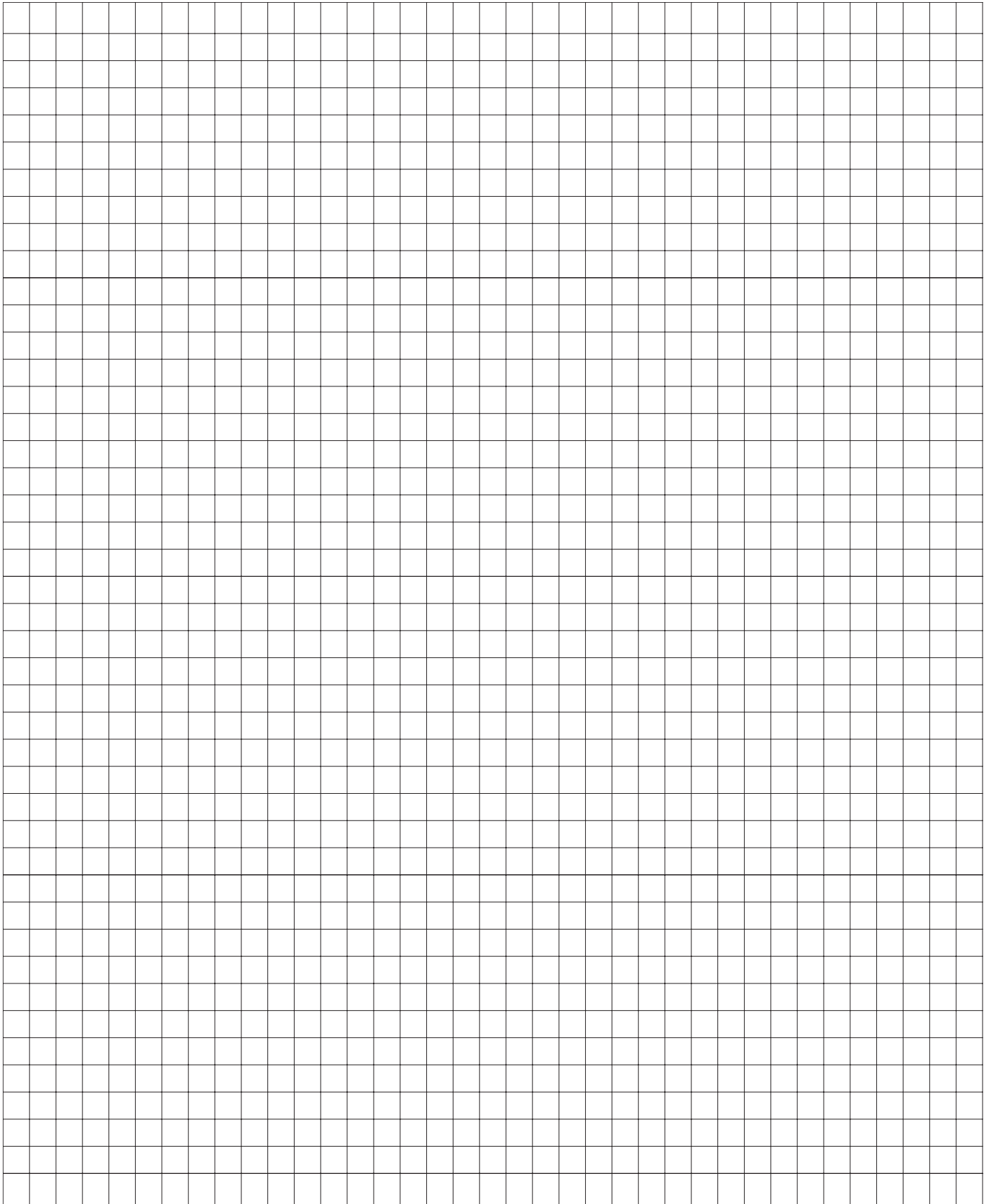
Radius	Nadellänge (m)			
	11	14	20	26
(m)	t	t	t	t
10.7	32.9			
13	31.5	27.2		
17	29.0	25.0	17.2	
20	27.7	23.7	16.5	11.8
24	26.3	22.3	15.6	11.2
32	25.2	20.6	14.1	10.1
40	23.8	19.8	12.8	9.2
48	18.5	17.0	11.9	8.5
65	9.3	9.8	10.0	7.4
75	5.3	5.8	6.7	6.9
85	2.2	2.6	3.5	4.3
90			2.1	2.9

Hauptausleger 86 m

Radius	Nadellänge (m)			
	11	14	17	
(m)	t	t	t	
10.8	32.6			
13	31.0	26.3		
15	29.8	25.3	21.1	
18	28.1	23.8	20.0	
24	25.7	21.6	18.3	
32	24.8	20.0	16.6	
40	24.3	19.3	15.1	
48	18.1	16.8	14.1	
65	8.9	9.4	9.9	
75	4.9	5.4	5.9	
80	3.3	3.7	4.2	
85		2.3	2.7	

Traglasten in Tonnen mit feststehendem Nadelausleger (No. 1008.xx) 124 t Ballast + 57 t Zentralballast. Oben angeführte Traglastwerte sind nur zur Information. Für Ihren aktuellen Hub verwenden Sie bitte die Traglastwerte aus dem Traglasttabellenbuch.





Technical data **Hydraulic lift crane**

LR 1300
Litronic®

Derrick equipment

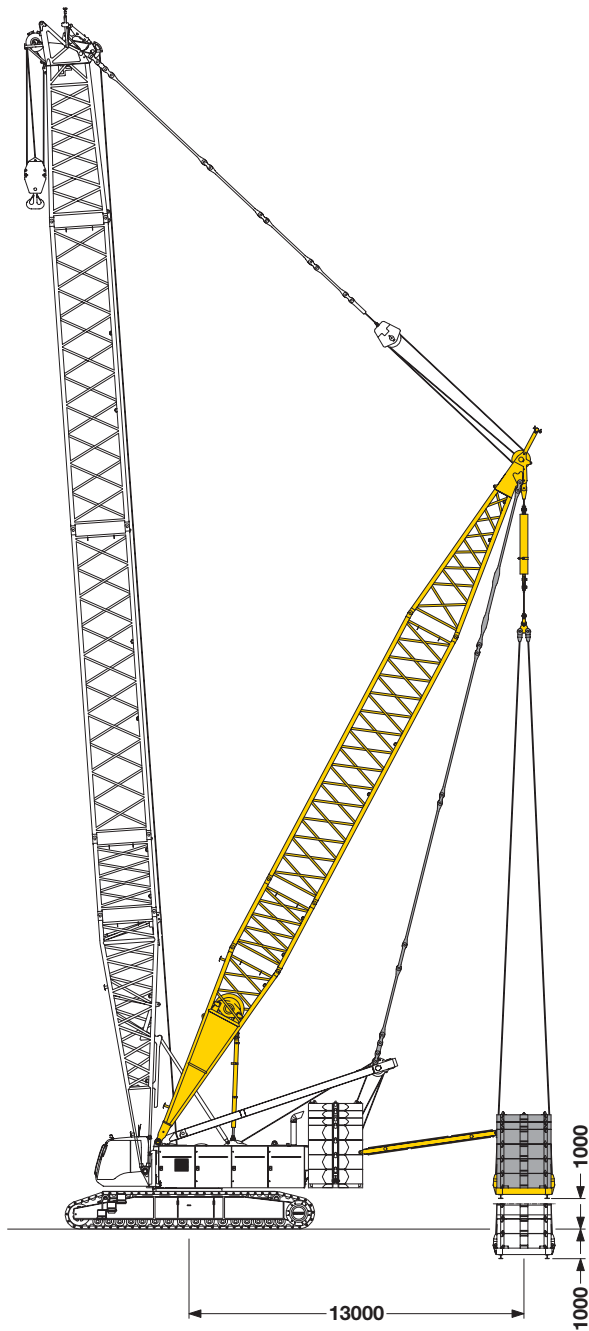


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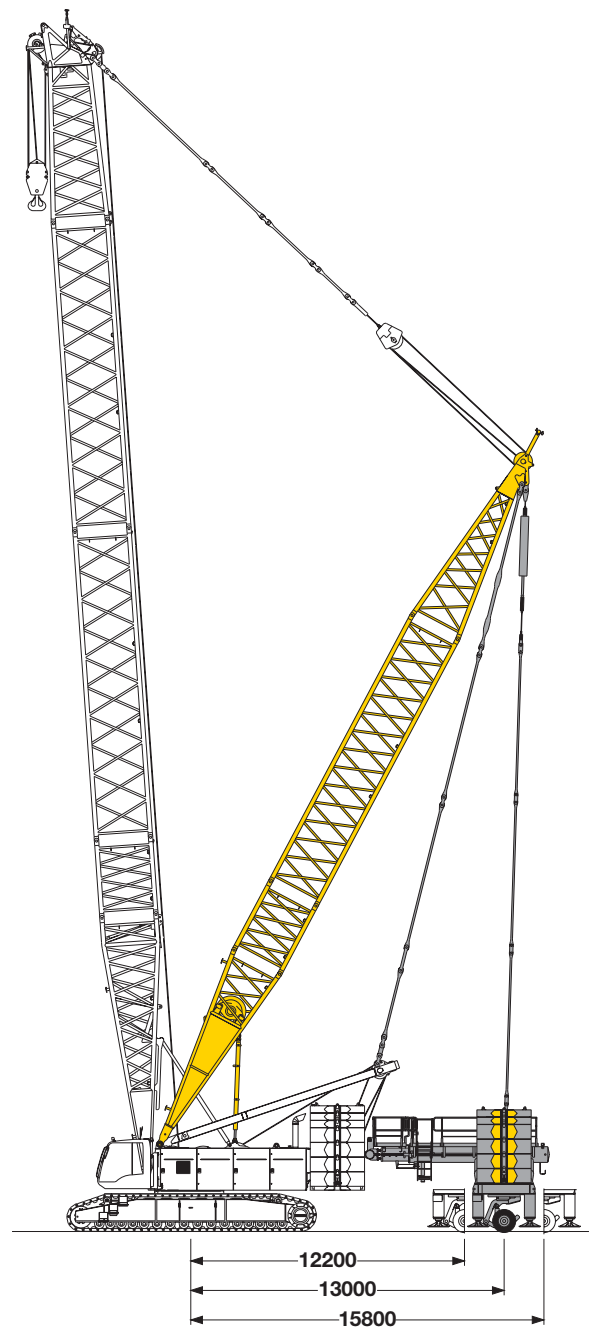
Dimensions

Basic machine with derrick equipment

Derrick equipment
with suspended counterweight

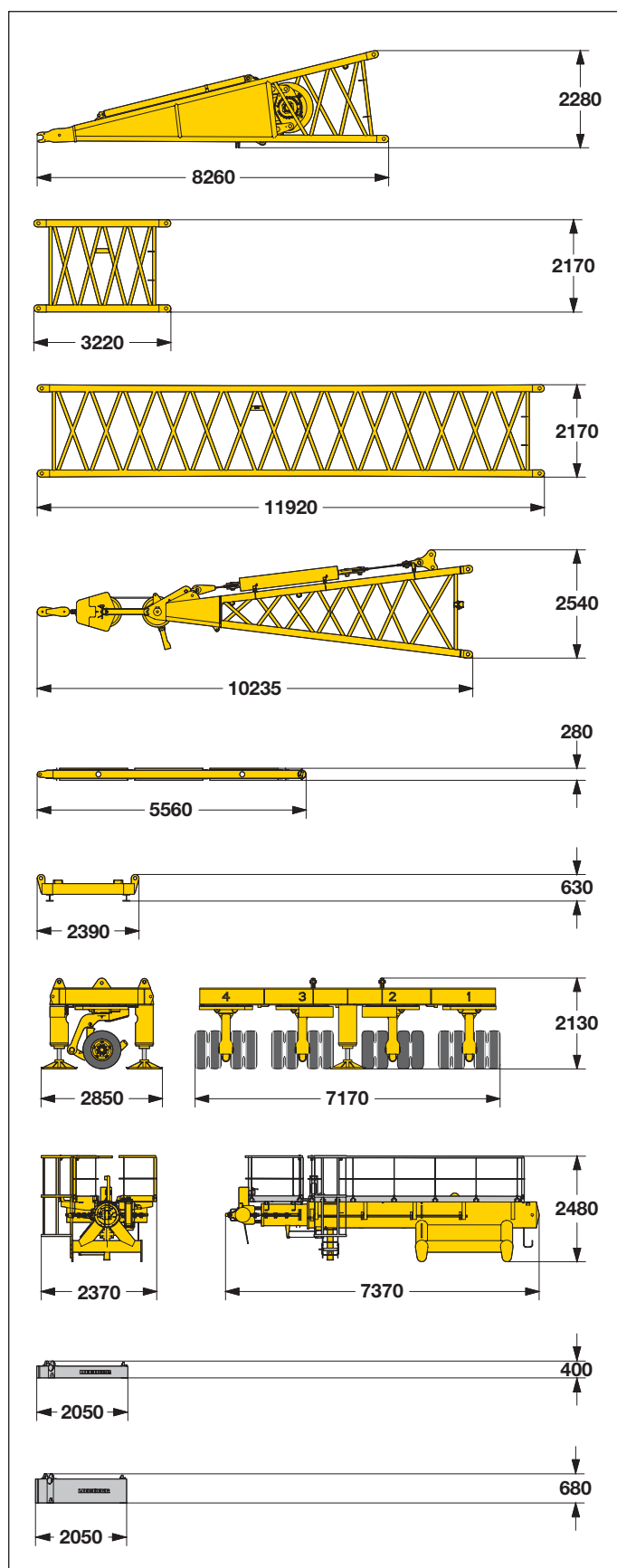


Derrick equipment
with wheeled counterweight carriage



Transport dimensions and weights

Basic machine and boom (No. 2220.xx)



↗) including pendant straps; ***) including pendant ropes

Derrick foot (No. 2220.24)

Width	2420 mm
Weight incl. rope	7800 kg

Boom section (No. 2220.24)

Width	2420 mm
Weight*	1030 kg

Boom section (No. 2220.22)

Width	2420 mm
Weight*	2560 kg

Boom head (No. 2220.22)

Width	2420 mm
Weight*	5400 kg

Spacer frame

Width	2470 mm
Weight*	495 kg

Counterweight frame

Width	5050 mm
Weight**	14360 kg

Wheeled counterweight carriage

Width	2850 mm
Weight*	13155 kg

Telescopic unit

Width	2370 mm
Weight*	6645 kg

Counterweight (5 t)

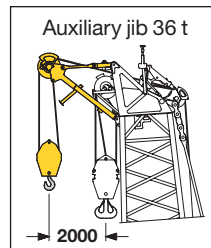
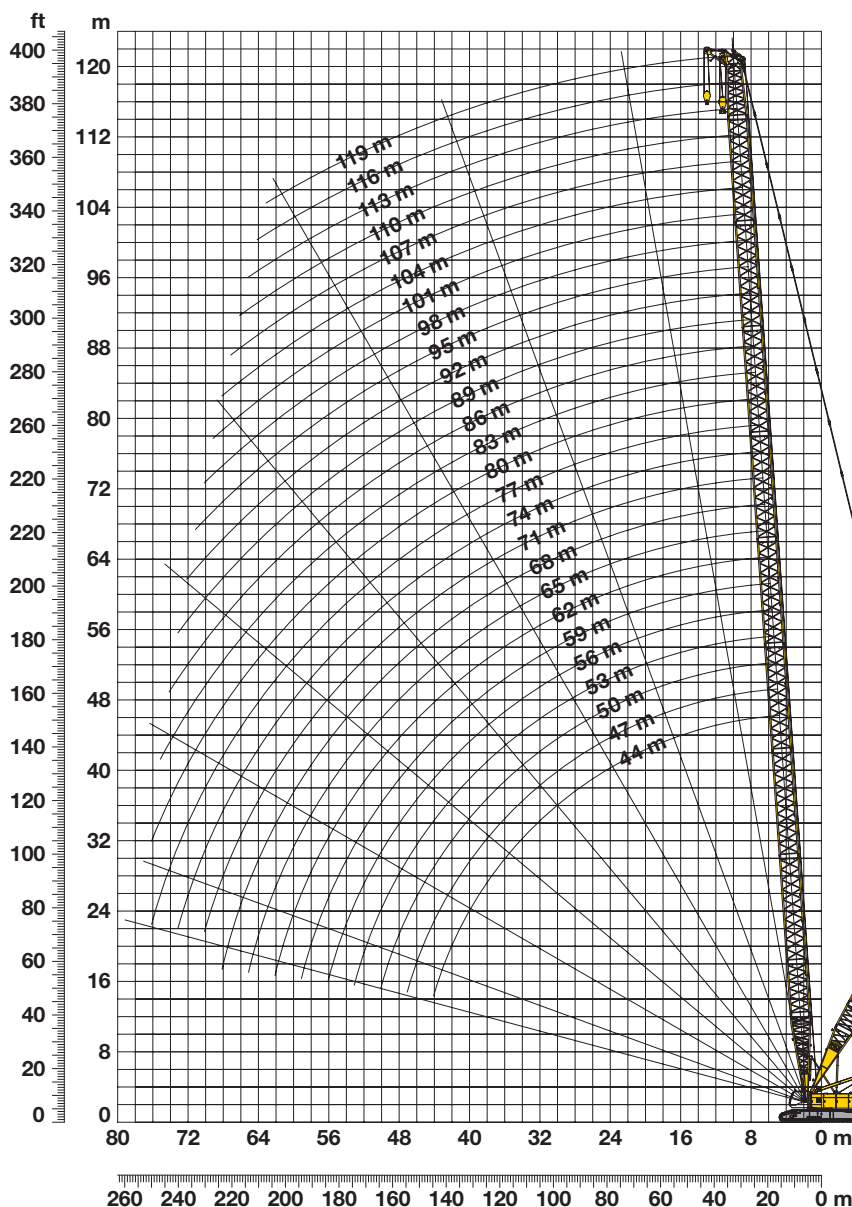
Width	2120 mm
Weight*	5000 kg

Counterweight (10 t)

Width	2120 mm
Weight*	10000 kg

Working range - main boom (No.2821.xx) 86° - 15°

124 t counterweight and 57 t carbody counterweight



Auxiliary jib 36 t

The maximum capacity of the auxiliary jib is 36 t. The corresponding load chart is programmed in the LMI system.

Main boom configuration (Table 1 – No. 2821.xx)

Configuration for boom lengths between 44 m and 119 m

	Length																										
Boom foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Boom section	3 m	1		1		1		1		1		1		1		1		1		1		1		1		1	
Boom section	6 m		1	1			1	1			1	1			1	1			1	1			1	1			1
Boom section	12 m	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
Boom head	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boom length (m)		44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119

Lift chart – main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight

Capacities in metric tons for boom lengths (44 m - 119 m) - with 215 kN winches
124 t counterweight and 57 t carbody counterweight

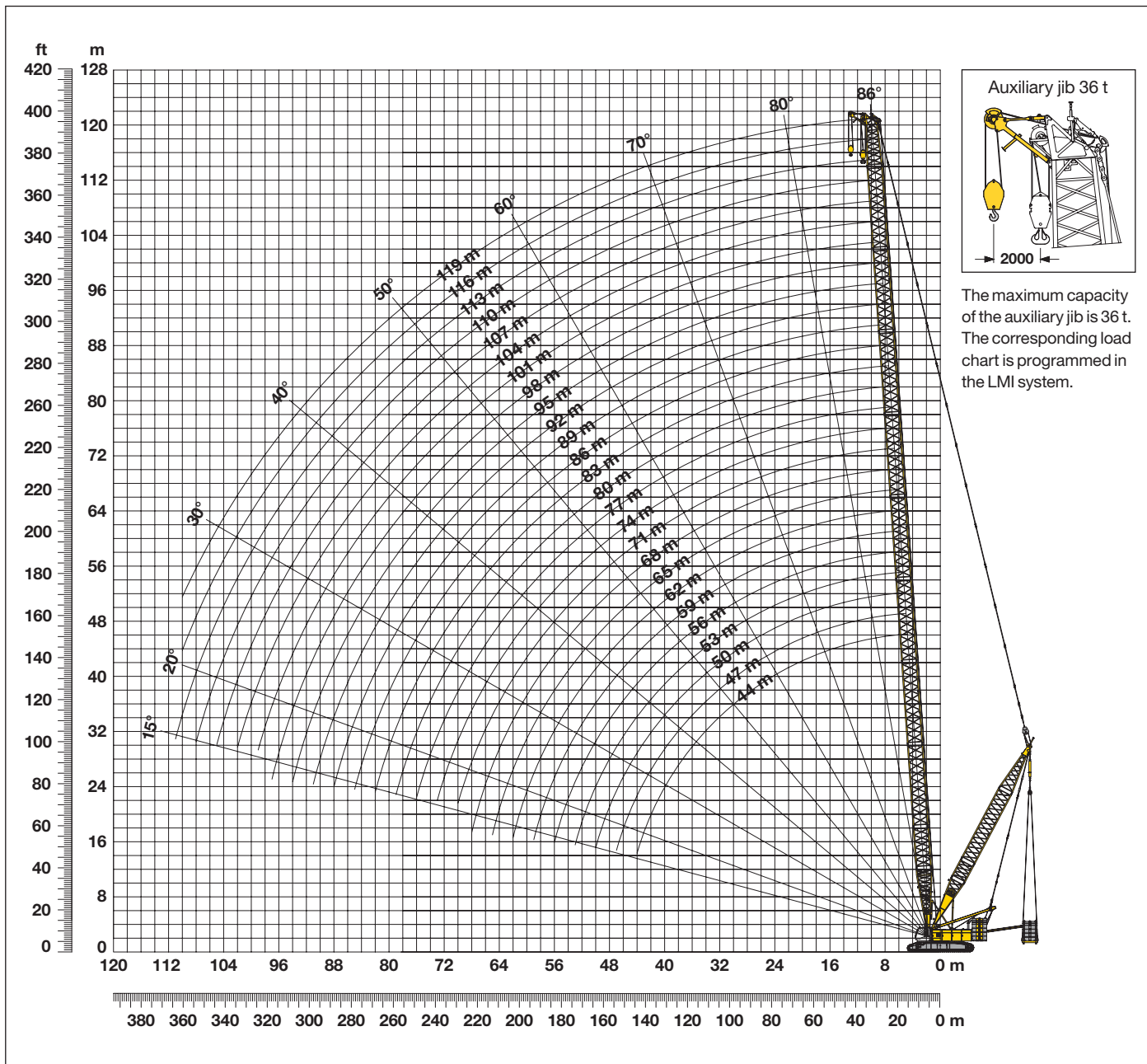
	Boom length in (m)												
Radius (m)	44	50	56	68	74	86	92	98	104	110	113	119	Radius (m)
8.9	t	t	t	t	t	t	t	t	t	t	t	t	8.9
9				141.7	129.9	92.2							9
10				123.2	122.8	92.2	79.2	68.5					10
12	98.2	98.0	97.8	97.1	96.7	90.2	77.8	67.7	59.0	51.4	47.9	41.5	12
14	80.6	80.4	80.1	79.4	78.9	78.0	76.5	66.2	57.7	50.4	47.1	41.0	14
16	68.1	67.8	67.5	66.7	66.2	65.2	64.7	64.2	56.6	49.2	45.9	39.7	16
18	63.1	58.4	58.1	57.2	56.7	55.7	55.2	54.6	54.1	48.0	44.8	38.6	18
20	55.3	55.0	50.4	49.5	48.9	47.9	47.4	46.8	46.3	45.7	43.4	36.9	20
22	48.6	48.3	48.1	43.7	43.1	42.1	41.6	41.0	40.4	39.8	39.6	35.7	22
24	43.5	43.2	43.0	38.5	38.0	36.9	36.4	35.8	35.2	34.6	34.4	33.8	24
26	38.9	38.6	38.4	34.3	33.7	32.6	32.1	31.5	30.9	30.3	30.1	29.9	26
28	35.1	34.7	34.5	33.6	30.1	29.4	28.8	28.2	27.7	27.0	26.8	26.2	28
30	31.7	31.4	31.1	30.3	30.1	26.2	25.7	25.0	24.5	23.8	23.6	23.0	30
32	29.1	28.8	28.5	27.7	27.1	23.5	22.9	22.3	21.7	21.1	20.9	20.2	32
34	26.5	26.2	25.9	25.1	24.6	23.5	20.5	19.9	19.3	18.7	18.5	17.8	34
36	24.2	23.9	23.6	22.8	22.3	21.2	20.7	17.8	17.2	16.6	16.4	15.7	36
38	22.2	21.9	21.6	20.8	20.3	19.2	18.7	18.1	15.3	15.1	15.1	14.5	38
40	20.3	20.1	19.8	19.0	18.4	17.4	16.9	16.3	15.7	13.6	13.4	12.8	40
42	18.7	18.4	18.2	17.3	16.8	15.8	15.3	15.1	14.7	14.1	13.8	11.2	42
44	17.2	16.9	16.7	15.9	15.3	14.9	14.3	13.7	13.2	12.5	12.3	11.7	44
46		15.6	15.3	15.1	14.5	13.5	13.0	12.3	11.8	11.1	10.9	10.3	46
48		14.7	14.5	13.8	13.3	12.2	11.7	11.1	10.5	9.9	9.6	9.0	48
50		13.5	13.4	12.6	12.1	11.0	10.5	9.9	9.3	8.7	8.5	7.8	50
55			10.7	10.1	9.6	8.5	8.0	7.4	6.8	6.2	6.0	5.3	55
60				7.9	7.4	6.4	5.9	5.3	4.8	4.1	3.9	3.3	60
65				6.1	5.7	4.7	4.2	3.6	3.0	2.4	2.2		65
70					4.1	3.2	2.7	2.1					70

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - main boom (No.2821.xx) 86° - 15°

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius



Main boom configuration (Table 1 – No. 2821.xx)

Configuration for boom lengths between 44 m and 119 m

	Length																												
Boom foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Boom section	3 m	1		1		1		1		1		1		1		1		1		1		1		1		1			
Boom section	6 m		1	1			1	1			1	1			1	1			1	1			1	1			1		
Boom section	12 m	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8		
Boom head	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Boom length (m)		44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119		

Lift chart – main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 44 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	t	t	t	t	t
12	98.2	157.6	187.0	204.8	236.6
14	80.6	130.5	155.2	170.1	199.8
16	68.1	110.8	132.1	144.9	170.7
18	63.1	100.8	119.4	130.8	153.2
20	55.3	88.6	105.2	115.4	135.3
22	48.6	78.8	93.9	102.9	121.0
24	43.5	70.9	84.6	92.7	109.2
26	38.9	64.1	76.7	84.3	99.4
28	35.1	58.5	70.1	77.0	90.9
30	31.7	53.5	64.3	70.9	83.8
32	29.1	49.2	59.5	65.4	77.5
34	26.5	45.4	55.0	60.6	72.1
36	24.2	42.2	51.1	56.5	67.2
38	22.2	39.2	47.6	52.7	62.8
40	20.3	36.5	44.6	49.3	59.0
42	18.7	34.0	41.7	46.2	55.4
44	17.2	31.8	39.1	43.4	50.8

Main boom 50 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
11	109.3				
12	97.8	157.1	182.5	182.5	
14	80.1	129.9	154.7	169.5	175.6
16	67.5	110.2	131.4	144.4	168.7
18	58.1	95.4	114.2	125.4	147.8
20	50.4	83.9	100.6	110.5	130.6
22	48.1	78.2	93.3	102.5	120.4
24	43.0	70.3	84.0	92.1	108.6
26	38.4	63.5	76.0	83.7	98.8
28	34.5	57.9	69.5	76.4	90.3
30	31.1	52.9	63.7	70.3	83.2
32	28.5	48.6	58.9	64.8	76.9
34	25.9	45.0	54.4	60.0	71.5
36	23.6	41.7	50.5	55.9	66.6
38	21.6	38.6	47.0	52.1	62.2
40	19.8	36.0	44.1	48.7	58.4
42	18.2	33.5	41.2	45.7	54.9
44	16.7	31.3	38.6	43.0	51.7
46	15.3	29.4	36.3	40.5	48.7
48	14.5	27.5	34.2	38.2	46.0
50	13.4	25.8	32.2	36.0	43.7
55	10.7	22.0	27.8	31.3	38.2

Main boom 56 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	t	t	t	t	t
11	109.3	174.9	187.1	187.1	
12	97.8	157.1	182.5	182.5	
14	80.1	129.9	154.7	169.5	175.6
16	67.5	110.2	131.4	144.4	168.7
18	58.1	95.4	114.2	125.4	147.8
20	50.4	83.9	100.6	110.5	130.6
22	48.1	78.2	93.3	102.5	120.4
24	43.0	70.3	84.0	92.1	108.6
26	38.4	63.5	76.0	83.7	98.8
28	34.5	57.9	69.5	76.4	90.3
30	31.1	52.9	63.7	70.3	83.2
32	28.5	48.6	58.9	64.8	76.9
34	25.9	45.0	54.4	60.0	71.5
36	23.6	41.7	50.5	55.9	66.6
38	21.6	38.6	47.0	52.1	62.2
40	19.8	36.0	44.1	48.7	58.4
42	18.2	33.5	41.2	45.7	54.9
44	16.7	31.3	38.6	43.0	51.7
46	15.3	29.4	36.3	40.5	48.7
48	14.5	27.5	34.2	38.2	46.0
50	13.4	25.8	32.2	36.0	43.7
55	10.7	22.0	27.8	31.3	38.2

Main boom 68 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
9	141.7				
10	123.2	144.5	144.5		
12	97.1	139.4	139.4	139.4	
16	66.7	109.4	130.8	131.4	131.4
18	57.2	94.5	113.3	124.5	126.2
20	49.5	83.0	99.7	109.6	121.8
22	43.7	73.8	88.6	97.7	115.6
24	38.5	65.9	79.6	88.0	104.2
26	34.3	59.7	72.2	79.6	94.7
28	33.6	57.1	68.6	75.5	89.4
30	30.3	52.1	62.8	69.4	82.3
32	27.7	47.7	58.0	63.9	76.0
34	25.1	44.2	53.6	59.3	70.6
36	22.8	40.8	49.6	55.1	65.7
38	20.8	37.8	46.2	51.3	61.3
40	19.0	35.1	43.2	47.9	57.6
44	15.9	30.5	37.8	42.2	50.8
48	13.8	26.8	33.4	37.4	45.2
50	12.6	25.1	31.4	35.2	42.9
55	10.1	21.4	27.2	30.6	37.6
60	7.9	18.3	23.6	26.8	33.1
65	6.1	15.7	20.5	23.5	29.3

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 74 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
9	129.9				
10	122.8	129.9			
12	96.7	126.9	122.1		
14	78.9	122.1	118.0	118.0	
18	56.7	108.9	111.6	111.6	111.6
20	48.9	94.0	99.1	107.3	107.3
22	43.1	82.4	88.2	97.2	103.6
24	38.0	73.2	79.1	87.4	100.6
26	33.7	65.4	71.7	79.1	94.2
28	30.1	59.1	65.2	72.2	86.1
30	30.1	53.6	62.3	68.9	81.8
32	27.1	51.6	57.5	63.4	75.5
34	24.6	47.2	53.0	58.8	70.1
36	22.3	43.7	49.1	54.5	65.2
38	20.3	40.3	45.6	50.7	60.8
40	18.4	37.3	42.7	47.4	57.1
44	15.3	32.2	37.3	41.7	50.3
48	13.3	28.1	32.8	36.9	44.9
55	9.6	24.6	26.7	30.1	37.1
60	7.4	20.9	23.1	26.3	32.6
65	5.7	17.8	20.1	23.0	28.9
70	4.1	15.2	17.5	20.2	25.6

Main boom 86 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
8.9	92.2				
12	90.2	90.2			
16	65.2	86.0	86.0		
18	55.7	84.2	84.2	84.2	
24	36.9	64.3	76.4	76.4	76.4
26	32.6	58.1	70.6	74.1	74.1
28	29.4	52.5	64.1	70.9	72.2
30	26.2	47.7	58.7	65.0	71.5
32	23.5	43.9	53.8	59.8	71.3
34	23.5	42.6	52.0	57.7	69.0
36	21.2	39.2	48.1	53.5	64.1
38	19.2	36.2	44.8	49.7	59.8
40	17.4	33.5	41.7	46.3	56.0
44	14.9	29.1	36.3	40.7	49.3
48	12.2	25.2	31.8	35.8	43.9
55	8.5	19.9	25.7	29.2	36.1
60	6.4	16.8	22.1	25.3	31.6
65	4.7	14.6	19.1	22.1	28.0
70	3.2	12.3	16.6	19.3	24.7
75		10.4	14.6	16.9	21.9
80		8.6	12.6	15.0	19.5
85		7.1	10.8	13.0	17.3

Main boom 92 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
9.3	79.2				
12	77.8	77.8			
18	55.2	72.8	72.8		
20	47.4	71.6	71.6	71.6	
28	28.8	52.0	62.5	62.5	62.5
30	25.7	47.2	58.2	60.9	60.9
32	22.9	43.3	53.3	59.2	60.3
34	20.5	39.7	49.0	54.8	59.9
36	20.7	38.7	47.5	53.0	59.6
38	18.7	35.7	44.3	49.2	59.1
40	16.9	33.0	41.1	45.8	55.5
44	14.3	28.6	35.7	40.1	48.7
48	11.7	24.7	31.3	35.3	43.3
50	10.5	23.0	29.5	33.2	40.9
55	8.0	19.4	25.2	28.7	35.5
60	5.9	16.3	21.6	24.8	31.1
65	4.2	14.1	18.6	21.6	27.5
70	2.7	11.9	16.1	18.8	24.2
75		9.9	14.2	16.4	21.4
80		8.2	12.2	14.6	19.0
85		6.7	10.4	12.6	16.8
90		5.3	8.8	10.9	14.9

Main boom 98 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
9.7	68.5				
14	66.2	66.2			
20	46.8	62.0	62.0		
22	41.0	60.1	60.1	60.1	
30	25.0	46.6	57.6	58.0	58.0
32	22.3	42.7	52.7	57.9	57.9
34	19.9	39.0	48.4	54.2	57.9
36	17.8	35.8	44.9	50.1	57.9
38	18.1	35.1	43.7	48.6	57.9
40	16.3	32.4	40.5	45.2	54.9
44	13.7	28.0	35.1	39.5	48.1
48	11.1	24.1	30.7	34.7	42.7
50	9.9	22.4	28.9	32.6	40.3
55	7.4	18.8	24.6	28.1	34.9
60	5.3	15.7	21.0	24.2	30.5
65	3.6	13.5	18.1	21.0	26.9
70	2.1	11.3	15.5	18.2	23.7
75		9.3	13.6	15.8	20.9
80		7.6	11.6	14.0	18.4
85		6.1	9.9	12.1	16.3
90		4.8	8.3	10.4	14.6
95		3.5	6.8	8.8	12.8

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 104 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	t	t	t	t	t
12	59.0				
14	57.7	57.7			
22	40.4	52.5	52.5		
26	30.9	50.3	50.3	50.3	
32	21.7	42.1	50.1	50.1	50.1
34	19.3	38.5	47.9	50.1	50.1
36	17.2	35.3	44.3	49.5	50.1
38	15.3	32.4	41.0	45.9	50.1
40	15.7	31.9	40.0	44.8	50.1
44	13.2	27.4	34.6	39.0	47.6
48	10.5	23.6	30.1	34.1	42.2
50	9.3	21.9	28.3	32.0	39.7
55	6.8	18.2	24.0	27.6	34.4
60	4.8	15.2	20.5	23.7	30.0
65	3.0	13.0	17.5	20.5	26.3
70		10.7	15.1	17.7	23.1
75		8.8	13.1	15.3	20.3
80		7.1	11.1	13.5	17.9
85		5.6	9.3	11.6	15.8
90		4.3	7.8	9.9	14.1
95		3.0	6.4	8.4	12.4
100			5.1	7.0	10.8

Main boom 110 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
10.6	51.4				
16	49.2	49.2			
24	34.6	44.6	44.6		
28	27.0	43.1	43.1	43.1	
36	16.6	34.6	42.7	42.7	42.7
38	15.1	31.8	40.3	42.7	42.7
40	13.6	29.4	37.3	42.0	42.7
44	12.5	26.8	34.0	38.4	42.7
46	11.1	24.8	31.6	35.8	42.7
48	9.9	22.9	29.7	33.5	41.5
50	8.7	21.2	27.7	31.4	39.1
55	6.2	17.6	23.4	26.9	33.8
60	4.1	15.0	19.9	23.1	29.5
65	2.4	12.4	16.9	19.8	25.7
70		10.1	14.7	17.1	22.5
75		8.2	12.5	15.0	19.7
80		6.5	10.5	12.9	17.3
85		5.0	8.7	11.0	15.2
90		3.7	7.2	9.3	13.5
95		2.5	5.8	7.8	11.8
100			4.5	6.4	10.2
105			3.4	5.2	8.8

Main boom 113 m

Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
10.8	47.9				
16	45.9	45.9			
24	34.4	41.3	41.3		
30	23.6	39.4	39.4	39.4	
38	15.1	31.5	38.9	38.9	38.9
40	13.4	29.2	37.1	38.9	38.9
44	12.3	26.6	33.7	38.0	38.9
46	10.9	24.6	31.4	35.6	38.9
48	9.6	22.7	29.5	33.3	38.9
50	8.5	21.0	27.5	31.2	38.7
55	6.0	17.4	23.2	26.7	33.6
60	3.9	14.8	19.7	22.9	29.3
65	2.2	12.1	16.7	19.6	25.5
70		9.9	14.5	16.9	22.3
75		8.0	12.2	14.8	19.5
80		6.3	10.3	12.7	17.1
85		4.8	8.5	10.8	15.0
90		3.5	7.0	9.1	13.3
95		2.3	5.6	7.6	11.6
100			4.3	6.2	10.0
105			3.2	5.0	8.6
110			2.1	3.8	7.3

Main boom 119 m

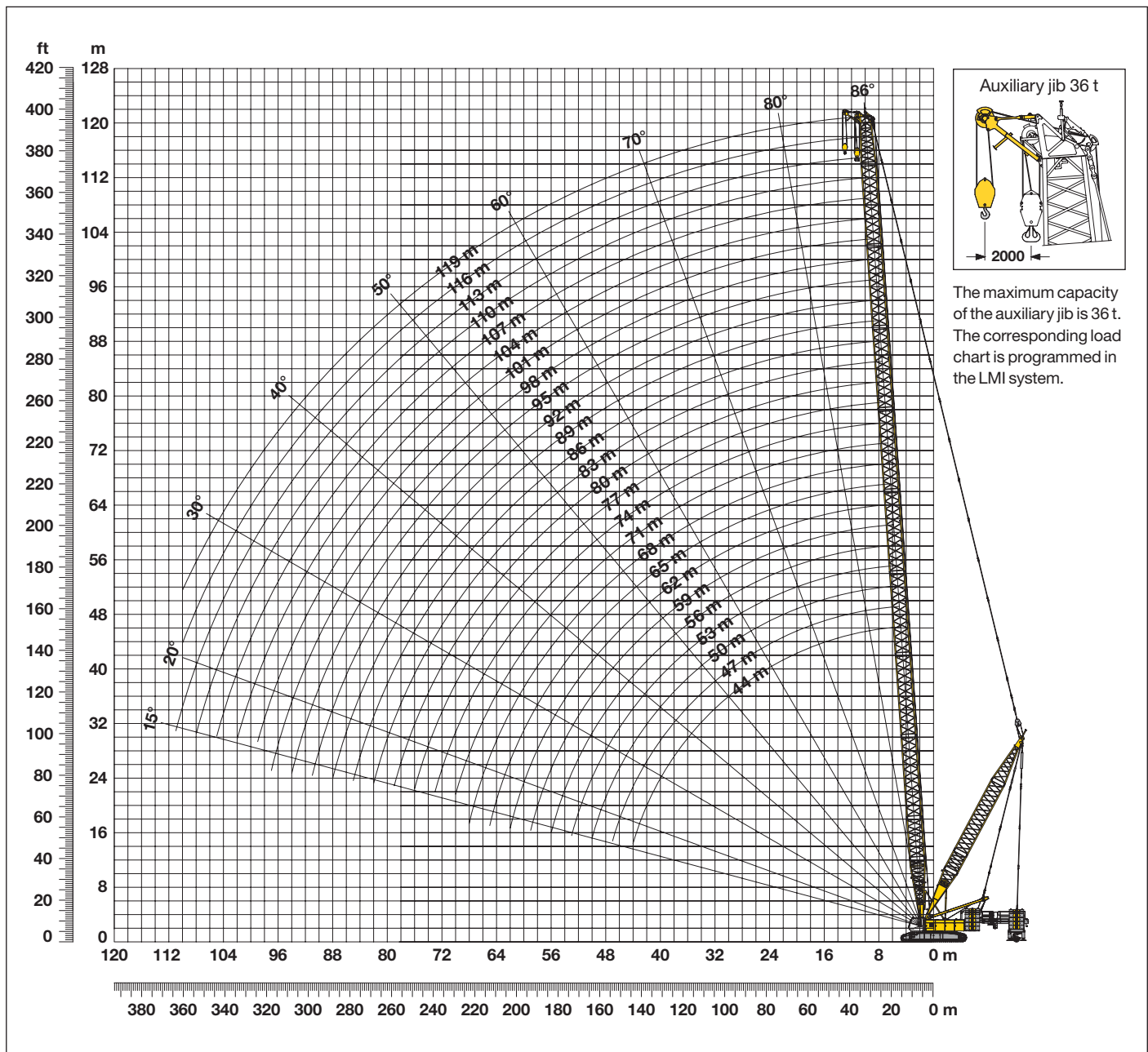
Radius	Suspended counterweight in metric tons at 13 m radius				
	0	50	75	90	120
(m)	(t)	(t)	(t)	(t)	(t)
11.2	41.5				
18	38.6	38.6			
28	26.2	33.4	33.4		
32	20.2	32.6	32.6	32.6	
42	11.2	26.2	31.9	31.9	31.9
44	11.7	25.9	31.9	31.9	31.9
46	10.3	23.9	30.8	31.9	31.9
48	9.0	22.1	28.8	31.9	31.9
50	7.8	20.4	26.9	30.6	31.9
55	5.3	16.7	22.6	26.1	31.9
60	3.3	14.1	19.0	22.2	28.6
65		11.5	16.1	19.0	24.9
70		9.3	13.9	16.2	21.7
75		7.3	11.6	14.2	18.9
80		5.7	9.7	12.1	16.5
85		4.2	7.9	10.2	14.4
90		2.9	6.4	8.5	12.5
95			5.0	7.0	10.8
100			3.8	5.7	9.3
105			2.6	4.4	7.9
110				3.3	6.6
115				2.2	2.6

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - main boom (No.2821.xx) 86° - 15°

124 t counterweight and 57 t carbody counterweight and
120 t wheeled counterweight carriage at 15.8 m radius



Main boom configuration (Table 1 – No. 2821.xx)

Configuration for boom lengths between 44 m and 119 m

	Length																												
Boom foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Boom section	3 m	1		1		1		1		1		1		1		1		1		1		1		1		1			
Boom section	6 m		1	1			1	1			1	1			1	1			1	1			1	1			1		
Boom section	12 m	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8		
Boom head	7 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Boom length (m)		44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113	116	119		

Lift chart – main boom (No. 2821.xx)

**124 t counterweight and 57 t carbody counterweight and
120 t wheeled counterweight carriage at 15.8 m radius**

Capacities in metric tons for boom lengths (44 m - 119 m) - with 215 kN winches

124 t counterweight and 57 t carbody counterweight and 120 t wheeled counterweight carriage

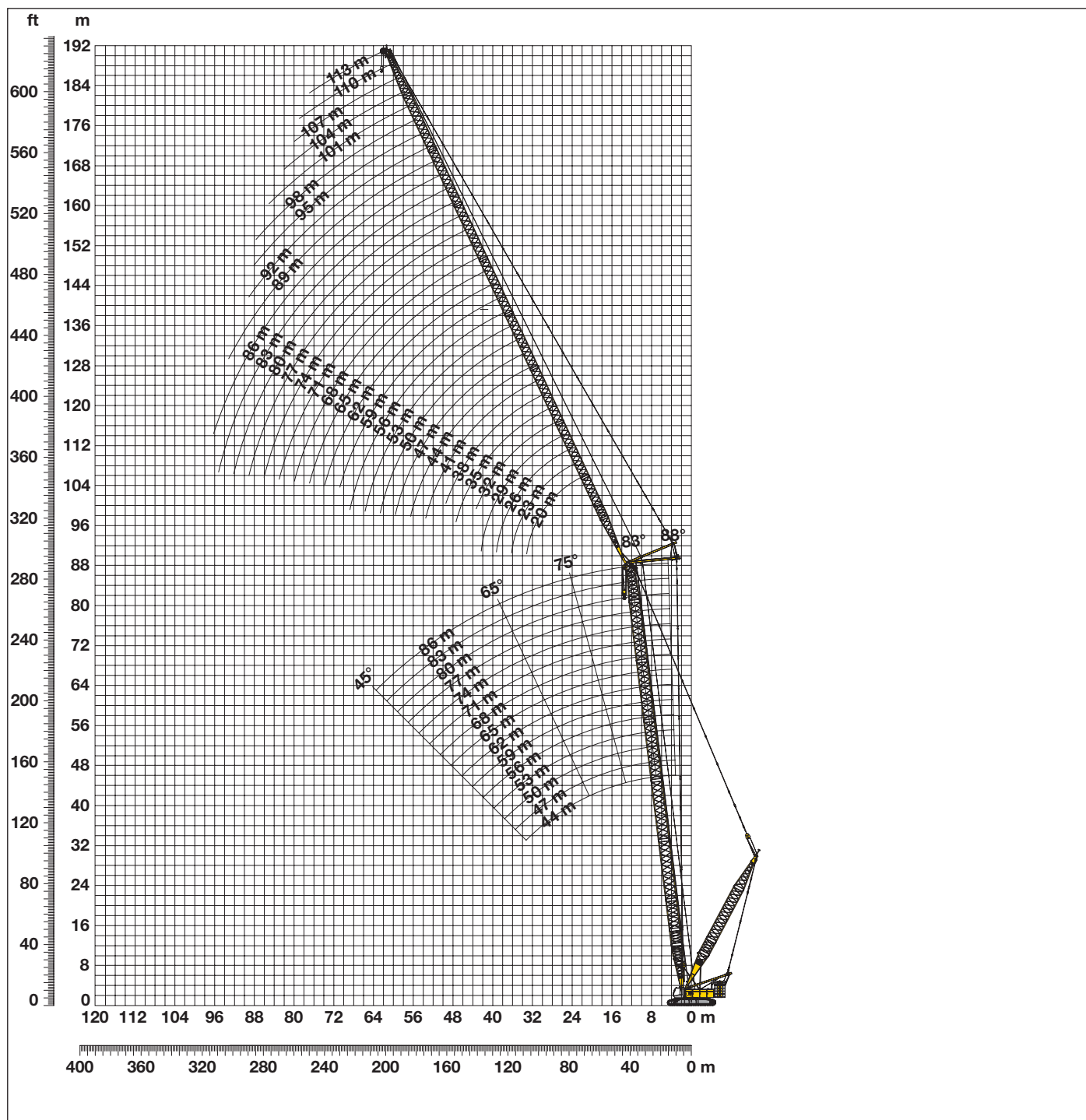
Radius	Boom length in (m)												Radius
	44	50	56	68	74	86	92	98	104	110	113	119	
(m)	t	t	t	t	t	t	t	t	t	t	t	t	(m)
8.9						92.2							8.9
9				147.9	129.9	92.2							9
10				144.5	126.9	92.2	79.2	68.5					10
12	236.6	211.2	182.5	139.4	122.1	90.2	77.8	67.7	59.0	51.4	47.9	41.5	12
14	219.4	201.0	175.6	134.7	118.0	88.4	76.5	66.2	57.7	50.4	47.1	41.0	14
16	188.8	188.3	168.7	131.4	114.9	86.0	74.5	64.9	56.6	49.2	45.9	39.7	16
18	169.1	164.1	163.2	126.2	111.6	84.2	72.8	63.3	55.1	48.0	44.8	38.6	18
20	149.6	149.3	144.7	121.8	107.3	82.3	71.6	62.0	53.9	46.7	43.4	36.9	20
22	133.8	133.5	133.2	118.2	103.6	79.1	69.2	60.1	52.5	45.7	42.4	35.7	22
24	120.9	120.6	120.3	114.9	100.6	76.4	66.6	58.7	51.2	44.6	41.3	34.8	24
26	110.1	109.8	109.5	105.4	98.1	74.1	64.4	58.2	50.3	43.7	40.4	34.0	26
28	101.0	100.5	100.3	99.5	95.6	72.2	62.5	58.0	50.1	43.1	39.7	33.4	28
30	93.0	92.7	92.4	91.5	91.0	71.5	60.9	58.0	50.1	42.9	39.4	32.9	30
32	86.2	85.9	85.6	84.7	84.2	71.3	60.3	57.9	50.1	42.8	39.3	32.6	32
34	80.1	79.8	79.5	78.6	78.1	71.1	59.9	57.9	50.1	42.7	39.1	32.4	34
36	74.7	74.4	74.2	73.2	72.9	71.0	59.6	57.9	50.1	42.7	39.0	32.1	36
38	70.0	69.7	69.5	68.6	68.1	67.0	59.3	57.9	50.1	42.7	38.9	31.9	38
40	65.7	65.4	65.2	64.3	63.8	62.7	59.0	57.9	50.1	42.7	38.9	31.9	40
42	61.8	61.5	61.3	60.4	59.9	59.0	58.2	57.7	50.1	42.7	38.9	31.9	42
44	58.1	58.1	57.9	57.1	56.5	55.5	55.0	54.4	50.1	42.7	38.9	31.9	44
46		54.9	54.7	53.9	53.3	52.3	51.8	51.2	49.2	42.7	38.9	31.9	46
48		51.9	51.7	50.9	50.4	49.4	48.9	48.3	47.7	42.4	38.9	31.9	48
50		49.2	49.0	48.2	47.7	46.7	46.2	45.6	45.0	42.1	38.9	31.9	50
55			43.2	42.5	42.0	41.0	40.5	39.9	39.4	38.7	38.4	31.9	55
60				37.6	37.1	36.2	35.6	35.1	34.5	33.9	33.7	31.9	60
65				33.5	33.0	32.1	31.6	31.0	30.4	29.8	29.6	29.0	65
70					29.5	28.6	28.1	27.5	27.0	26.4	26.2	25.5	70
75						25.5	25.0	24.5	23.9	23.3	23.1	22.3	75
80						22.8	22.4	21.8	21.3	20.7	20.5	19.4	80
85						20.4	20.0	19.5	18.9	18.3	18.1	16.5	85
90							17.9	17.4	16.9	16.3	16.1	14.1	90
95								15.4	15.0	14.4	14.2	12.3	95
100									13.4	12.7	12.5	10.7	100
105										11.3	11.0	9.4	105
110											9.6	6.6	110
115												2.6	115

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - main boom (No.2821.xx) 86° - 15°

124 t counterweight and 57 t carbody counterweight



Boom configuration for main boom lengths (44 m - 86 m) – see table 1 on page 4
Jib configuration for jib lengths (20 m - 113 m)

	Length	Amount of luffing jib extensions																																	
Luffing jib foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Luffing jib section	3 m		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		
Luffing jib section	6 m			1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	1		1	
Luffing jib section	12 m					1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	7	7
Luffing jib head	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Luffing jib length (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113		

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 88°

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
13.2	66.3							
16	58.4	47.0						
19	46.4	43.2	32.7					
22	38.1	35.9	31.0	23.0				
24	32.8	31.1	29.0	22.3	16.3			
26	30.2	28.6	26.4	21.7	16.0	13.7	11.7	
30	25.3	23.5	22.2	19.4	15.4	13.2	11.4	8.2
34	22.2	20.7	19.0	17.1	14.6	12.7	11.0	7.9
38	19.1	17.8	16.5	14.9	13.5	12.2	10.5	7.5
40	18.3	16.8	15.6	13.7	12.6	11.7	10.3	7.3
42	17.4	16.0	14.6	12.7	11.8	11.0	10.0	7.2
55		11.1	9.9	8.3	7.4	6.7	6.1	4.8
65			7.5	6.1	5.0	4.3	3.9	2.8
75				4.6	3.3	2.9	2.3	
80					2.6	2.1		
85					2.1			

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
13.4	61.5							
16	54.5	44.5						
19	44.1	40.7	31.2					
22	36.5	33.8	29.6	22.0				
24	31.7	29.5	27.6	21.5	15.7			
26	29.0	27.2	25.1	20.8	15.5	13.2	11.3	
30	24.5	22.6	21.0	18.5	15.0	12.8	11.1	8.0
34	21.5	20.0	18.1	16.2	13.8	12.2	10.6	7.6
38	18.7	17.2	15.8	14.1	12.6	11.5	10.1	7.3
40	17.8	16.2	14.9	13.0	11.8	11.0	9.8	7.1
42	16.9	15.5	14.0	12.0	11.0	10.3	9.5	6.9
44	15.8	14.6	13.0	11.4	10.2	9.6	8.9	6.8
55		10.8	9.5	7.9	7.0	6.3	5.7	4.5
65			7.3	5.9	4.7	4.1	3.7	2.5
75				4.3	3.1	2.7	2.2	
80					2.5			

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
13.9	50.7							
17	43.9	36.9						
19	38.7	34.8	26.9					
22	32.5	29.6	25.6	19.3				
24	28.8	26.1	23.8	19.0	14.0			
26	26.2	24.1	21.8	18.4	13.9	11.9		
28	24.4	22.3	19.7	17.6	13.8	11.8	10.1	
30	22.5	20.4	18.2	16.4	13.6	11.7	10.1	7.0
34	19.7	18.0	15.9	14.2	12.3	11.1	9.8	6.8
42	15.7	14.0	12.3	10.7	9.5	8.8	8.0	6.0
44	14.8	13.3	11.5	10.1	8.9	8.2	7.5	5.7
55		10.0	8.4	7.1	6.0	5.4	4.7	3.5
60			7.3	6.2	4.9	4.4	3.8	2.5
65			6.5	5.3	4.1	3.4	3.0	
70				4.4	3.4	2.7	2.1	
75				3.9	2.7	2.1		

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
14.3	39.7							
17	37.5	29.5						
20	31.8	27.9	21.5					
22	28.8	25.6	21.0	15.7				
26	23.5	21.2	18.7	15.2	11.3	9.7		
28	22.0	19.7	17.1	14.8	11.3	9.6	8.1	
30	20.5	18.2	15.9	13.9	11.2	9.6	8.1	5.3
34	18.0	16.1	14.0	12.2	10.2	9.1	7.9	5.3
38	16.0	14.2	12.2	10.8	9.1	8.2	7.2	5.1
40	15.0	13.3	11.6	10.1	8.6	7.7	6.8	4.8
42	14.4	12.7	10.9	9.3	8.0	7.2	6.4	4.6
44	13.7	12.1	10.3	8.8	7.5	6.8	6.0	4.3
55		9.1	7.6	6.1	5.0	4.4	3.7	2.5
65			5.8	4.5	3.3	2.7	2.2	
70				3.8	2.7	2.1		
75				3.3	2.1			

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
14.5	35.0							
17	33.7	26.1						
20	29.1	25.1	19.1					
22	26.4	23.5	18.6	14.0				
26	21.7	19.8	16.9	13.6	10.1	8.5		
28	20.4	18.5	15.8	13.3	10.0	8.5	7.1	
30	19.0	17.2	14.7	12.6	9.9	8.4	7.0	4.5
34	16.8	15.2	13.0	11.3	9.2	8.1	6.9	4.4
38	15.0	13.4	11.4	10.0	8.3	7.3	6.3	4.3
42	13.6	12.0	10.2	8.7	7.3	6.5	5.7	3.8
44	12.9	11.4	9.6	8.1	6.8	6.1	5.3	3.6
50		9.6	8.1	6.8	5.4	4.7	4.1	2.7
60			6.1	4.9	3.6	3.1	2.5	
65			5.4	4.2	2.9	2.3		
70				3.4	2.3			
75				3.0				

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
14.7	30.8							
18	29.0	22.8						
20	26.8	22.0	16.8					
24	22.4	19.1	15.9	12.2				
26	20.3	17.7	15.2	12.0	8.7	7.3		
28	19.2	16.6	14.4	11.7	8.7	7.3	6.0	
30	17.9	15.5	13.6	11.3	8.6	7.2	6.0	3.6
34	15.8	13.7	12.1	10.3	8.1	7.0	5.8	3.5
38	14.2	12.1	10.6	9.1	7.4	6.4	5.4	3.4
42	12.8	10.9	9.5	7.9	6.5	5.8	5.0	3.1
44	12.2	10.4	8.9	7.4	6.1	5.4	4.6	2.9
50		8.8	7.5	6.2	4.8	4.1	3.5	2.2
60			5.6	4.5	3.2	2.6	2.0	
65			5.0	3.8	2.5			
70				3.0				
75				2.6				

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 83°

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
20.6	50.5							
26	38.3	37.3						
28	35.0	34.0	29.6					
32	29.7	29.1	28.2	21.0				
36	25.9	25.0	24.1	20.4	15.1			
38	24.2	23.3	22.4	20.0	14.9	12.6		
40	22.6	21.8	20.9	19.6	14.7	12.5	10.6	
42	21.2	20.4	19.5	18.6	14.4	12.2	10.5	7.3
44	20.0	19.2	18.3	17.4	14.1	12.0	10.3	7.3
46	18.8	18.0	17.2	16.3	13.8	11.7	10.1	7.1
55		14.0	13.2	12.3	11.4	10.6	9.3	6.5
70			8.8	8.0	7.2	6.8	6.3	5.2
80				5.8	5.0	4.9	4.4	3.5
85					4.1	3.7	3.6	2.8
90					3.4	2.9	2.4	2.1
95						2.3		

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
21.3	47.7							
26	37.7	36.7						
30	31.6	30.7	28.2					
32	29.2	28.6	27.6	20.2				
36	25.5	24.6	23.6	19.8	14.6			
38	23.8	22.9	22.0	19.4	14.5	12.2		
40	22.3	21.4	20.5	19.0	14.3	12.1	10.3	
44	19.6	18.8	17.9	17.0	13.8	11.7	10.1	7.0
46	18.5	17.7	16.8	15.9	13.5	11.4	9.9	7.0
48	17.4	16.7	15.8	14.9	13.2	11.2	9.7	6.8
60		12.0	11.3	10.4	9.5	9.1	8.4	6.0
70			8.6	7.8	7.0	6.5	6.1	4.9
80				5.9	5.0	4.7	4.2	3.3
85					4.1	3.7	3.4	2.5
90					3.4	2.9	2.4	
95						2.3		

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
22.7	42.8							
28	33.2	32.2						
30	30.5	29.6	25.5					
34	26.4	25.4	24.4	18.3				
38	22.9	22.0	21.0	17.8	13.4			
40	21.4	20.5	19.6	17.5	13.3	11.2		
42	20.1	19.2	18.3	17.0	13.0	11.1	9.6	
44	18.9	18.0	17.1	16.1	12.8	10.9	9.5	6.5
46	17.8	17.0	16.0	15.1	12.5	10.7	9.3	6.5
48	16.8	16.0	15.1	14.1	12.3	10.5	9.1	6.4
60		11.5	10.7	9.8	8.9	8.4	7.9	5.5
70			8.1	7.3	6.4	6.0	5.5	4.5
80				5.4	4.6	4.2	3.7	2.8
85					3.7	3.4	3.0	2.1
90					3.1	2.5	2.2	
95					2.3	2.0		

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
24.2	36.4							
28	31.8	27.7						
32	27.2	26.2	21.0					
36	23.4	22.5	20.5	15.8				
40	20.4	19.5	18.5	15.4	11.7	10.0		
42	19.2	18.2	17.3	15.3	11.6	9.9	8.4	
46	17.0	16.1	15.1	14.0	11.3	9.7	8.3	5.5
48	16.0	15.1	14.2	13.2	11.0	9.5	8.1	5.4
50	15.1	14.3	13.4	12.4	10.6	9.3	8.0	5.4
60		10.8	10.0	9.1	8.1	7.7	7.1	4.9
65			8.7	7.8	6.9	6.4	5.9	4.6
70			7.6	6.7	5.7	5.3	4.9	3.9
80				4.9	4.0	3.6	3.1	2.1
85				4.2	3.1	2.8	2.4	
90					2.6			
95					2.0			

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
24.9	32.0							
30	28.4	24.6						
32	26.6	24.2	18.7					
36	22.8	21.7	18.3	14.2				
40	19.9	18.9	17.2	13.9	10.4			
42	18.7	17.7	16.2	13.7	10.4	8.8		
44	17.5	16.6	15.2	13.3	10.2	8.7	7.3	
46	16.4	15.5	14.4	12.7	10.1	8.7	7.3	4.7
48	15.6	14.6	13.6	12.2	10.0	8.6	7.2	4.6
50	14.7	13.9	12.8	11.6	9.6	8.5	7.1	4.6
60		10.5	9.6	8.5	7.6	7.0	6.2	4.1
65			8.2	7.4	6.4	5.9	5.4	3.8
75			6.2	5.3	4.4	3.8	3.3	2.5
80				4.6	3.6	3.2	2.6	
85				3.9	2.8	2.5	2.0	
90					2.3			

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
25.7	28.3							
30	26.9	21.6						
34	23.6	20.8	16.4					
38	20.5	18.5	16.1	12.5				
40	19.2	17.4	15.6	12.3	9.1			
42	18.0	16.5	14.8	12.2	9.1	7.6		
44	16.9	15.5	14.1	11.9	9.0	7.6	6.3	
48	15.0	13.6	12.7	11.0	8.8	7.5	6.2	3.8
50	14.1	13.0	12.0	10.5	8.5	7.4	6.1	3.8
55		11.3	10.2	9.2	7.7	6.8	5.8	3.6
60		10.0	9.0	7.8	6.8	6.1	5.2	3.4
65			7.8	6.7	5.7	5.2	4.6	3.0
70			6.9	5.8	4.5	4.2	3.7	2.6
75			6.0	4.9	3.9	3.2	2.8	
80				4.2	3.2	2.7	2.1	
85				3.6	2.4	2.1		

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 75°

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
31.9	26.3							
36	22.6							
38	21.0	20.0						
40	19.7	18.7						
44	17.3	16.4	15.3					
46	16.3	15.4	14.4					
48	15.4	14.5	13.5	12.4				
50	14.5	13.6	12.6	11.6				
55		11.8	10.9	9.9	8.9	8.4		
60		10.3	9.4	8.4	7.5	7.0	6.5	
65		9.0	8.2	7.2	6.3	5.8	5.3	4.3
70			7.1	6.2	5.2	4.8	4.3	3.3
75			6.1	5.3	4.3	3.9	3.4	2.4
80				4.5	3.6	3.1	2.6	
85				3.8	2.9	2.4		
90					2.3			

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
33.5	23.7							
36	21.6							
38	20.1							
40	18.8	17.7						
42	17.6	16.6						
44	16.5	15.5	14.5					
46	15.6	14.6	13.5					
48	14.7	13.7	12.7					
50	13.8	12.9	11.9	10.8				
55	12.0	11.2	10.2	9.2	8.1			
60		9.7	8.8	7.8	6.8	6.3	5.7	
65		8.5	7.6	6.6	5.6	5.2	4.6	3.6
70			6.6	5.6	4.7	4.2	3.7	2.7
75			5.7	4.8	3.8	3.3	2.8	
80				4.0	3.1	2.6	2.1	
85				3.3	2.4			

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	
(m)	t	t	t	t	t	t	t	
36.6	19.0							
38	18.0							
40	16.8							
42	15.7	14.6						
44	14.8	13.7						
46	13.9	12.8						
48	13.1	12.0	10.9					
50	12.3	11.3	10.2					
55	10.7	9.7	8.7	7.6				
60		8.4	7.4	6.3	5.3	4.8		
65		7.3	6.3	5.3	4.3	3.8	3.2	
70		6.3	5.4	4.4	3.4	2.9	2.4	
75			4.6	3.6	2.6	2.2		
80			3.9	2.9				
85				2.3				

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95		
(m)	t	t	t	t	t	t		
39.7	14.7							
40	14.6							
42	13.6							
44	12.7							
46	11.9	10.8						
48	11.2	10.1						
50	10.5	9.4	8.3					
55	9.1	8.0	6.9	5.8				
60	7.8	6.9	5.8	4.7	3.6			
65		5.9	4.9	3.8	2.7	2.2		
70		5.0	4.1	3.0				
75			3.4	2.3				
80			2.7					

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77				
(m)	t	t	t	t				
41.2	12.8							
42	12.4							
44	11.6							
46	10.9							
48	10.2	9.0						
50	9.6	8.4						
55	8.2	7.2	6.0					
60	7.1	6.1	5.0	3.9				
65		5.2	4.1	3.0				
70		4.4	3.3	2.3				
75			2.7					
80			2.1					

Main boom 86 m

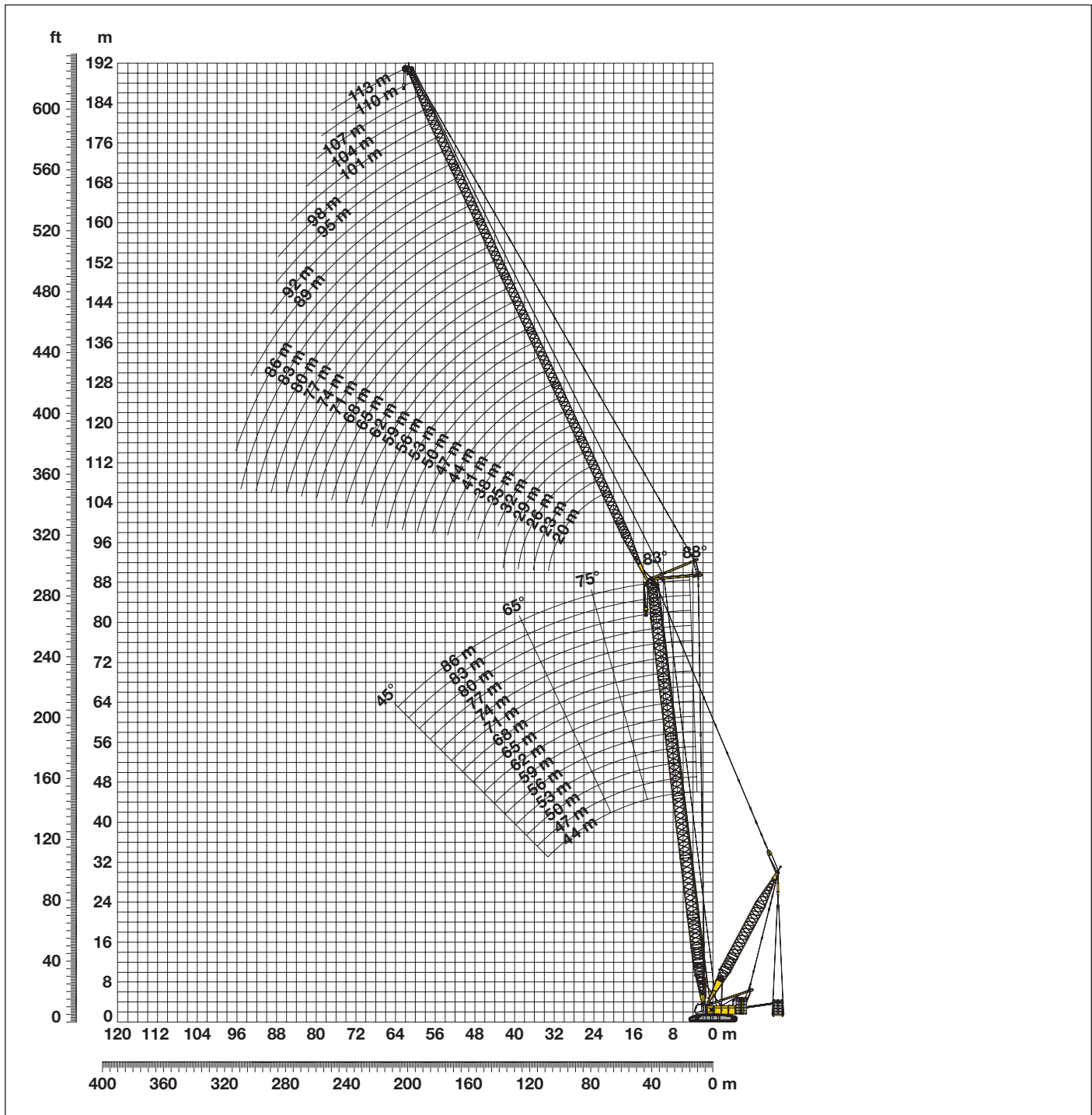
Radius	Jib length in (m)							
	41	53	65	77				
(m)	t	t	t	t				
42.8	10.9							
44	10.4							
46	9.7							
48	9.1	7.9						
50	8.5	7.4						
55	7.3	6.2	5.0					
60	6.2	5.2	4.1	2.9				
65		4.3	3.3	2.1				
70		3.6	2.6					
75		2.9						

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - luffing jib (No.2316.xx) 78° - 15°

124 t counterweight and 57 t carbody counterweight

120 t suspended counterweight at 13 m radius



Boom configuration for main boom lengths (44 m - 86 m) – see table 1 on page 4

Jib configuration for jib lengths (20 m - 113 m)

	Length	Amount of luffing jib extensions																																							
Luffing jib foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Luffing jib section	3 m		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1
Luffing jib section	6 m			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1
Luffing jib section	12 m					1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7
Luffing jib head	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Luffing jib length (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113								

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 75°

max. 120 t suspended counterweight at 13 m radius

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
32	52.2							
38	45.3	38.5						
44	36.5	34.6	26.9					
48	30.8	30.4	26.2	18.8				
50	28.9	28.5	25.7	18.8				
55		25.1	22.6	18.1	13.3	10.9		
60		21.6	20.2	17.2	12.8	10.7	9.1	
65		17.7	18.0	16.1	12.3	10.3	8.9	6.0
70			15.9	14.6	11.8	10.0	8.6	5.8
75			13.6	13.0	11.2	9.5	8.3	5.6
80				11.4	10.3	9.0	8.0	5.3
85				9.8	9.3	8.4	7.5	5.0
90					8.2	7.7	7.0	4.4
95					7.0	6.8	6.3	3.3
105						4.3	4.6	
110							3.3	

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
33.5	50.4							
40	44.0	37.0						
44	38.2	35.3	26.1					
50	29.7	29.7	25.3	18.2				
55	24.4	26.0	23.1	17.8	12.9			
60		22.2	20.6	17.1	12.6	10.5	8.9	
65		19.0	18.6	16.1	12.2	10.2	8.7	5.8
70			16.3	14.9	11.7	9.8	8.4	5.7
75			14.4	13.4	11.2	9.4	8.2	5.5
80				11.8	10.3	9.0	7.9	5.2
85				10.4	9.5	8.4	7.5	4.9
90					8.5	7.8	7.0	4.6
95					7.4	7.1	6.5	3.5
100					6.0	6.1	5.9	2.3
105						4.9	5.0	
110							3.8	

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
36.6	45.3							
42	42.3	33.5						
48	34.0	32.4	23.7					
55	25.8	27.0	22.6	16.7				
60		23.0	20.7	16.3	11.9	9.9		
65		19.4	18.7	15.7	11.6	9.7	8.3	
70		16.2	16.5	15.1	11.2	9.4	8.1	5.3
75			14.4	13.8	10.7	9.1	7.8	5.2
80			12.3	12.4	10.2	8.7	7.6	5.0
85				11.0	9.6	8.3	7.3	4.7
90				9.4	8.8	7.8	6.9	4.4
95					8.0	7.3	6.5	3.9
100					6.8	6.6	6.0	2.9
105						5.5	5.3	
110						4.1	4.4	
115							3.2	

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
39.7	36.3							
46	33.1	28.3						
50	30.1	27.1	21.0					
55	25.2	24.9	20.5	15.1				
60	21.7	22.2	19.7	14.9	10.8			
65		18.7	18.7	14.4	10.6	9.0	7.6	
70		16.4	16.3	13.9	10.3	8.8	7.5	
75			13.6	13.2	9.9	8.5	7.3	4.8
80			12.0	11.7	9.5	8.1	7.0	4.6
85				10.0	8.9	7.8	6.7	4.3
90				8.9	8.0	7.2	6.4	4.0
95				7.5	7.0	6.5	5.8	3.7
100					6.2	5.8	5.2	3.1
105					5.1	5.0	4.5	2.2
110						4.1	3.8	
115							3.1	

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
42	31.1							
48	28.3	24.6						
50	27.3	24.0						
55	24.0	22.4	18.6					
60	20.8	20.7	17.5	14.0				
65		18.0	16.5	13.6	10.0	8.4		
70		15.7	15.0	13.0	9.7	8.3	7.0	
75			13.0	12.4	9.4	8.0	6.9	4.4
80			11.4	11.1	9.0	7.7	6.6	4.2
85			9.9	9.5	8.4	7.4	6.3	4.0
90				8.3	7.5	6.8	6.1	3.7
95				7.2	6.5	6.0	5.5	3.5
100					5.6	5.2	4.8	3.1
105					4.8	4.4	4.0	2.3
110						3.7	3.3	
115						2.7	2.7	

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
42.8	26.6							
48	24.9	20.7						
50	24.1	20.4						
55	22.0	18.9	16.2					
60	19.8	17.4	15.2	12.4				
65		15.8	14.2	11.9	9.1			
70		14.1	13.2	11.3	8.9	7.6	6.4	
75		12.5	11.9	10.6	8.5	7.4	6.3	3.9
80			10.6	9.7	7.9	6.9	6.0	3.8
85			9.5	8.6	7.3	6.5	5.6	3.6
90				7.6	6.6	5.9	5.1	3.3
95				6.7	5.7	5.2	4.6	3.0
100					4.9	4.5	4.0	2.7
105					4.3	3.8	3.4	2.1
110					3.4	3.2	2.7	
115						2.5	2.2	

Suspended counterweight

120 t

90 t

75 t

50 t

0 t

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 65°

max. 120 t suspended counterweight at 13 m radius

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
46	43.9							
48	42.2							
50	39.2							
55	33.1	31.0						
60	28.2	26.8	23.1					
65		23.5	21.3					
70		20.9	19.2	16.4				
75			17.2	15.3	11.3			
80			15.5	14.0	11.1	9.2	7.7	
85				12.4	10.7	9.0	7.7	
90				11.3	9.9	8.7	7.5	4.7
95				9.9	9.0	8.2	7.3	4.5
100					8.3	7.6	6.8	4.3
105					7.3	6.9	6.3	3.2
110						6.2	5.7	
115							4.9	

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
48	43.4							
50	42.6							
55	35.9	31.6						
60	30.6	28.8						
65		25.3	22.4					
70		22.1	20.0	15.9				
75		19.3	18.2	15.6				
80			16.3	14.6	10.9	8.9		
85			14.6	13.2	10.7	8.8	7.4	
90				11.8	10.2	8.7	7.4	4.5
95				10.7	9.5	8.3	7.3	4.4
100					8.6	7.8	6.9	4.2
105					7.9	7.3	6.5	3.7
110						6.6	6.0	2.4
115						5.7	5.4	
120							4.5	

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
55	36.0							
60	32.5	30.5						
65	29.5	28.5						
70		24.8	21.2					
75		21.7	19.4	14.8				
80		19.0	17.6	14.7				
85			15.7	14.3	10.1	8.3		
90			14.1	13.0	10.0	8.3	6.9	
95				11.7	9.7	8.2	6.9	4.0
100				10.7	9.2	8.0	6.8	4.0
105					8.6	7.6	6.6	3.9
110					7.9	7.2	6.3	3.5
115						6.6	5.9	2.3
120						5.7	5.3	
125							4.5	

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
60	30.1							
65	27.4	26.2						
70	25.0	23.9						
75		21.9	19.1					
80		20.1	18.8	13.4				
85		18.4	17.2	13.4				
90			15.5	13.2	9.2	7.6		
95			14.0	12.4	9.1	7.6	6.3	
100				11.5	9.0	7.5	6.3	3.5
105				10.6	8.7	7.4	6.2	3.5
110					8.3	7.3	6.1	3.4
115					7.7	7.0	5.9	3.2
120						6.4	5.7	2.1
125						5.6	5.1	
130							4.4	

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
60.5	28.6							
65	26.2							
70	23.9	22.7						
75	21.5	20.8	17.8					
80		19.1	17.7					
85		17.6	16.5	12.6				
90			15.2	12.6	8.6			
95			14.0	12.2	8.6	7.1	5.9	
100				11.7	8.6	7.1	5.9	
105				10.9	8.4	7.1	5.9	3.2
110				9.8	8.2	7.0	5.8	3.2
115					7.8	6.8	5.7	3.1
120					7.1	6.5	5.6	2.5
125						5.9	5.2	
130							4.7	

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
65	24.9							
70	22.7	19.4						
75	20.8	19.0						
80		18.0	15.0					
85		16.5	14.7	11.3				
90		15.2	14.2	11.2				
95			13.1	11.1	7.9	6.6		
100			12.0	10.8	7.9	6.6	5.4	
105				10.1	7.8	6.5	5.4	2.9
110				9.3	7.6	6.4	5.3	2.9
115					7.4	6.3	5.2	2.8
120					6.8	6.1	5.1	2.7
125						5.7	5.0	
130						5.2	4.6	
135							4.0	

Suspended counterweight

120 t

90 t

75 t

50 t

0 t

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 45°

max. 120 t suspended counterweight at 13 m radius

Main boom 44 m

Radius	Jib length in (m)						
	41	53	65	77	89	95	101
(m)	t	t	t	t	t	t	t
67.6	27.3						
70	26.2						
80		21.1					
85		19.4					
90			16.3				
95			14.8				
100				11.9			
105				10.7			
110					8.5		
115					7.8	7.2	
120						6.6	5.8
125						5.9	5.2
130							4.6
							2.0

Main boom 50 m

Radius	Jib length in (m)						
	41	53	65	77	89	95	101
(m)	t	t	t	t	t	t	t
71.9	23.9						
75	22.7						
85		18.2					
95			14.6				
100			13.5				
105				11.5			
110				10.6			
115					8.3		
120					7.7	7.0	
125						6.5	5.6
130							5.1
135							4.5
140							

Main boom 62 m

Radius	Jib length in (m)						
	41	53	65	77	89	95	101
(m)	t	t	t	t	t	t	t
80.3	18.1						
85	16.7						
95		13.3					
100			11.2				
105			10.3				
110				8.4			
115				7.7			
120				7.1	6.0		
125					5.4	4.9	
130					4.9	4.4	3.8
135						3.9	3.3
140							2.8

Main boom 74 m

Radius	Jib length in (m)						
	41	53	65	77	89		
(m)	t	t	t	t	t		
88.8	13.0						
90	12.8						
100		9.8					
105		9.0					
110			7.1				
115			6.5				
120				4.8			
125				4.3			
130					2.7		
135					2.3		
140							
145							

Main boom 80 m

Radius	Jib length in (m)						
	41	53	65	77			
(m)	t	t	t	t			
93.1	10.8						
95	10.4						
105		7.7					
110		7.1					
115			5.3				
120			4.8				
125				3.2			
130				2.8			
135							
140							
145							

Main boom 86 m

Radius	Jib length in (m)						
	41	53	65				
(m)	t	t	t				
97.3	8.6						
100	8.2						
110		5.8					
120			3.6				
125			3.1				
130							
135							

Suspended counterweight

120 t

90 t

75 t

50 t

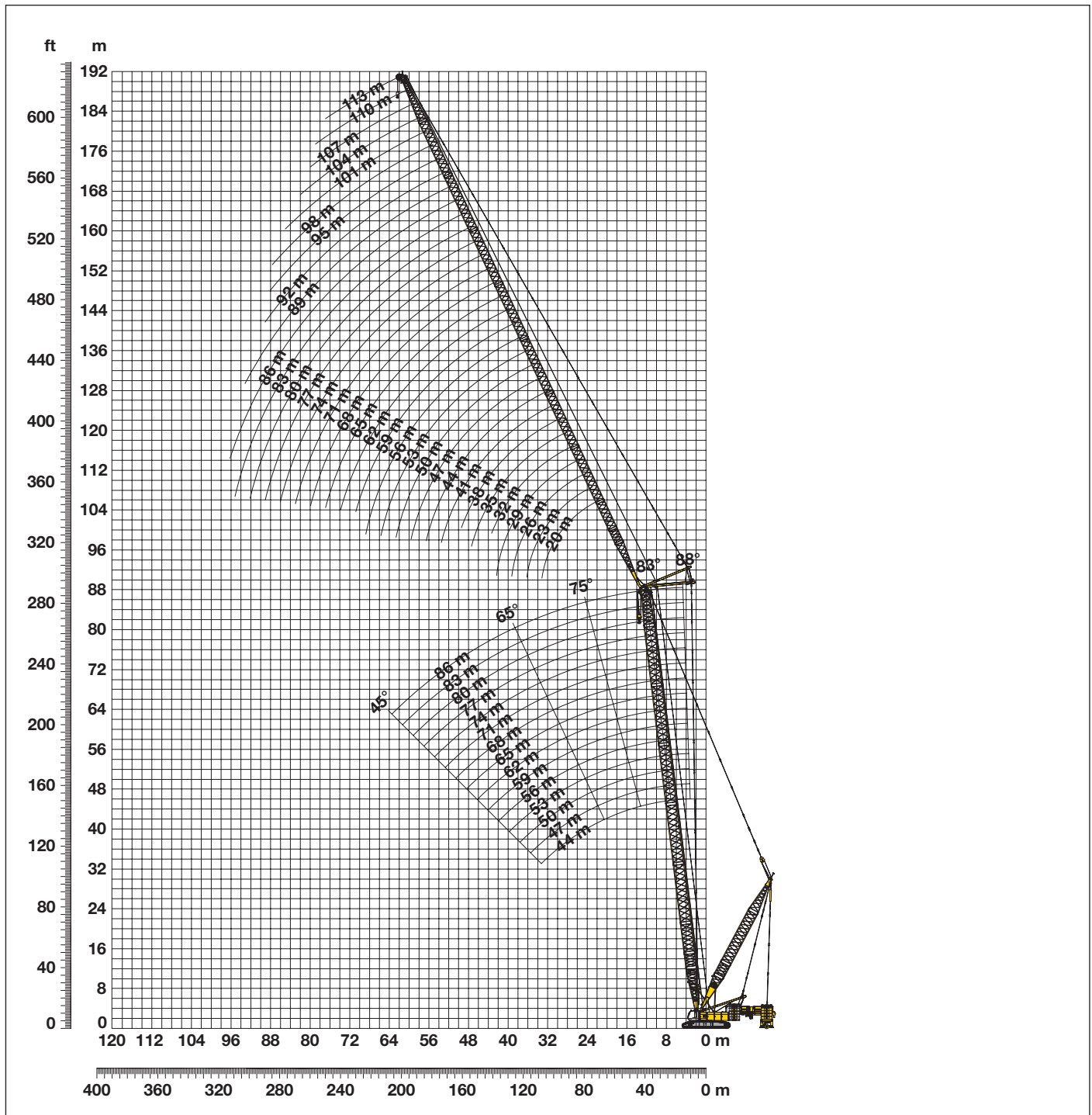
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Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Working range - luffing jib (No.2316.xx) 78° - 15°

124 t counterweight and 57 t carbody counterweight

120 t wheeled counterweight carriage from 12.2 m - 15.8 m radius



Boom configuration for main boom lengths (44 m - 86 m) – see table 1 on page 4

Jib configuration for jib lengths (20 m - 113 m)

	Length	Amount of luffing jib extensions																																
Luffing jib foot	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Luffing jib section	3 m		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1		1	
Luffing jib section	6 m			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1	
Luffing jib section	12 m					1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	7
Luffing jib head	10 m	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Luffing jib length (m)		20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98	101	104	107	110	113	

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 75°

120 t wheeled counterweight carriage at 15.8 m radius

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
32	52.2							
38	45.3	38.5						
44	36.5	34.6	26.9					
48	30.8	30.4	26.2	18.8				
50	28.9	28.5	25.7	18.8				
55		25.1	22.6	18.1	13.3	10.9		
60		21.6	20.2	17.2	12.8	10.7	9.1	
65		17.7	18.0	16.1	12.3	10.3	8.9	6.0
70			15.9	14.6	11.8	10.0	8.6	5.8
75			13.6	13.0	11.2	9.5	8.3	5.6
80				11.4	10.3	9.0	8.0	5.3
85				9.8	9.3	8.4	7.5	5.0
90					8.2	7.7	7.0	4.4
95					7.0	6.8	6.3	3.3
105						4.3	4.6	
110							3.3	

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
33.5	50.4							
40	44.0	37.0						
44	38.2	35.3	26.1					
50	29.7	29.7	25.3	18.2				
55	24.4	26.0	23.1	17.8	12.9			
60		22.2	20.6	17.1	12.6	10.5	8.9	
65			19.0	18.6	16.1	12.2	10.2	8.7
70				16.3	14.9	11.7	9.8	8.4
75				14.4	13.4	11.2	9.4	8.2
80					11.8	10.3	9.0	7.9
85					10.4	9.5	8.4	7.5
90						8.5	7.8	7.0
95						7.4	7.1	6.5
100						6.0	6.1	5.9
105							4.9	5.0
110								3.8

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
36.6	45.3							
42	42.3	33.5						
48	34.0	32.4	23.7					
55	25.8	27.0	22.6	16.7				
60		23.0	20.7	16.3	11.9	9.9		
65		19.4	18.7	15.7	11.6	9.7	8.3	
70		16.2	16.5	15.1	11.2	9.4	8.1	5.3
75			14.4	13.8	10.7	9.1	7.8	5.2
80			12.3	12.4	10.2	8.7	7.6	5.0
85				11.0	9.6	8.3	7.3	4.7
90				9.4	8.8	7.8	6.9	4.4
95					8.0	7.3	6.5	3.9
100					6.8	6.6	6.0	2.9
105						5.5	5.3	
110						4.1	4.4	
115							3.2	

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
39.7	36.3							
46	33.1	28.3						
50	30.1	27.1	21.0					
55	25.2	24.9	20.5	15.1				
60	21.7	22.2	19.7	14.9	10.8			
65		18.7	18.7	14.4	10.6	9.0	7.6	
70		16.4	16.3	13.9	10.3	8.8	7.5	
75			13.6	13.2	9.9	8.5	7.3	4.8
80			12.0	11.7	9.5	8.1	7.0	4.6
85				10.0	8.9	7.8	6.7	4.3
90				8.9	8.0	7.2	6.4	4.0
95				7.5	7.0	6.5	5.8	3.7
100					6.2	5.8	5.2	3.1
105					5.1	5.0	4.5	2.2
110						4.1	3.8	
115							3.1	

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
41.2	30.0							
48	28.3	24.6						
50	27.3	24.0						
55	24.0	22.4	18.6					
60	20.8	20.7	17.5	14.0				
65		18.0	16.5	13.6	10.0	8.4		
70		15.7	15.0	13.0	9.7	8.3	7.0	
75			13.0	12.4	9.4	8.0	6.9	4.4
80			11.4	11.1	9.0	7.7	6.6	4.2
85			9.9	9.5	8.4	7.4	6.3	4.0
90				8.3	7.5	6.8	6.1	3.7
95				7.2	6.5	6.0	5.5	3.5
100					5.6	5.2	4.8	3.1
105					4.8	4.4	4.0	2.3
110						3.7	3.3	
115						2.7	2.7	

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
42.8	26.6							
48	24.9	20.7						
50	24.1	20.4						
55	22.0	18.9	16.2					
60	19.8	17.4	15.2	12.4				
65		15.8	14.2	11.9	9.1			
70		14.1	13.2	11.3	8.9	7.6	6.4	
75		12.5	11.9	10.6	8.5	7.4	6.3	3.9
80			10.6	9.7	7.9	6.9	6.0	3.8
85			9.5	8.6	7.3	6.5	5.6	3.6
90				7.6	6.6	5.9	5.1	3.3
95				6.7	5.7	5.2	4.6	3.0
100					4.9	4.5	4.0	2.7
105					4.3	3.8	3.4	2.1
110					3.4	3.2	2.7	
115						2.5	2.2	

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 65°
120 t wheeled counterweight carriage at 15.8 m radius

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
46	43.9							
48	42.2							
50	39.2							
55	33.1	31.0						
60	28.2	26.8	23.1					
65		23.5	21.3					
70		20.9	19.2	16.4				
75			17.2	15.3	11.3			
80			15.5	14.0	11.1	9.2	7.7	
85				12.4	10.7	9.0	7.7	
90				11.3	9.9	8.7	7.5	4.7
95				9.9	9.0	8.2	7.3	4.5
100					8.3	7.6	6.8	4.3
105					7.3	6.9	6.3	3.2
110						6.2	5.7	
115							4.9	

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
48	43.4							
50	42.6							
55	35.9	31.6						
60	30.6	28.8						
65		25.3	22.4					
70		22.1	20.0	15.9				
75		19.3	18.2	15.6				
80			16.3	14.6	10.9	8.9		
85			14.6	13.2	10.7	8.8	7.4	
90				11.8	10.2	8.7	7.4	4.5
95				10.7	9.5	8.3	7.3	4.4
100					8.6	7.8	6.9	4.2
105					7.9	7.3	6.5	3.7
110						6.6	6.0	2.4
115						5.7	5.4	
120							4.5	

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
55	41.0							
60	35.4	30.5						
65	30.2	28.5						
70		24.8	21.2					
75		21.7	19.4	14.8				
80		19.0	17.6	14.7				
85			15.7	14.3	10.1	8.3		
90			14.1	13.0	10.0	8.3	6.9	
95				11.7	9.7	8.2	6.9	4.0
100				10.7	9.2	8.0	6.8	4.0
105					8.6	7.6	6.6	3.9
110					7.9	7.2	6.3	3.5
115						6.6	5.9	2.3
120						5.7	5.3	
125							4.5	

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
60	34.6							
65	31.4	27.3						
70	28.7	26.7						
75		24.4	19.1					
80		21.4	18.8	13.4				
85		18.9	17.2	13.4				
90			15.5	13.2	9.2	7.6		
95			14.0	12.4	9.1	7.6	6.3	
100				11.5	9.0	7.5	6.3	3.5
105				10.6	8.7	7.4	6.2	3.5
110					8.3	7.3	6.1	3.4
115					7.7	7.0	5.9	3.2
120						6.4	5.7	2.1
125						5.6	5.1	
130							4.4	

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
65	30.1							
70	27.8	23.9						
75	25.4	23.5	17.8					
80		22.0	17.7					
85		20.1	17.1	12.6				
90			15.9	12.6	8.6			
95			14.6	12.2	8.6	7.1	5.9	
100				11.7	8.6	7.1	5.9	
105				10.9	8.4	7.1	5.9	3.2
110				9.8	8.2	7.0	5.8	3.2
115					7.8	6.8	5.7	3.1
120					7.1	6.5	5.6	2.5
125						5.9	5.2	
130							4.7	

Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
63	25.0							
65	25.3							
70	24.1	19.4						
75	22.8	19.0						
80		18.1	15.0					
85		17.2	14.7	11.3				
90		16.2	14.2	11.2				
95			13.6	11.1	7.9	6.6		
100			12.9	10.8	7.9	6.6	5.4	
105				10.5	7.8	6.5	5.4	2.9
110				9.8	7.6	6.4	5.3	2.9
115					7.4	6.3	5.2	2.8
120					7.0	6.1	5.1	2.7
125						5.8	5.0	
130						5.2	4.6	
135							4.0	

Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator’s cab or manual.

Lift chart – luffing jib (No. 2316.xx)

Main boom angle 45°

120 t wheeled counterweight carriage at 15.8 m radius

Main boom 44 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	113
(m)	t	t	t	t	t	t	t	t
67.6	30.1							
70	29.9							
80		22.2						
85		19.8						
90			16.3					
95			14.8					
100				11.9				
105				10.7				
110					8.5			
115					7.8	7.2		
120						6.6	5.8	
125						5.9	5.2	
130							4.6	2.0

Main boom 50 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	
(m)	t	t	t	t	t	t	t	
71.9	27.7							
75	26.3							
85		21.4						
95			16.0					
100			14.6					
105				11.6				
110				10.6				
115					8.3			
120					7.7	7.0		
125						6.5	5.6	
130							5.1	
135							4.5	

Main boom 62 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	
(m)	t	t	t	t	t	t	t	
80.3	21.4							
85	19.9							
95		16.1						
100			13.8					
105			12.8					
110				10.8				
115				10.0				
120				9.3	7.9			
125					7.5	6.4		
130					6.9	6.4	5.2	
135						5.8	5.2	
140							4.8	

Main boom 74 m

Radius	Jib length in (m)							
	41	53	65	77	89	95	101	
(m)	t	t	t	t	t	t	t	
88.8	16.0							
90	15.8							
100		12.4						
105		11.5						
110			9.6					
115			8.8					
120				7.1				
125				6.5				
130					4.8			
135					4.3	3.8		
140					3.8	3.3	2.7	
145						2.9	2.2	

Main boom 80 m

Radius	Jib length in (m)							
	41	53	65	77	89	95		
(m)	t	t	t	t	t	t		
93.1	13.7							
95	13.3							
105		10.3						
110		9.5						
115			7.7					
120			7.0					
125				5.3				
130				4.8				
135					3.2			
140					2.8	2.3		
145					2.3			

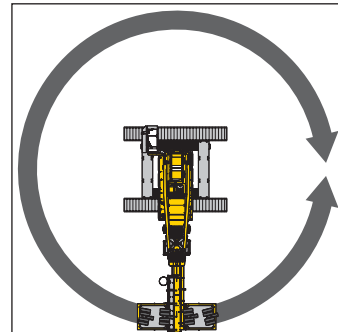
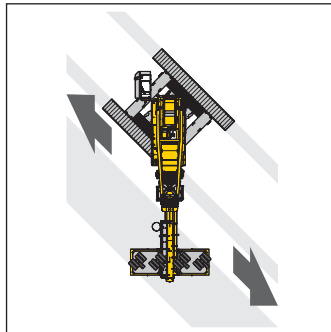
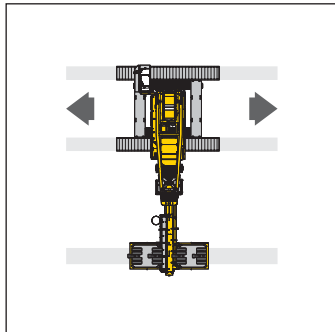
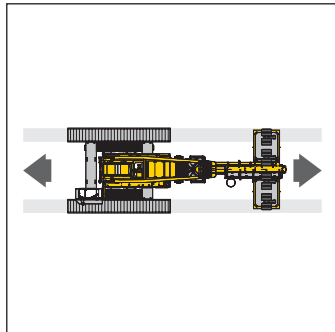
Main boom 86 m

Radius	Jib length in (m)							
	41	53	65	77				
(m)	t	t	t	t				
97.3	11.4							
100	10.9							
110		8.2						
120			5.8					
125			5.3					
130				3.6				
135				3.2				

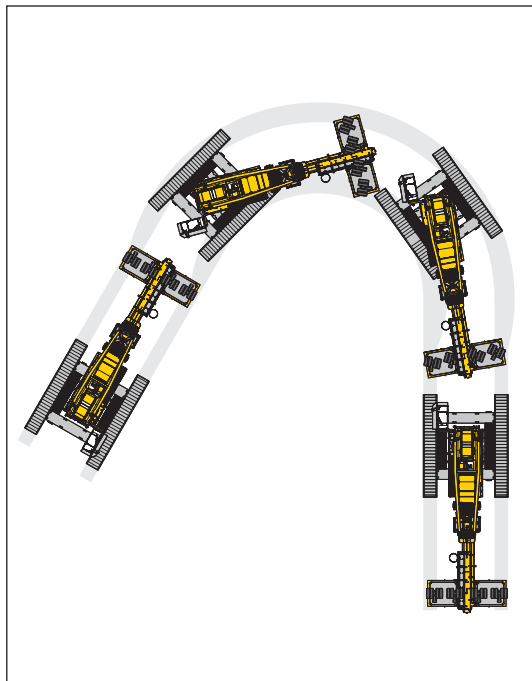
Capacities in metric tons with luffing jib (No. 2316.xx), 124 t counterweight + 57 t carbody counterweight. Above lift chart is for reference only. For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Drive options

Wheeled counterweight carriage



Carriage with steerable axles



Carriage with blocked steering axle

