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Grue - Grua - Gru



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RACCOLTA TECNICA TECHNICAL BOOK





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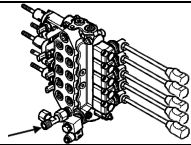
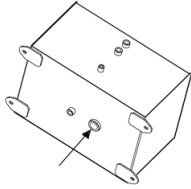
CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	9100
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Portata max (kg) Max load	Versione	Q _{max}
	1S	2230
	2S	2120
	3S	2020

Massa in ordine di lavoro (kg) Crane weight	Versione	108
	1S	845
	2S	905
	3S	965

Reazione massima sullo stabilizzatore Max force on the stabilizer leg	6490 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	37 daN/cm ²
Pressione massima di esercizio Max working pressure	250 bar
Portata massima di olio Max oil flow	16 l/min
Capacità serbatoio olio Oil tank capacity	48 l
Coppia di rotazione Slewing moment	980 daNm
Angolo di rotazione Slewing angle	380°
Potenza assorbita Absorbed power	8.9 kW 11.9 HP
Normativa di calcolo Design standard	DIN 15018 EN 12999

Raccordi di collegamento con pompa Fittings for connection with pump	NO RDC	
Linea di pressione distributore Control valve pressure line		DIN M18x1.5
Linea di aspirazione serbatoio Tank suction line		F1" BPS



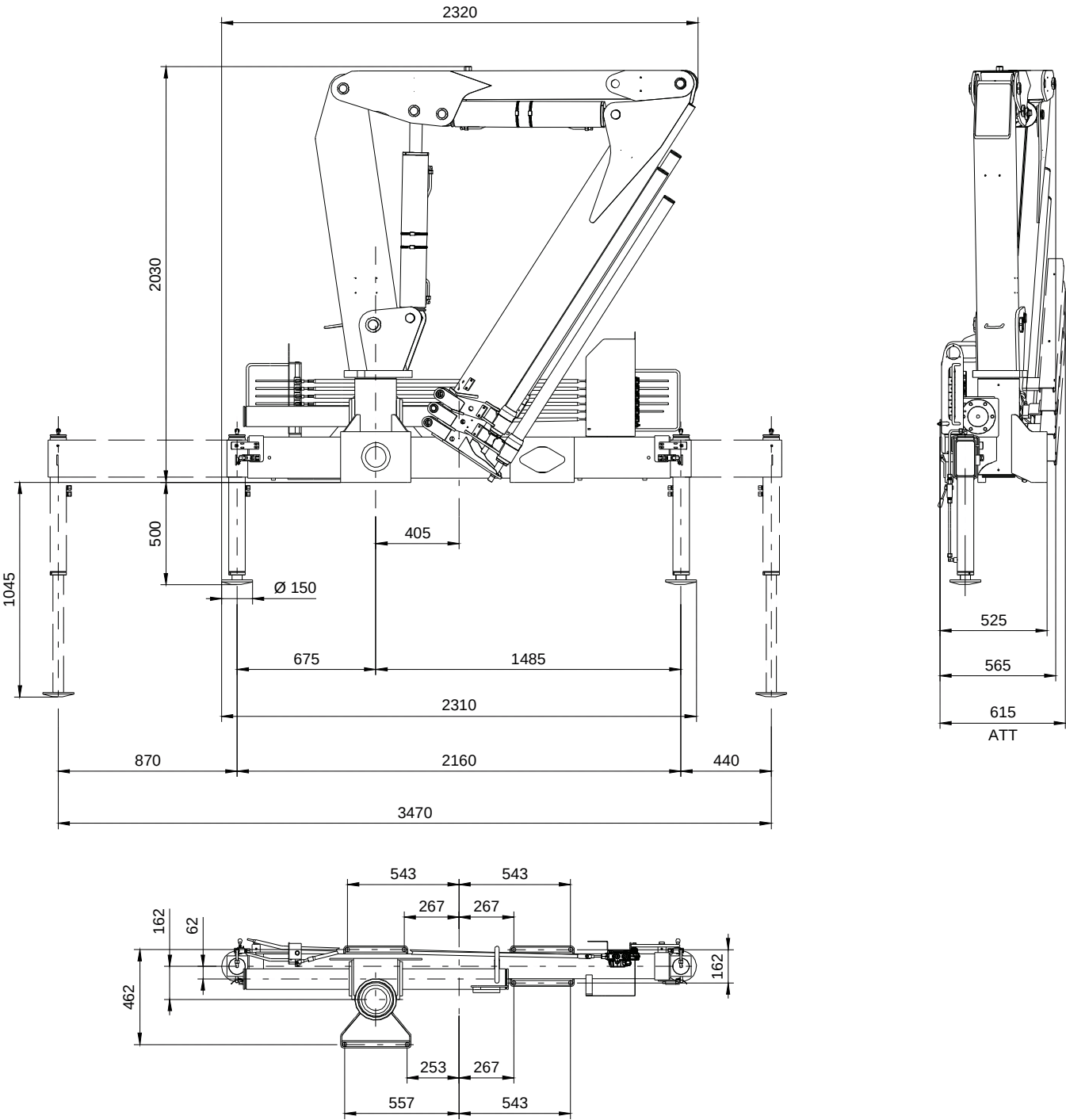
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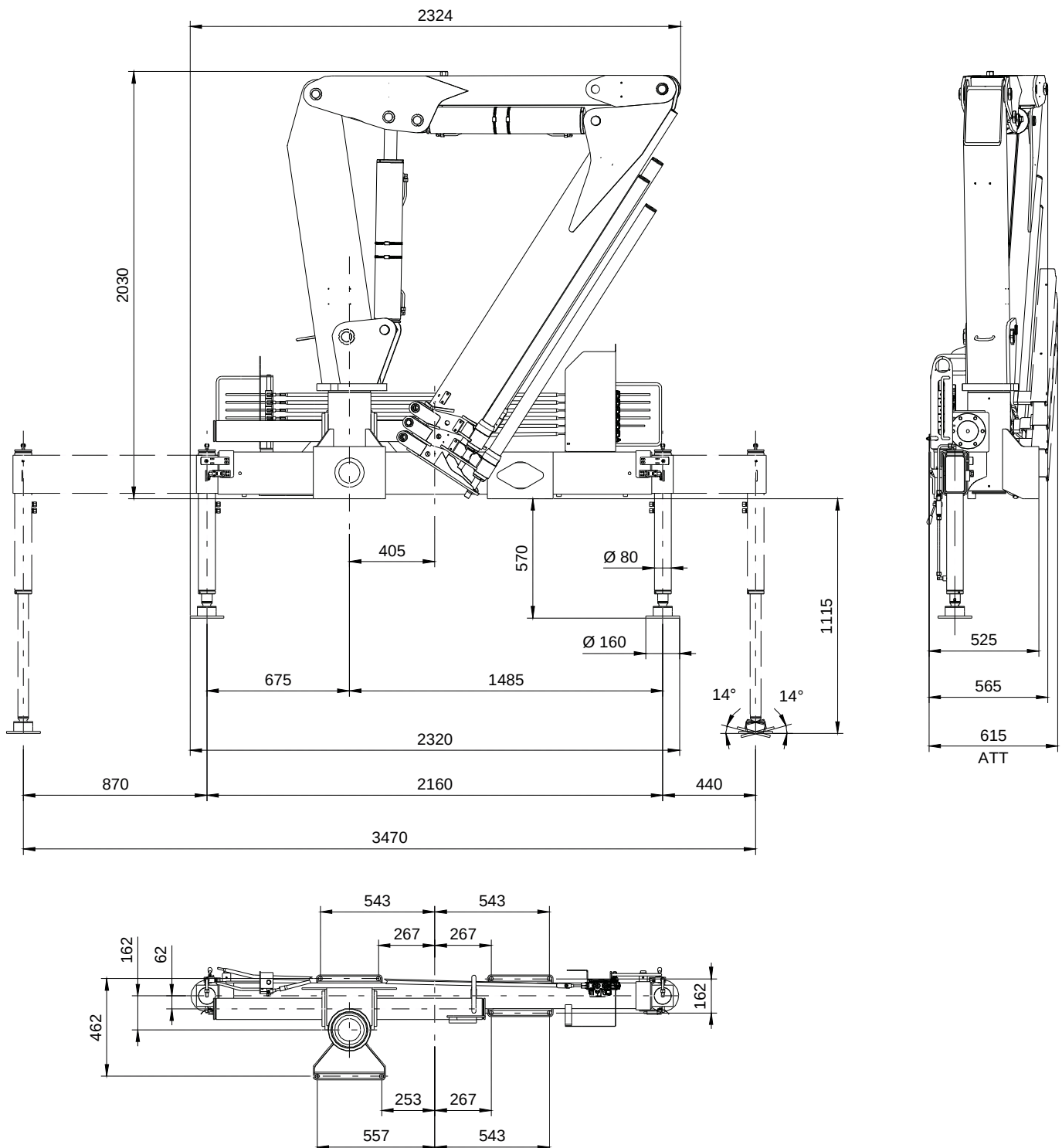
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DIMENSIONI DI INGOMBRO (STABILIZZATORI NO CE)
DIMENSIONS (NO CE LEGS)
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DIMENSIONI DI INGOMBRO CON CILINDRI STABILIZZATORI CE
DIMENSIONS WITH CE CYLINDERS
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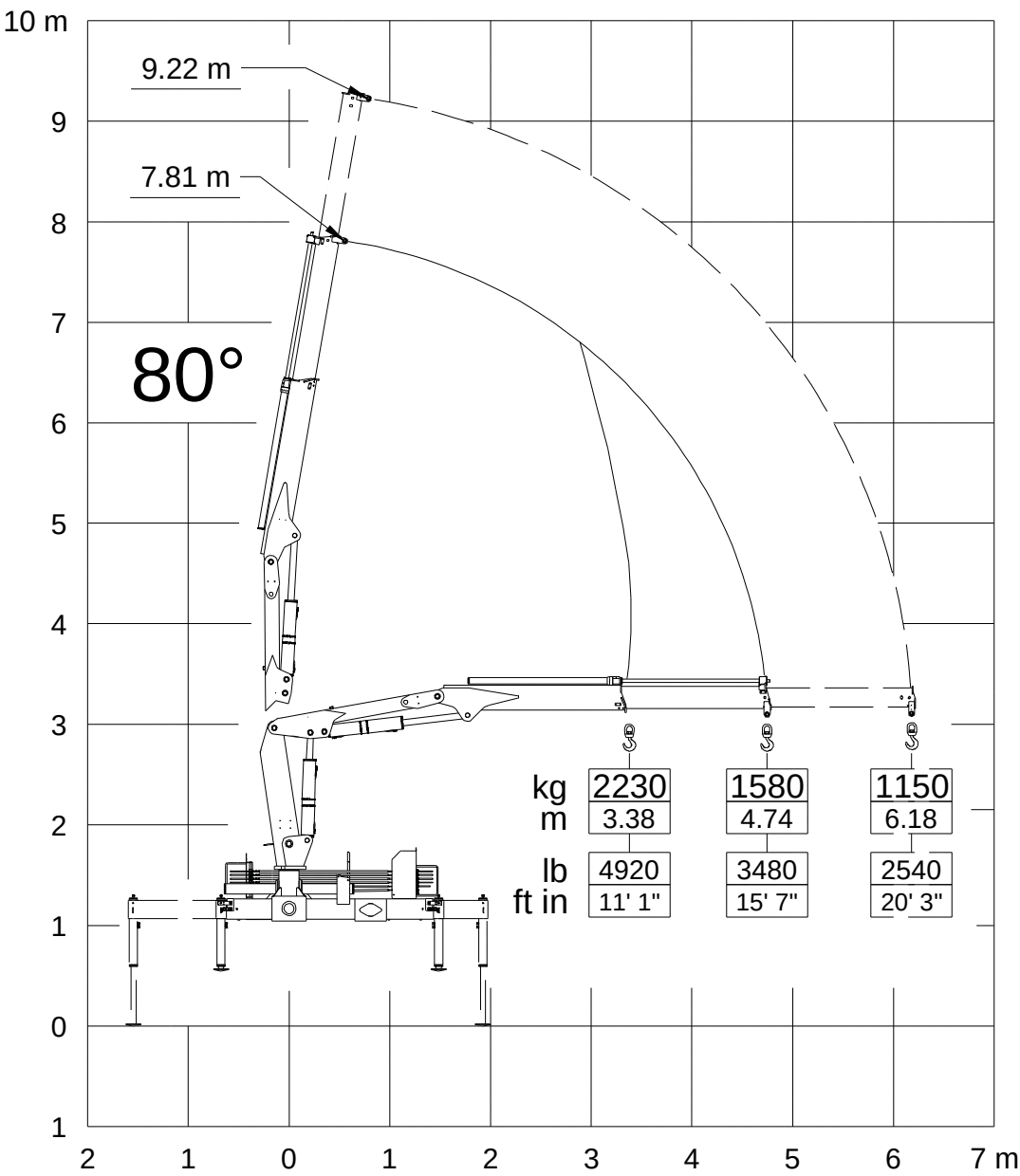
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DIAGRAMMA PORTATE
LOAD DIAGRAM
108 1S





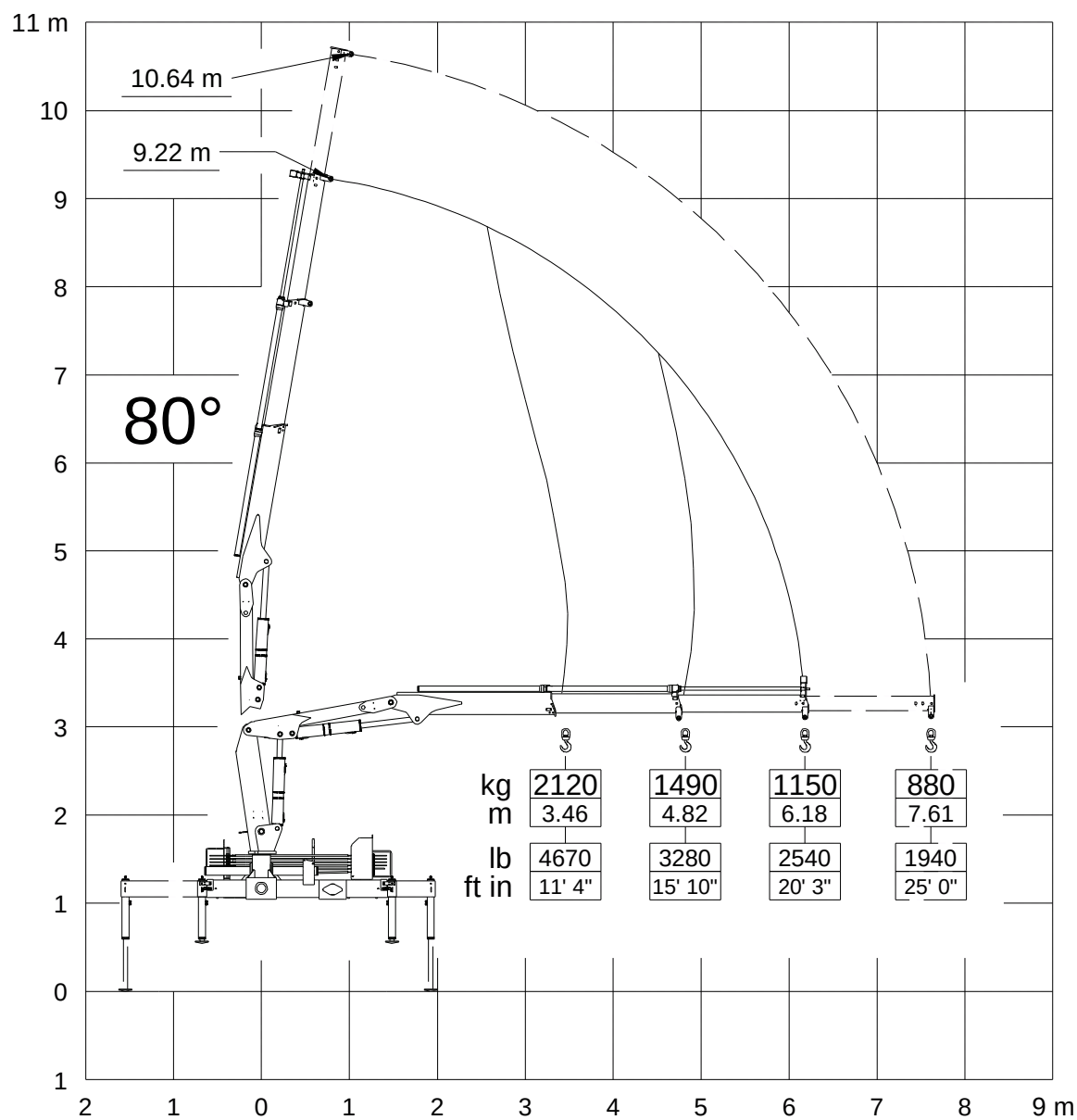
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DIAGRAMMA PORTATE
LOAD DIAGRAM
108 2S





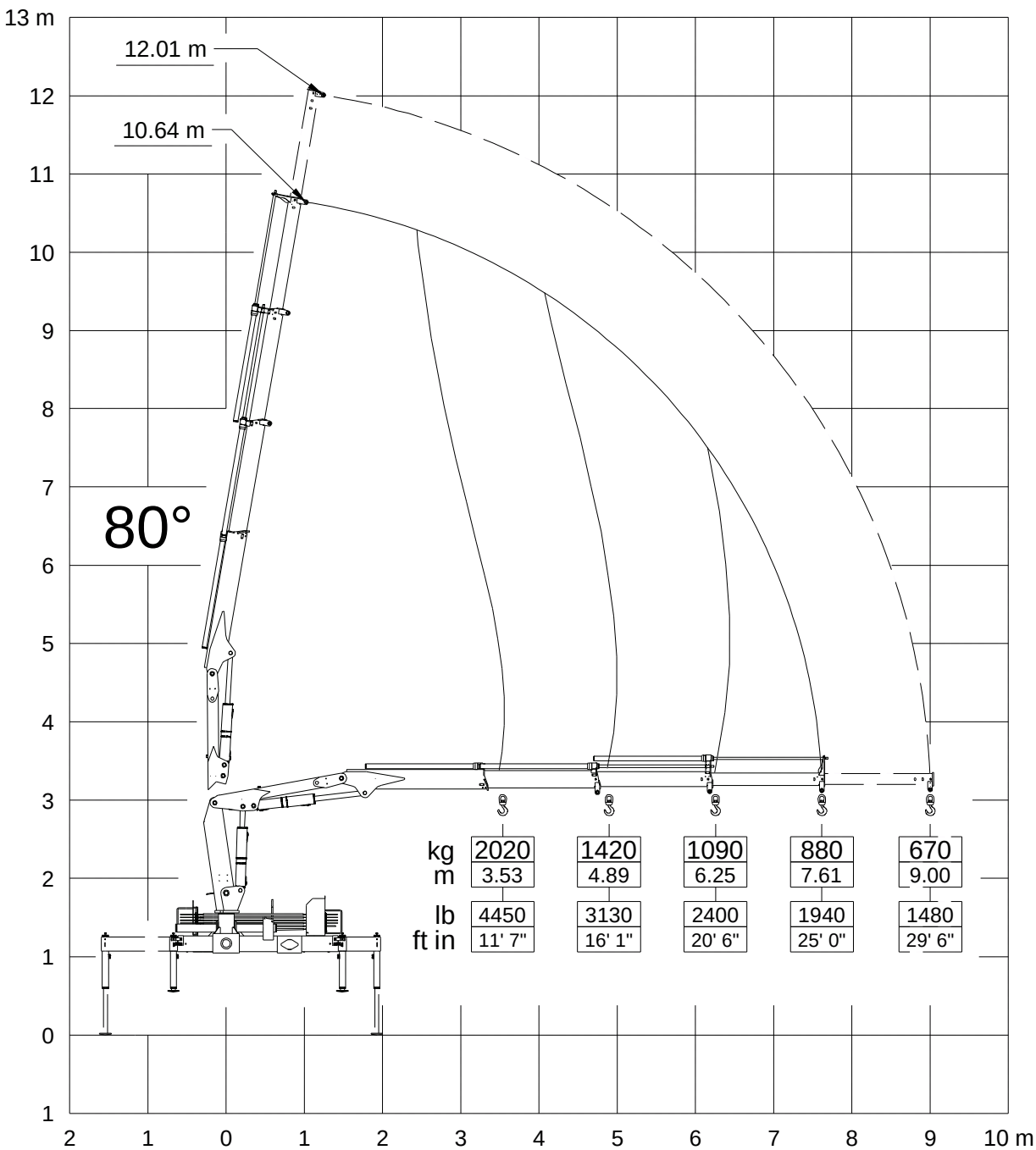
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DIAGRAMMA PORTATE
LOAD DIAGRAM
108 3S





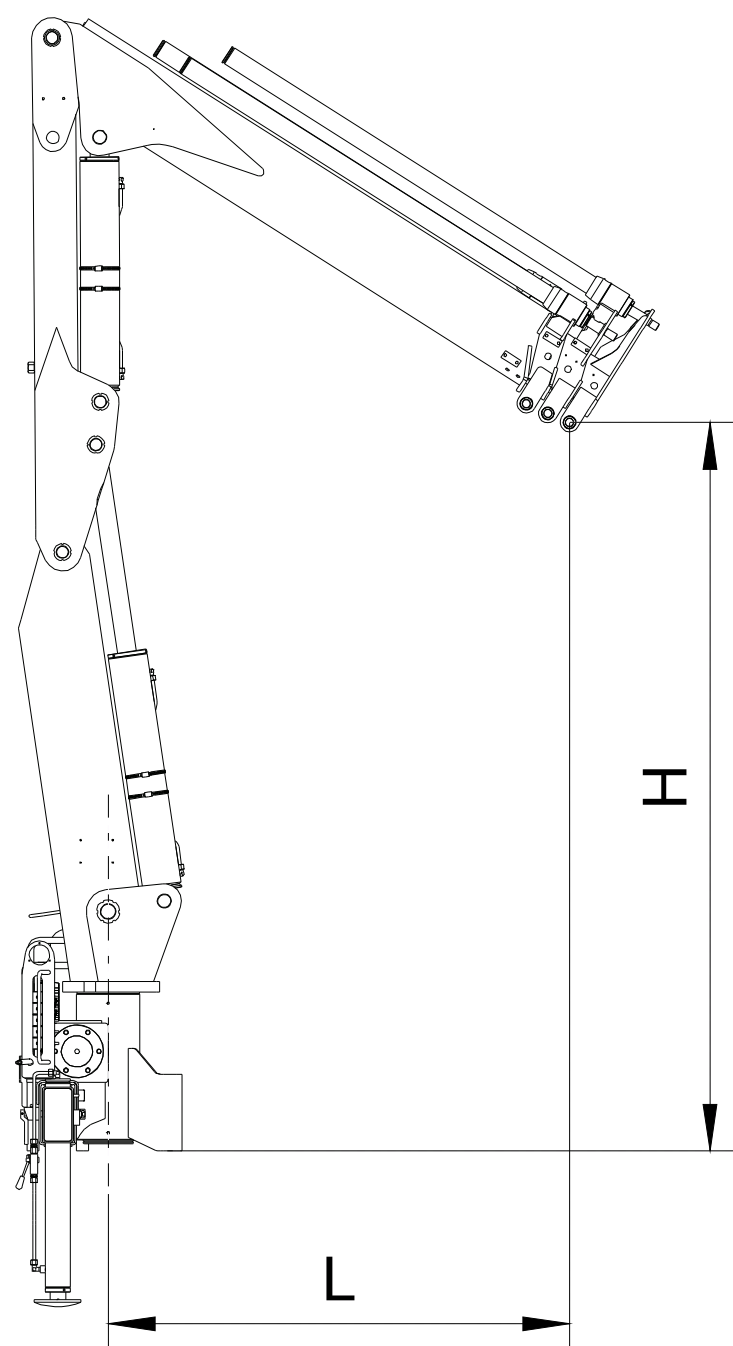
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ALTEZZA ATTACCO GANCIO
HOOK HEIGHT



	L [mm]	H [mm]
1S	1345	2400
2S	1410	2370
3S	1480	2340



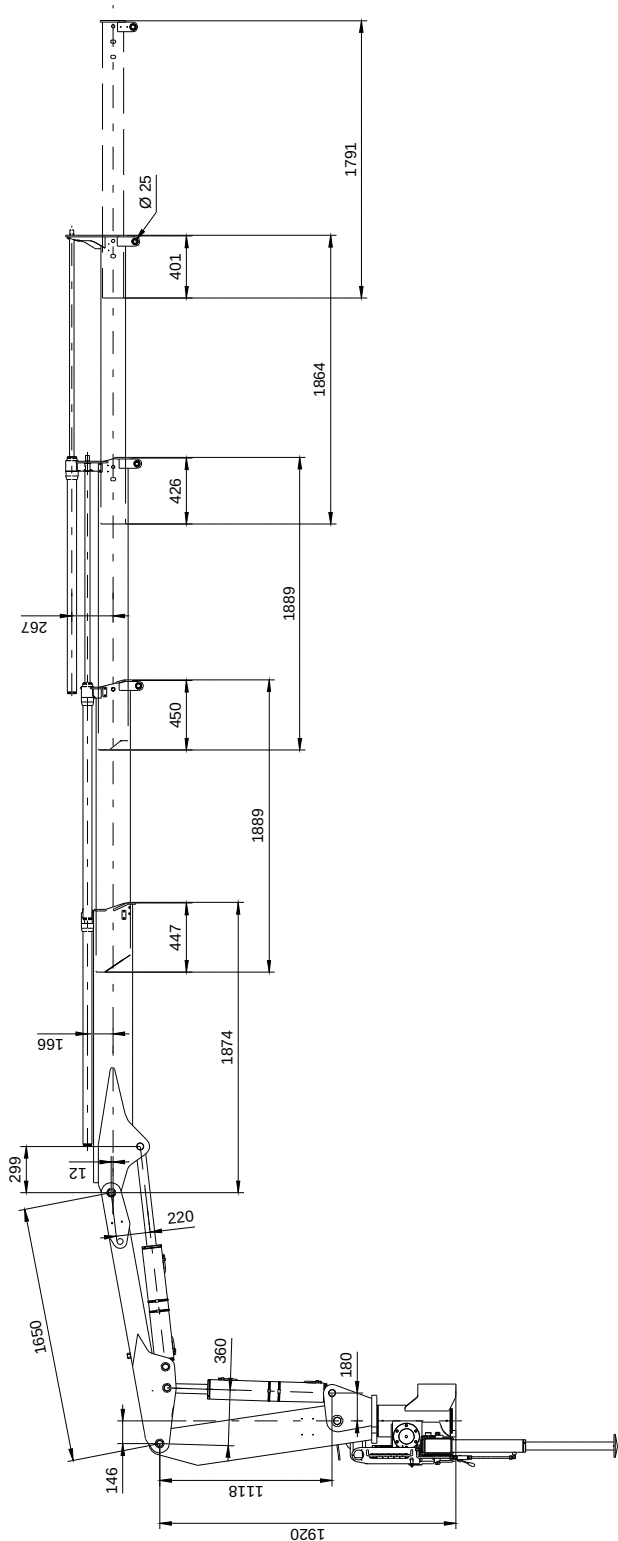
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DIMENSIONALE COLONNA E BRACCI
COLUMN - BOOM - DIMENSIONS



**108****Crane - Kran
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CYLINDERS DIMENSIONS****CILINDRO DI SOLLEVAMENTO
LIFTING CYLINDER**

Alesaggio - Cylinder bore	110
Diametro esterno - Cyl. ext. diameter	125
Diametro stelo - Rod diameter	60 - 0
Interasse aperto - Pitch (open)	1480
Interasse chiuso - Pitch (closed)	874
Corsa - Stroke	606
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	45
Materiale perno/i - Pin steel	42CrMo4 BNF

**CILINDRO DI ARTICOLAZIONE
ARTICULATION CYLINDER**

Alesaggio - Cylinder bore	110
Diametro esterno - Cyl. ext. diameter	125
Diametro stelo - Rod diameter	60 - 0
Interasse aperto - Pitch (open)	1432
Interasse chiuso - Pitch (closed)	848
Corsa - Stroke	584
Raccordi - Fittings	1/4" G
Ø perno fissaggio - Fixing pin Ø	45
Mat. perno/i - Pin steel	42CrMo4 BNF

**CILINDRO 1°SFILO
1ST EXTENSION CYL.****1S**

Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	1510
Interasse chiuso - Pitch (closed)	150
Corsa - Stroke	1360
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	-
Materiale perno/i - Pin steel	-

**CILINDRO 1°SFILO
1ST EXTENSION CYL.****2S-3S**

Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1510
Interasse chiuso - Pitch (closed)	150
Corsa - Stroke	1360
Raccordi - Fittings	1/4" G
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-

**CILINDRO 2°SFILO
2ND EXTENSION CYL.****2S**

Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	1510
Interasse chiuso - Pitch (closed)	150
Corsa - Stroke	1360
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	-
Materiale perno/i - Pin steel	-

**CILINDRO 2°SFILO
2ND EXTENSION CYL.****3S**

Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1510
Interasse chiuso - Pitch (closed)	150
Corsa - Stroke	1360
Raccordi - Fittings	1/4" G
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-

**CILINDRO 3°SFILO
3RD EXTENSION CYL.**

Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	1510
Interasse chiuso - Pitch (closed)	150
Corsa - Stroke	1360
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	-
Materiale perno/i - Pin steel	-

**CILINDRO DI ROTAZIONE
ROTATION CYLINDER**

Alesaggio - Cylinder bore	90
Diametro esterno - Cyl. ext. diameter	100
Diametro stelo - Rod diameter	-
Interasse aperto - Pitch (open)	-
Interasse chiuso - Pitch (closed)	-
Corsa - Stroke	511
Raccordi - Fittings	-
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-



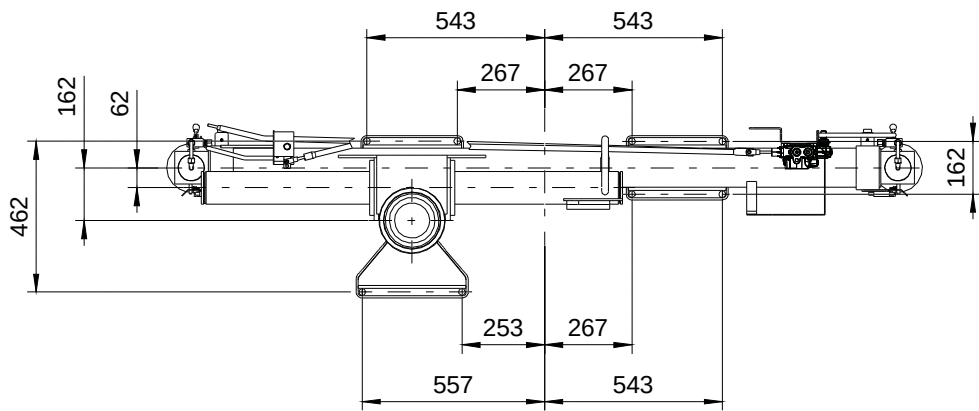
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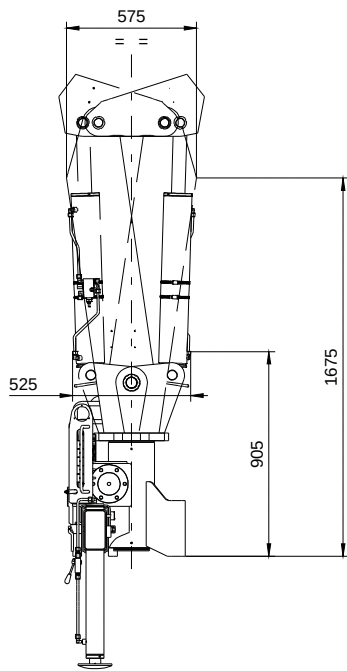
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DIMENSIONI BASAMENTO
BASE DIMENSIONS



Tiranti di staffaggio Tie mounting rods	N°6 M20x1.5 42CrMo4 BNF
Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°6 M14x35 10.9 UNI 5931

INGOMBRO IN ROTAZIONE
ROTATION RADIUS





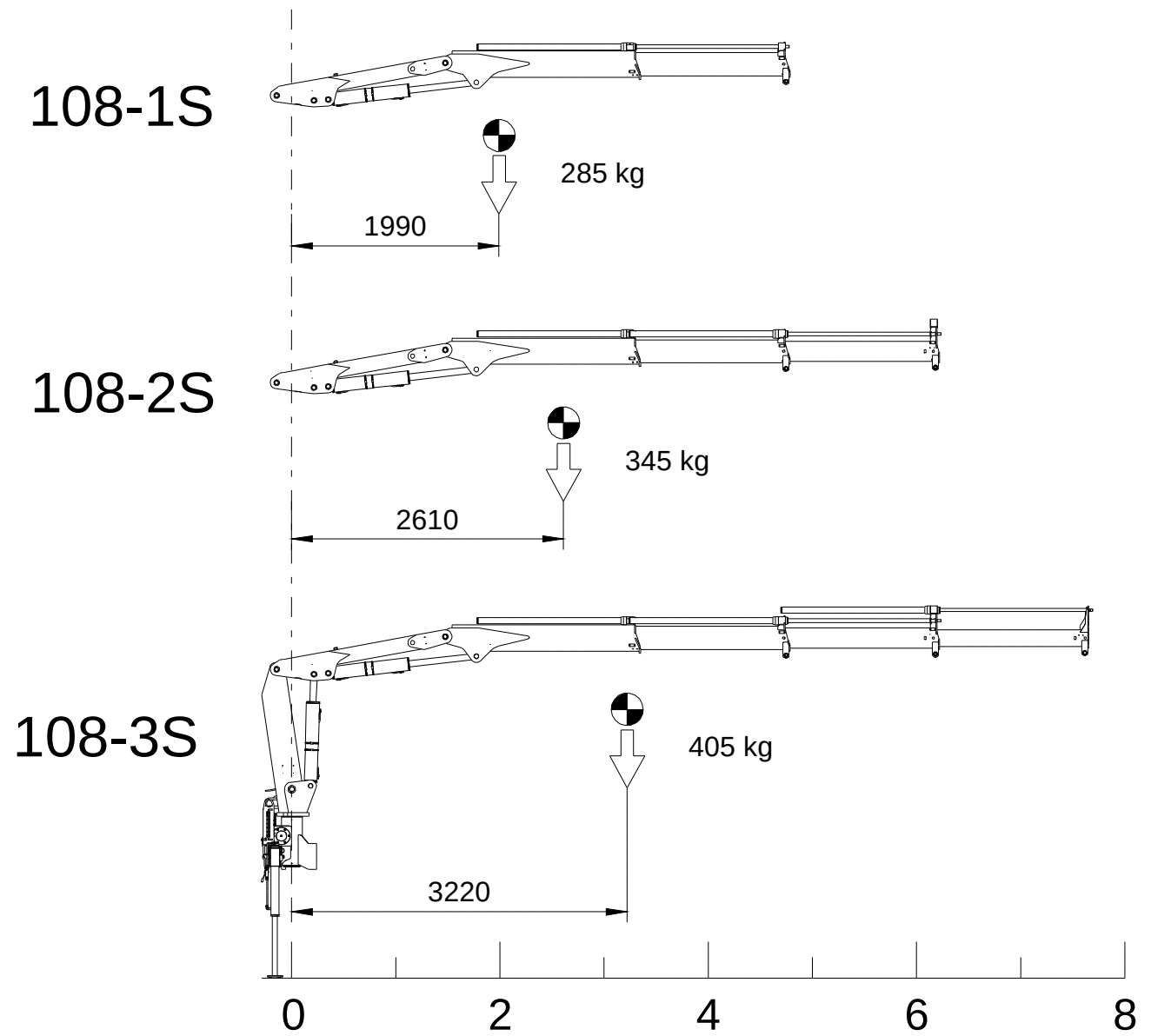
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PESI – BARICENTRI
WEIGHTS – CENTER OF GRAVITY



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Massa parti fisse (kg) Fixed parts weights	560

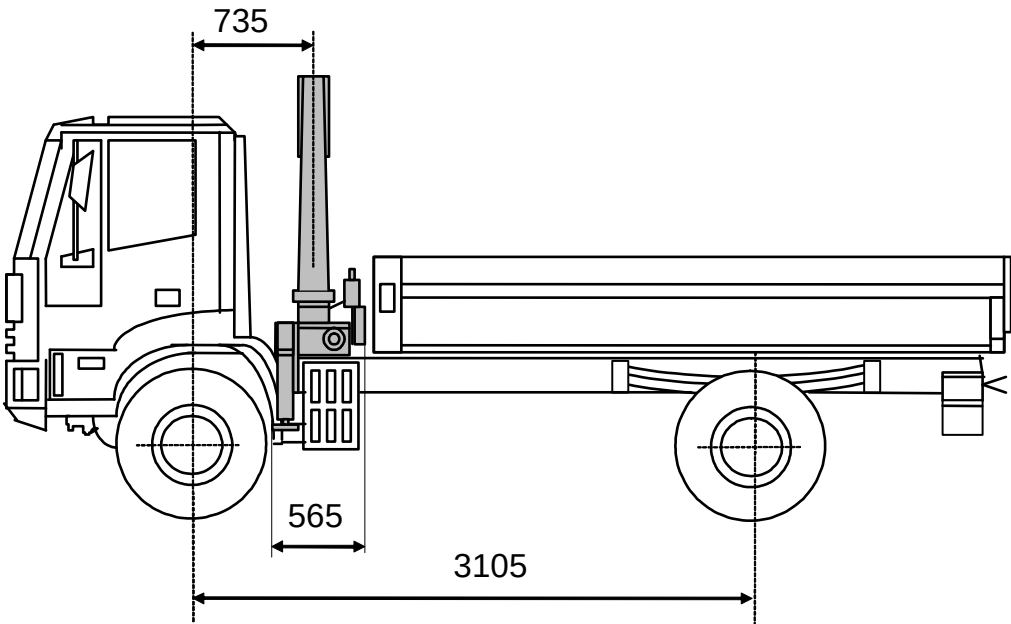


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AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS



PTT (GVW) = 140 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2850 kg

Tara ammissibile asse anteriore = 5100 kg

Asse posteriore

Tara asse posteriore = 1400 kg

PESI ALLESTIMENTO

Peso cassone = 500 kg

Peso gru = 965 kg (108-3S)

Peso controtelaio = 25 kg

Coefficiente di stabilità = 1,31

CHASSIS DATA

Front axle

Front axle tare weight = 2850 kg

Allowable front axle weight = 5100 kg

Rear axle

Rear axle tare weight = 1400 kg

OUTFIT WEIGHTS

Body weight = 500 kg

Crane weight = 965 kg (108-3S)

Counterframe weight = 25 kg

Stability index = 1,31

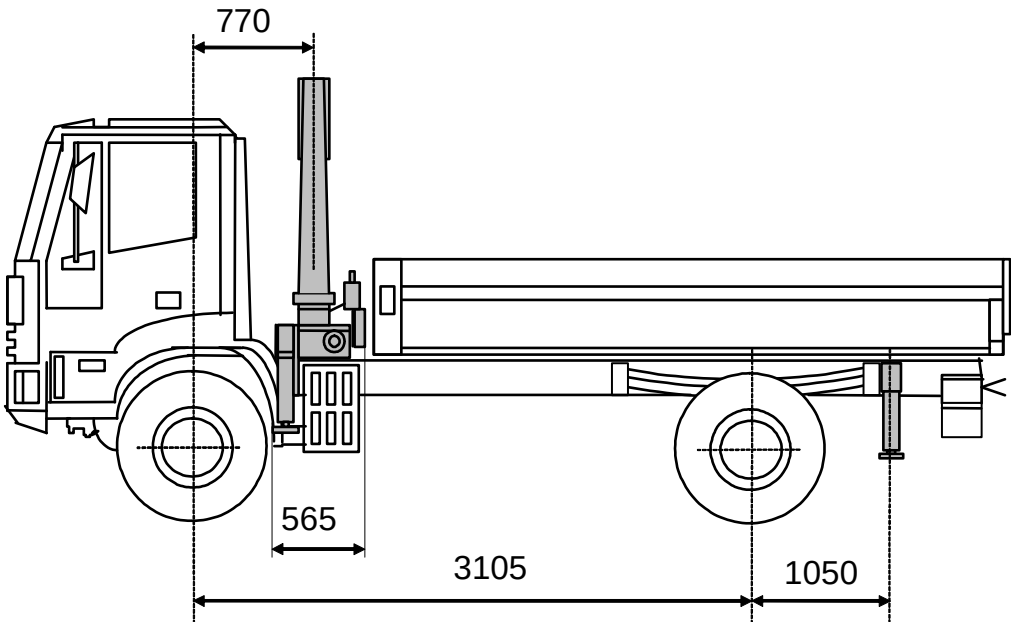


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AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 80 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2395 kg

Carico ammissibile asse anteriore = 3400 kg

Asse posteriore

Tara asse posteriore = 920 kg

PESI ALLESTIMENTO

Massa cassone = 500 kg

Peso gru = 965 kg (108-3S)

Massa controtelaio = 130 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 120 kg

Coefficiente di stabilità = 1,32

CHASSIS DATA

Front axle

Front axle tare weight = 2395 kg

Allowable front axle weight = 3400 kg

Rear axle

Rear axle tare weight = 920 kg

OUTFIT WEIGHTS

Body weight = 500 kg

Crane weight = 965 kg (108-3S)

Counterframe weight = 130 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 120 kg

Stability index = 1,32



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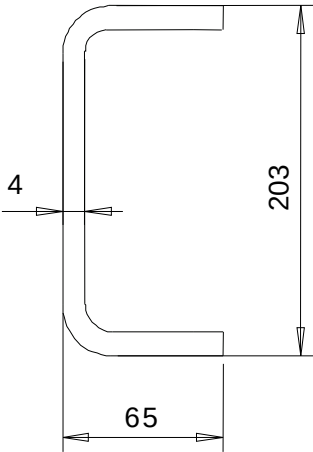
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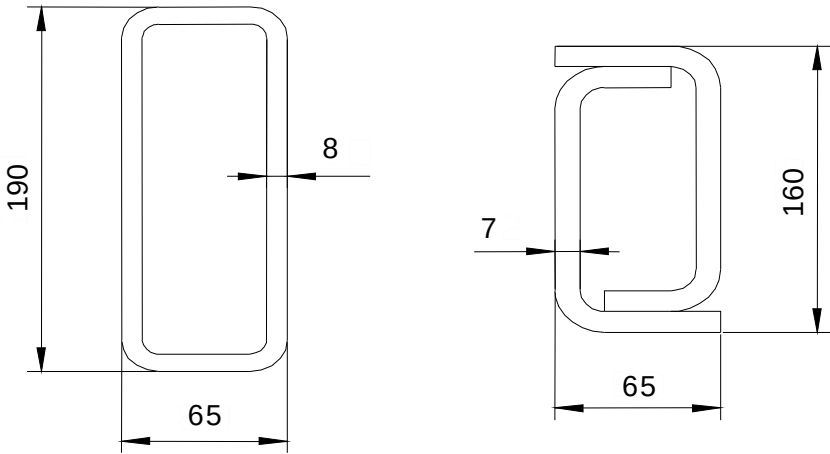
CONTROTELAIO MINIMO
MIN COUNTERFRAME

Momento dinamico max (daNm) Max dynamic moment	9100
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Sezione telaio minima (autocarro PTT=80 q)
Min frame section (truck GVW 8 ton)



Sezione minima controtelaio (materiale Fe510 - S355)
Min counterframe section (steel S355)





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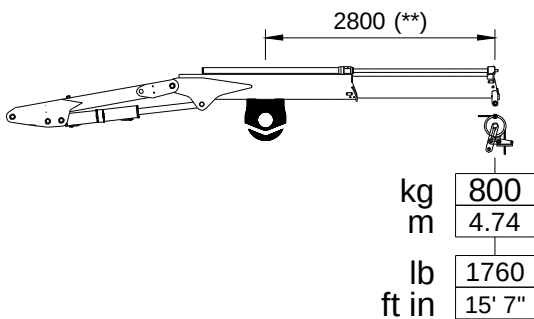
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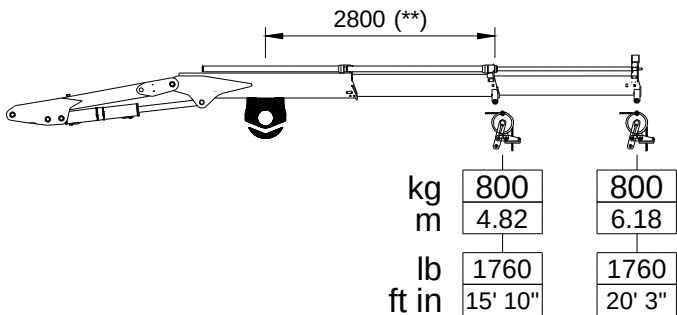
CARATTERISTICHE VERRICELLO IDRAULICO
HYDRAULIC WINCH DATA

Max tiro diretto (kg) Max winch direct pull (kg)	800 kg
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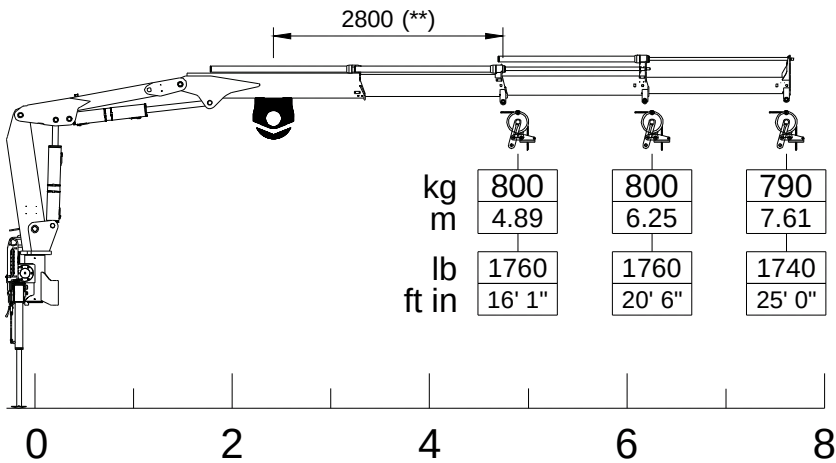
108-1S



108-2S



108-3S



(**) = Distanza minima di utilizzo argano
(**) = Min distance for using the winch



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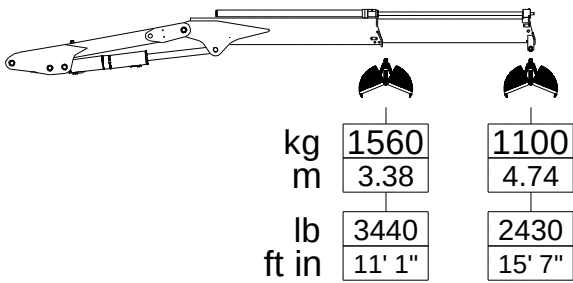
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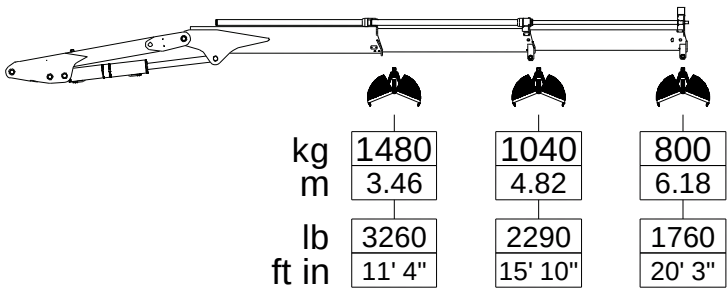
CARATTERISTICHE ACCESSORI BENNA-POLIPO
GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	200 kg
Pressione max. di esercizio Max working pressure	200 bar

108-1S



108-2S



108-3S

