

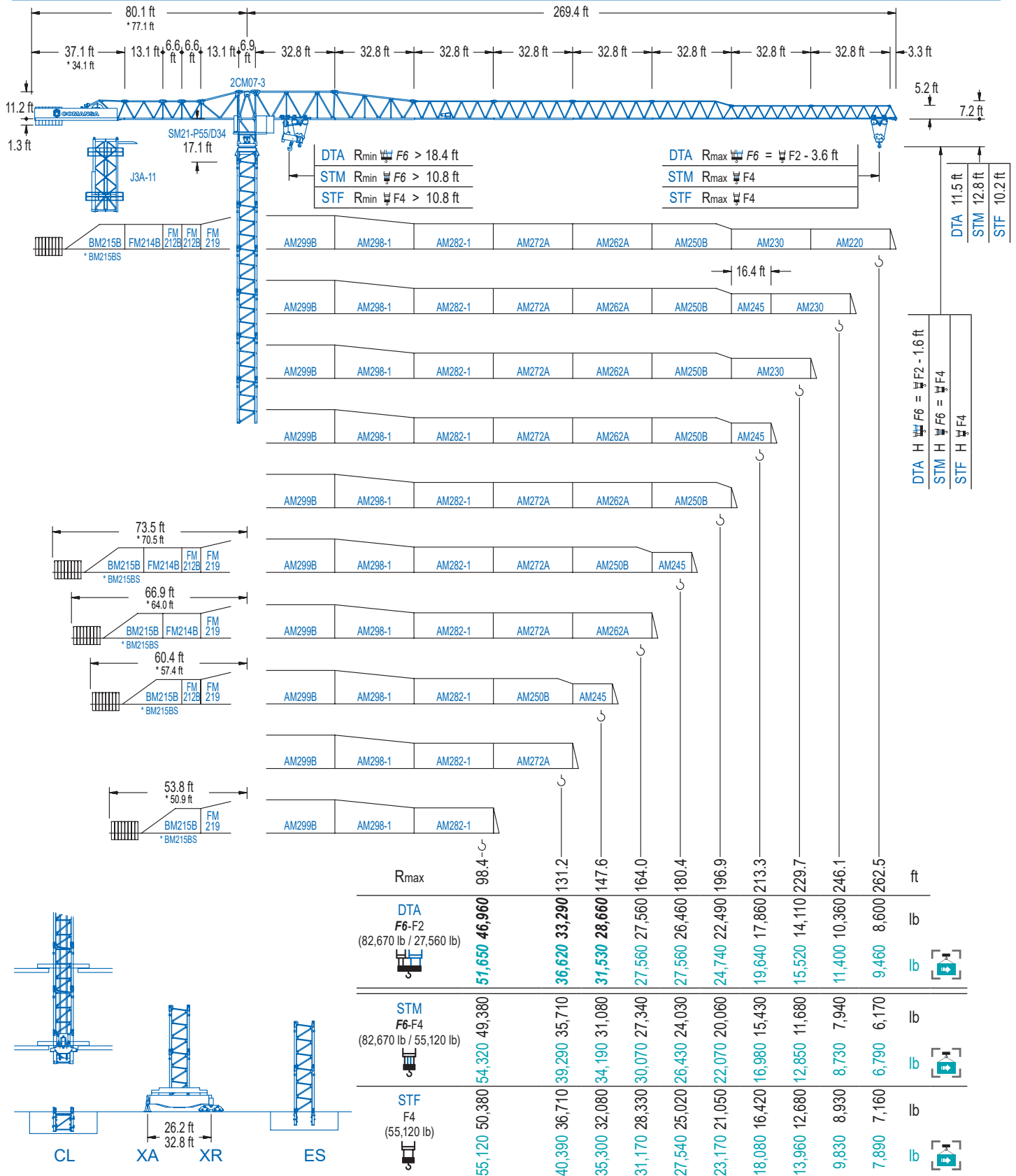


COMANSA

2100 Series

21LC650

82,670 lb



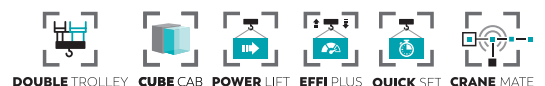
DTA Doble Carro Cambio Reenvíos Automático / Double Trolley Automatic Reeving Change / Double chariot avec changement de mouflage automatique / Doppel Katze mit automatischer Umscheerung / Автоматическое переключение на сдвоенную каретку

STM Simple Carro Cambio Reenvíos Manual / Simple Trolley Manual Reeving Change / Simple chariot avec changement de mouflage manuel / Einfach Katze mit manueller Umscheerung / Механическое (ручное) переключение на одинарную каретку

STF Simple Carro Reenvío Fijo / Simple Trolley Fixed Reeving / Simple chariot sans changement de mouflage / Einfach Katze ohne Umscheerung / Одинарная каретка, без смены

CE EN 14439

DS.2508.01.IA



2100 Series

R	82,670 lb			27,560 lb				F6				F2								(ft) ↓ (lb)
				32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1	262.5		
262.5	34.1 36.7	83.0 89.2	98.4 105.6	82,670 82,670	53,290 58,070	37,280 40,810	27,980 30,750	27,560 27,560	23,130 25,110	19,840 21,580	17,330 18,870	15,320 16,690	13,670 14,930	12,320 13,470	11,180 12,240	10,190 11,180	9,350 10,250	8,600 9,460		
246.1	37.1 39.7	89.9 97.1	106.6 115.2	82,670 82,670	58,580 63,980	41,180 45,170	31,060 34,190	27,560 27,560	25,350 26,560	21,780 23,770	19,050 20,790	16,870 18,430	15,080 16,490	13,600 14,900	12,350 13,560	11,290 12,390	10,360 11,400			
229.7	44.0 47.2	107.9 116.8	128.0 138.8	82,670 82,670	72,240 79,100	51,260 56,280	39,020 43,010	31,000 34,300	27,560 28,170	26,790 27,560	23,480 25,680	20,830 22,820	18,700 20,480	16,910 18,560	15,390 16,910	14,110 15,520				
213.3	49.5 53.5	122.0 132.9	145.3 157.8		82,670 82,670	59,330 65,260	45,410 50,090	36,310 40,170	29,870 33,180	27,560 27,980	27,050 27,560	24,050 26,390	21,610 23,720	19,580 21,520	17,860 19,640					
196.9	55.4 60.4	137.8 149.9	164.0 178.5		82,670 82,670	68,120 74,980	52,380 57,800	42,060 46,540	34,790 38,600	29,370 32,720	27,560 28,150	27,560 27,560	24,780 27,250	22,490 24,740						
180.4	58.7 63.6	146.0 159.1	173.9 180.4		82,670 82,670	72,640 80,000	55,930 61,770	45,020 49,820	37,300 41,400	31,570 35,140	27,560 30,310	27,560 27,560	26,460							
164.0	59.7 64.0	148.3 159.4	164.0		82,670 82,670	73,940 80,230	56,970 61,950	45,860 49,980	38,030 41,530	32,210 35,250	27,710 30,400	27,560 27,560								
147.6	59.7 64.0	144.0 144.0			82,670 82,670	73,900 80,360	56,920 62,040	45,830 50,070	37,990 41,600	32,170 35,320	28,660 31,530									
131.2	59.4 64.0	127.6 127.6			82,670 82,670	73,610 80,250	56,700 61,950	45,640 49,980	37,830 41,530	33,290 36,620										
98.4	58.4 63.0	94.8 94.8			82,670 82,670	72,180 79,060	55,580 61,020	46,960 51,650												



(lb) ↑

82,670

27,560

F6

F2

↓ 10%

↓ 2.3t

(ft) →

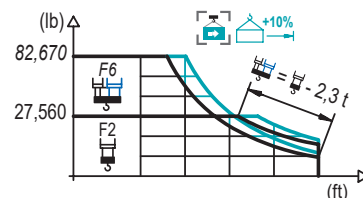


DIAGRAMA DE CARGAS / LOAD CHART

Diagramme de charges / Lastdiagramm / Диаграмма распределения нагрузки

STM

EFU6-65-62; EFU5-110-62

R	82,670 lb F4	55,120 lb F4	F6		F4													⇄ (ft) ⇄ (lb)
			32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	196.9	213.3	229.7	246.1	262.5	
262.5	35.4 37.4	50.2 52.8	82,670 82,670	56,390 59,900	40,300 42,880	30,930 32,960	24,800 26,480	20,460 21,890	17,240 18,500	14,750 15,870	12,790 13,780	11,180 12,080	9,830 10,650	8,710 9,460	7,740 8,440	6,900 7,560	6,170 6,790	
246.1	38.4 40.7	54.5 57.7	82,670 82,670	61,880 66,090	44,360 47,440	34,130 36,570	27,430 29,450	22,710 24,450	19,200 20,720	16,490 17,840	14,350 15,540	12,590 13,670	11,130 12,130	9,900 10,820	8,840 9,700	7,940 8,730		
229.7	45.6 48.6	65.3 69.6	82,670 82,670	75,930 81,700	54,670 58,930	42,280 45,660	34,190 36,970	28,480 30,860	24,230 26,300	20,940 22,800	18,340 20,000	16,230 17,700	14,440 15,810	12,620 14,220	11,680 12,850			
213.3	51.5 55.4	73.8 79.4		82,670 82,670	63,030 68,230	48,900 53,020	39,660 43,080	33,140 36,050	28,290 30,820	24,560 26,810	21,560 23,590	19,140 20,990	17,130 18,810	15,430 16,980				
196.9	58.1 62.7	83.3 89.9		82,670 82,670	72,130 78,370	56,110 61,050	45,640 49,710	38,230 41,710	32,740 35,760	28,480 31,170	25,110 27,510	22,350 24,540	20,060 22,070					
180.4	61.7 66.3	88.3 95.5		82,670	76,920 82,670	59,900 65,320	48,770 53,240	40,900 44,710	35,050 38,380	30,560 33,490	26,960 29,610	24,030 26,430						
164.0	62.3 67.3	89.2 96.8		82,670	77,910 82,670	60,670 66,270	49,410 54,030	41,450 45,390	35,540 38,980	30,970 34,020	27,340 30,070							
147.6	62.3 67.6	89.6 97.1		82,670	78,180 82,670	60,890 66,600	49,580 54,300	41,600 45,610	35,670 39,180	31,080 34,190								
131.2	62.3 67.6	89.6 97.4		82,670	78,260 82,670	60,980 66,780	49,650 54,450	41,640 45,750	35,710 39,290									
98.4	62.3 67.6	89.2 97.1		82,670	77,870 82,670	60,650 66,620	49,380 54,320											

Diagram illustrating the relationship between load (lb) and distance (ft) for different beam configurations. The y-axis represents load in pounds (lb) with markers at 55,120 and 82,670. The x-axis represents distance in feet (ft). Two curves are shown: a black curve for F6 and a red curve for F4. A blue arrow indicates a 10% increase in load.

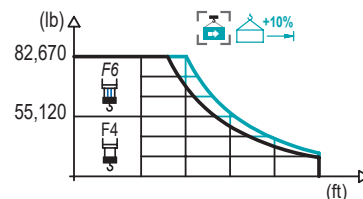
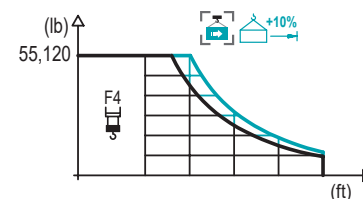


DIAGRAMA DE CARGAS / LOAD CHART

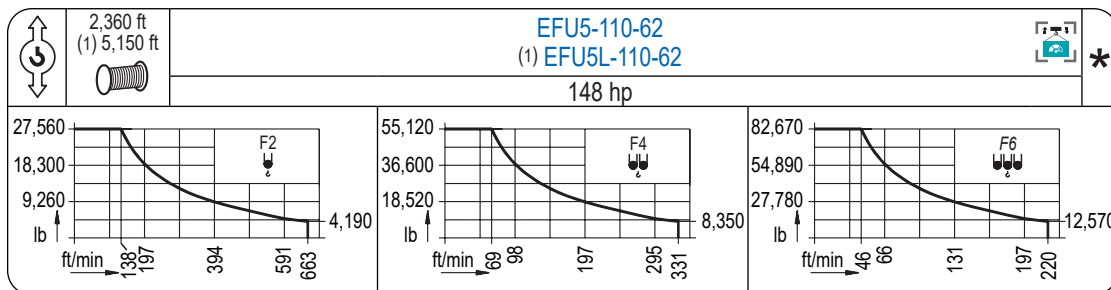
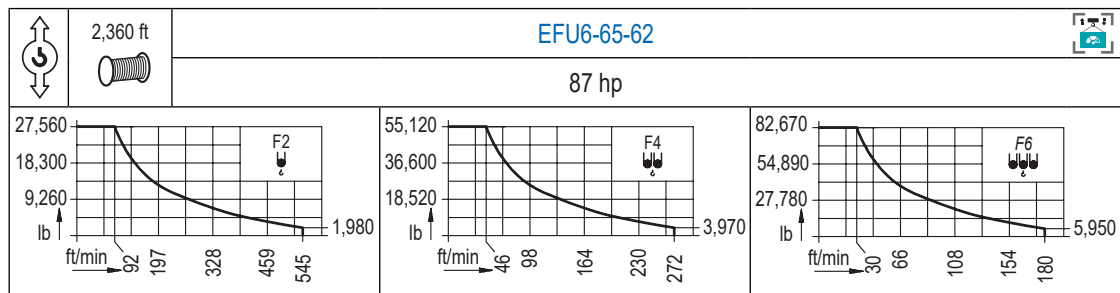
Diagramme de charges / Lastdiagramm / Диаграмма распределения нагрузки

STF

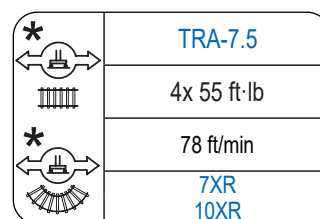
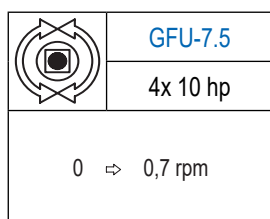
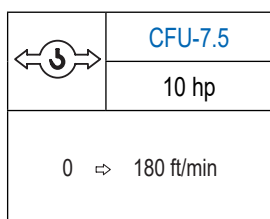
EFU6-65-62; EFU5-110-62

[illegible]

Datos válidos hasta 328 ft de ABG. Para alturas mayores consultar / Valid data up to 328 ft HUH. Additional heights on request / Données valables jusqu'à 328 ft HSC. Pour des autres hauteurs, merci de nous consulter / Gültige Daten bis zu 328 ft HH. Bei höheren Hakenhöhen nachfragen / Допустимые данные до 328 фут ВПК. Для более высоких высот консультируйтесь



(1) Para mecanismos de alta capacidad de cable consultar cargas / For mechanisms with high drum capacity, request loads / Pour des mécanismes avec une grande capacité de câble il faut consulter / Für Hubmechanismen mit hoher Kabelkapazität, Lastdiagramm anfragen / Проконсультируйтесь о нагрузках при механизмах с большей вместимостью кабеля



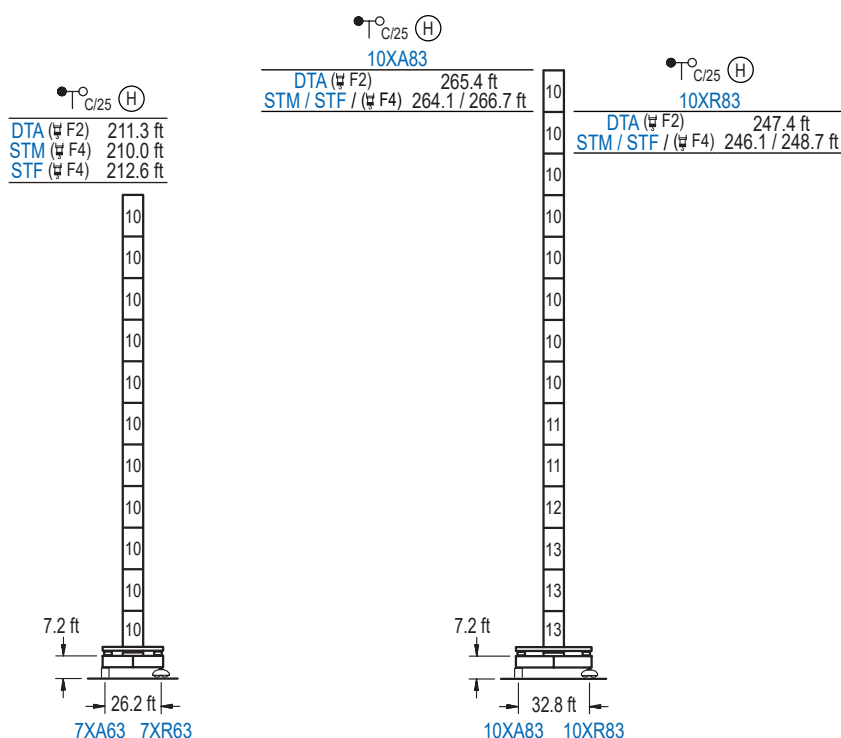
Elevación / Hoist / Levage / Hub / Тип механизма (подъем)	Carro / Trolley / Chariot / Laufkatze / Грузовая тележка	Giro / Slewing / Rotation / Drehbewegung / Поворот	Traslación / Travel / Translation / Verfahrbewegung / Ход	Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Напряжение источника питания	Potencia requerida / Required power / Puissance requise / Benötigte Leistung / требуемая мощность
EFU6-65-62	CFU-7.5	(4x) GFU-7.5	(4x) TRA-7.5	480 V	95 kVA
EFU5-110-62				3 ph	140 kVA
EFU5L-110-62				60 Hz	140 kVA

Opcional / Optional / En option / Kaufoption / Опционально

*

ALTURAS BAJO GANCHO / HEIGHTS UNDER HOOK
Hauteurs sous crochet / Hakenhöhen / Высота под крюком

Ø 8.2 ft



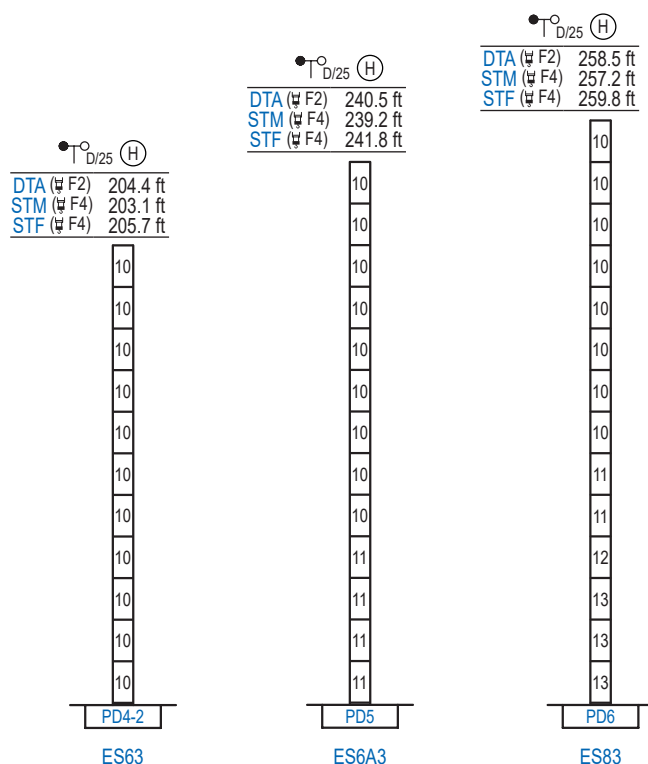
DTA	H	F6	=	F2 - 1.6 ft
STM	H	F6	=	F4
STF	H	F4	=	

n°	Ref.	Ø	h
10	D34	8.2	18.0
11	D35B	8.2	18.0
12	TD36B	8.2	18.0
13	D36B	8.2	18.0

		G (kip)	Z max (kip)
	ES	7XA63	282
		7XR63	350
	FS	10XA83	220
		10XR83	337
	ES	7XA63	282
		7XR63	292
	FS	10XA83	220
		10XR83	325

ES En servicio / In operation / En service / In Betrieb / При работе
FS Fuera de servicio / Out of service / Hors service / Ausser Betrieb / В стационарном состоянии

Otras zonas de viento o alturas superiores consultar / Other wind zones or additional hook heights on request / Autres zones de vent ou des hauteurs supplémentaires sur demande / Andere Windzonen oder weitere Hakenhöhen auf Anfrage / При других ветренных зонах о при большой высоте проконсультируйтесь с нами



DTA	H	F6 = F2 - 1.6 ft
STM	H	F6 = F4
STF	H	F4

nº	Ref.	Ø	h
10	D34	8.2	18.0
11	D35B	8.2	18.0
12	TD36B	8.2	18.0
13	D36B	8.2	18.0

			R1 (kip)	R2 (kip)
R2 R1	ES	ES63	-559	382
		ES6A3	-622	430
		ES83	-655	442
FS	ES63	ES63	-669	499
		ES6A3	-938	752
		ES83	-1,112	906

ES En servicio / In operation / En service / In Betrieb / При работе
FS Fuera de servicio / Out of service / Hors service / Ausser Betrieb / В стационарном состоянии

GRÚA ARRIOSTRADA / BRACED CRANE

Grue à entretoisement / Abgespannter Kran / Нарастиваемый кран

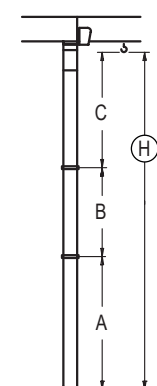
Ø 8.2 ft

DTA (H) (F2) C/25	7XA63	10XA83
A max	169.6	223.8
A min	79.4	133.5
B max	-	108.3
B min	-	54.1
C max	149.9	149.9
H max	319.6	427.8

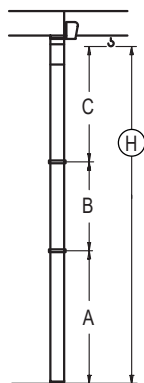
DTA (H) (F2) C/25	ES63	ES6A3	ES83
A max	162.7	198.8	216.9
A min	72.5	90.6	126.6
B max	-	108.3	-
B min	-	54.1	-
C max	149.9	149.9	149.9
H max	312.7	420.9	475.1

STM (H) (F4) C/25	7XA63	10XA83
A max	169.6	223.8
A min	79.4	133.5
B max	-	108.3
B min	-	54.1
C max	148.6	148.6
H max	318.2	426.5

STM (H) (F4) C/25	ES63	ES6A3	ES83
A max	162.7	198.8	216.9
A min	72.5	90.6	126.6
B max	-	108.3	-
B min	-	54.1	-
C max	148.6	148.6	148.6
H max	311.4	419.6	473.8



Otras zonas de viento, alturas superiores o arriostramientos consultar / Other wind zones, additional hook heights or tie frames on request / Autres zones de vent, des hauteurs supplémentaires ou entretoisements, sur demande / Andere Windzonen, weitere Hakenhöhen oder Abspannungen zum Gebäude auf Anfrage / При других ветренных зонах, при большой высоте или привязках к зданию проконсультируйтесь с нами



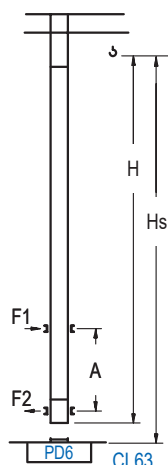
STF (F4) (H) C/25	7XA63	10XA83
A max	169.6	223.8
A min	79.4	133.5
B max	-	108.3
B min	-	54.1
C max	151.2	151.2
H max	320.9	429.1

STF (F4) (H) C/25	ES63	ES6A3	ES83
A max	162.7	198.8	216.9
A min	72.5	90.6	126.6
B max	-	108.3	-
B min	-	54.1	-
C max	151.2	151.2	151.2
H max	314.0	422.2	350.1

GRÚA TREPADORA / INTERNAL CLIMBING CRANE

Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Кран с самоподъемом

Ø 8.2 ft



DTA (F2) (H) C/25	Hs < 1,310 ft	
	A max (ft)	A min (ft)
198.5 ft 6x D34 + 4x D34A + CLD34A-24	71.9	36.1
180.4 ft 5x D34 + 4x D34A + CLD34A-24	62.7	29.5
162.4 ft 4x D34 + 4x D34A + CLD34A-24	53.8	26.2

STM (F4) (H) C/25	Hs < 1,310 ft	
	A max (ft)	A min (ft)
197.2 ft 6x D34 + 4x D34A + CLD34A-24	71.9	36.1
179.1 ft 5x D34 + 4x D34A + CLD34A-24	62.7	29.5
161.1 ft 4x D34 + 4x D34A + CLD34A-24	53.8	26.2

STF (F4) (H) C/25	Hs < 1,310 ft	
	A max (ft)	A min (ft)
199.8 ft 6x D34 + 4x D34A + CLD34A-24	71.9	36.1
181.8 ft 5x D34 + 4x D34A + CLD34A-24	62.7	29.5
163.7 ft 4x D34 + 4x D34A + CLD34A-24	53.8	26.2

DTA	H	F6 = F2 - 1.6 ft
STM	H	F6 = F4
STF	H	F4

Ref.	Ø	h
D34	8.2	18.0
D34A	8.2	18.0
CLD34A-24	8.2	12.5

Otras zonas de viento, alturas superiores, arriostramientos o trepado interno consultar / Other wind zones, additional hook heights, tie frames or internal climbing on request / Autres zones de vent, des hauteurs supplémentaires, entretoisements ou grues avec cage de télescopage intérieure, sur demande / Andere Windzonen, weitere Hakenhöhen, Abspannungen zum Gebäude oder Klettern im Gebäude auf Anfrage / При других ветренных зонах, при большой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами

