

811NT

RACCOLTA TECNICA TECHNICAL BOOK



CARATTERISTICHE GENERALI

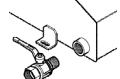
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	12700
--	-------

Portata max (kg) Max load	2S	4060
	3S	4000
	4S	3950

	Vers.	ST-M	ST-H	SE-M	SE-H
Massa in ordine di lavoro (kg) Crane weight	2S	1210	1250	1280	1330
	3S	1290	1330	1360	1410
	4S	1355	1395	1425	1475

Reazione massima sullo stabilizzatore Max force on the stabilizer leg	ST: 5380 daN SE: 4370 daN
Carico massimo trasmesso al suolo dagli stabilizzatori Max standard stabilizer pressure on the ground	ST: 26.7 daN/cm ² SE: 21.7 daN/cm ²
Pressione massima di esercizio Max working pressure	295 bar
Portata massima di olio Max oil flow	20 l/min
Capacità serbatoio olio Oil tank capacity	60 l
Coppia di rotazione Slewing moment	1150 daNm
Angolo di rotazione Slewing angle	395°
Potenza assorbita Absorbed power	12 kW
Normativa di calcolo Design standard	DIN 15018 EN 12999

Raccordi di collegamento con pompa Fittings for connection with pump		NO RDC	RDC
Linea di pressione distributore Control valve pressure line		M 7/8" - 14 Jic	M 7/8" - 14 Jic
Linea di aspirazione serbatoio Tank suction line		F1" BSP	F1" BSP

LEGEND

ST: aste stabilizzatrici con allargamento standard

ST: stabilizer with standard spread

SE: stabilizzatori con allargamento super-extra (solo NO CE)

SE: stabilizers with superextra spread (NO CE only)

M : aste stabilizzatrici con azionamento manuale

M : manually operated stabilizer extensions

H : aste stabilizzatrici con azionamento idraulico

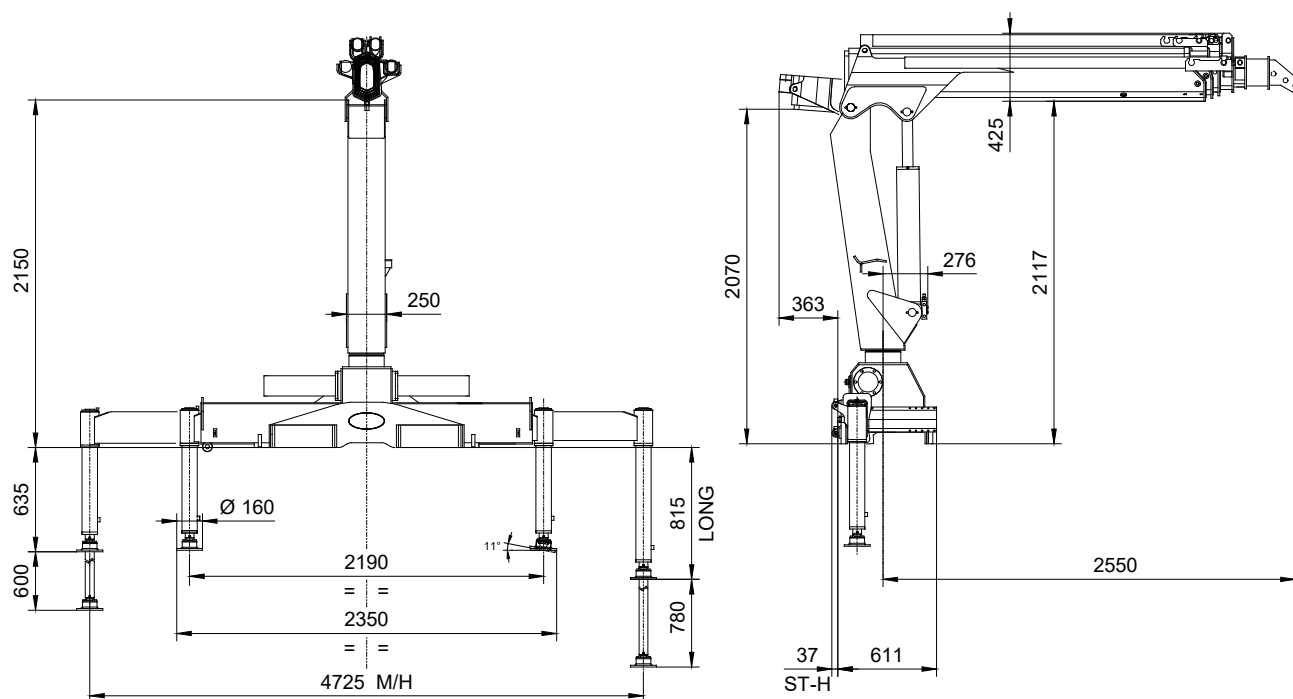
H : hydraulically operated stabilizer extensions

CC: colonna centrale

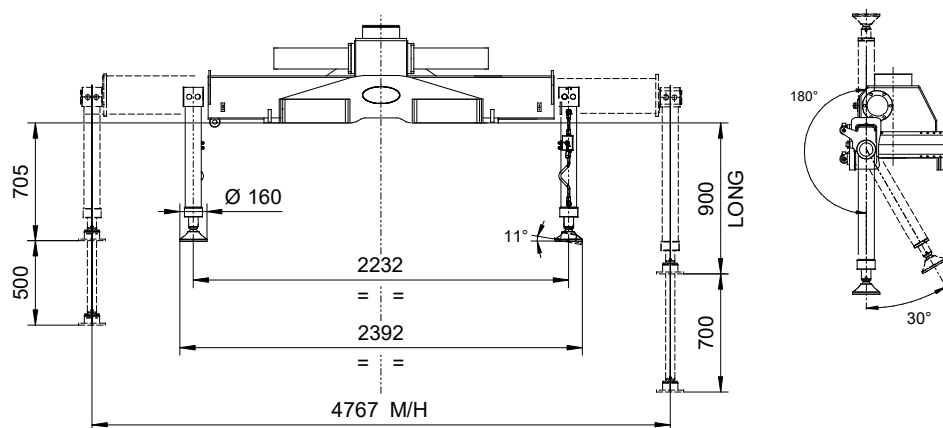
CC: central column

DIMENSIONI DI INGOMBRO / DIMENSIONS ST

VERSIONE CC / CC VERSION CILINDRI STABILIZZATORI FISSI / FIXED STABILIZERS LEGS

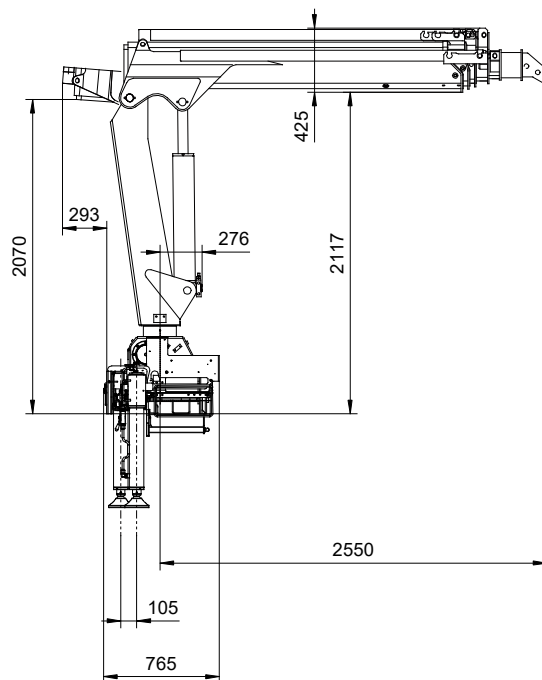
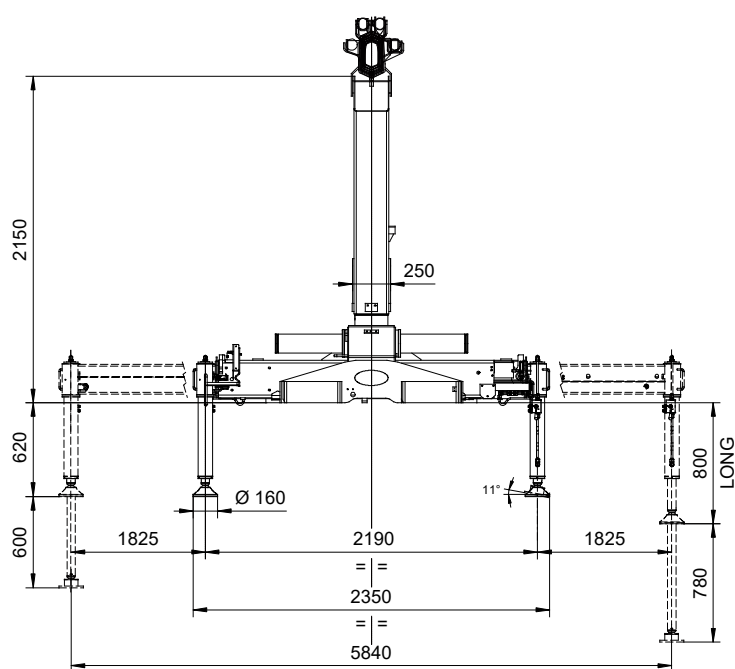


CILINDRI STABILIZZATORI GIREVOLI / TURNING STABILIZERS LEGS



DIMENSIONI DI INGOMBRO / DIMENSIONS SE

VERSIONE CC / CC VERSION
CILINDRI STABILIZZATORI FISSI / FIXED STABILIZERS LEGS



CILINDRI STABILIZZATORI GIREVOLI / TURNING STABILIZERS LEGS

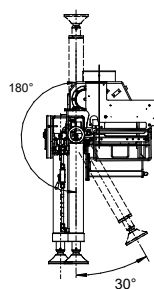
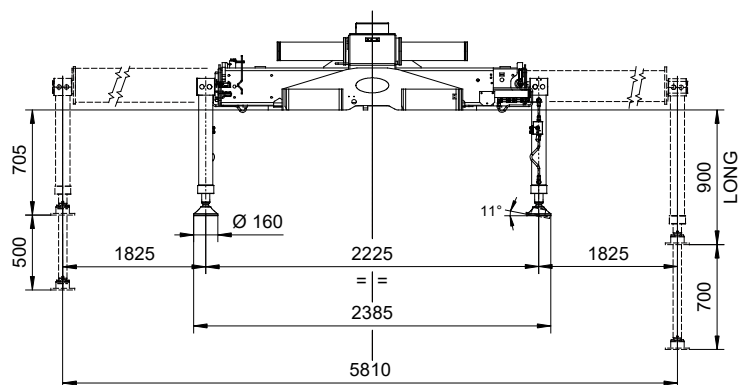


DIAGRAMMA PORTATE LOAD DIAGRAM 811NT 2S

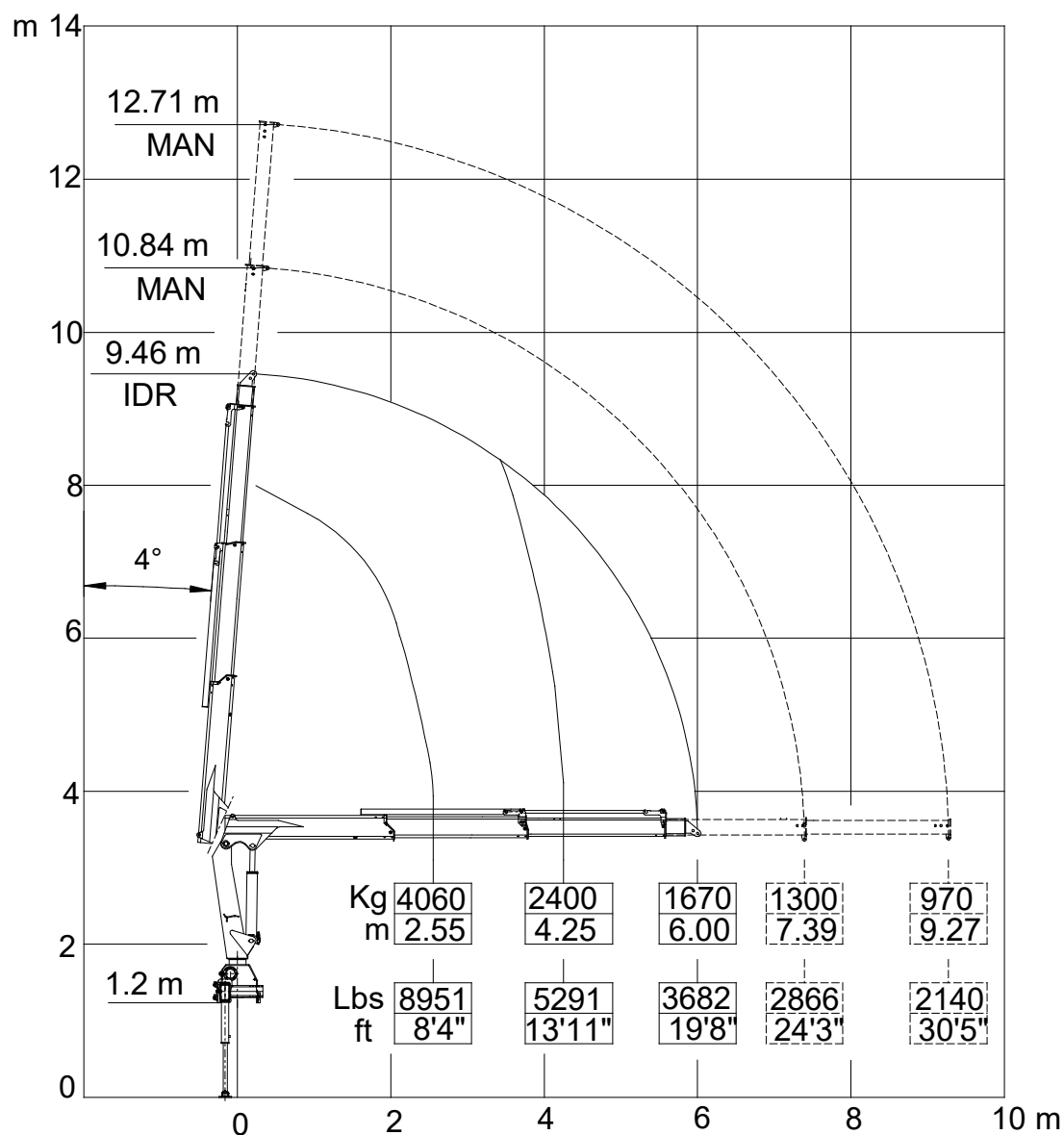


DIAGRAMMA PORTATE LOAD DIAGRAM 811NT 3S

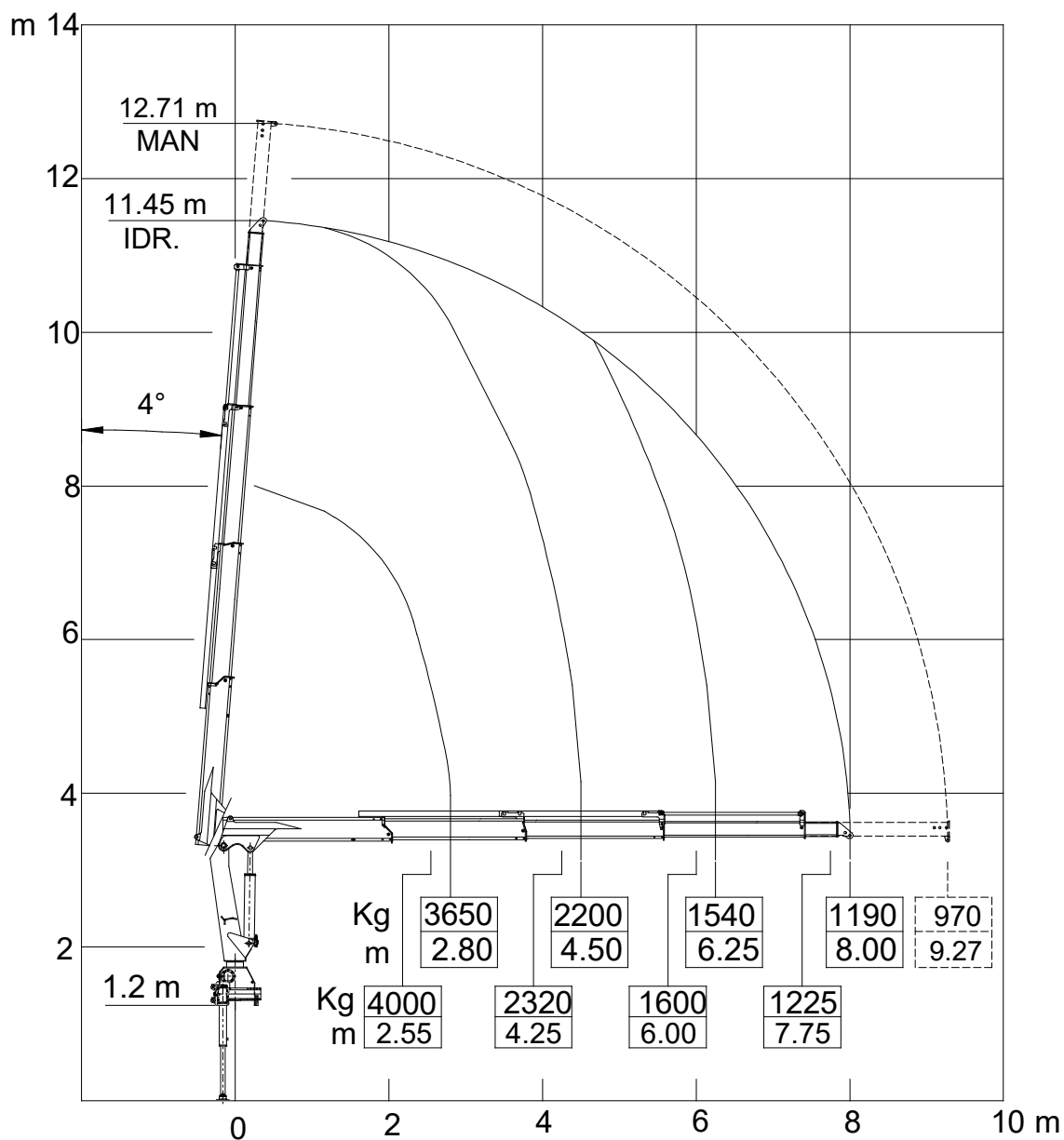
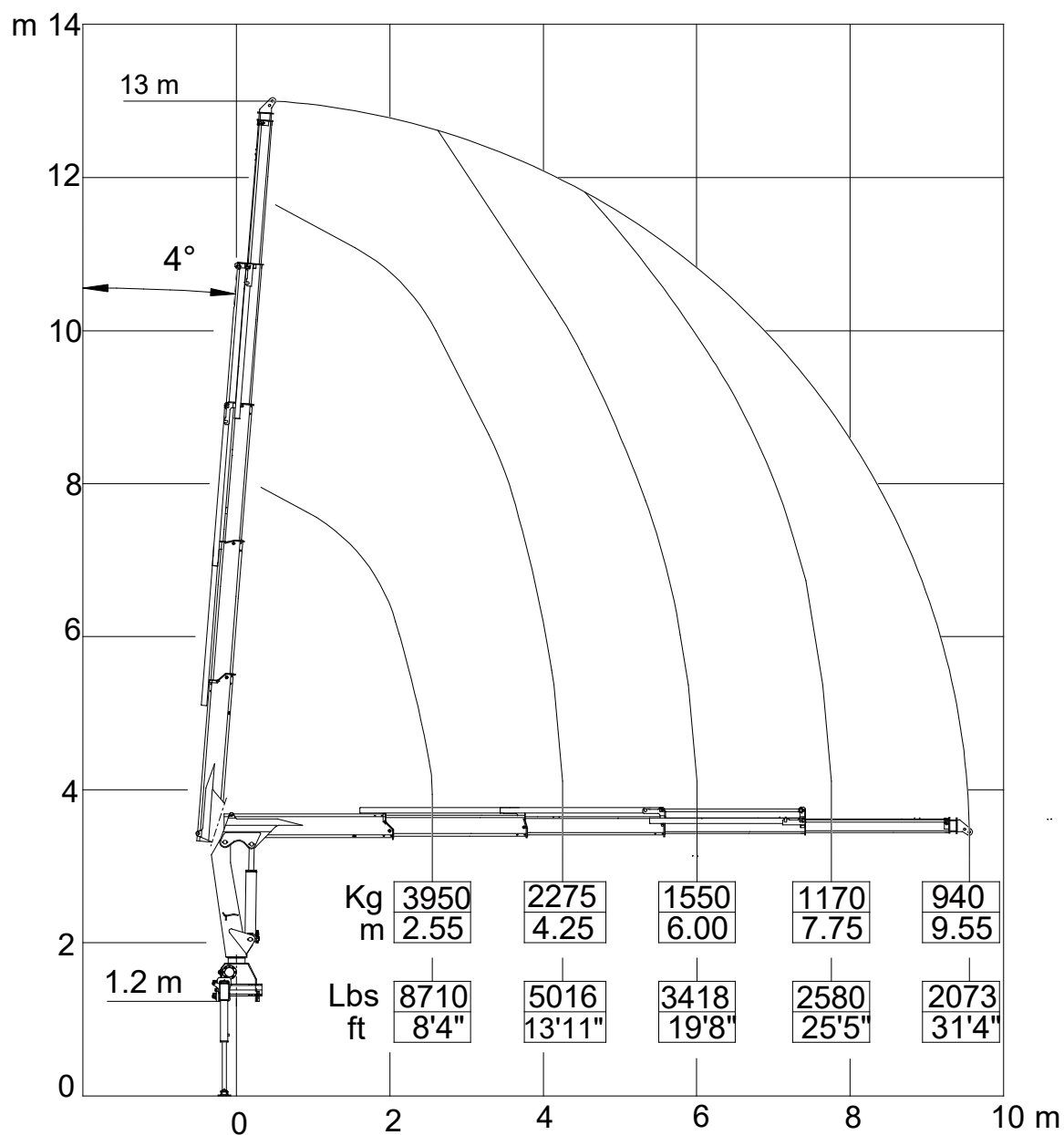
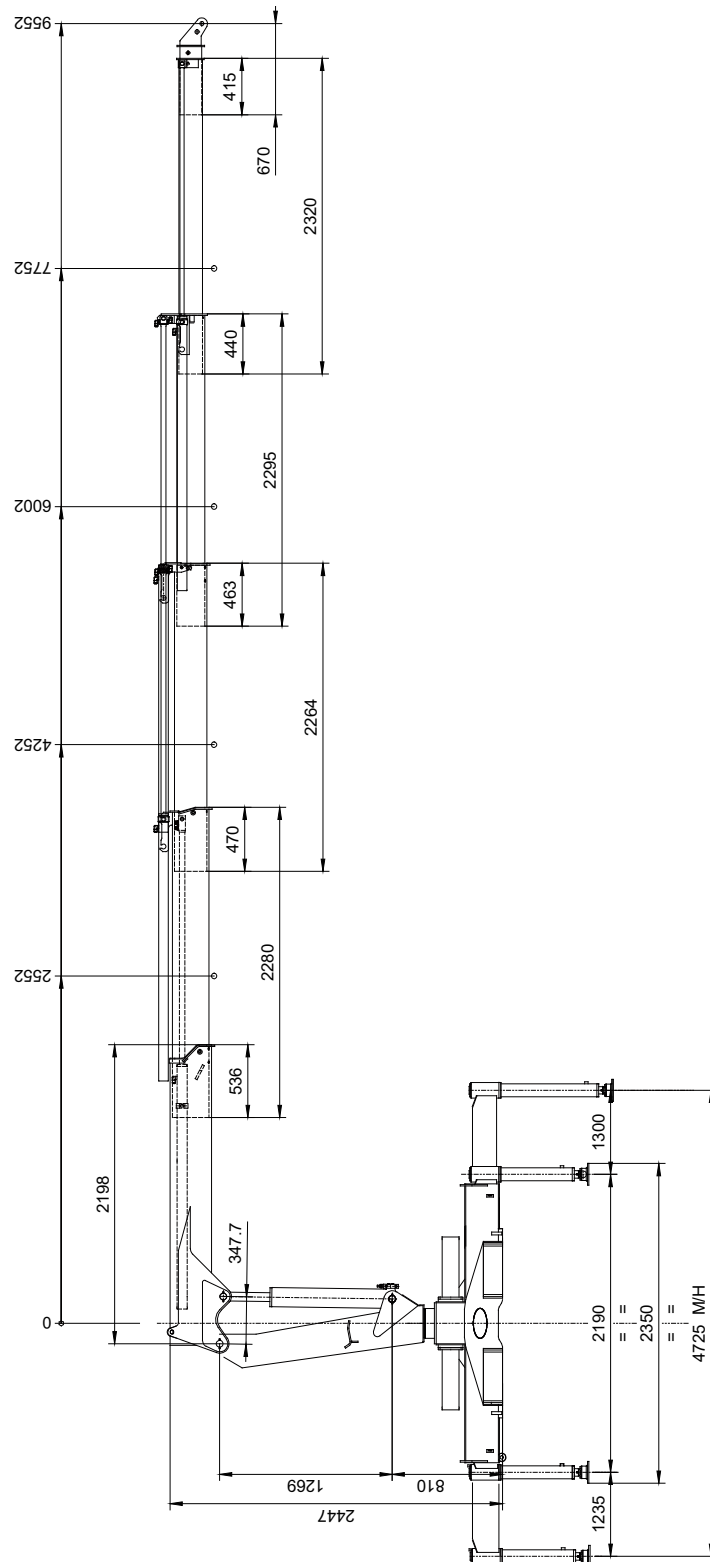


DIAGRAMMA PORTATE LOAD DIAGRAM 811NT 4S



DIMENSIONALE COLONNA E BRACCI COLUMN - BOOM - DIMENSIONS



DIMENSIONI PERNI E CILINDRI PINS CYLINDERS - DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	120
Diametro esterno - <i>Cyl. ext. diameter</i>	140
Diametro stelo - <i>Rod diameter</i>	65 - 0
Interasse aperto - <i>Centers (open)</i>	1636.5
Interasse chiuso - <i>Centers (closed)</i>	971.5
Corsa - <i>Stroke</i>	665
Raccordi - <i>Fittings</i>	3/4" - 16
Ø perni articolazione - <i>Artic. pin Ø</i>	50
Materiale perno/i - <i>Pin material</i>	39NiCrMo3 BNF (QT)

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	65
Diametro esterno - <i>Cyl. ext. diameter</i>	75
Diametro stelo - <i>Rod diameter</i>	40 - 25
Interasse aperto - <i>Centers (open)</i>	2108
Interasse chiuso - <i>Centers (closed)</i>	408
Corsa - <i>Stroke</i>	1700
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	39NiCrMo3 BNF (QT)

CILINDRO 2° SFILO 2ND EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	60
Diametro esterno - <i>Cyl. ext. diameter</i>	70
Diametro stelo - <i>Rod diameter</i>	35 - 25
Interasse aperto - <i>Centers (open)</i>	1854
Interasse chiuso - <i>Centers (closed)</i>	104
Corsa - <i>Stroke</i>	1750
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	39NiCrMo3 BNF (QT)

CILINDRO 3° SFILO 3RD EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	60
Diametro esterno - <i>Cyl. ext. diameter</i>	70
Diametro stelo - <i>Rod diameter</i>	35 - 25
Interasse aperto - <i>Centers (open)</i>	1854
Interasse chiuso - <i>Centers (closed)</i>	104
Corsa - <i>Stroke</i>	1750
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	39NiCrMo3 BNF (QT)

CILINDRO 4° SFILO 4TH EXTENSION CYL.

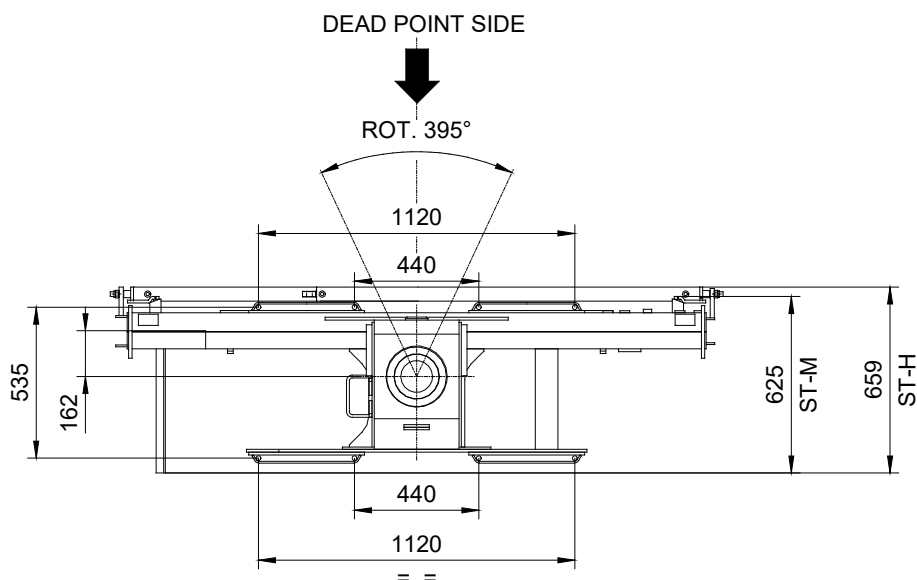
Alesaggio - <i>Cylinder bore</i>	60
Diametro esterno - <i>Cyl. ext. diameter</i>	70
Diametro stelo - <i>Rod diameter</i>	30 - 0
Interasse aperto - <i>Centers (open)</i>	1900
Interasse chiuso - <i>Centers (closed)</i>	100
Corsa - <i>Stroke</i>	1800
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	39NiCrMo3 BNF (QT)

CILINDRO DI ROTAZIONE ROTATION CYLINDER

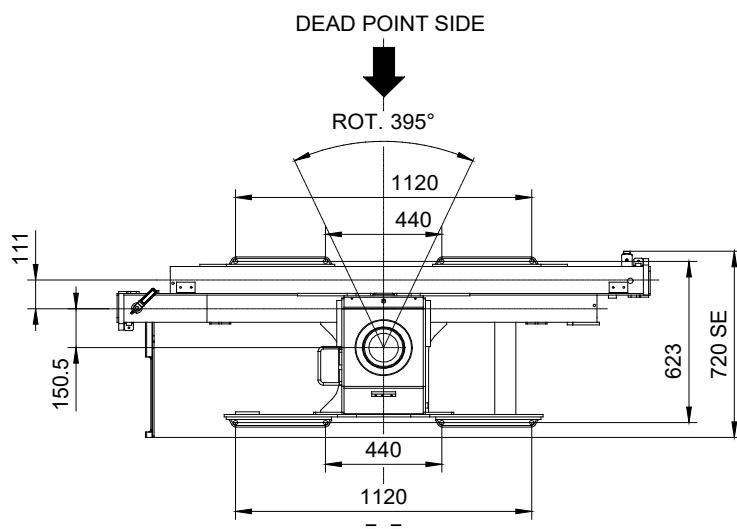
Alesaggio - <i>Cylinder bore</i>	110
Diametro esterno - <i>Cyl. ext. diameter</i>	123
Diametro stelo - <i>Rod diameter</i>	-
Interasse aperto - <i>Centers (open)</i>	-
Interasse chiuso - <i>Centers (closed)</i>	-
Corsa - <i>Stroke</i>	482
Raccordi - <i>Fittings</i>	-
Ø perni articolazione - <i>Artic. pin Ø</i>	-
Materiale perno/i - <i>Pin material</i>	-

DIMENSIONI BASAMENTO CC, TIRANTI E VITI ROTAZIONE CC BASE DIMENSIONS, TIE RODS & ROTATION SCREWS

ST

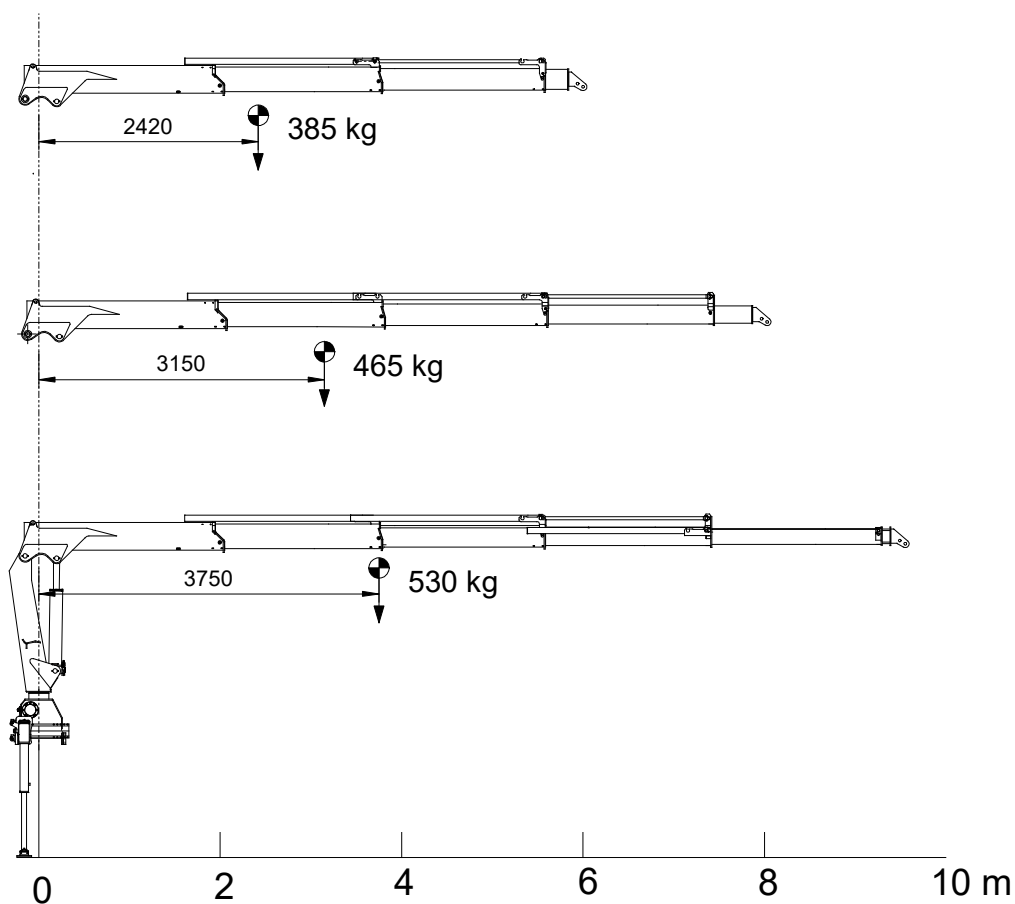


SE

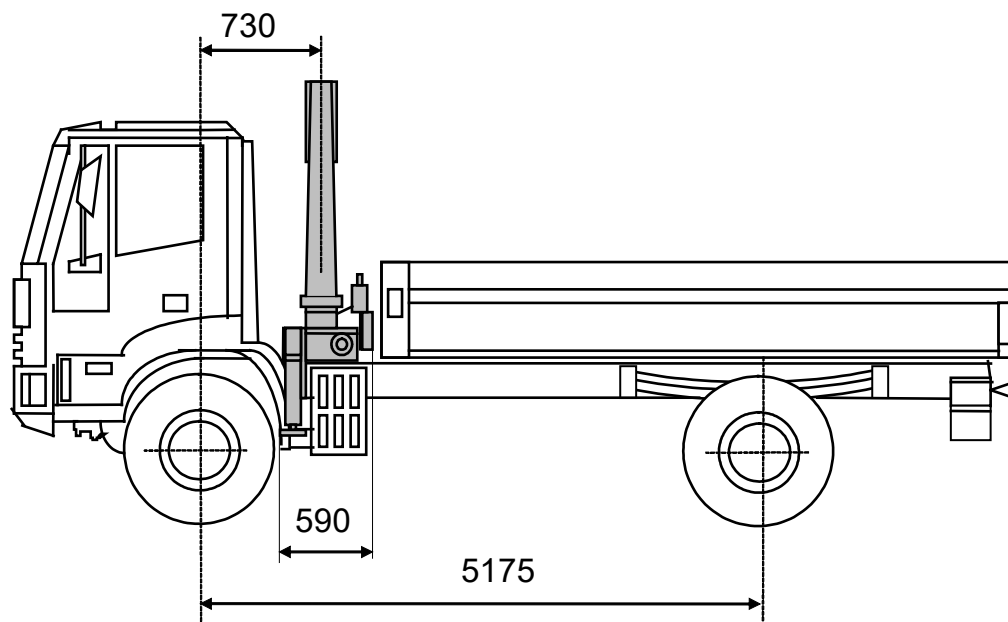


Tiranti di staffaggio Mounting tie rods	N°8 M20x1.5 39NiCrMo3+QT	Coppia di serraggio Tightening torque 240 Nm MIN - 250Nm MAX
Viti fissaggio canna di rotazione Rotation cylinder fixing bolts	N°8 M14x50 8.8 UNI 5931	Coppia di serraggio 80 Nm Tightening torque 80 Nm

PESI - BARICENTRI WEIGHTS - CENTER OF GRAVITY 811NT



	ST-M	ST-H	SE-M	SE-H
Massa parti fisse (kg) Fixed parts weights	825	865	895	945

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS
811NT**PTT (GVW) = 150 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara asse anteriore = 3065 kg

Carico ammissibile asse anteriore = 5000 kg

Asse posteriore

Tara asse posteriore = 1580 kg

PESI ALLESTIMENTO

Peso cassone = 500 kg

Peso gru = 1355 kg (811NT 4S)

Peso controtelaio = 100 kg

CHASSIS DATA**Front axle**

Front axle tare weight = 3065 kg

Allowable front axle weight = 5000 kg

Rear axle

Rear axle tare weight = 1580 kg

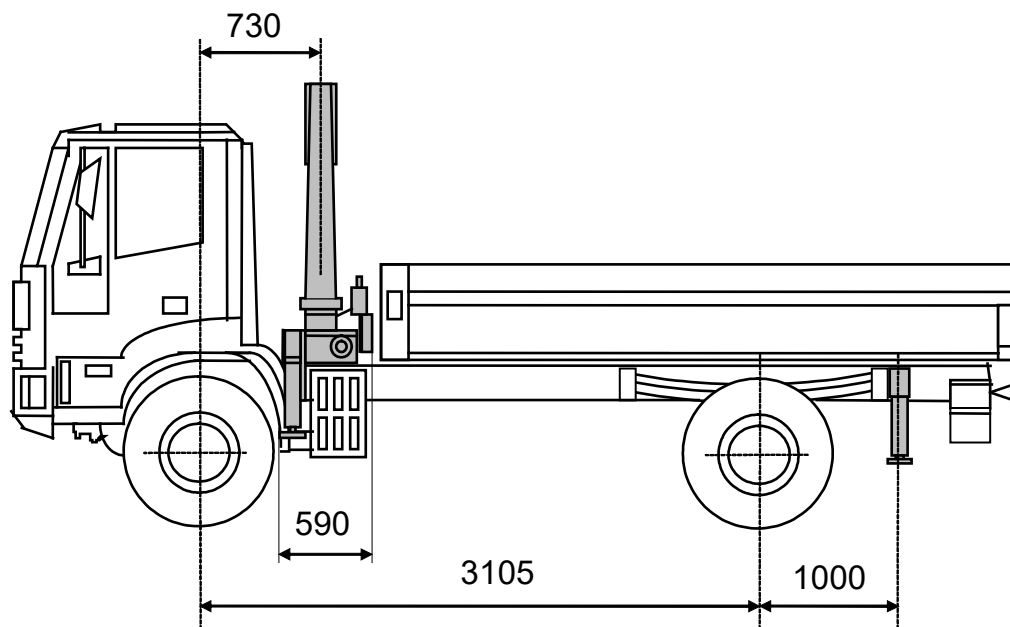
OUTFIT WEIGHTS

Body weight = 500 kg

Crane weight = 1355 kg (811NT 4S)

Counterframe weight = 100 kg

Coefficiente di stabilità = 1,30**Stability index = 1,30**

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS
811NT**PTT (GVW) = 120 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara asse anteriore = 2790 kg

Carico ammissibile asse anteriore = 4400 kg

Asse posteriore

Tara asse posteriore = 1180 kg

CHASSIS DATA**Front axle**

Front axle tare weight = 2790 kg

Allowable front axle weight = 4400 kg

Rear axle

Rear axle tare weight = 1180 kg

PESI ALLESTIMENTO

Massa cassone = 400 kg

Massa gru = 1355 kg (811NT 4S)

Massa controtelaio = 200 kg

OUTFIT WEIGHTS

Body weight = 400 kg

Crane weight = 1355 kg (811NT 4S)

Counterframe weight = 200 kg

Stabilizzatori supplementari

Apertura minima = 2000 mm

Peso stabilizzatori supplementari = 80 kg

Rear beam stabilizers

Min. width = 2000 mm

Rear stabilizer weight = 80 kg

Coefficiente di stabilità = 1,35**Stability index = 1,35**

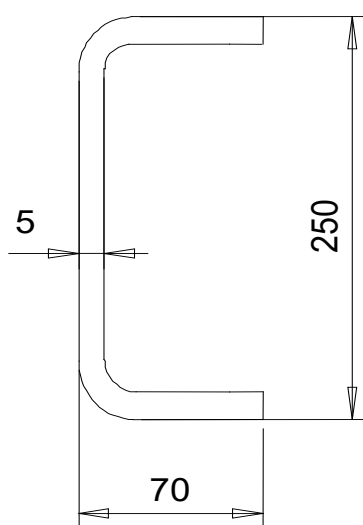
CONTROTELAIO MINIMO
MIN COUNTERFRAME
811NT**Momento dinamico max (daNm)**

Max dynamic moment

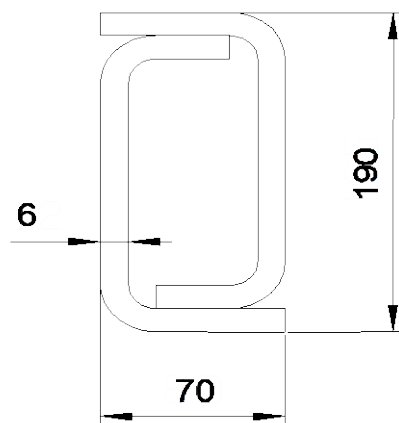
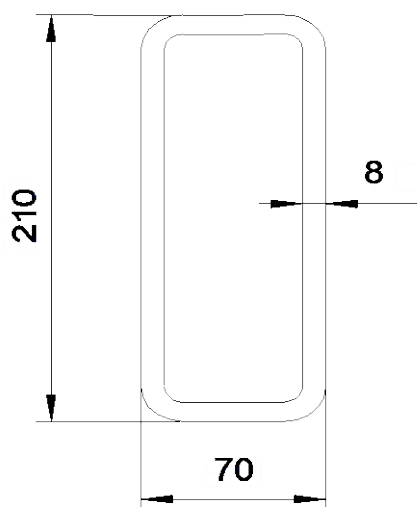
12700

Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12 ton)

**Sezione minima contro telaio (materiale Fe510 - S355)**

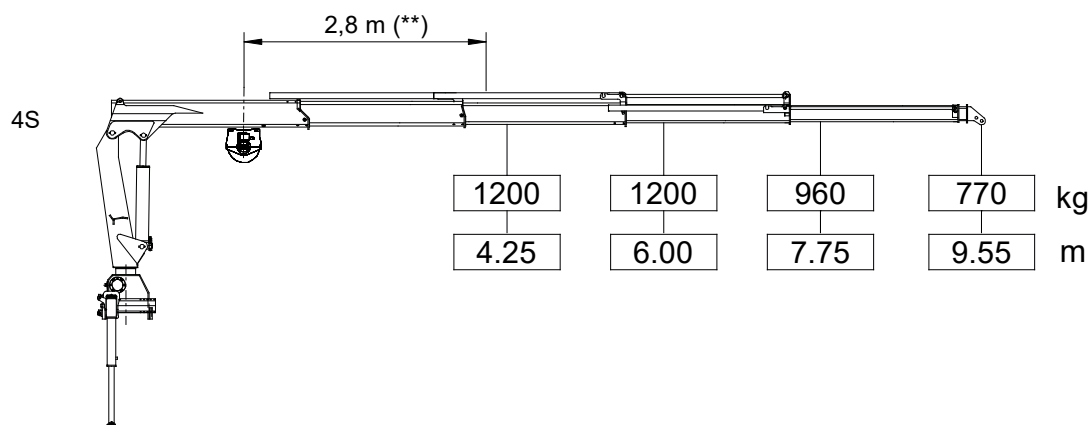
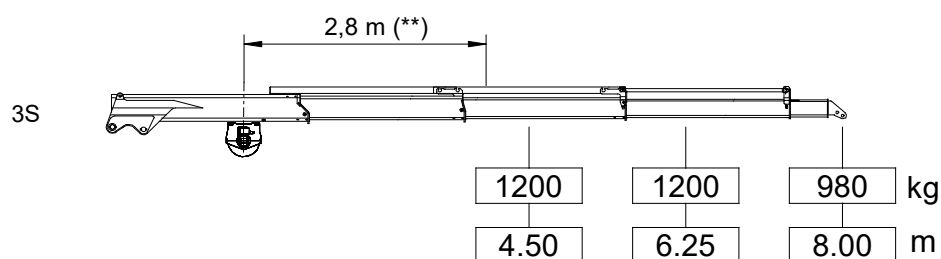
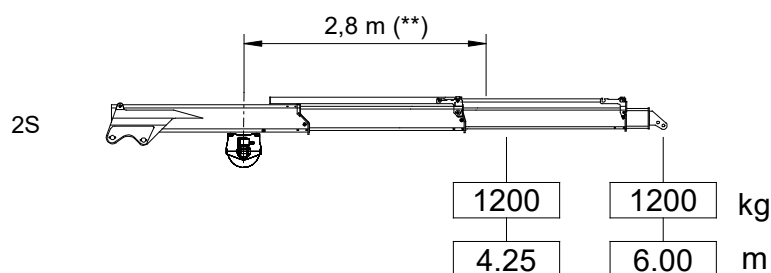
Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO 811NT HYDRAULIC WINCH DATA 811NT

Max tiro diretto per gru con posizione di lavoro a bracci orizzontali
Max winch direct pull for crane at horizontal boom work position

1200 kg



(**) = Distanza minima di utilizzo argano

(**) = Min distance for using the winch

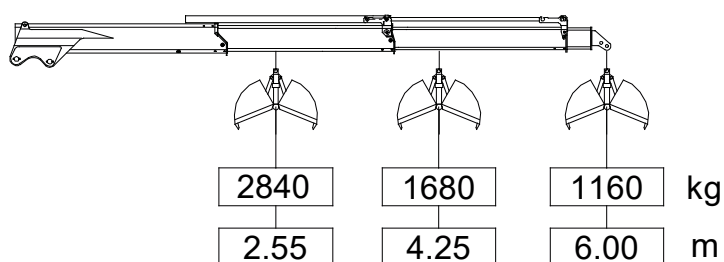
(**) = Min Abstand für Benutzung der Winde

CARATTERISTICHE ACCESSORI BENNA-POLIPO 811NT

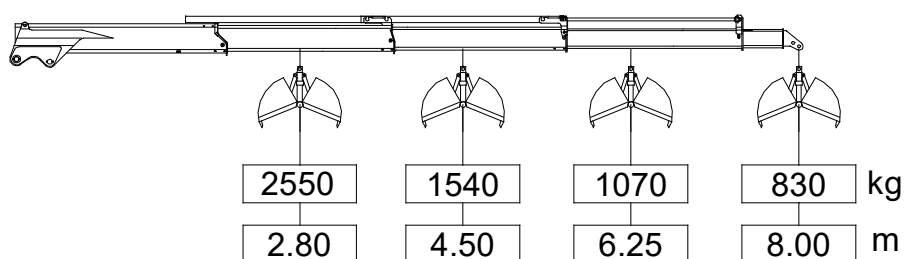
GRAB - BUCKET DATA 811NT

Peso massimo ammissibile Max allowable weight	420 kg
Pressione max. di esercizio Max working pressure	200 bar

2S



3S



4S

