

TECHNICAL SHEET

VR150NG F/M

DRAFT



AMCO  **VEBA**
MARINE  **GROUP**

soggetto a modifica senza preavviso

subject to change without notice

Änderungen ohne Vorankündigung vorbehalten

VR150NG F/M
HC2

		2S	3S	4S	5S	6S	7S	8S
Max momento di sollevamento netto Max net lifting moment Max Nettohubmoment	t m	108.5	106.6	105.2	104.0	102.7	101.5	100.4
Max momento dinamico Max dynamic moment Max dynamisches Moment	daNm	138000						
Max momento statico Max static moment Max statisches Moment	daNm	123400						
Portata al minimo sbraccio orizzontale idraulico Load capacity at min horizontal outreach, hydraulic Hubkraft bei min. horiz. Reichweite, hydraulisch	 kg	22500	21710	21000	20350	19800	19200	18700
	 m	4.82	4.91	5.01	5.11	5.19	5.29	5.37
	 kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	 m	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Portata in punta / massimo sbraccio orizzontale idraulico Tip load capacity / max horizontal outreach, hydraulic Hubkraft an der Spitze / max horiz. Reichweite, hydraulisch	 kg	11750	9080	7090	5660	4580	3650	2960
	 m	9.23	11.48	13.93	16.38	18.81	21.35	23.87
	 kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	 m	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Massima altezza di carico dal basamento gru Max load height above the crane base Max Hubhöhe über dem Kransockel	 m	12.2	14.5	16.9	19.3	21.8	24.3	26.8
Peso gru (± 3%), senza postazione di comando Crane weight (± 3%), without control station Krangewicht (± 3%), ohne Steuerstation I pesi gru includono l'olio nei cilindri (completamente retratti) e non considerano l'olio nel serbatoio Crane weights including oil inside the cylinders (fully retracted) and considering oil tank empty Krangewicht, die das Öl in den Zylindern (vollständig eingefahren), aber nicht das im Tank enthaltene Öl berücksichtigen.	 kg	7850	8390	8890	9330	9730	10110	10440
Peso postazione comandi, predellino Weight of control station, footboard Steuerstationgewicht auf Trittbrett	 kg	120						
Peso postazione comandi con seggiolino Weight of control station with topseat Gewicht des Hochsitzes	 kg	150						
Pressione massima d'esercizio Max working pressure Max. Betriebsdruck	 bar	375						
Portata massima d'olio Max oil flow rate Max. Fördermenge der Pumpe	 l/min	100						
	 l/min	100						
Minima capacità serbatoio olio Minimum oil tank capacity Min. Fassungsvermögen des Ölbehälters	 l	350	400		450			
Potenza assorbita Absorbed power Leistungsaufnahme	 kW	81.2						
	 kW	81.2						
Coppia di rotazione Slewing torque Schwenkmoment	 daNm	13000						
Angolo di rotazione Slewing angle Schwenkbereich	 °	Continuo Endless Endlos						
Inclinazione massima di lavoro Max working heel Max. Arbeitsneigung	°	5						
Max. forza verticale sul basamento (dinamico) Max vertical force on the base (dynamic) Max. vertikale Kraft auf dem Sockel (dynamisches)	daN	32130						

TEMPI DI APERTURA
CILINDRI IDRAULICI

OPENING TIME OF THE
HYDRAULIC CYLINDERS

ÖFFNUNGSZEIT DER
HYDRAULISCHEN ZYLINDER

VR150NG F/M

 Tempi Times Zeiten [s]		
Cilindri Cylinders Zylinder	Apertura Opening Ausfahren	Chiusura Closing Einfahren
Rotazione (180°: 2 motoriduttori) Slewing (180°: 2 gear motors) Umdrehung (180°: 2 Getriebemotoren)	43"	43"
Cilindro 1°braccio (0° to 78°) 1.boom cylinder (0° to 78°) 1. Ausleger-Zylinder (0° to 78°)	76"	44"
Cilindro 2°braccio 2.boom cylinder 2. Ausleger-Zylinder	137"	91"
Elementi telescopici Boom extensions Teleskopausschübe		
2S	45"	28"
3S	63"	41"
4S	80"	53"
5S	96"	65"
6S	112"	77"
7S	127"	90"
8S	143"	101"

CAPACITÀ CIRCUITO
IDRAULICO

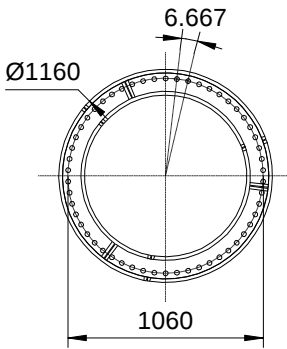
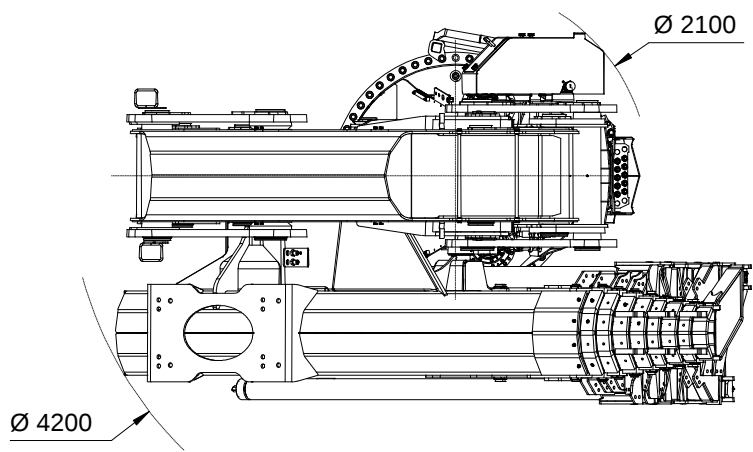
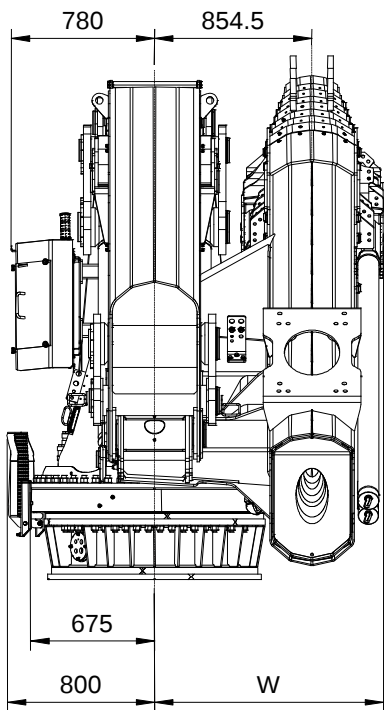
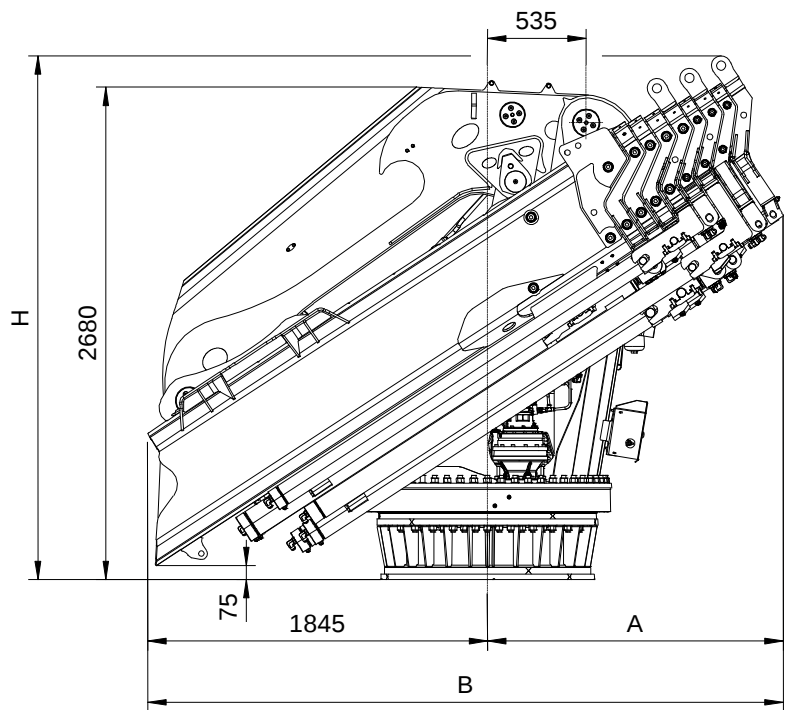
CAPACITY OF HYDRAULIC
SYSTEM

VOLUMEN DES
HYDRAULIKKREISES

VR150NG F/M

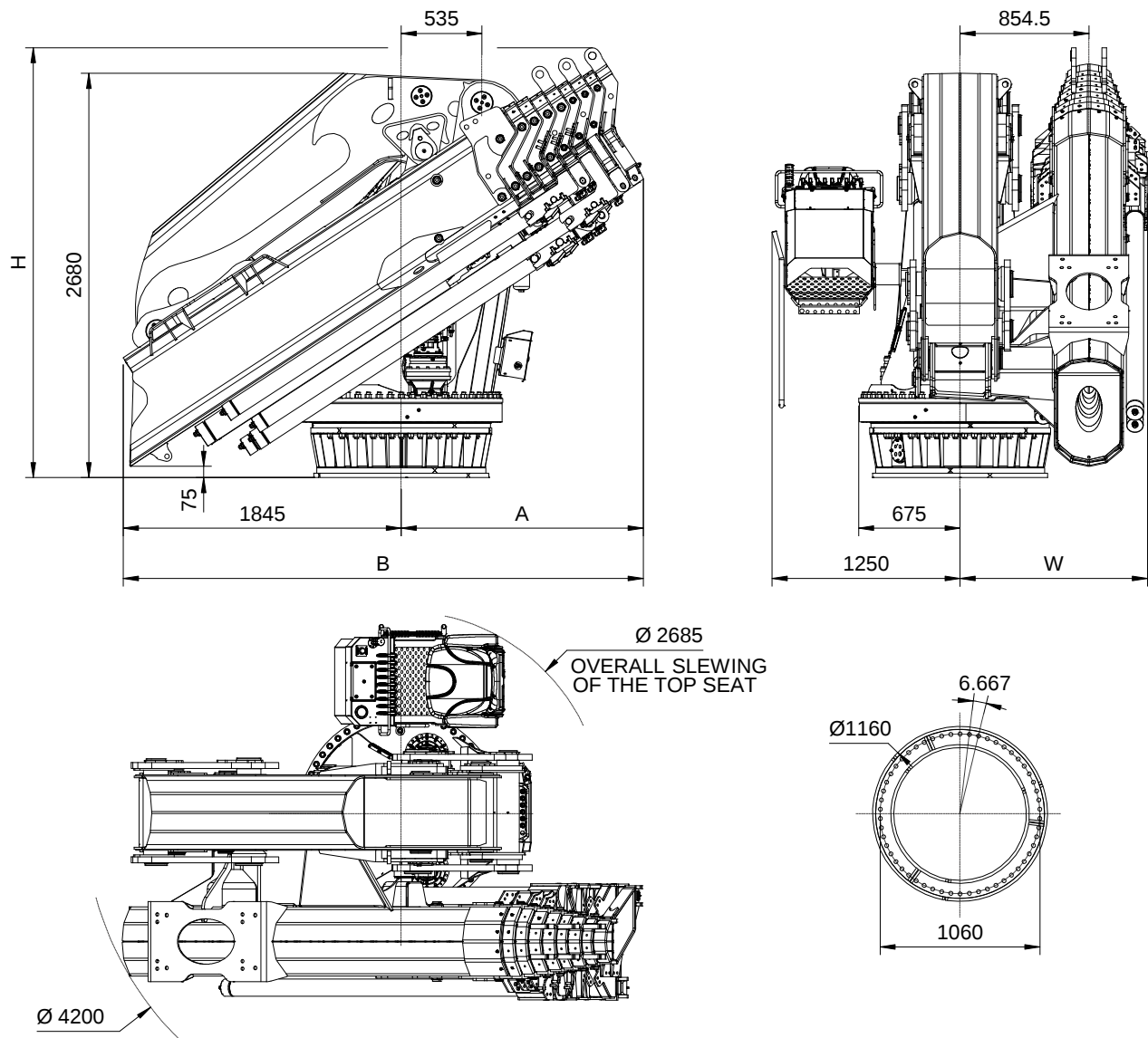
 CAPACITÀ CIRCUITO IDRAULICO CAPACITY OF HYDRAULIC SYSTEM VOLUMEN DES HYDRAULIKKREISES [dm³]		
Versione Version	Cilindri estesi Open cylinders Ausgefahrene Zylinder	Cilindri chiusi Closed cylinders Eingefahrene Zylinder
2S	241	143
3S	264	153
4S	284	163
5S	302	173
6S	321	182
7S	338	191
8S	355	201

VR150NG F/M
NO FOOTBOARD



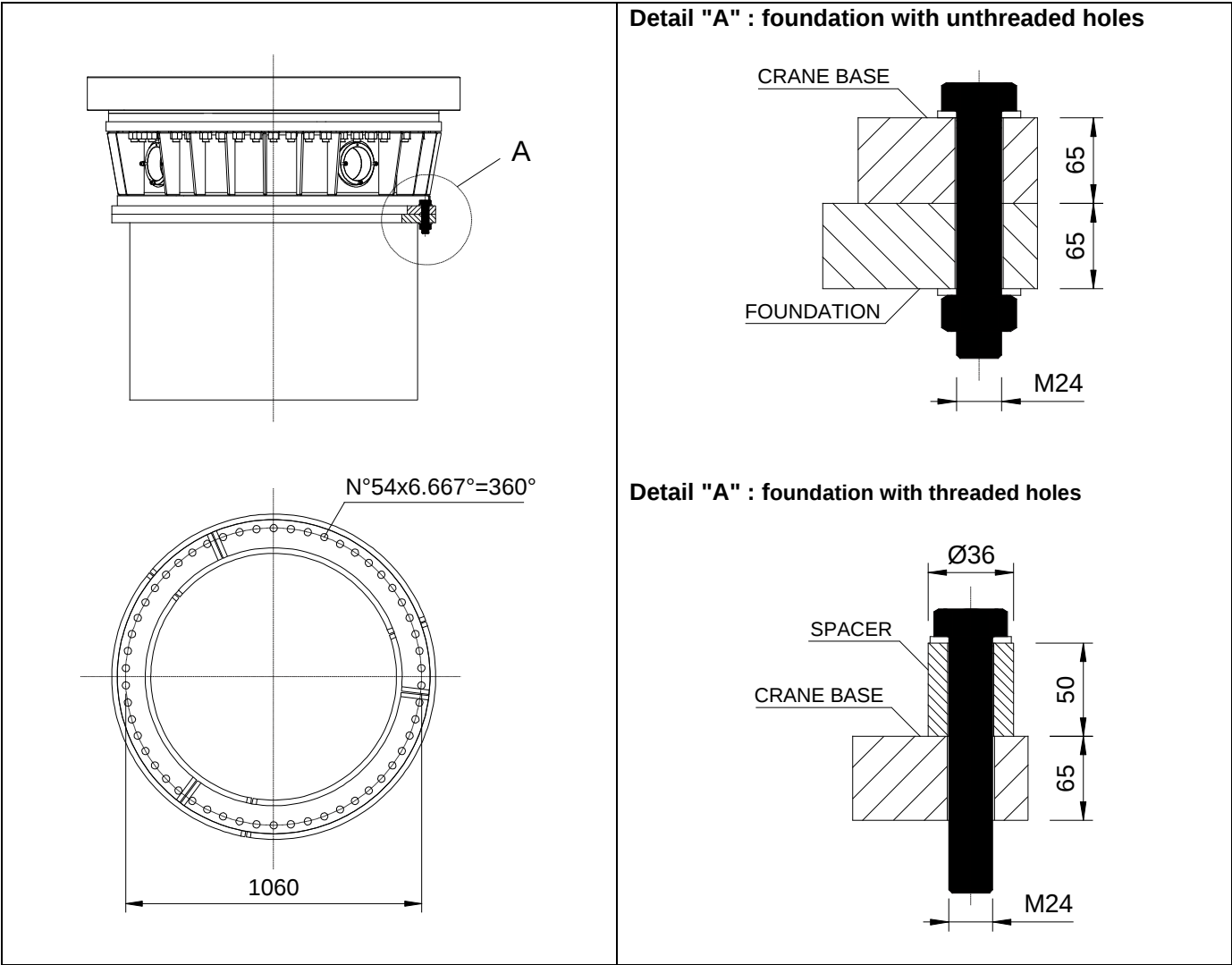
	A [mm]	B [mm]	H [mm]	W [mm]
2S	1155	3000	2650	1190
3S	1295	3140	2685	1190
4S	1380	3225	2730	1245
5S	1380	3225	2765	1245
6S	1435	3280	2785	1245
7S	1520	3365	2820	1245
8S	1605	3450	2850	1245

VR150NG F/M
WITH TOPSEAT



	A [mm]	B [mm]	H [mm]	W [mm]
2S	1155	3000	2650	1190
3S	1295	3140	2685	1190
4S	1380	3225	2730	1245
5S	1380	3225	2765	1245
6S	1435	3280	2785	1245
7S	1520	3365	2820	1245
8S	1605	3450	2850	1245

VR150NG F/M



	Dimensioni Dimensions Abmessungen	Materiale Material Material	Coppia di serraggio Tightening torque Anzugsmomente
Viti di fissaggio Mounting bolts Befestigungsbolzen	M24x3 L = 175 mm	10.9 fy = 900 N/mm ²	850 Nm (GEOMET)
Distanziali Spacers Distanzstück	D = Ø47 - Ø25 mm h ¹ = - mm h ² = 50 mm	S355 EN 10025 fy = 355 N/mm ²	-

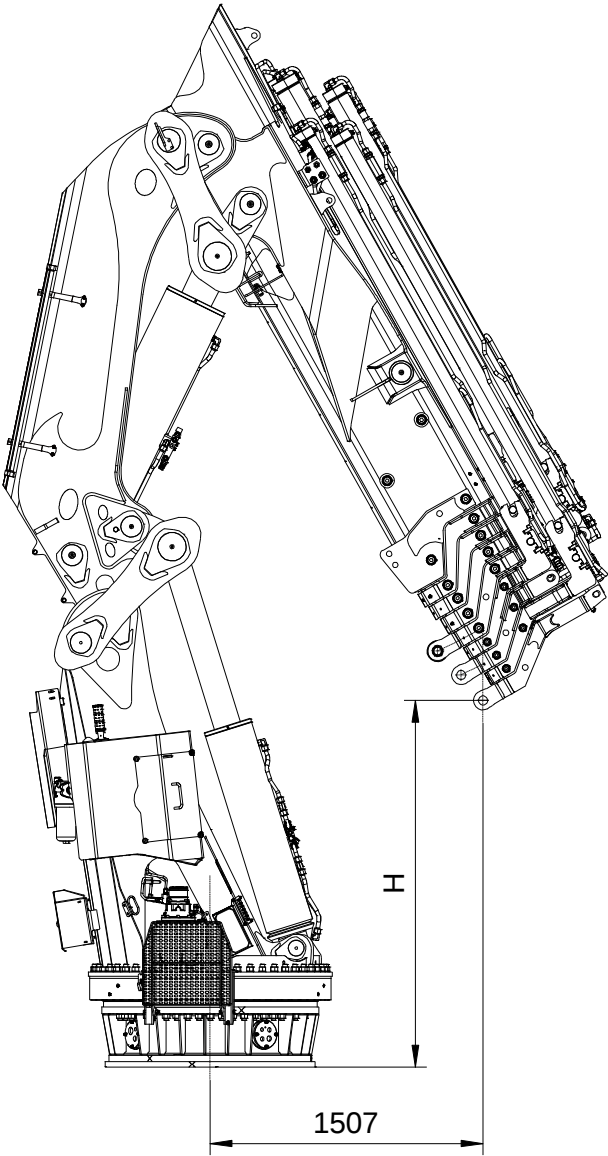
Dove / Where / Wo:
fy : resistenza minima allo snervamento / min. yield strength / Mindeststreckgrenze
L : lunghezza del bullone / bolt length / Bolzenlänge
D : diametro esterno - interno / outer - inner diameter / Außendurchmesser - Innendurchmesser
h1 = altezza distanziale consigliata per fondazioni con fori non filettati / recommended spacer height for foundation with unthreaded holes / empfohlene Distanzhalterhöhe für Fundamente mit gewindelosen Bohrungen
h2 = altezza del distanziatore consigliata per fondazioni con fori filettati / recommended spacer height for foundation with threaded holes / empfohlene Höhe des Distanzhalterhöhe für Fundamente mit Gewindebohrungen

ALTEZZA DI SOLLEVAMENTO
PRESSO LA COLONNA

LIFTING HEIGHT CLOSE TO
THE COLUMN

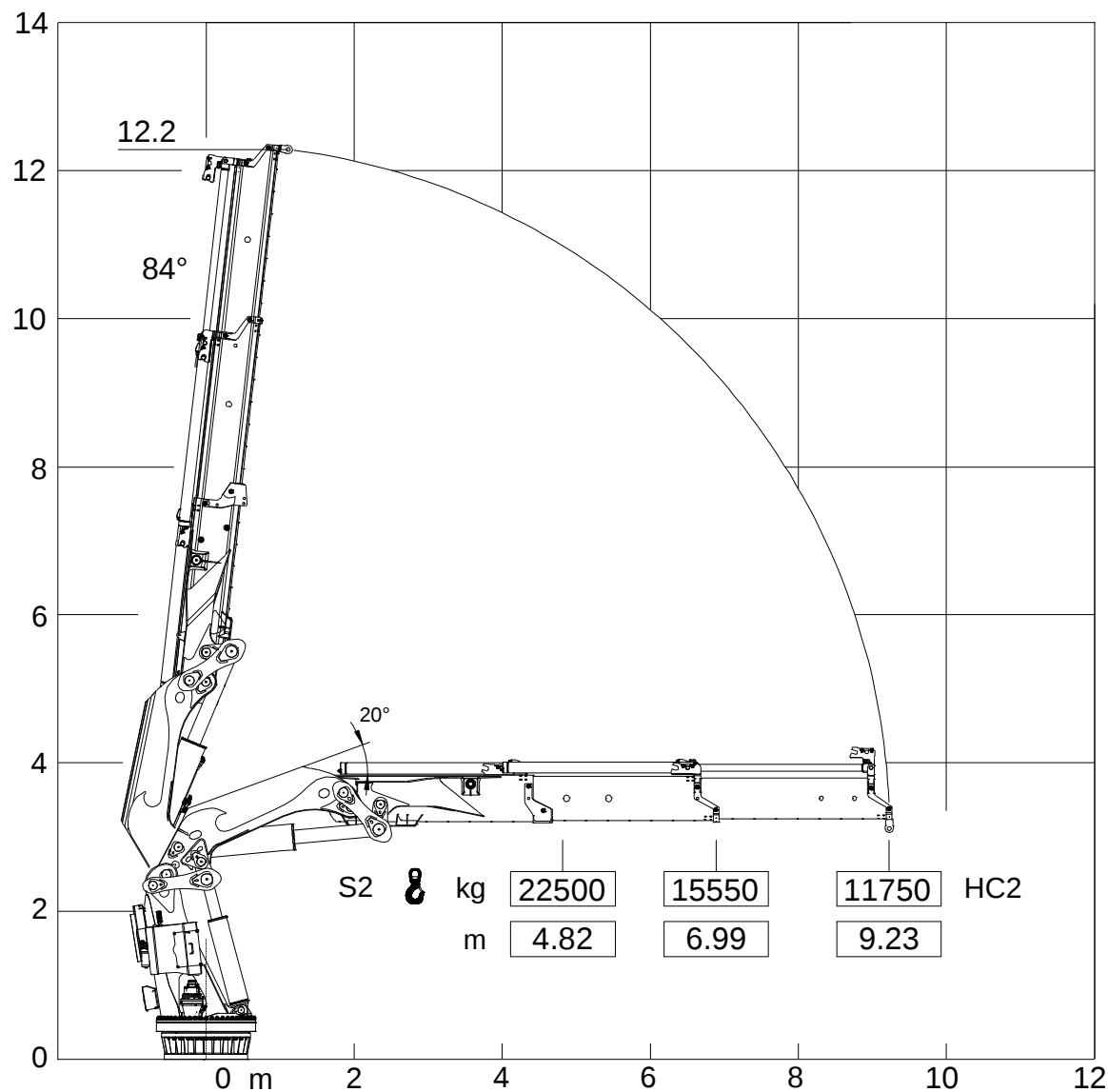
HUBHÖHE BEI SÄULE

VR150NG F/M



	4S	6S	8S
H [mm]	2419	2220	2020

VR150NG F/M 2S

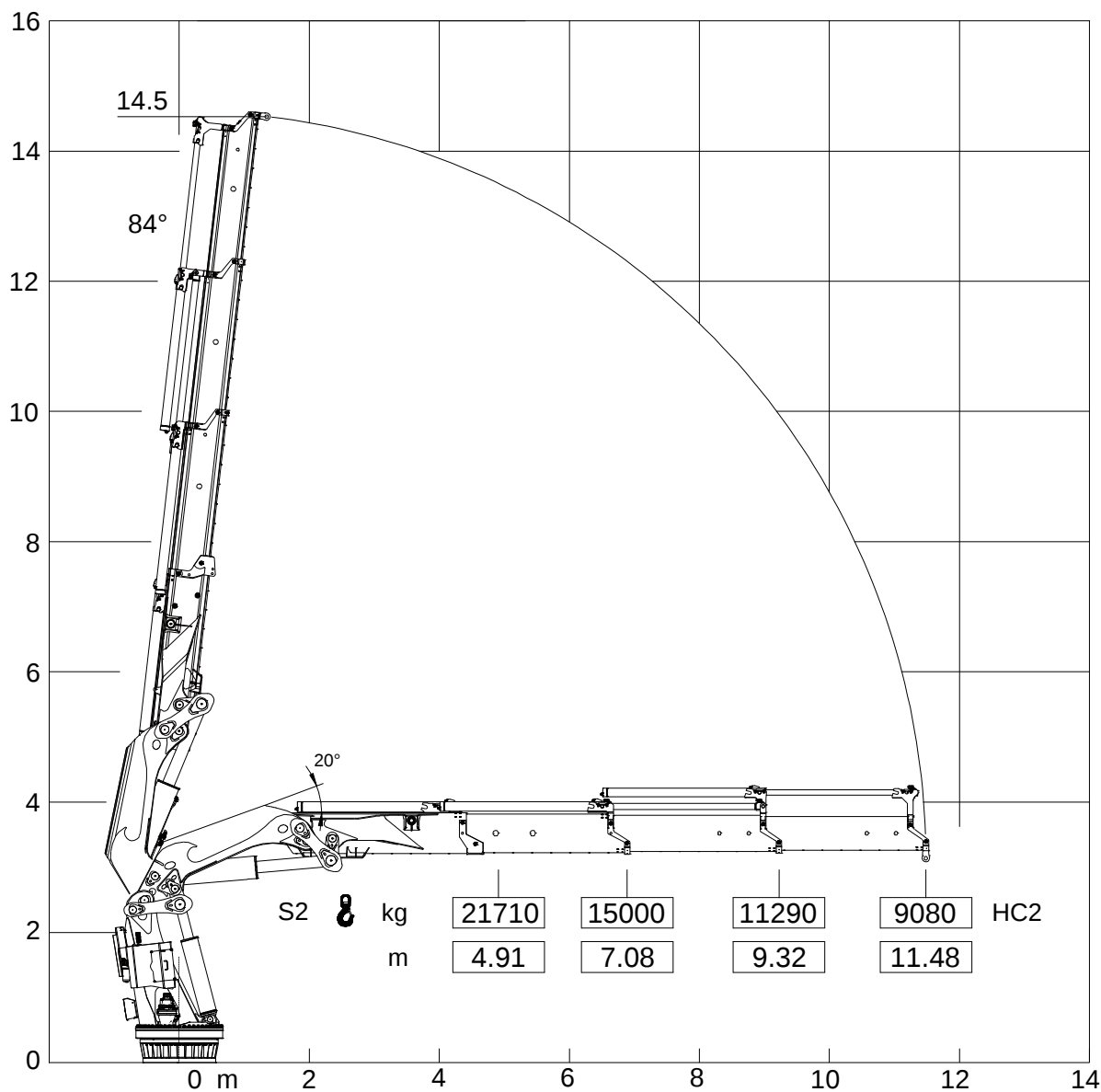


In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

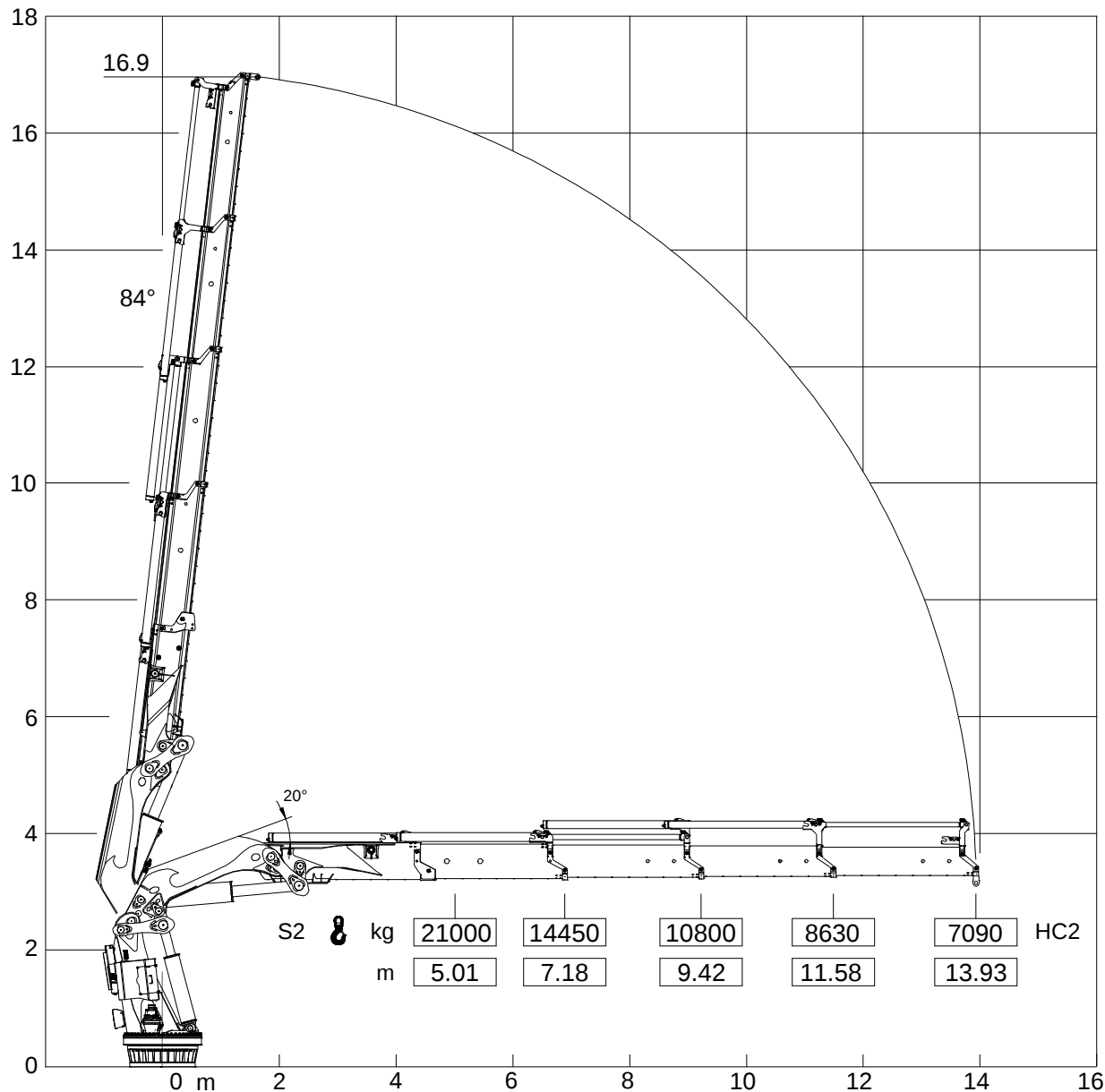
If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

VR150NG F/M 3S



VR150NG F/M 4S

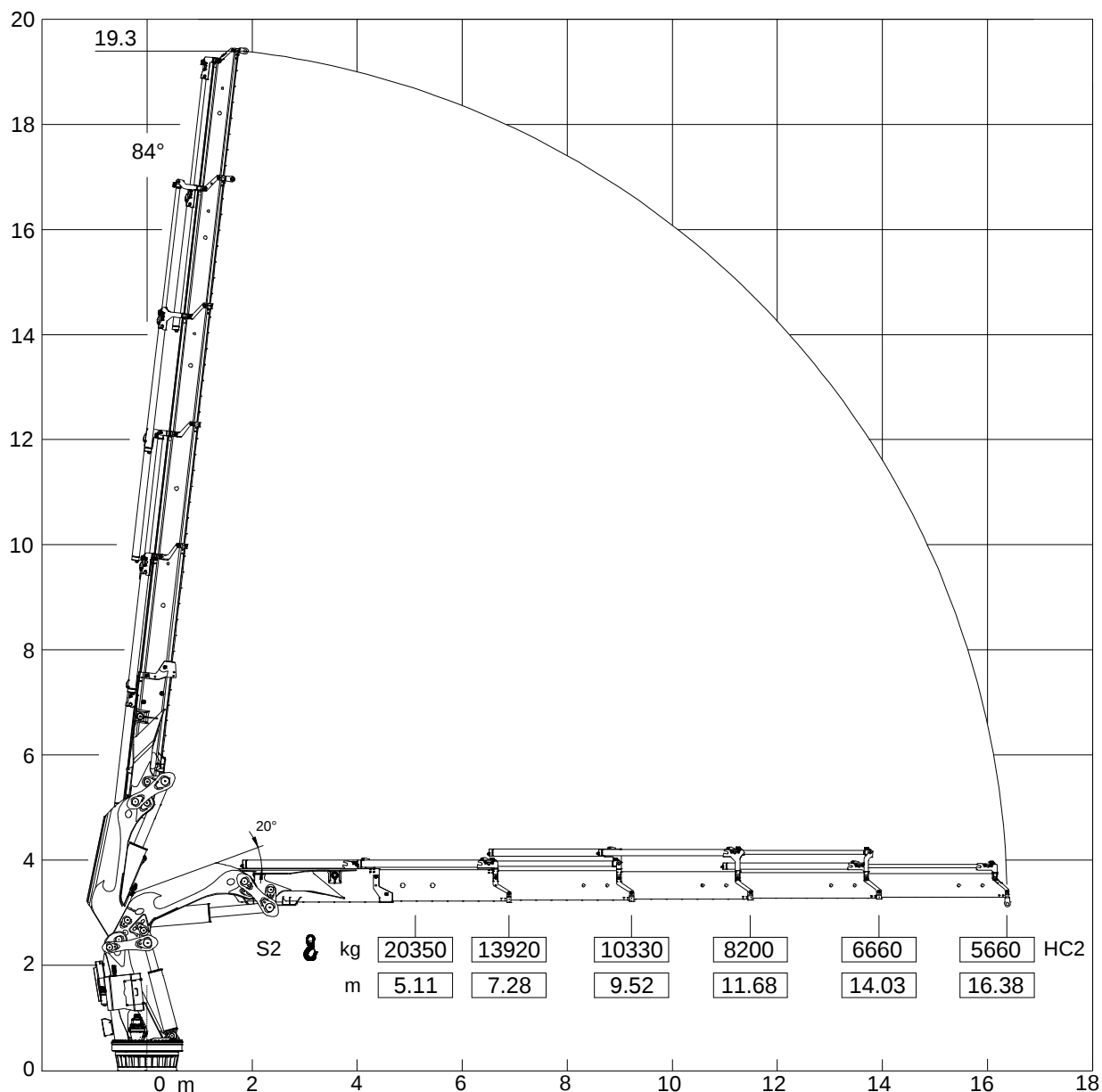


In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

VR150NG F/M 5S

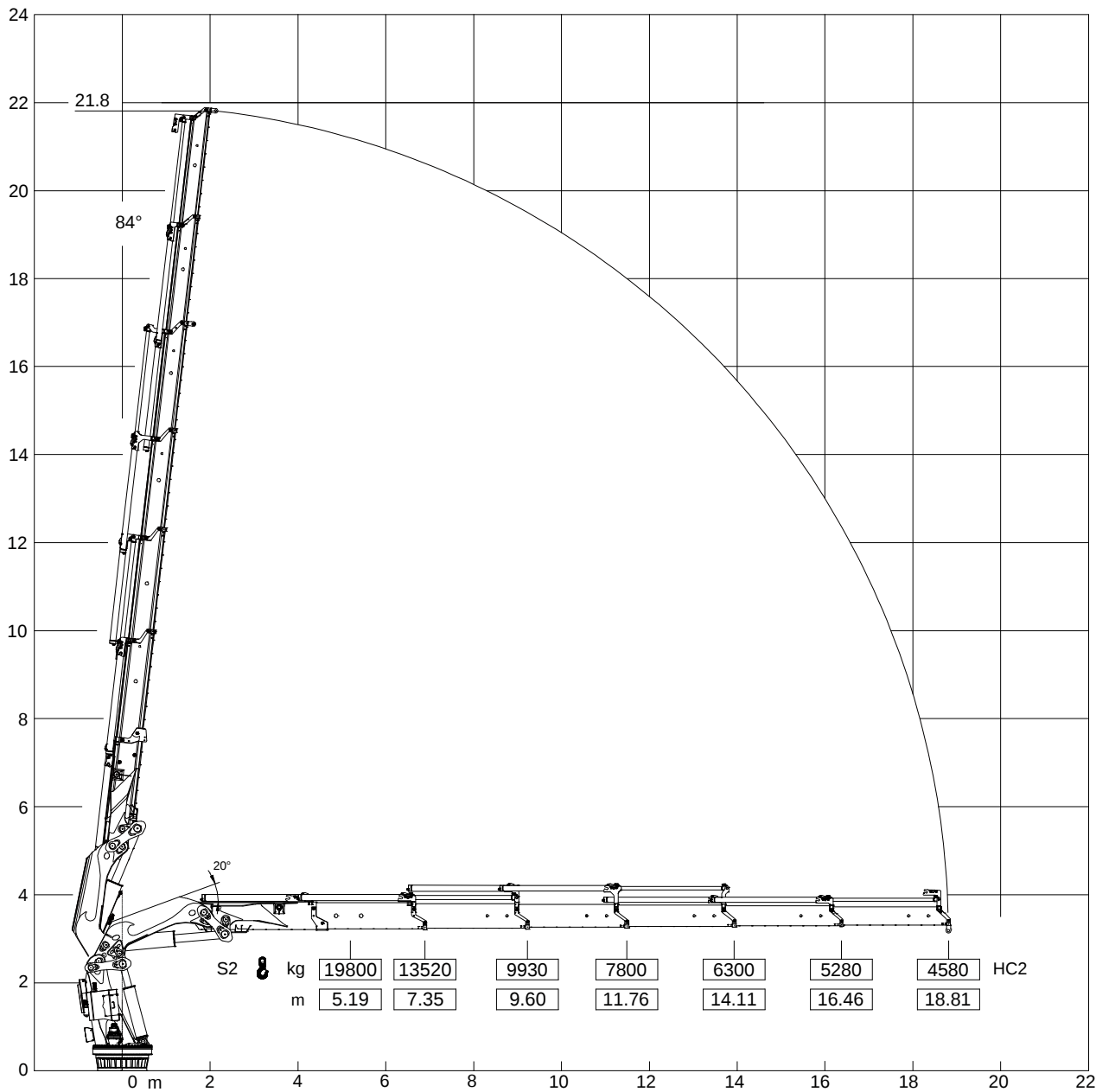


In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

VR150NG F/M 6S

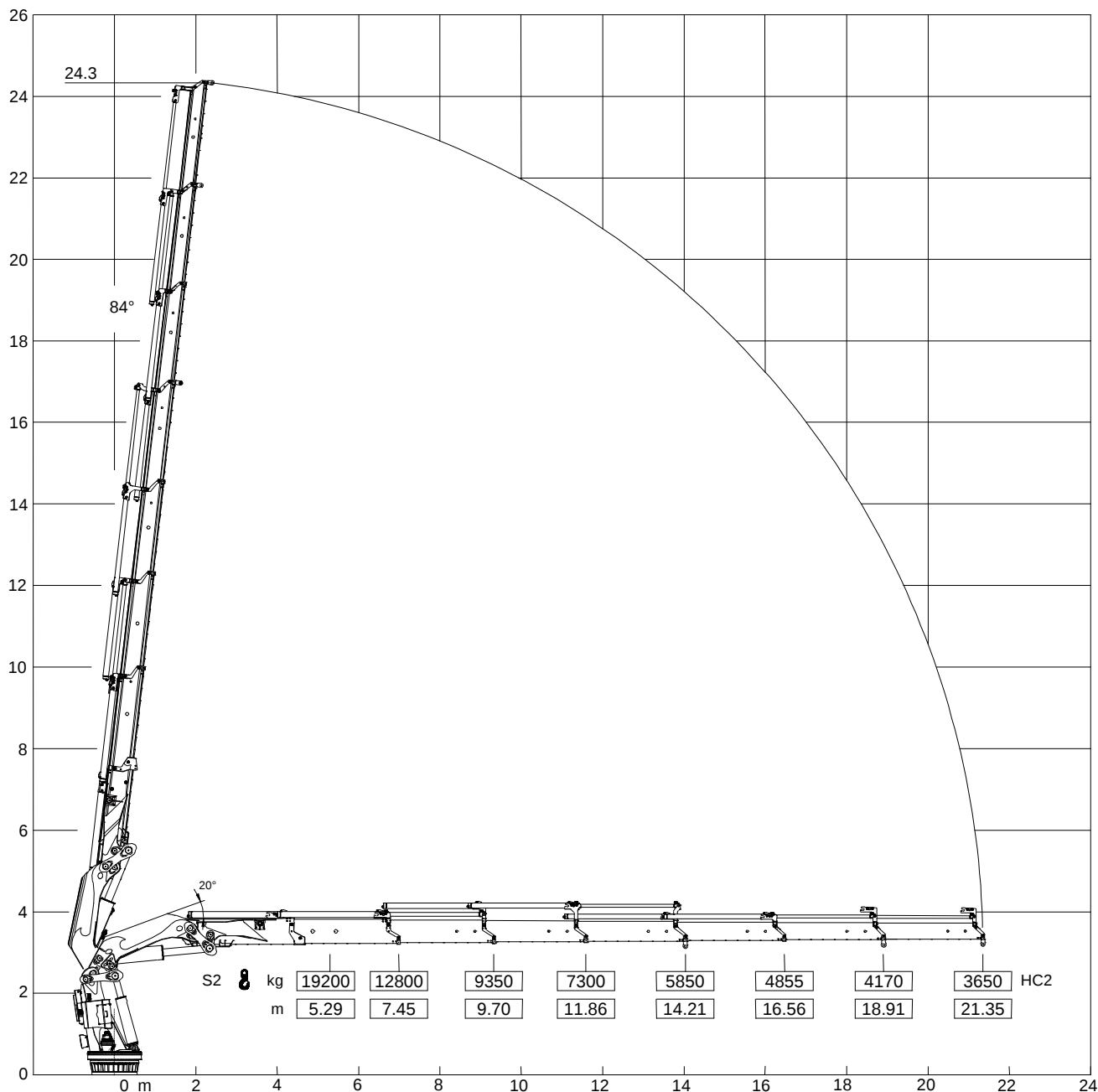


In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

VR150NG F/M 7S

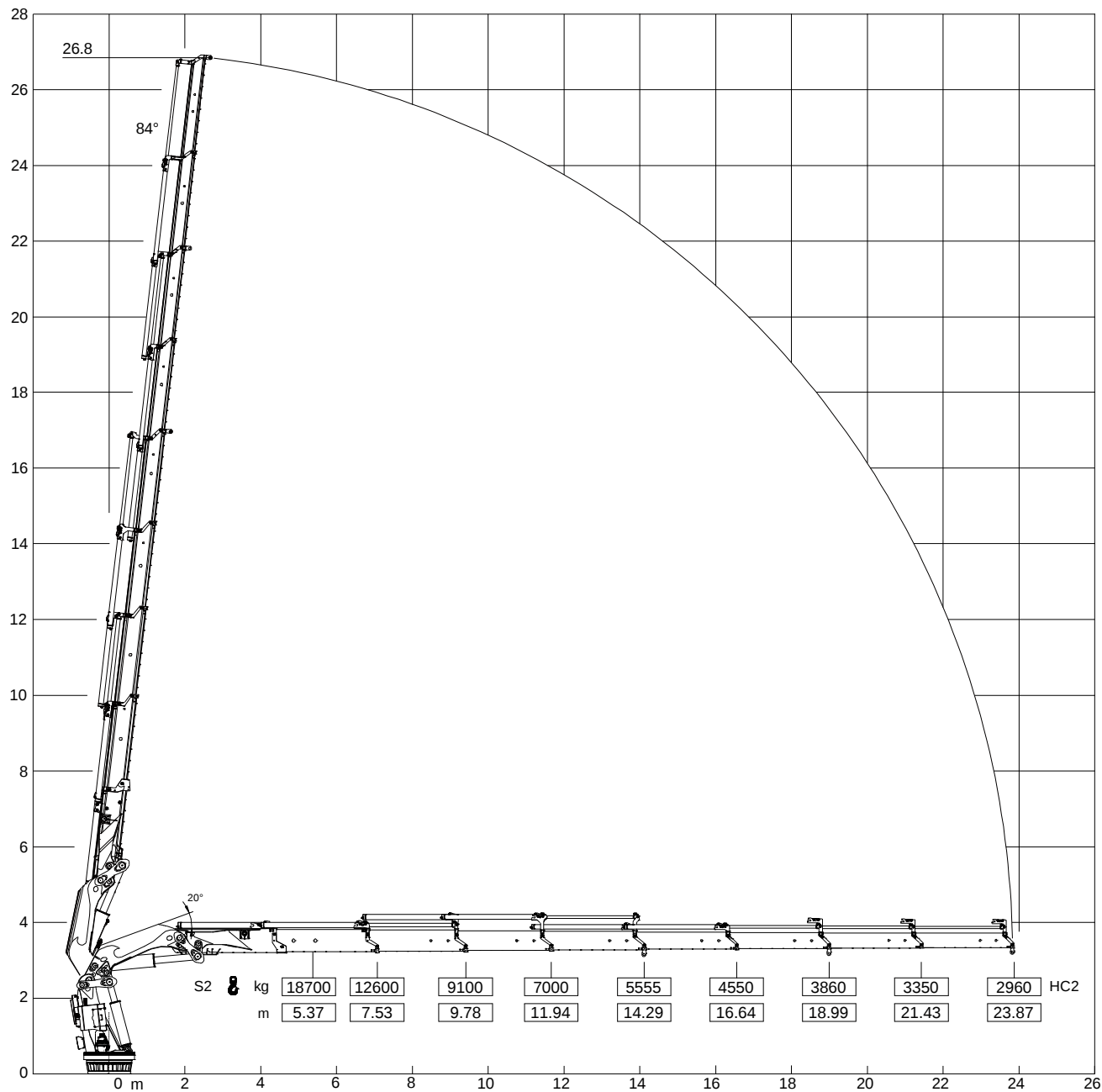


In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

VR150NG F/M 8S



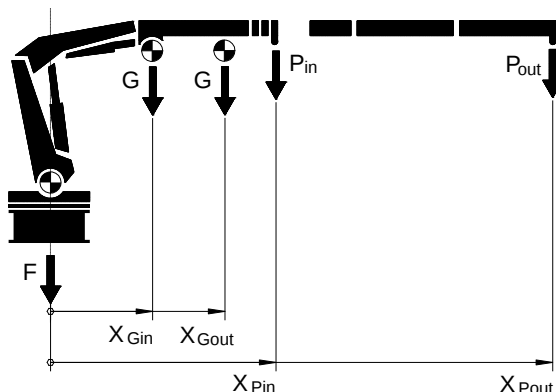
In caso di uso con attrezzo, le portate di targa sono ridotte del peso dell'attrezzo: la classe di spettro tensionale della gru diventa S1.

If an additional lifting tool is mounted, the rated capacities shall be reduced by the tool's weight: the crane's stress history class becomes S1.

Wenn man zusätzliche Hubgeräte montiert, werden die Nennlasten um das Gewicht des Gerätes reduziert: die Kranbelastungsklasse wird S1.

PESI E BARICENTRI

Carichi e baricentri:

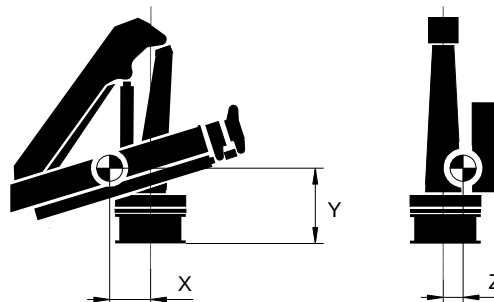


Di seguito si elencano i parametri utilizzati nei calcoli:

F = peso parti fisse
G = peso bracci a sbalzo
Xg = distanza di G da asse colonna
P = carico nominale
Xp = distanza di P da asse colonna
X, Y, Z = coordinate del baricentro gru completa chiusa in posizione di trasporto

WEIGHTS AND CENTRES OF GRAVITY

Loads and centers of gravity:



The parameters used in the calculations are listed below:

F = weight of fixed parts
G = weight of extension booms
Xg = distance of G from column axis
P = nominal load
Xp = distance of P from column axis
X, Y, Z = coordinates of center of gravity for whole crane folded in transport position

GEWICHTE UND SCHWERPUNKTE

Lasten und Schwerpunkte:

Nachstehend werden die in den Berechnungen verwendeten Parameter aufgeführt:

F = Gewicht der festen Teile
G = Gewicht freitragende Ausleger
Xg = Abstand zwischen G - Säulenachse
P = Nennlast
Xp = Abstand zwischen P - Säulenachse
X, Y, Z = Koordinaten des Schwerpunkts für den gesamten Kran in Transportstellung

VR150NG F/M HC2	F [kg]	G [kg]	X _G in / out [m]	P in / out [kg]	X _P in / out [m]	X [mm]	Y [mm]	Z [mm]
2S	3200	4650	2.03 2.83	22500 11750	4.82 9.23	277	1225	201
3S		5190	2.19 3.58	21710 9080	4.91 11.48	256	1229	247
4S		5690	2.33 4.40	21000 7090	5.01 13.93	237	1236	282
5S		6130	2.42 5.15	20350 5660	5.11 16.38	224	1244	314
6S		6530	2.50 5.88	19800 4580	5.19 18.81	208	1255	333
7S		6910	2.58 6.66	19200 3650	5.29 21.35	190	1262	356
8S		7240	2.64 7.40	18700 2960	5.37 23.87	174	1271	370