





## TECHNICAL SHEET

	HC331
<b>Max dynamic moment [daNm]</b>	38600

<b>Max capacity [kg]</b>	<b>Version</b>	<b>HC331</b>
	E1	11930
E2	11625	
E3	11320	
E4	11010	
E5	10705	
E6	10450	
E7	10195	
E8	10145	
E4J4	3000	
E5J4	2700	

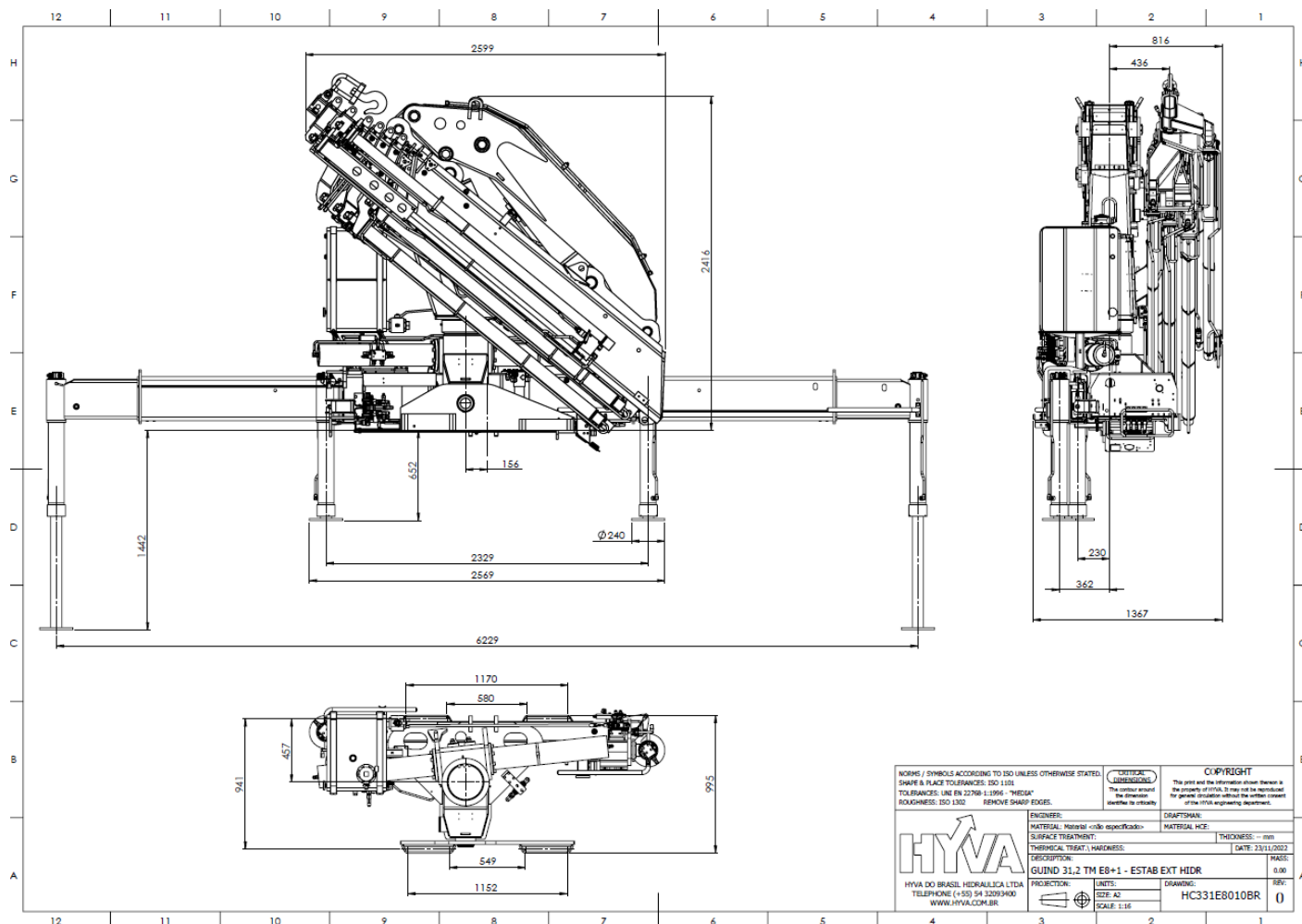
<b>Crane weight [kg]</b>	<b>Version</b>	<b>HC331</b>
	E1	3590
E2	3820	
E3	4040	
E4	4270	
E5	4440	
E6	4600	
E7	4720	
E8	4840	
E4J4	5110	
E5J4	5280	

<b>Max force on the stabilizer leg (daN)</b>	13000	
<b>Max stabilizer pressure on the ground (daN/cm<sup>2</sup>)</b>	28,8	
<b>Max working pressure</b>	<b>HC331</b>	300 bar   290 bar (JIB)
<b>Max oil flow</b>	50 l/min	
<b>Oil tank capacity</b>	160 l	
<b>Slewing moment</b>	3695 daNm	
<b>Slewing angle</b>	397°	
<b>Absorbed power</b>	<b>HC331</b>	29,3 kW   52,0 kW (X)
<b>Design standard</b>	DIN 15018 / EN 12999	

<b>Fittings for connection with pump</b>		<b>NO X</b>	<b>X</b>
<b>Control valve pressure line</b>		<b>M 7/8" - 14 JIC</b>	<b>M 1" 1/16" JIC</b>
<b>Tank suction line</b>		<b>M 1" 1/2 G</b>	<b>M 1" 1/2 G</b>

### VERSÃO SEM CONTROLE REMOTO

#### HC331E8010BR

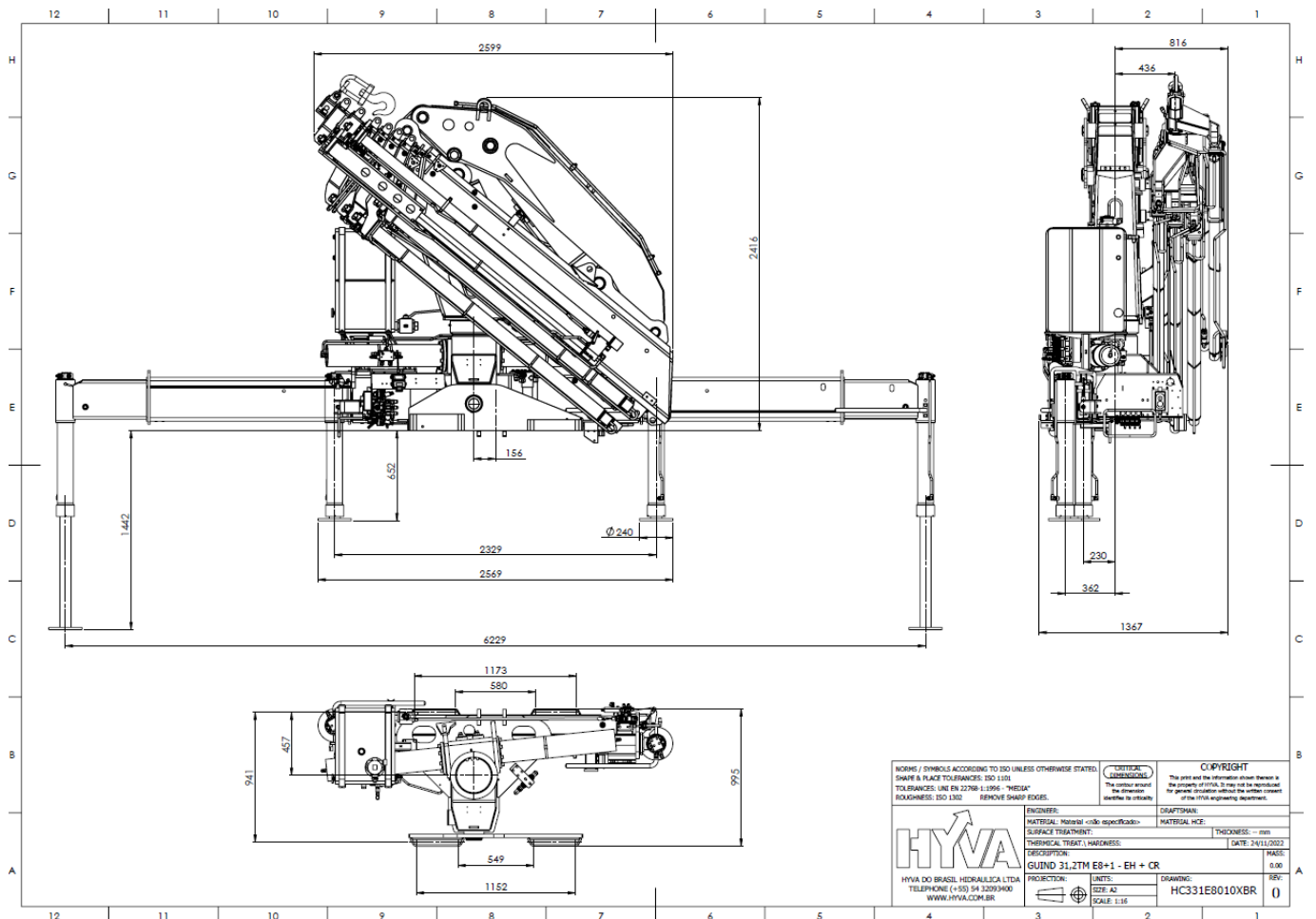


Para detalhes a respeito de outras versões, por gentileza contatar o Departamento Técnico  
 For details regarding other versions, please contact Technical Department  
 Para detalles sobre otras versiones, por favor contacte al Departamento Técnico

Tie mounting rods	N°8 M30x2 42CrMo4 QT
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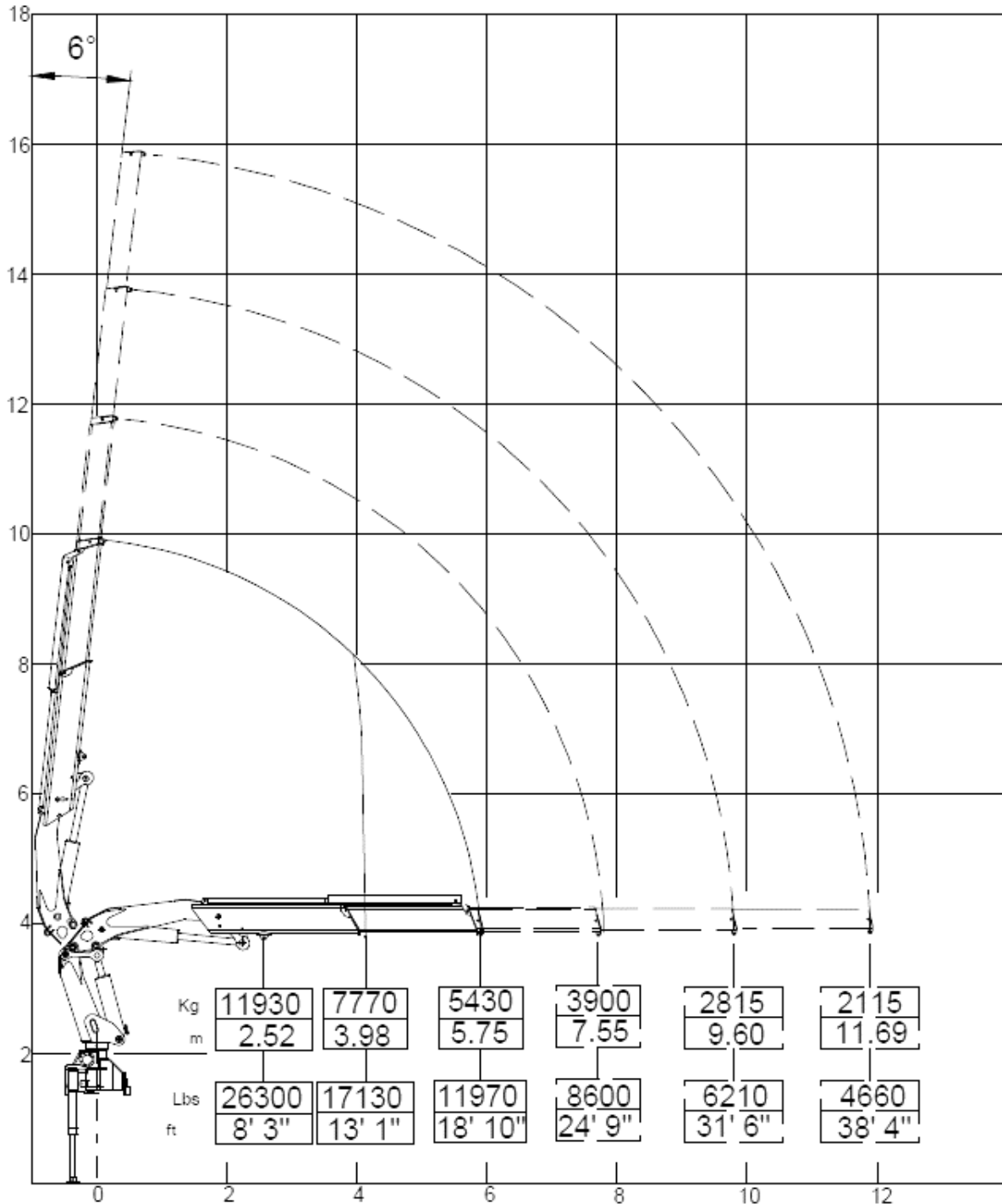
## VERSÃO COM CONTROLE REMOTO

### HC331E8010XBR

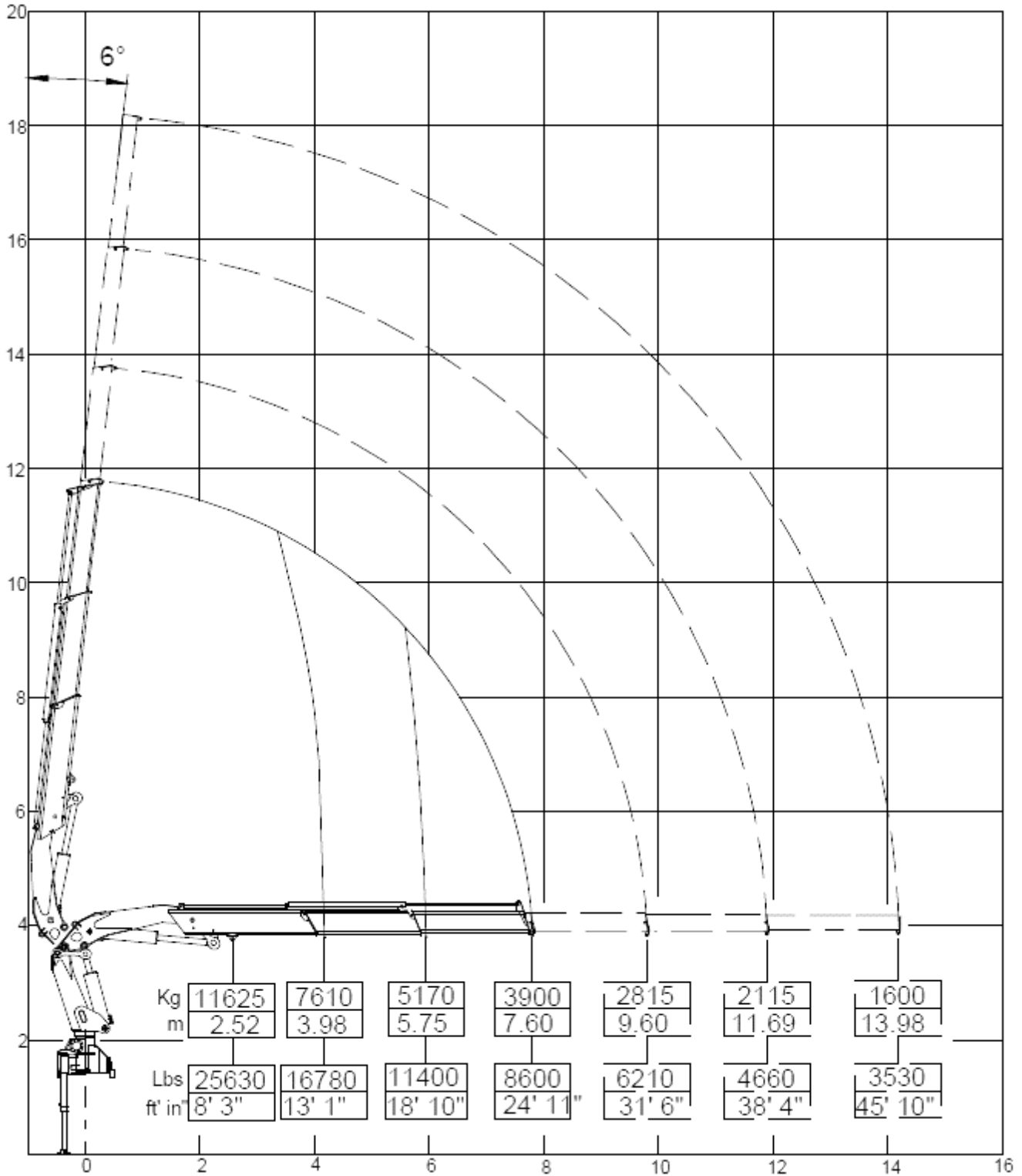


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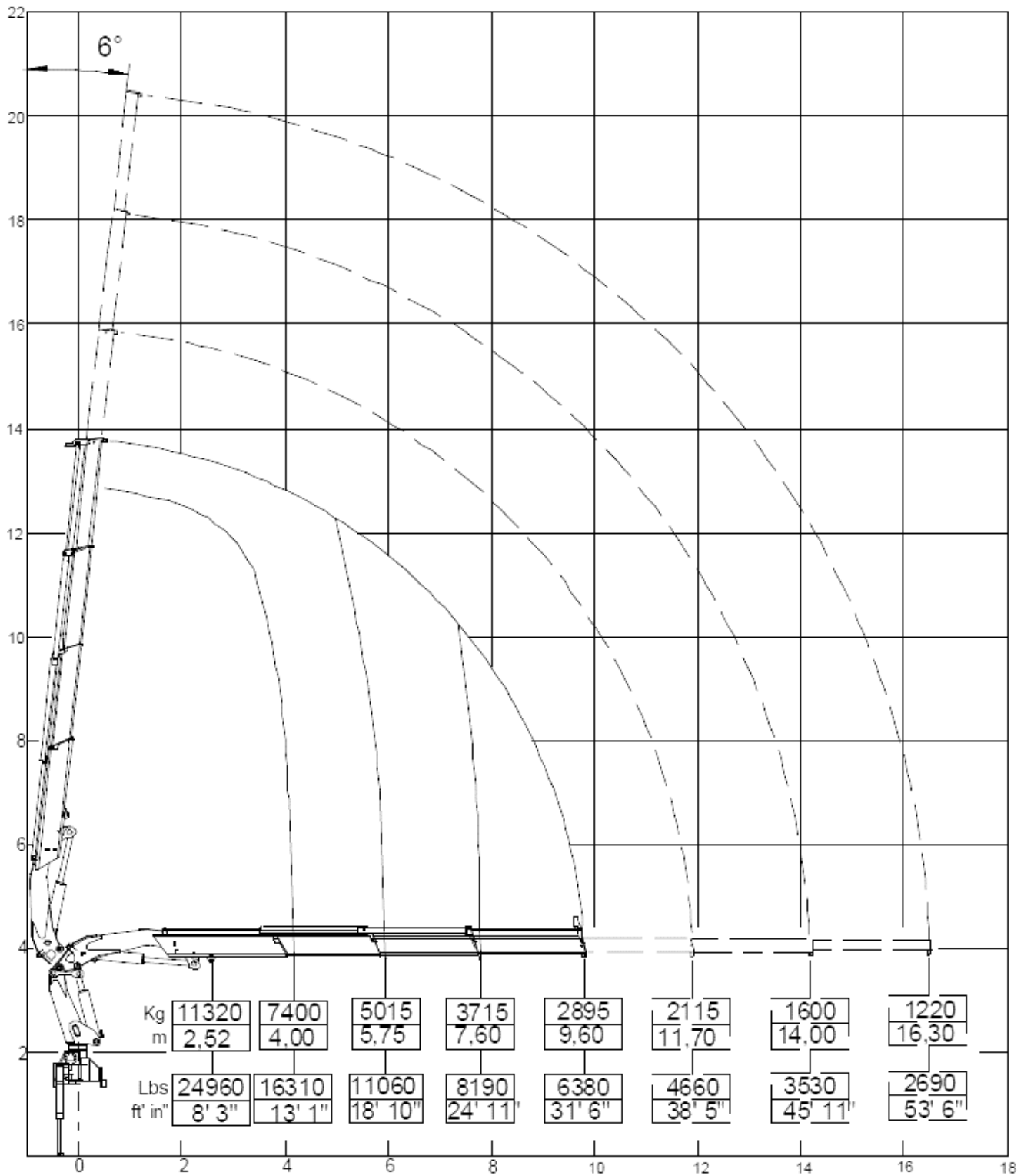
<b>Tie mounting rods</b>	<b>N°8 M30x2 42CrMo4 QT</b>
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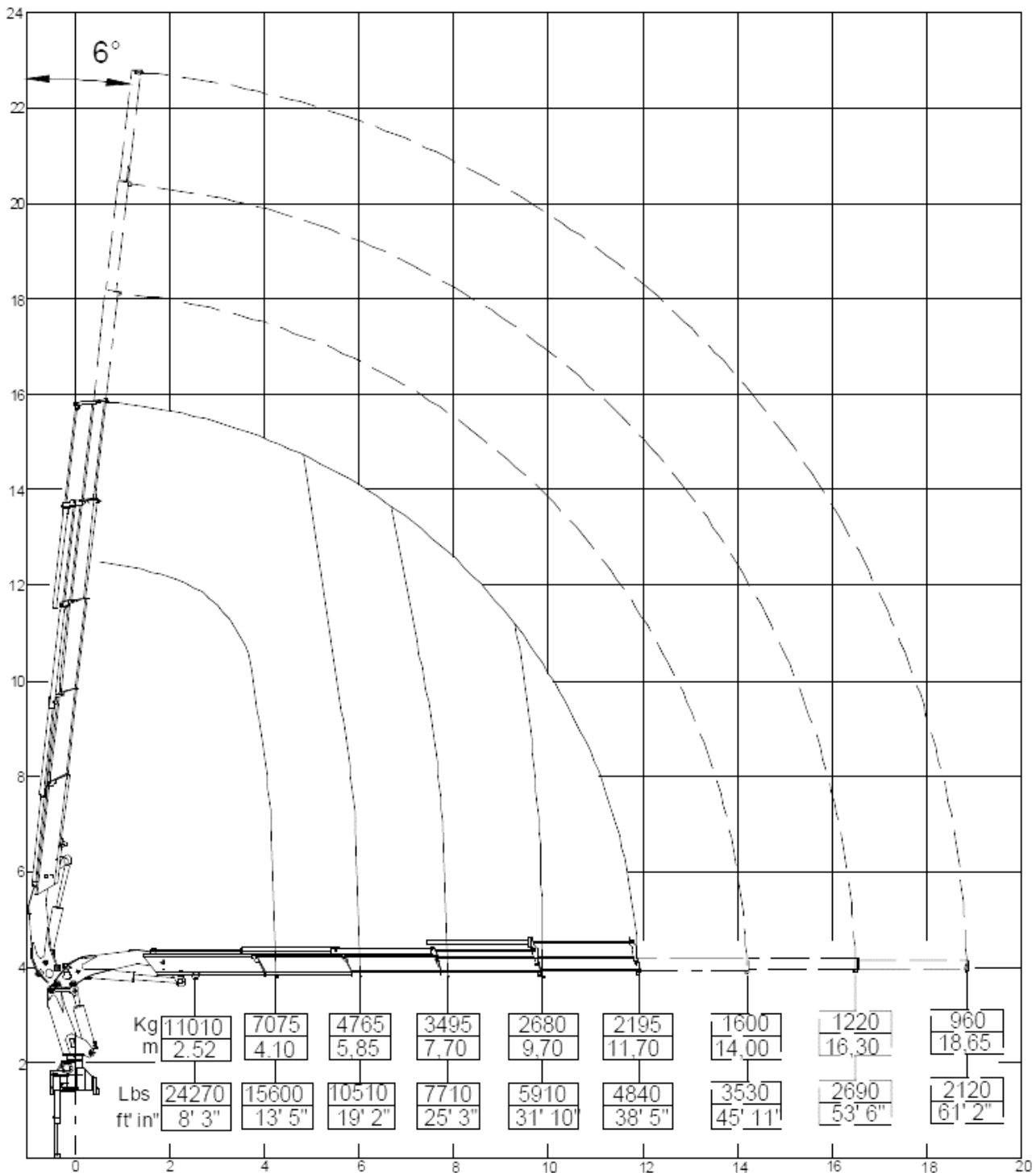
Lifting capacity = 31,22 tm



Lifting capacity = 30,29 tm

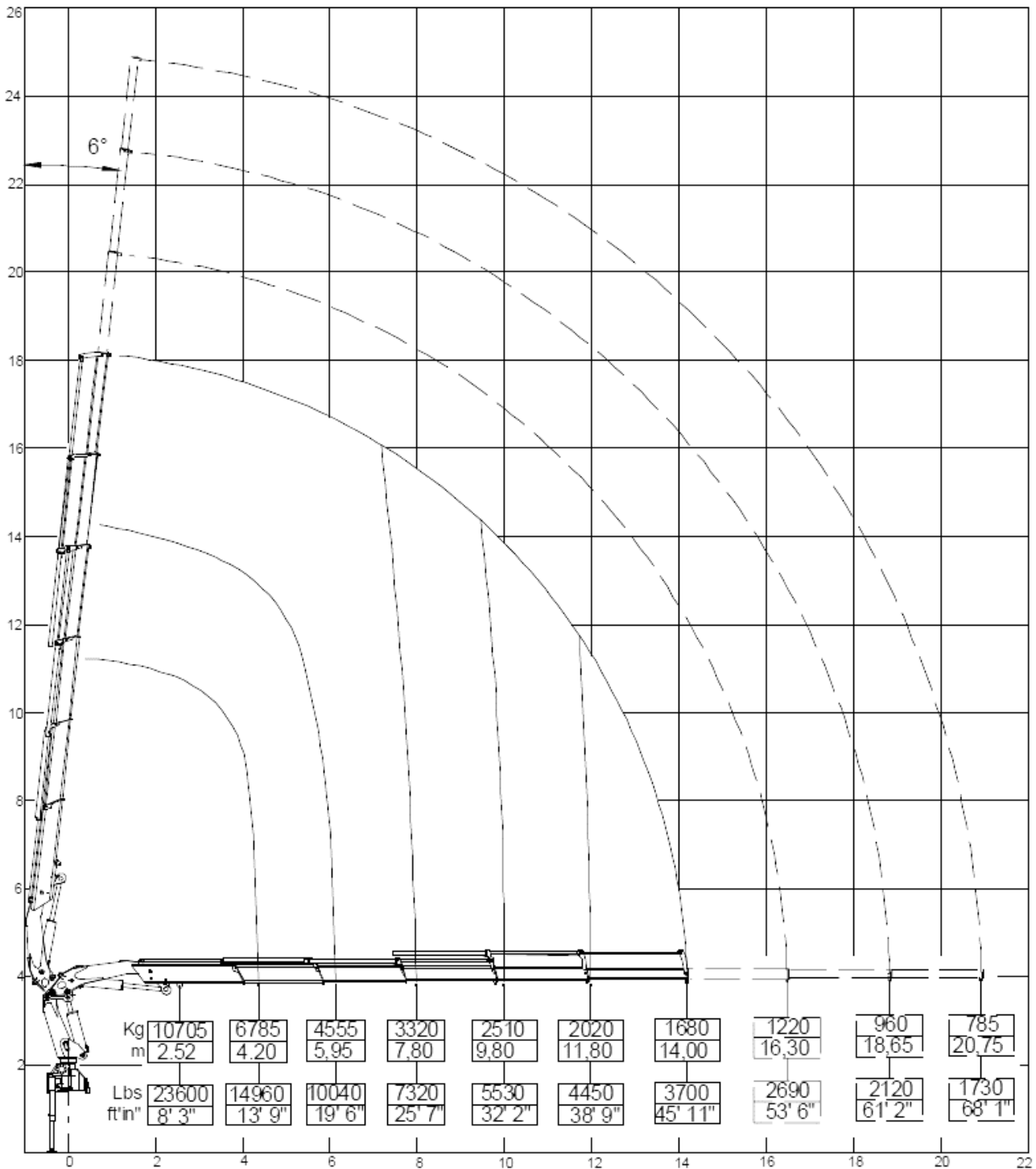


Lifting capacity = 29,6 tm

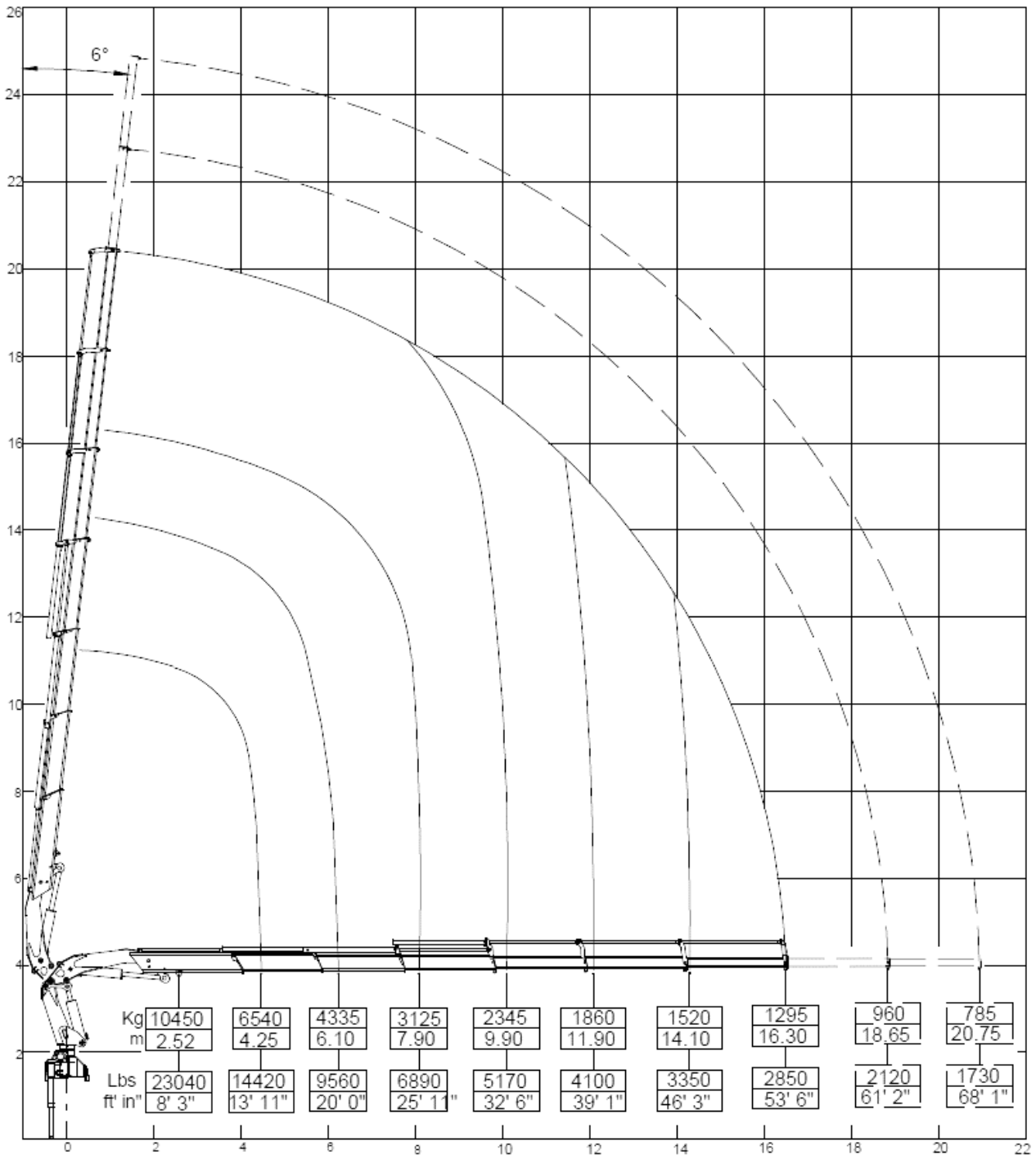


Lifting capacity = 29,01 tm

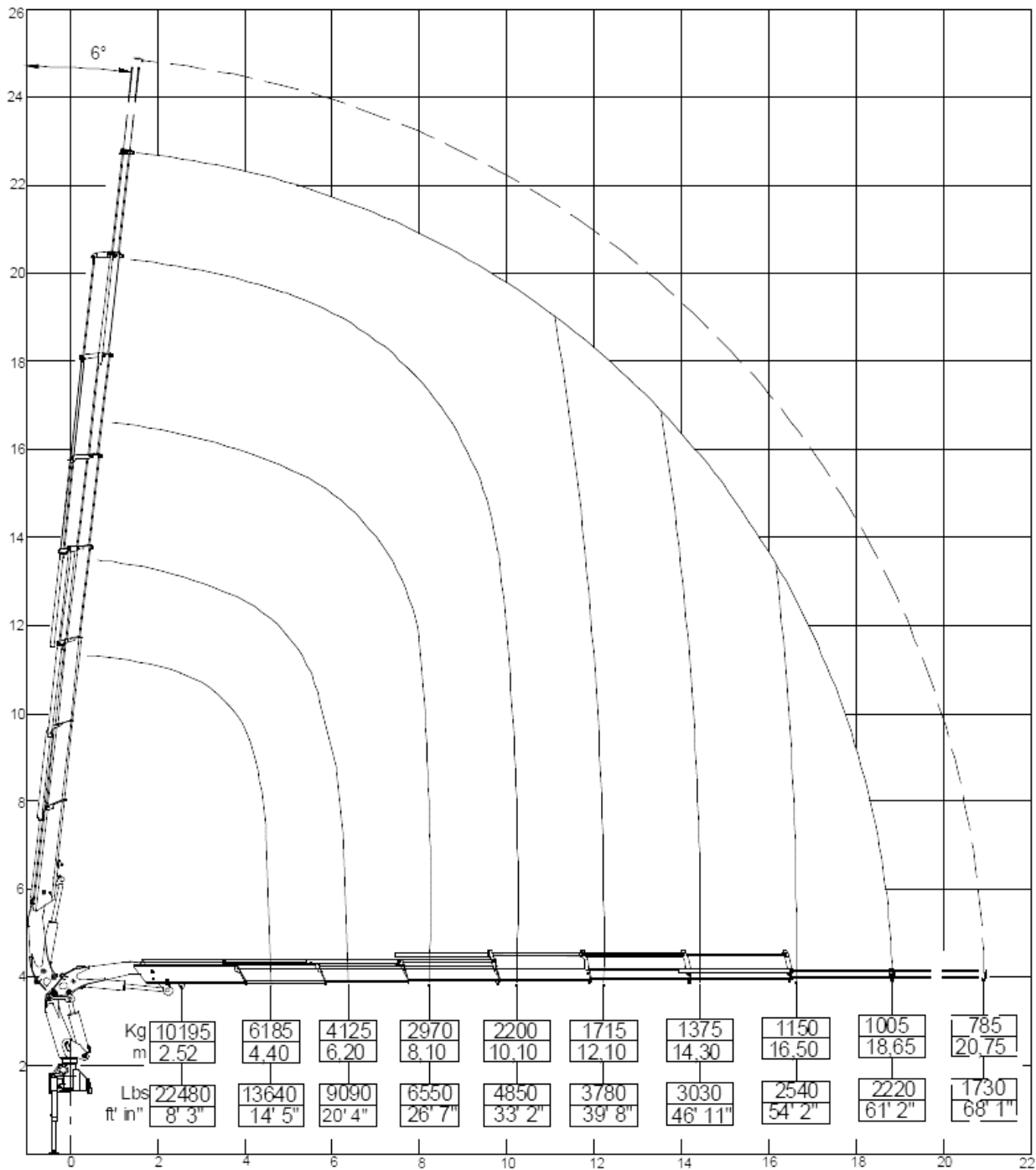




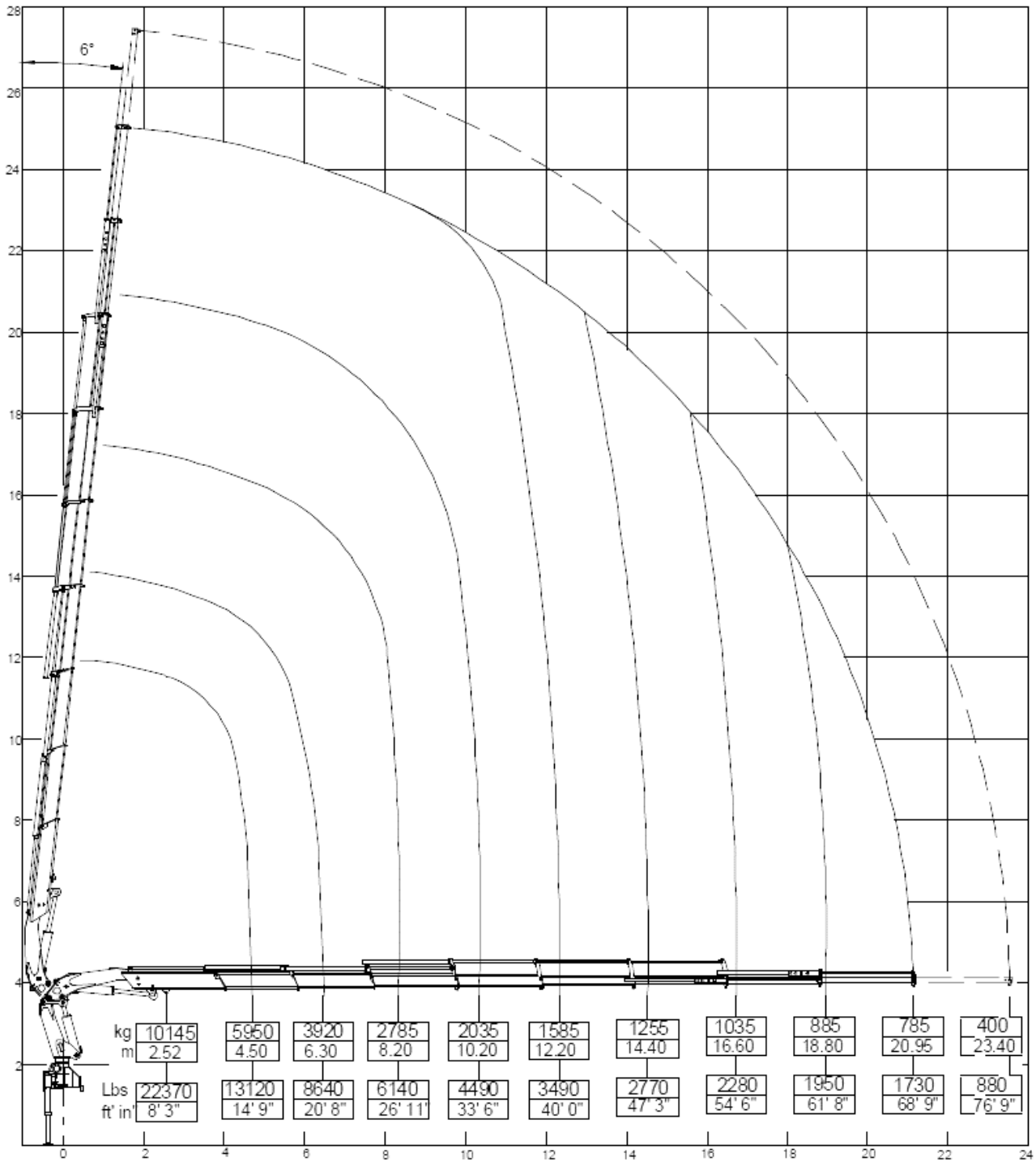
Lifting capacity = 28,5 tm



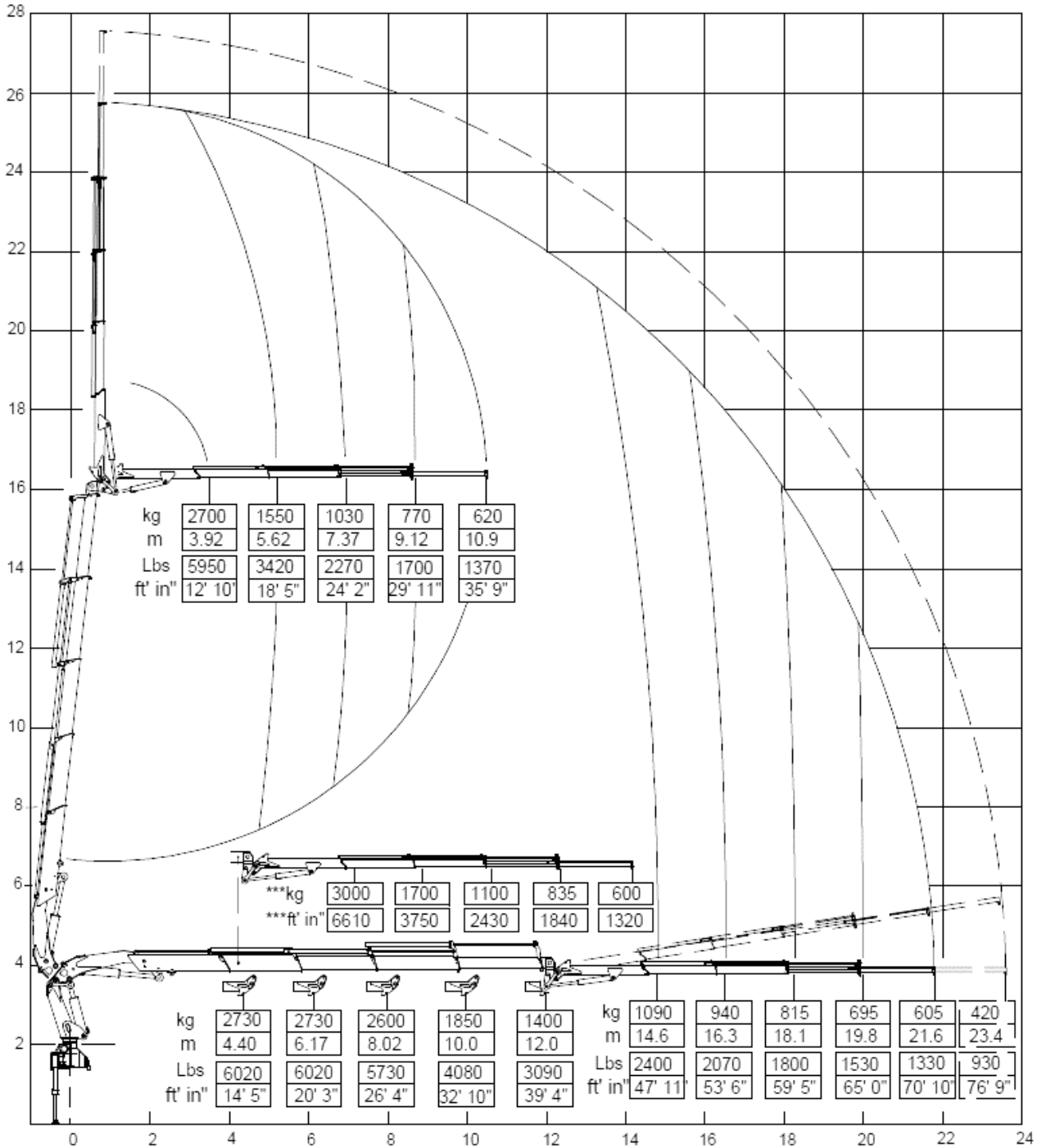
Lifting capacity = 27,8 tm



Lifting capacity = 27,21 tm

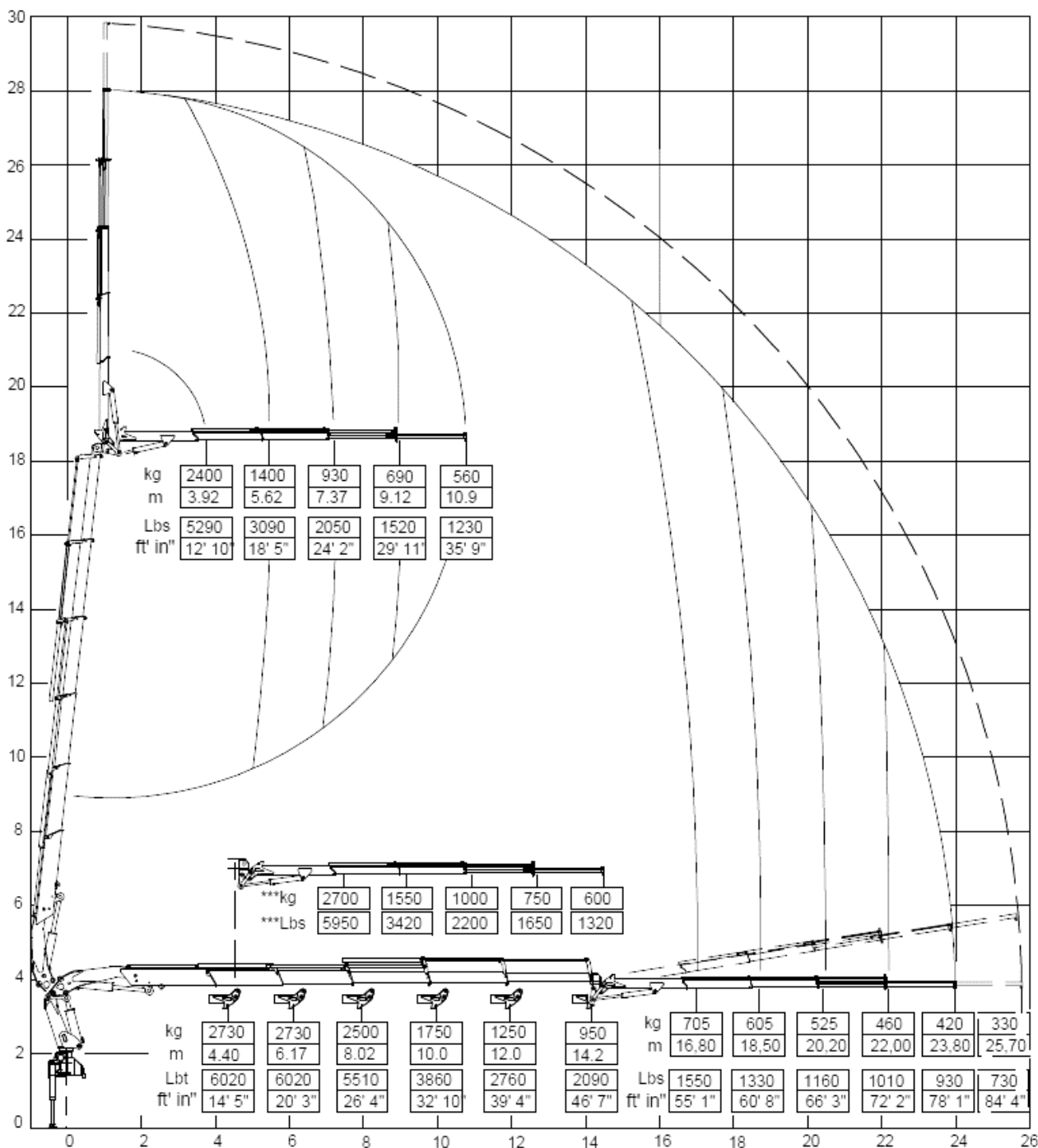


Lifting capacity = 26,78 tm



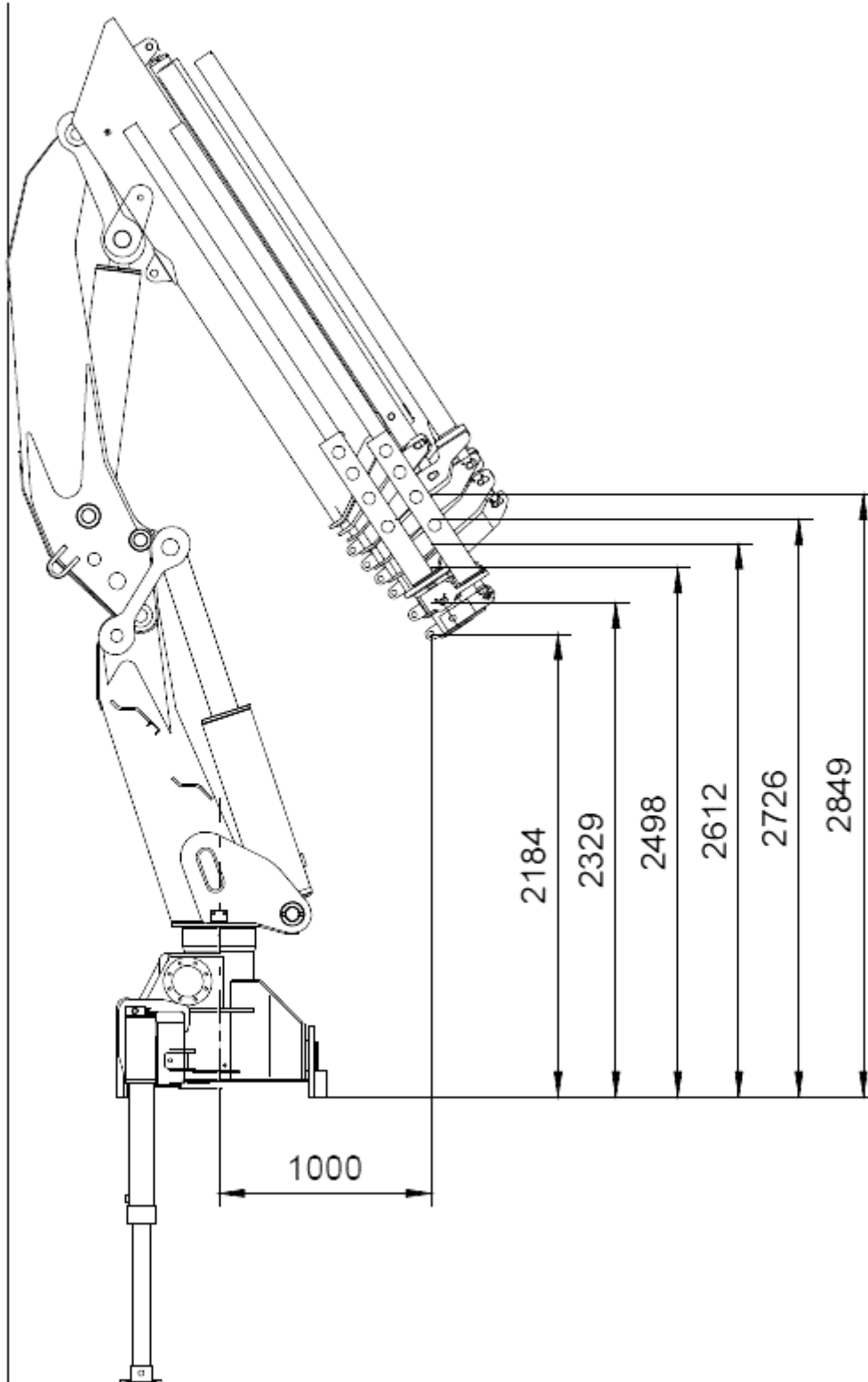
\*\*\* CAPACIDADES MÁXIMAS DA JIB NA HORIZONTAL

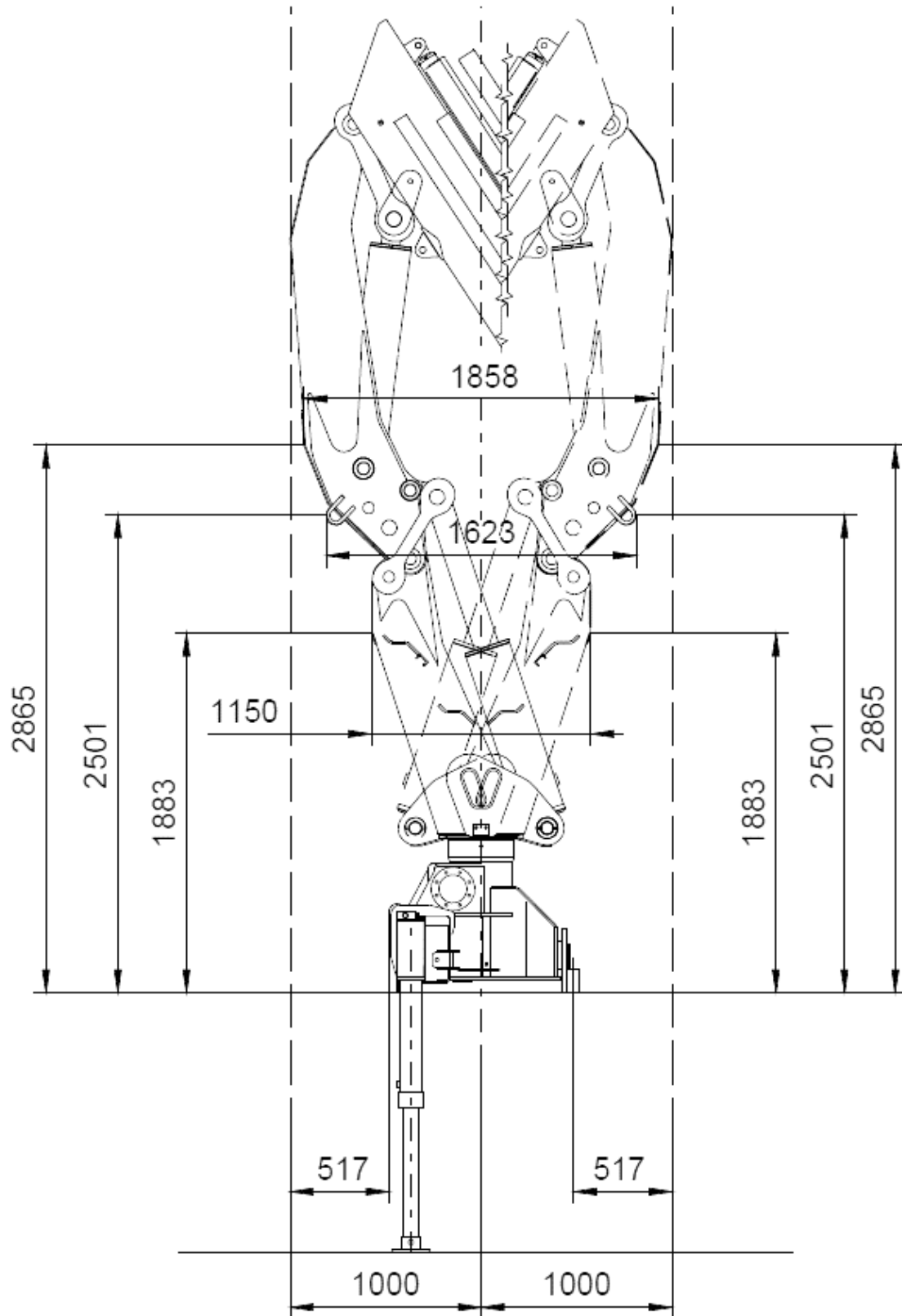
Lifting capacity = 15,91 tm



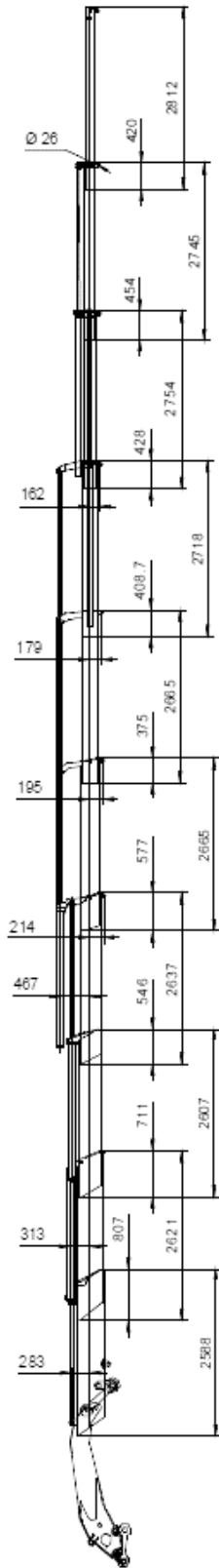
\*\*\* CAPACIDADES MÁXIMAS DA JIB NA HORIZONTAL

Lifting capacity = 11,84 tm

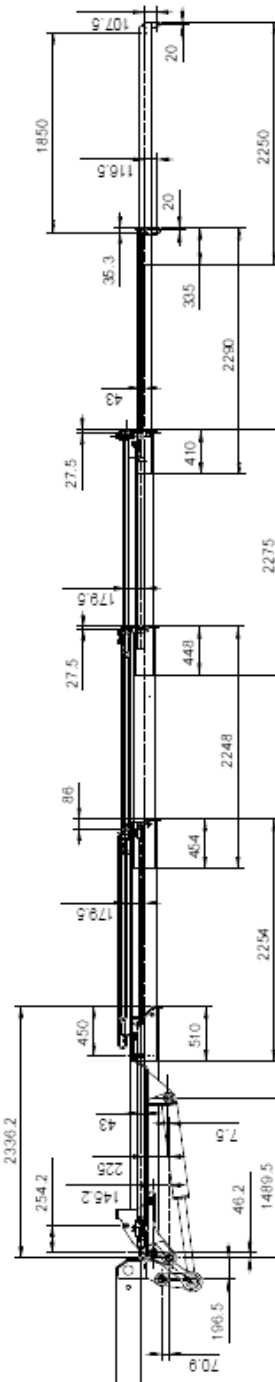








**E8**



**JIB E4**

### LIFTING CYLINDER

<i>Cylinder bore</i>	210
<i>Cyl. ext. diameter</i>	240
<i>Rod diameter</i>	130 – 100
<i>Centers (open)</i>	1808
<i>Centers (closed)</i>	1095
<i>Stroke</i>	715
<i>Artic. pin Ø</i>	85 – 65
<i>Pin material</i>	39NiCrMo3 QT

### ARTICULATION CYLINDER

<i>Cylinder bore</i>	185
<i>Cyl. ext. diameter</i>	210
<i>Rod diameter</i>	100 - 60
<i>Centers (open)</i>	2167
<i>Centers (closed)</i>	1267
<i>Stroke</i>	900
<i>Artic. pin Ø</i>	85 - 65
<i>Pin material</i>	39NiCrMo3 QT

### 1<sup>ST</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	85
<i>Cyl. ext. diameter</i>	100
<i>Rod diameter</i>	60 – 45
<i>Centers (open)</i>	3956
<i>Centers (closed)</i>	2086
<i>Stroke</i>	1770
<i>Artic. pin Ø</i>	30
<i>Pin material</i>	39NiCrMo3 QT

### 2<sup>ND</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	85
<i>Cyl. ext. diameter</i>	100
<i>Rod diameter</i>	60 – 45
<i>Centers (open)</i>	2005
<i>Centers (closed)</i>	155
<i>Stroke</i>	1850
<i>Artic. pin Ø</i>	30
<i>Pin material</i>	39NiCrMo3 QT

### 3<sup>RD</sup> - 4<sup>RD</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	80
<i>Cyl. ext. diameter</i>	95
<i>Rod diameter</i>	50 – 35
<i>Centers (open)</i>	2153
<i>Centers (closed)</i>	153
<i>Stroke</i>	2000
<i>Artic. pin Ø</i>	30
<i>Pin material</i>	39NiCrMo3 QT

### 5<sup>TH</sup> - 6<sup>TH</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	65
<i>Cyl. ext. diameter</i>	75
<i>Rod diameter</i>	40 – 25
<i>Centers (open)</i>	2240
<i>Centers (closed)</i>	140
<i>Stroke</i>	2100
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

### 7<sup>TH</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	65
<i>Cyl. ext. diameter</i>	75
<i>Rod diameter</i>	40 – 25
<i>Centers (open)</i>	2340
<i>Centers (closed)</i>	140
<i>Stroke</i>	2200
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

### 8<sup>TH</sup> EXTENSION CYLINDER

<i>Cylinder bore</i>	65
<i>Cyl. ext. diameter</i>	75
<i>Rod diameter</i>	40-25
<i>Centers (open)</i>	2315
<i>Centers (closed)</i>	115
<i>Stroke</i>	2200
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

### ROTATION CYLINDER

<i>Cylinder bore</i>	140
<i>Cyl. ext. diameter</i>	160
<i>Rod diameter</i>	-
<i>Centers (open)</i>	-
<i>Centers (closed)</i>	-
<i>Stroke</i>	834
<i>Artic. pin Ø</i>	-
<i>Pin material</i>	-

### JIB ARTICULATION CYLINDER

<i>Cylinder bore</i>	125
<i>Cyl. ext. diameter</i>	145
<i>Rod diameter</i>	70 - 0
<i>Centers (open)</i>	1774
<i>Centers (closed)</i>	1045.5
<i>Stroke</i>	728.5
<i>Artic. pin Ø</i>	65 - 45
<i>Pin material</i>	C40 - 39NiCrMo3 QT

### 1<sup>ST</sup> EXTENSION CYLINDER OF JIB

<i>Cylinder bore</i>	65
<i>Cyl. ext. diameter</i>	75
<i>Rod diameter</i>	40 - 25
<i>Centers (open)</i>	2180
<i>Centers (closed)</i>	408
<i>Stroke</i>	1700
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

### 2<sup>ND</sup> - 3<sup>RD</sup> EXTENSION CYLINDER OF JIB

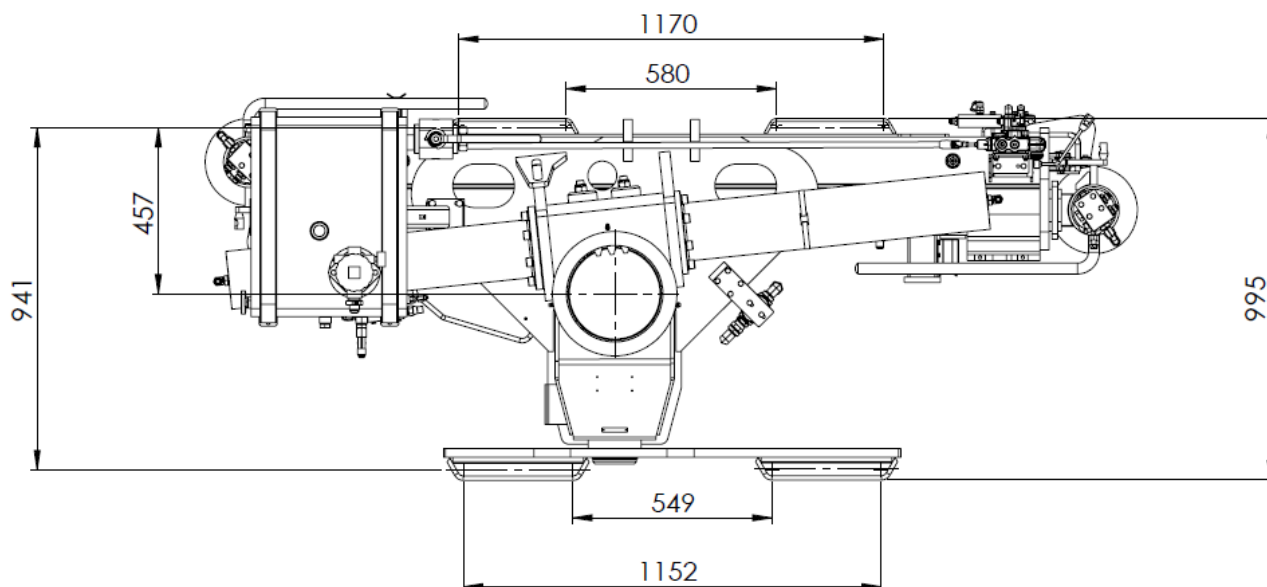
<i>Cylinder bore</i>	60
<i>Cyl. ext. diameter</i>	70
<i>Rod diameter</i>	35 - 25
<i>Centers (open)</i>	1854
<i>Centers (closed)</i>	104
<i>Stroke</i>	1750
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

### 4<sup>TH</sup> EXTENSION CYLINDER OF JIB

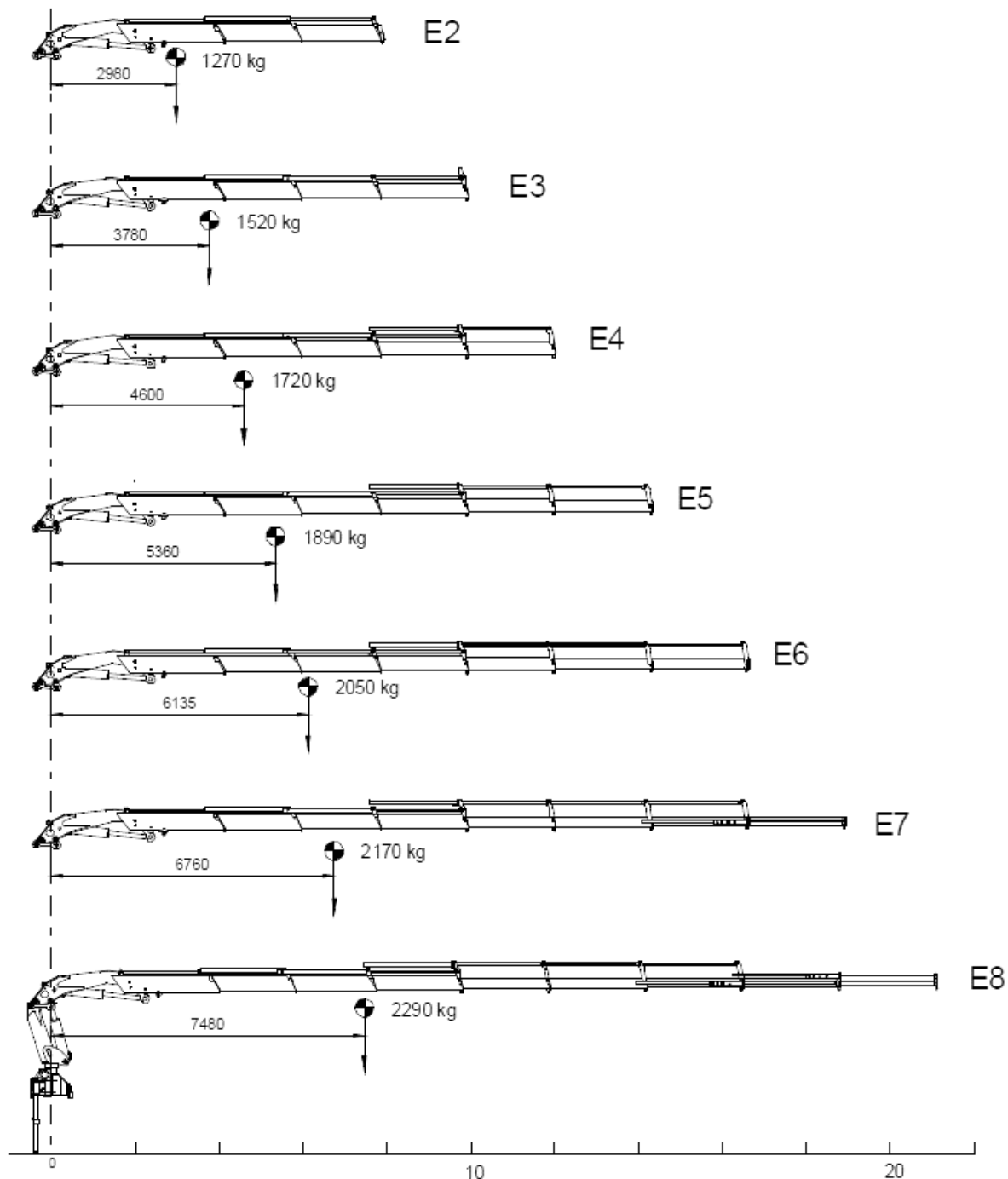
<i>Cylinder bore</i>	60
<i>Cyl. ext. diameter</i>	70
<i>Rod diameter</i>	35 - 0
<i>Centers (open)</i>	1900
<i>Centers (closed)</i>	100
<i>Stroke</i>	1800
<i>Artic. pin Ø</i>	25
<i>Pin material</i>	39NiCrMo3 QT

# HC331 TECHNICAL SHEET

## BASE DIMENSIONS, TIE MOUNTING RODS & ROTATION SCREWS



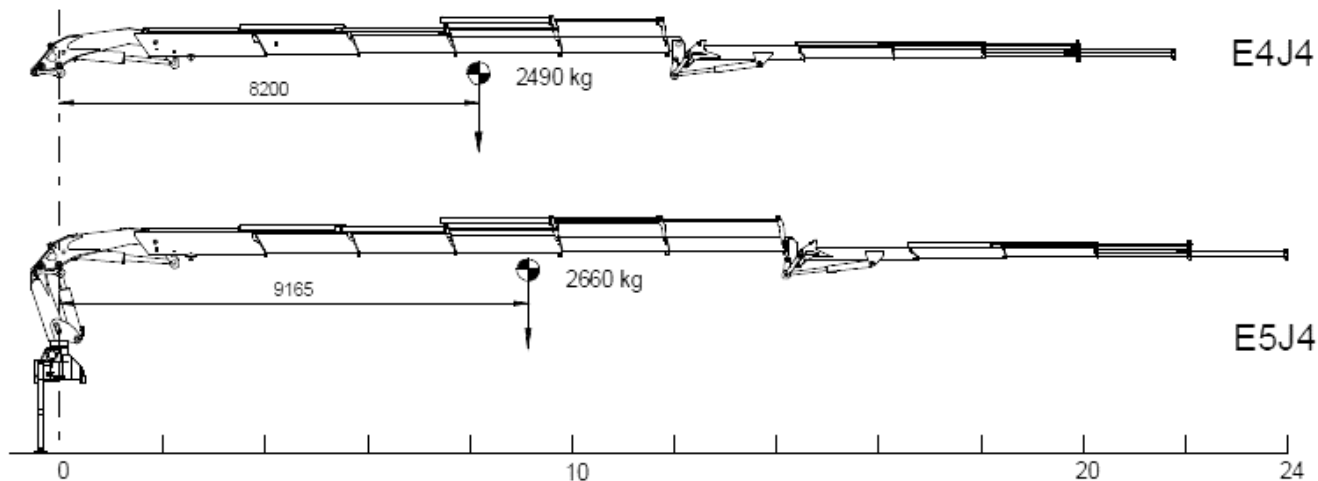
<b>Tie mounting rods</b>	N°8 M30x2 42CrMo4 QT <b>Tightening torque 700 Nm</b>
<b>Fixing bolts for 1 rotation cylinder</b>	N°4 M16x45 8.8 UNI 5931 <b>Tightening torque 189 Nm</b>



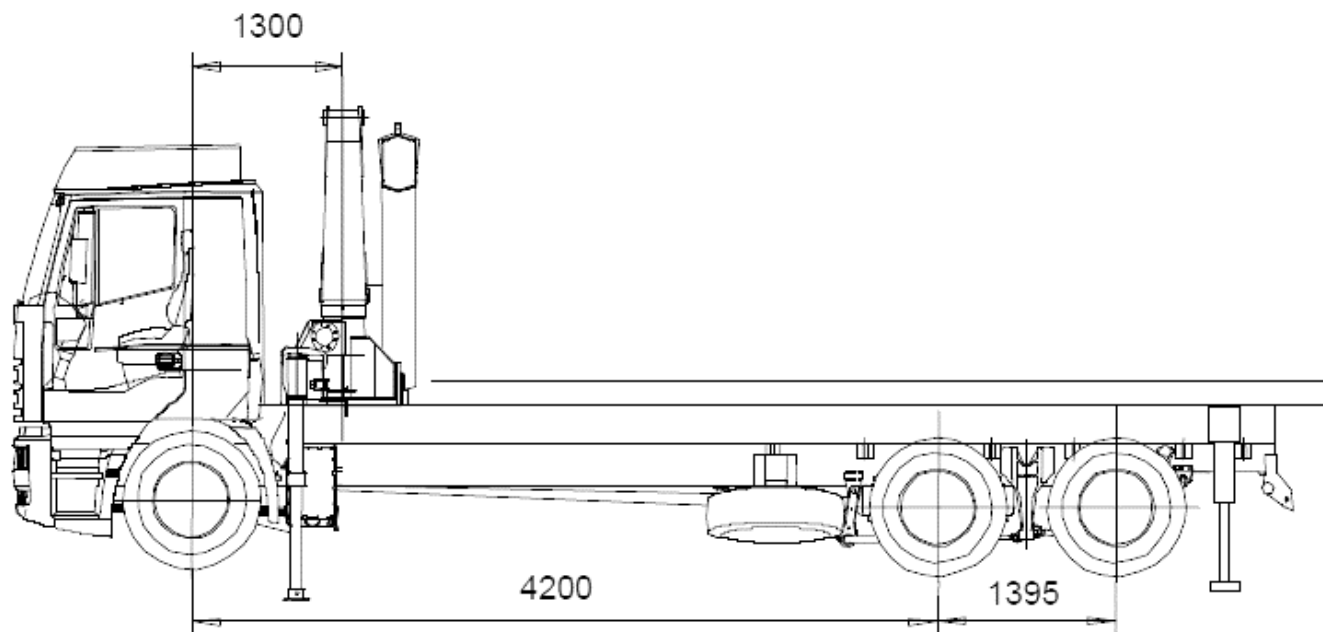
Fixed parts weight [kg]

HC331 – HC361

2550



	<b>HC331 – HC361</b>
<b>Fixed parts weight [kg]</b>	2620



**GVW = 24 ton**

### CHASSIS DATA

#### *Front axle*

Front axle tare weight = 4615 kg  
Allowable front axle weight = 9000 kg

#### *Rear axle*

Rear axle tare weight = 3340 kg

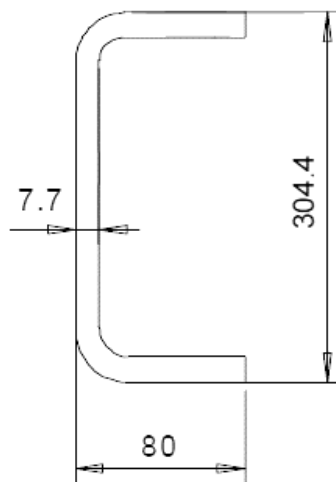
### OUTFIT WEIGHTS

Body weight = 1000 kg  
Crane weight = 4600 kg (HC361 E6)  
Stabilizers weight = 550 kg  
Counterframe weight = 870 kg

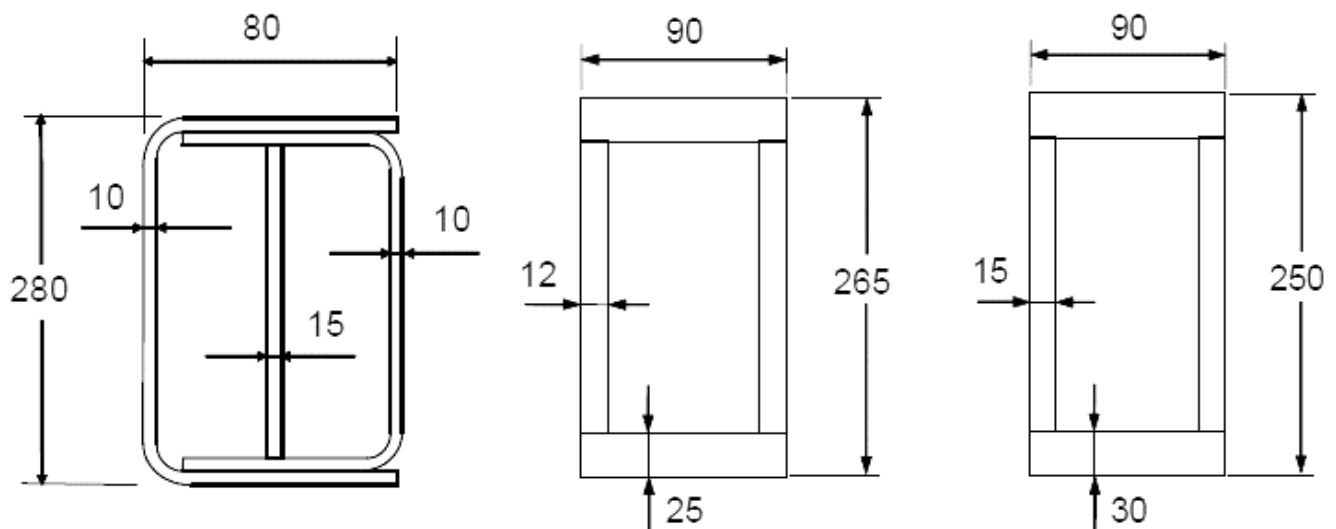
**Stability index = 1.61**

Max dynamic moment [daNm]	38600
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**Min frame section** (truck GVW = 24 ton; steel S355)



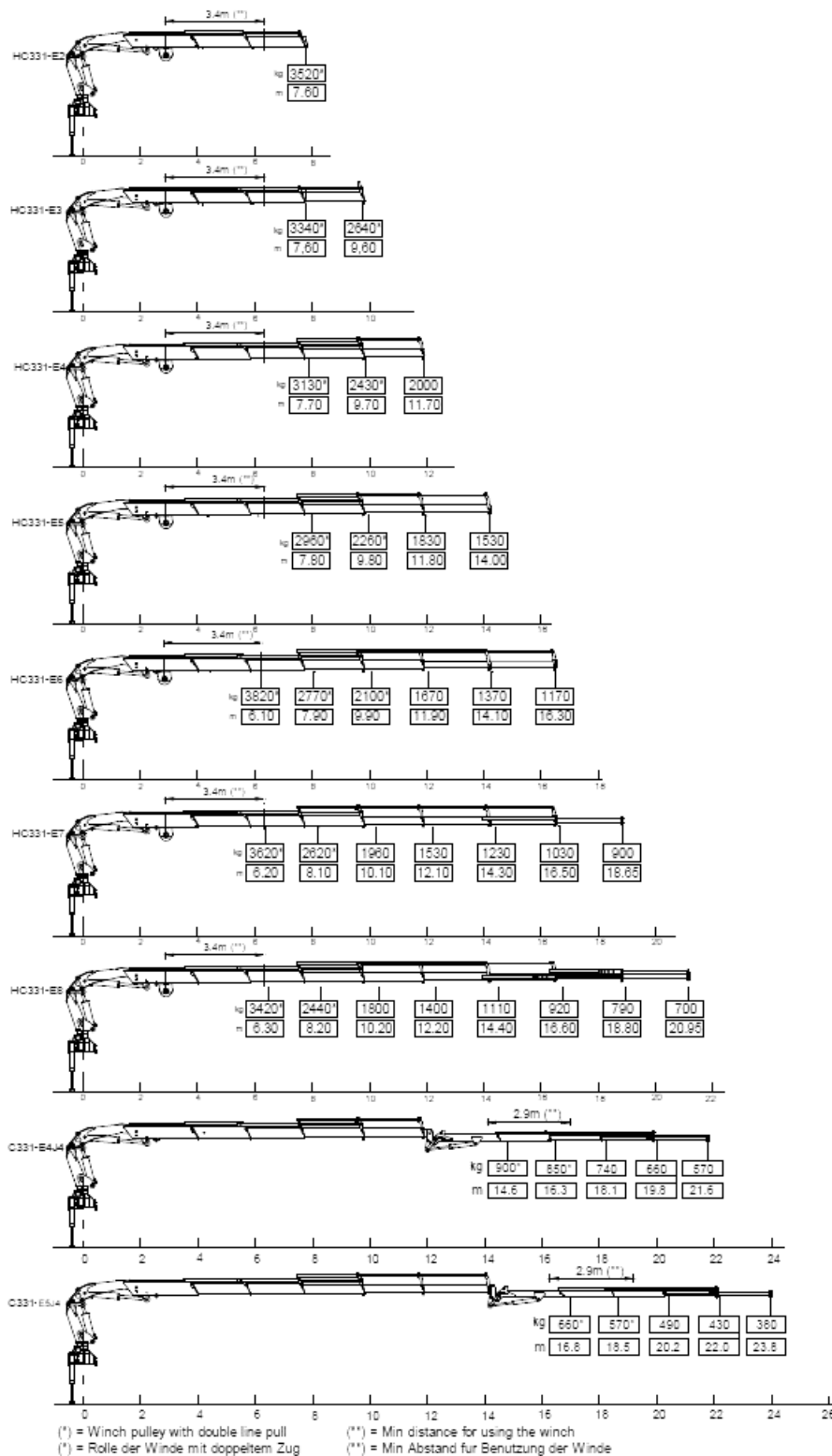
**Min counterframe section** (steel S355)





Max winch direct pull [kg]

2000



Max allowable weight [kg]	420
Max capacity [dm <sup>3</sup> ]	300
Max working pressure [bar]	250

**THE CAPACITIES OF THE ACTIVATED CRANES (FOR GRAB OR BUCKET) ARE DERATED BY 30% RESPECT TO THE STANDARD CRANES**

