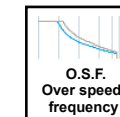
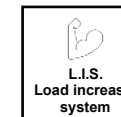
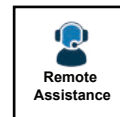
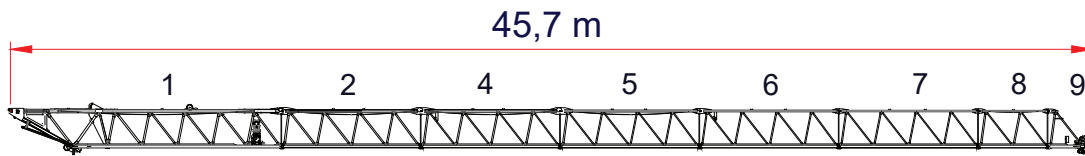


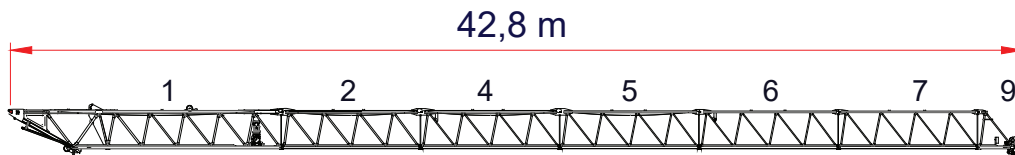
IN SERVICE	
MAX ANGLE 87°	
JIB (m)	L (m)
44,5	4,8
41,6	4,6
38,6	4,5
35,7	4,3
29,8	4,0
23,9	3,7
18,0	3,4
12,1	3,1

OUT OF SERVICE		
JIB (m)	ANGLE (°)	L (m)
44,5	80,0	8,66
41,6	80,0	8,15
38,6	80,0	7,64
35,7	80,0	7,13
29,8	78,0	7,12
23,9	75,0	7,09
18,0	70,0	7,03
12,1	65,0	5,96





		FLAT TOP MODE										
		JIB (m)	8	10	12	18	24	29,5	35,5	38,5	41,5	44,5
4 t	→ STD (m) 24,6	STD (t)	4,00	4,00	4,00	4,00	4,00	3,11	2,37	2,10	1,87	1,67
	→ L.I.S. (m) 26,0	L.I.S. (t)	4,00	4,00	4,00	4,00	4,00	3,37	2,59	2,30	2,05	1,84
8 t	→ STD (m) 14,6	STD (t)	8,00	8,00	8,00	5,99	4,02	2,99	2,25	1,98	1,75	1,55
	→ L.I.S. (m) 15,3	L.I.S. (t)	8,00	8,00	8,00	6,41	4,32	3,23	2,45	2,16	1,92	1,71
		LUFFER MODE										
		JIB (m)	8	10	12,1	18	24	29,5	35,5	38,5	41,5	44,5
4 t	→ STD (m) 31,6	STD (t)	4,00	4,00	4,00	4,00	4,00	4,00	2,97	2,48	1,97	1,52
	→ L.I.S. (m) 31,8	L.I.S. (t)	4,00	4,00	4,00	4,00	4,00	4,00	3,16	2,65	2,13	1,67
8 t	→ STD (m) 21,0	STD (t)	8,00	8,00	8,00	8,00	6,49	4,41	2,85	2,36	1,85	1,40
	→ L.I.S. (m) 21,7	L.I.S. (t)	8,00	8,00	8,00	8,00	6,76	4,62	3,02	2,52	2,00	1,54



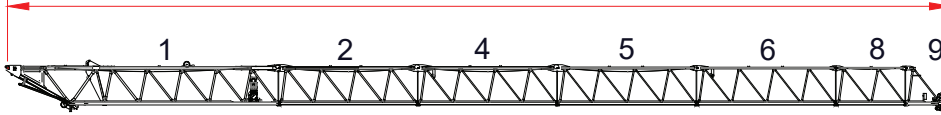
		FLAT TOP MODE									
		JIB (m)	8	10	12	18	24	29,5	35,5	38,5	41,5
4 t	→ STD (m) 27,0	STD (t)	4,00	4,00	4,00	4,00	4,00	3,54	2,73	2,43	2,17
	→ L.I.S. (m) 28,7	L.I.S. (t)	4,00	4,00	4,00	4,00	4,00	3,86	2,99	2,66	2,39
8 t	→ STD (m) 15,9	STD (t)	8,00	8,00	8,00	6,75	4,57	3,42	2,61	2,31	2,05
	→ L.I.S. (m) 16,8	L.I.S. (t)	8,00	8,00	8,00	7,27	4,94	3,72	2,85	2,53	2,26
		LUFFER MODE									
		JIB (m)	8	10	12,1	18	24	29,5	35,5	38,5	41,5
4 t	→ STD (m) 31,8	STD (t)	4,00	4,00	4,00	4,00	4,00	4,00	3,12	2,55	2,02
	→ L.I.S. (m) 31,8	L.I.S. (t)	4,00	4,00	4,00	4,00	4,00	4,00	3,36	2,77	2,22
8 t	→ STD (m) 21,6	STD (t)	8,00	8,00	8,00	8,00	6,75	4,45	3,00	2,43	1,90
	→ L.I.S. (m) 22,2	L.I.S. (t)	8,00	8,00	8,00	8,00	7,09	4,72	3,23	2,64	2,09

Lifting capacities valid up to 100 m hoisting height. Over 100 m hoisting height, the lifting capacity is reduced by additional rope weight.  
 Portate valide fino a 100 m di altezza di sollevamento. Oltre i 100 m si riduce la portata a causa del peso della fune.

L.I.S. = Load Increase System  
 All intermediate loads can be increased till a maximum of 10% if the crane is equipped with L.I.S.  
 Con il sistema L.I.S. tutte le portate intermedie possono essere aumentate fino ad un massimo del 10%



39,9 m



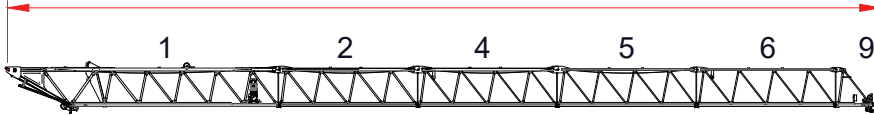
**FLAT TOP MODE**

		JIB (m)	8	10	12	18	24	29,5	35,5	38,5
4 t	→ STD (m)	29,5	4,00	4,00	4,00	4,00	4,00	4,00	3,11	2,77
	→ L.I.S. (m)	31,5	4,00	4,00	4,00	4,00	4,00	4,00	3,41	3,05
8 t	→ STD (m)	17,2	8,00	8,00	8,00	7,55	5,14	3,88	2,99	2,65
	→ L.I.S. (m)	18,3	8,00	8,00	8,00	8,00	5,59	4,23	3,27	2,92

**LUFFER MODE**

		JIB (m)	8	10	12	18	24	29,5	35,5	38,5
4 t	→ STD (m)	31,8	4,00	4,00	4,00	4,00	4,00	4,00	3,20	2,62
	→ L.I.S. (m)	31,8	4,00	4,00	4,00	4,00	4,00	4,00	3,49	2,88
8 t	→ STD (m)	21,8	8,00	8,00	8,00	8,00	6,97	4,56	3,08	2,50
	→ L.I.S. (m)	22,3	8,00	8,00	8,00	8,00	7,39	4,89	3,36	2,75

36,9 m



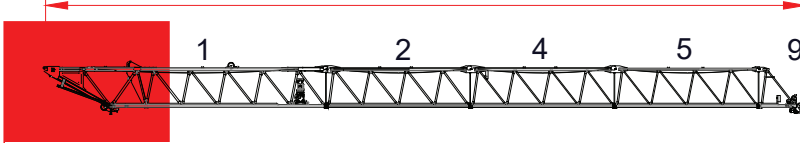
**FLAT TOP MODE**

		JIB (m)	8	10	12	18	24	29,5	35,5
4 t	→ STD (m)	31,9	4,00	4,00	4,00	4,00	4,00	4,00	3,47
	→ L.I.S. (m)	34,3	4,00	4,00	4,00	4,00	4,00	4,00	3,82
8 t	→ STD (m)	18,6	8,00	8,00	8,00	8,00	5,70	4,33	3,35
	→ L.I.S. (m)	19,8	8,00	8,00	8,00	8,00	6,22	4,74	3,69

**LUFFER MODE**

		JIB (m)	8	10	12	18	24	29,5	35,5
4 t	→ STD (m)	31,8	4,00	4,00	4,00	4,00	4,00	4,00	3,32
	→ L.I.S. (m)	31,8	4,00	4,00	4,00	4,00	4,00	4,00	3,65
8 t	→ STD (m)	22,2	8,00	8,00	8,00	8,00	7,08	4,72	3,20
	→ L.I.S. (m)	23,1	8,00	8,00	8,00	8,00	7,56	5,11	3,52

31 m

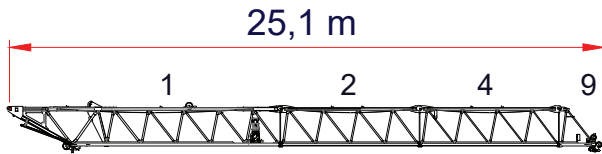


**FLAT TOP MODE**

		JIB (m)	8	10	12	18	24	29,5
4 t	→ STD (m)	29,5	4,00	4,00	4,00	4,00	4,00	4,00
	→ L.I.S. (m)	29,5	4,00	4,00	4,00	4,00	4,00	4,00
8 t	→ STD (m)	20,4	8,00	8,00	8,00	8,00	6,49	4,95
	→ L.I.S. (m)	21,9	8,00	8,00	8,00	8,00	7,11	5,45

**LUFFER MODE**

		JIB (m)	8	10	12	18	24	29,5
4 t	→ STD (m)	29,8	4,00	4,00	4,00	4,00	4,00	4,00
	→ L.I.S. (m)	29,8	4,00	4,00	4,00	4,00	4,00	4,00
8 t	→ STD (m)	22,4	8,00	8,00	8,00	8,00	7,20	4,80
	→ L.I.S. (m)	23,4	8,00	8,00	8,00	8,00	7,81	5,28

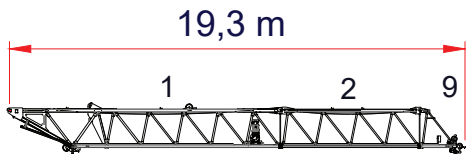


**FLAT TOP MODE**

		JIB (m)				
		8	10	12	18	24
4 t	→ STD (m) 24,0	STD (t) 4,00	4,00	4,00	4,00	4,00
	→ L.I.S. (m) 24,0	L.I.S. (t) 4,00	4,00	4,00	4,00	4,00
8 t	→ STD (m) 22,0	STD (t) 8,00	8,00	8,00	8,00	7,15
	→ L.I.S. (m) 22,8	L.I.S. (t) 8,00	8,00	8,00	8,00	7,51

**LUFFER MODE**

		JIB (m)				
		8	10	12	18	24
4 t	→ STD (m) 23,9	STD (t) 4,00	4,00	4,00	4,00	4,00
	→ L.I.S. (m) 23,9	L.I.S. (t) 4,00	4,00	4,00	4,00	4,00
8 t	→ STD (m) 22,2	STD (t) 8,00	8,00	8,00	8,00	7,00
	→ L.I.S. (m) 22,9	L.I.S. (t) 8,00	8,00	8,00	8,00	7,35

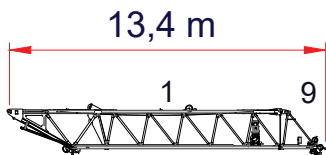


**FLAT TOP MODE**

		JIB (m)			
		8	10	12	18
4 t	→ STD (m) 18,0	STD (t) 4,00	4,00	4,00	4,00
	→ L.I.S. (m) 18,0	L.I.S. (t) 4,00	4,00	4,00	4,00
8 t	→ STD (m) 18,0	STD (t) 8,00	8,00	8,00	8,00
	→ L.I.S. (m) 18,0	L.I.S. (t) 8,00	8,00	8,00	8,00

**LUFFER MODE**

		JIB (m)			
		8	10	12	18
4 t	→ STD (m) 18,0	STD (t) 4,00	4,00	4,00	4,00
	→ L.I.S. (m) 18,0	L.I.S. (t) 4,00	4,00	4,00	4,00
8 t	→ STD (m) 18,0	STD (t) 8,00	8,00	8,00	8,00
	→ L.I.S. (m) 18,0	L.I.S. (t) 8,00	8,00	8,00	8,00



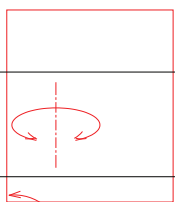



**FLAT TOP MODE**

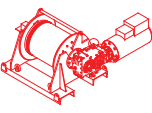




		JIB (m)		
		8	10	12
4 t	→ STD (m) 12,0	STD (t) 4,00	4,00	4,00
	→ L.I.S. (m) 12,0	L.I.S. (t) 4,00	4,00	4,00
8 t	→ STD (m) 12,0	STD (t) 8,00	8,00	8,00
	→ L.I.S. (m) 12,0	L.I.S. (t) 8,00	8,00	8,00

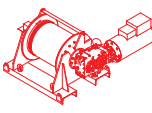




**LUFFER MODE**

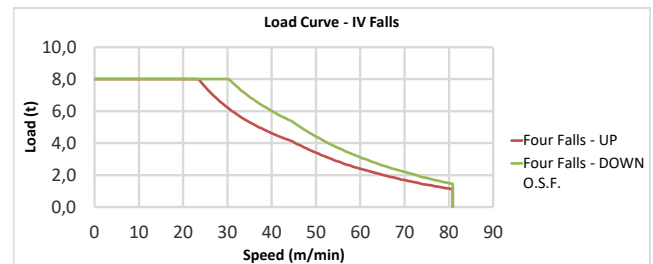
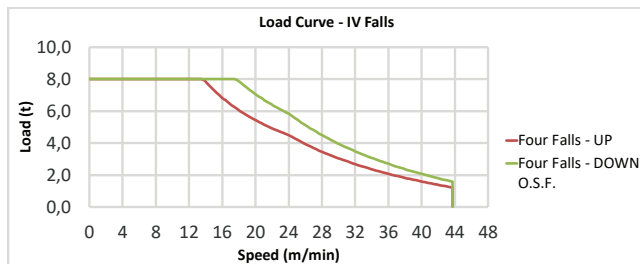
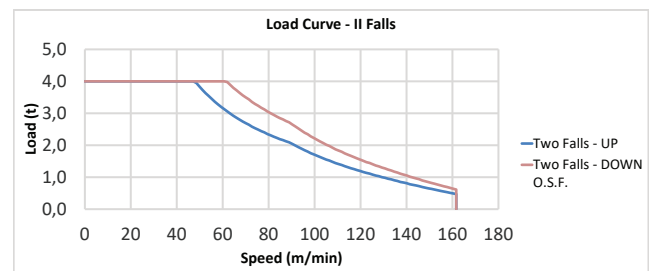
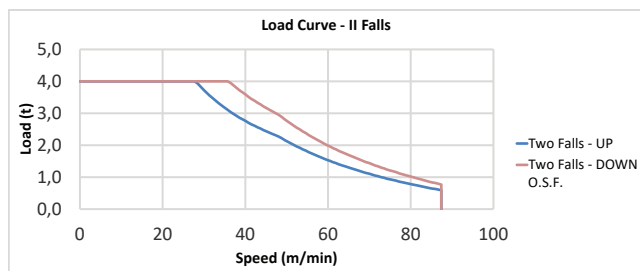
		JIB (m)		
		8	10	12
4 t	→ STD (m) 12,0	STD (t) 4,00	4,00	4,00
	→ L.I.S. (m) 12,0	L.I.S. (t) 4,00	4,00	4,00
8 t	→ STD (m) 12,0	STD (t) 8,00	8,00	8,00
	→ L.I.S. (m) 12,0	L.I.S. (t) 8,00	8,00	8,00

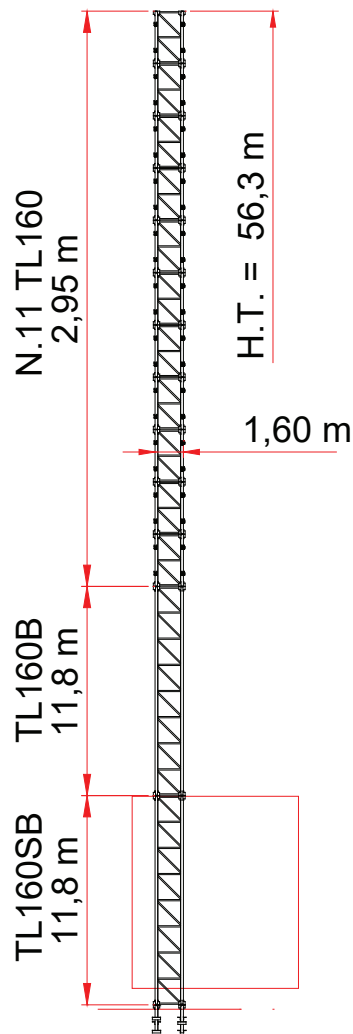


		Speed - Velocità	Power - Potenza
Rotazione Slewing		0 → 0,65 r.p.m.	5,5 kW
Luffing Impennamento		2,0 m/min	15 kW
Trolley Carrello		0 → 80,0 m/min	4,0 kW
Rail Traslazione		ON REQUEST - SU RICHIESTA	

Type Tipo 	Power - Potenza		Rope - Fune
	hp	kW	m
HW0822344	30	22	348
Layer - Strati	N. 6		
Stepless - Reg. Continua 			
kg	m/min		
4000	0 → 35		
767	0 → 87		
Stepless - Reg. Continua 			
8000	0 → 18		
1586	0 → 44		
Maximum height - Massima altezza -	 171 m	 86 m	
Total installed power Forza motrice totale	22 kW (30 hp) 54 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%		

Type Tipo 	Power - Potenza		Rope - Fune
	hp	kW	m
HW0837580	50	37	583
Layer - Strati	N. 6		
Stepless - Reg. Continua 			
kg	m/min		
4000	0 → 61		
611	0 → 162		
Stepless - Reg. Continua 			
8000	0 → 30		
1443	0 → 81		
Maximum height - Massima altezza -	 287 m	 144 m	
Total installed power Forza motrice totale	37 kW (50 hp) 72 kVA - 400/480 V - 50/60 Hz ± 5% ± 2%		



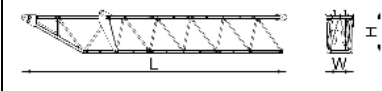
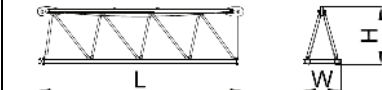
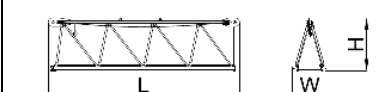
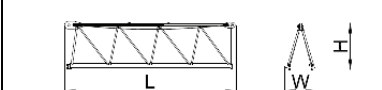
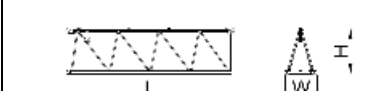
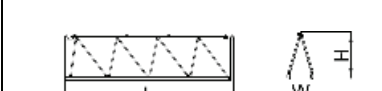
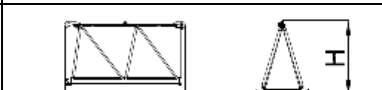



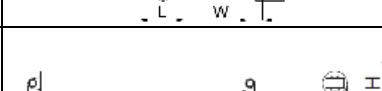


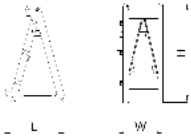
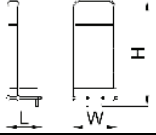

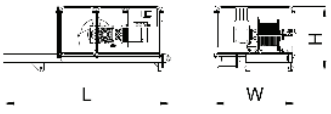
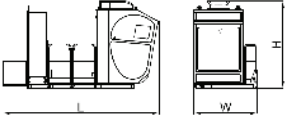
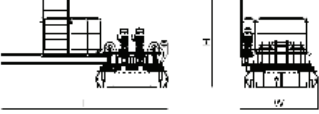
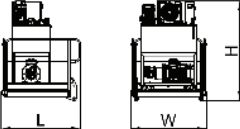
JIB (m)	H.T. (m)	H.U.H. (m) 0°	H.U.H. (m) 87°
12,10	56,30	55,70	69,90
18,00	53,35	52,75	72,85
23,90	50,40	49,80	75,80
29,80	47,45	46,85	78,75
35,70	44,50	43,90	81,60
38,60	41,55	40,95	81,65
41,60	38,60	38,00	81,60
44,50	38,60	38,00	84,60

**H.T.** Height Tower

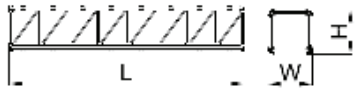
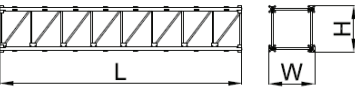
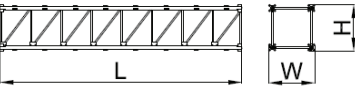
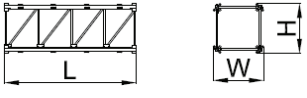
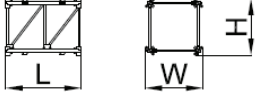
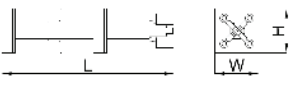
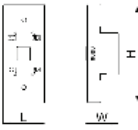
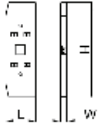
**H.U.H.** Height Under Hook

*Further compositions available.  
Ulteriori composizioni disponibili.*

Q.ty Q.tà	Description Descrizione	Sketch Figura	Length Lunghezza [L]	Width Larghezza [W]	Height Altezza [H]	Single Weight Peso Unitario
Jib/Braccio			[m]	[m]	[m]	[t]
1	Jib section Elemento Braccio 1		11,72	1,30	1,90	4,39
1	Jib section Elemento Braccio 2		6,17	1,15	1,76	0,98
1	Jib section Elemento Braccio 4		6,20	1,15	1,74	0,83
1	Jib section Elemento Braccio 5		6,20	1,15	1,73	0,66
1	Jib section Elemento Braccio 6		6,11	1,15	1,70	0,52
1	Jib section Elemento Braccio 7		6,10	1,15	1,70	0,46
1	Jib section Elemento Braccio 8		3,14	1,15	1,97	0,27
1	Jib section Elemento Braccio 9		1,99	1,29	1,89	0,31
1	Trolley Carrello		1,78	1,31	2,54	0,49
1	Hookblock Bozzello		1,10	0,35	2,79	0,89
1	Luffing cylinder Cilindro idraulico		3,80	0,41	0,41	2,00

Q.ty Q.tà	Description Descrizione	Sketch Figura	Length Lunghezza [L]	Width Larghezza [W]	Height Altezza [H]	Single Weight Peso Unitario
A-frame / Cuspide			[m]	[m]	[m]	[t]
1	A-frame triangle Cuspide		1,77	1,26	2,86	0,94
1	Balcony Ballatoio		0,86	0,63	2,00	0,05
2	Tie-rods Tiranti		3,30	0,12	0,22	0,07
1	Counterjib Controfreccia		3,96	2,13	1,53	2,24
Slewing-group / Gruppo Girevole			[m]	[m]	[m]	[t]
1	Access Balcony, Cabin Ballatoio e Cabina		4,46	1,81	2,47	1,20
1	Slewing-group Gruppo Girevole		5,28	2,29	2,06	6,40
1	Power pack		1,70	1,63	2,13	1,00

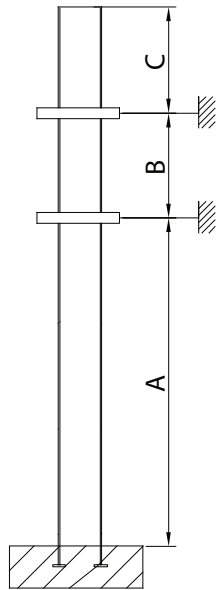


Q.ty Q.tà	Description Descrizione	Sketch Figura	Length Lunghezza [L]	Width Larghezza [W]	Height Altezza [H]	Single Weight Peso Unitario
Tower / Torre TL160			[m]	[m]	[m]	[t]
1	Tower section Elemento torre 160HC.1180		11,80	1,79	1,79	5,80
1	Tower section Elemento torre 160HCB.1180		11,80	1,79	1,79	5,98
1	Tower section Elemento torre 160HCSB.1180		11,80	1,79	1,79	7,07
1	Tower section Elemento torre 160HC.0590		5,90	1,79	1,79	3,03
1	Tower section Elemento torre 160HC.0295		2,95	1,79	1,79	1,68
4	Foundation anchors Gamba di fondazione BOOSTER / SUPER BOOSTER		0,95	0,47	0,47	0,40
Counter-jib Ballast / Zavorra di Controfreccia			[m]	[m]	[m]	[t]
2	Counter-jib Ballast Zavorra di Controfreccia A6000		1,20	1,15	2,80	6,00
6	Counter-jib Ballast Zavorra di Controfreccia C3150		1,20	0,29	3,80	3,15

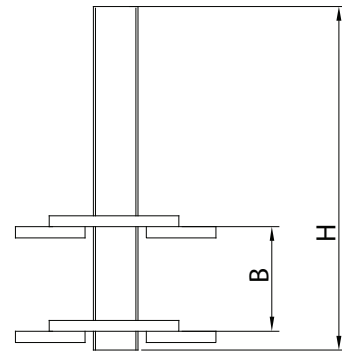
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**Different heights and tower combinations are available; please consult our technical dept.**

**Altezze diverse e combinazioni di torre sono disponibili; contattare il nostro ufficio tecnico.**



EXTERNAL CLIMBING



INTERNAL CLIMBING










**STAFFORD**  
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