

810

RACCOLTA TECNICA TECHNICAL BOOK



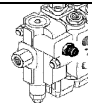
CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	13300
--	-------

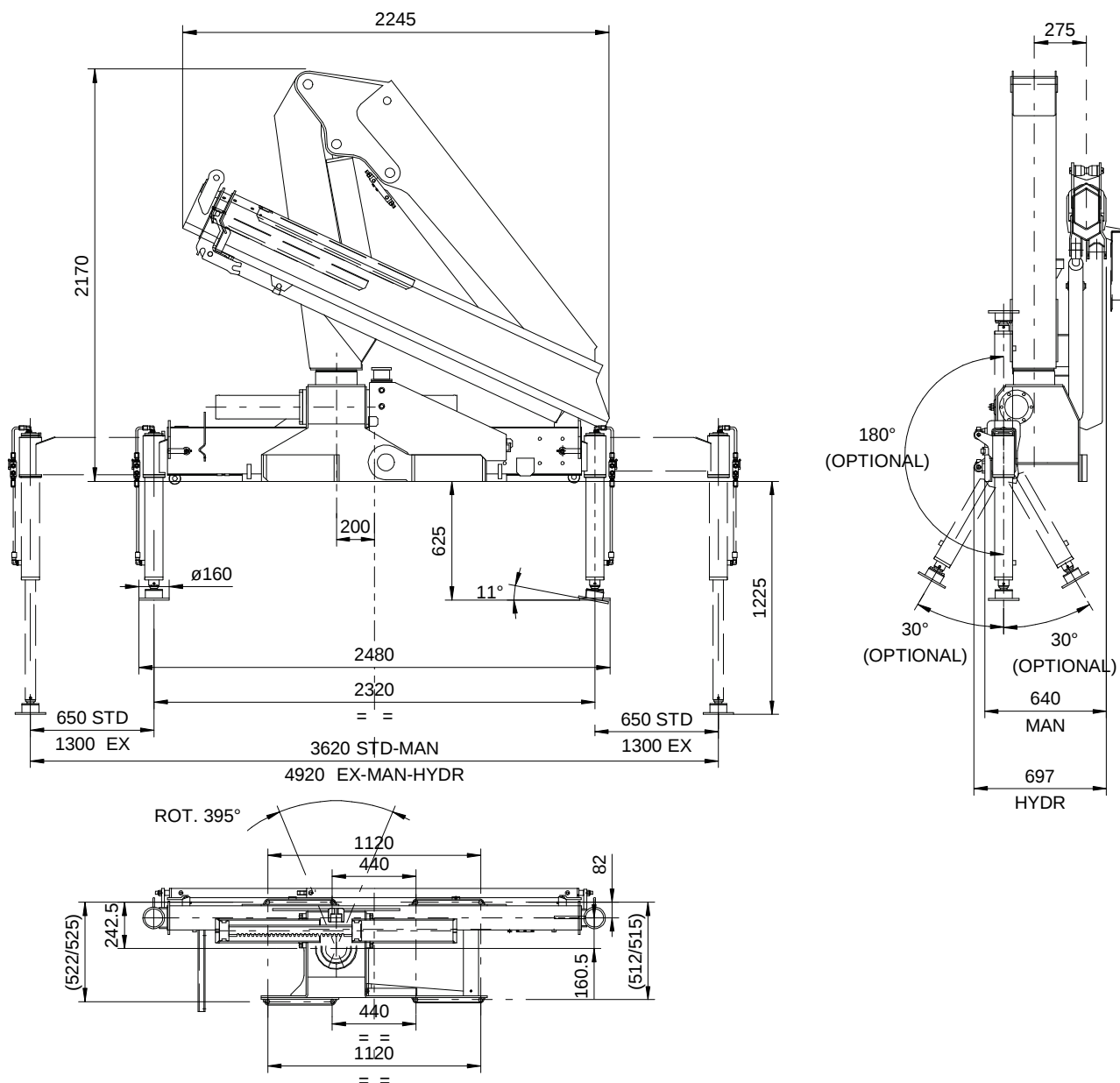
	Versione	Q _{max}
Portata max (kg) Max load	1S	4300
	2S	4100
	3S	3980
	4S	3840
	5S	3700

	Versione	Stand.	EX man.	EX hydr.
Massa in ordine di lavoro (kg) Crane weight	1S	1230	1285	1330
	2S	1335	1390	1435
	3S	1430	1485	1530
	4S	1520	1575	1620
	5S	1590	1645	1690

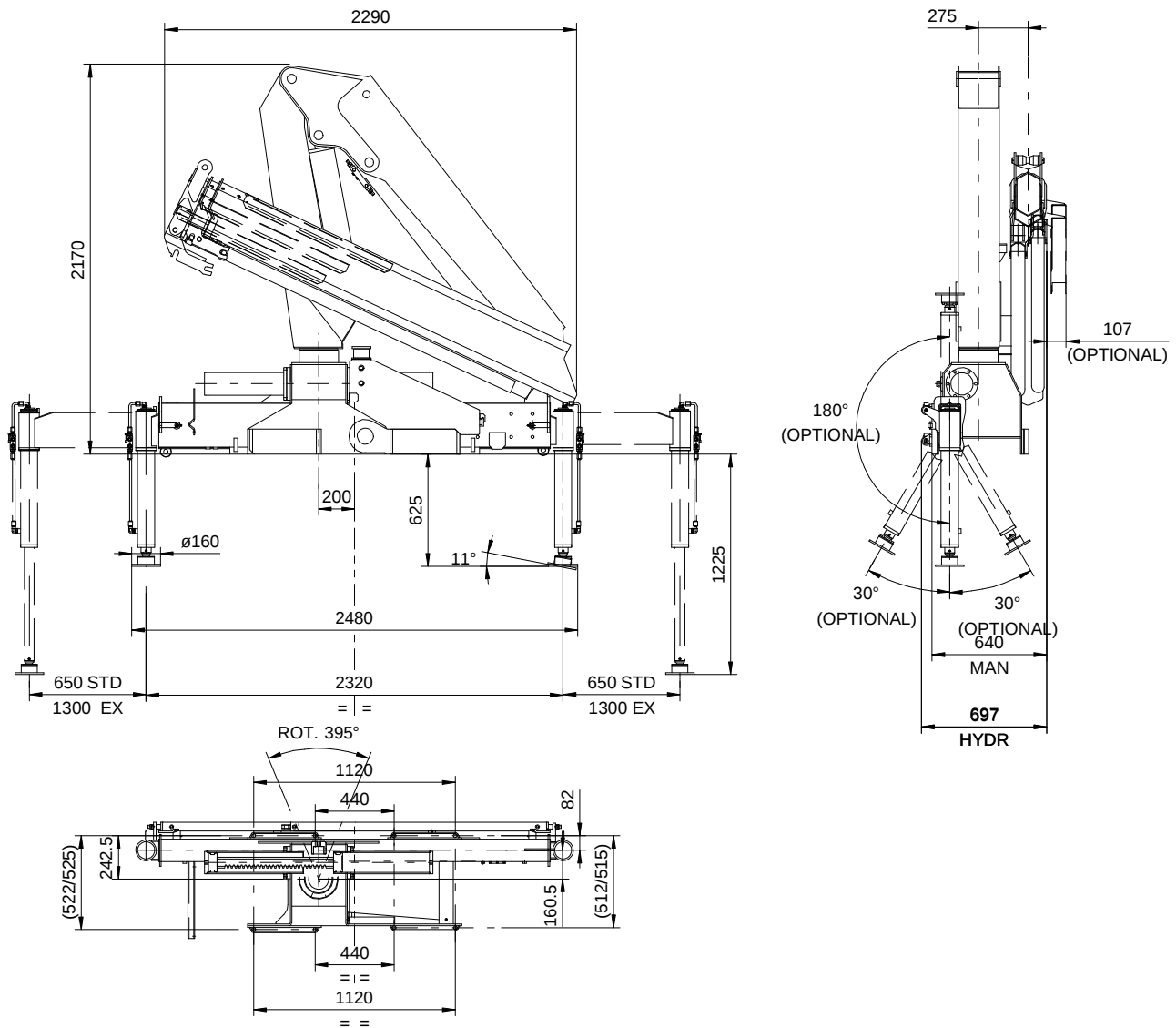
Reazione massima sullo stabilizzatore standard Max force on the stabilizer leg	7760 daN
Reazione massima sullo stabilizzatore extra Max force on the stabilizer extra	5710 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	39 daN/cm ²
Carico massimo trasmesso al suolo da stabilizzatori extra Max extra stabilizer pressure on the ground	29 daN/cm ²
Pressione massima di esercizio Max working pressure	290 bar
Portata massima di olio Max oil flow	25 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	15 kW 20 HP
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		F 1" BSP	F 1" BSP

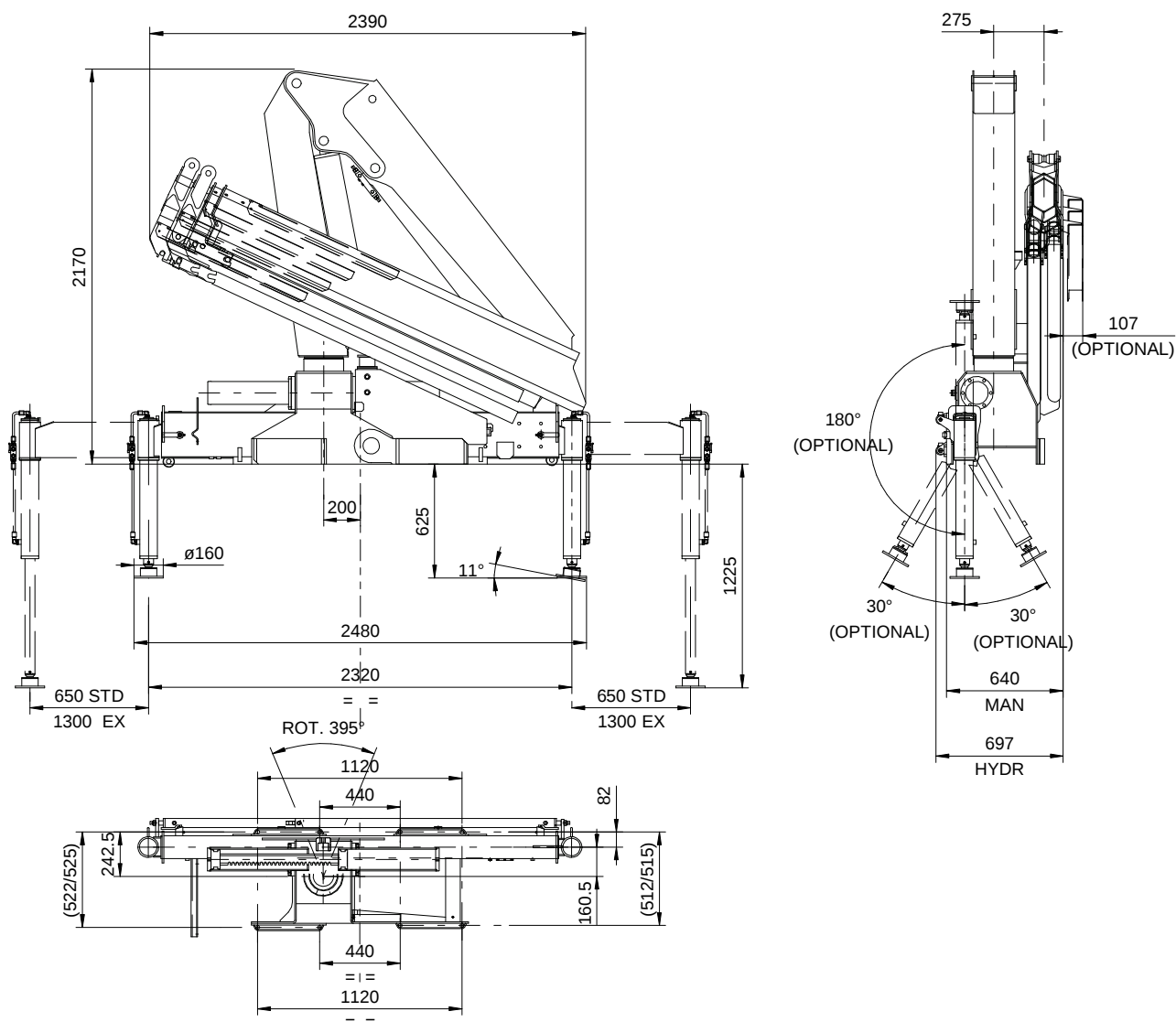
DIMENSIONI DI INGOMBRO DIMENSIONS 810 1S



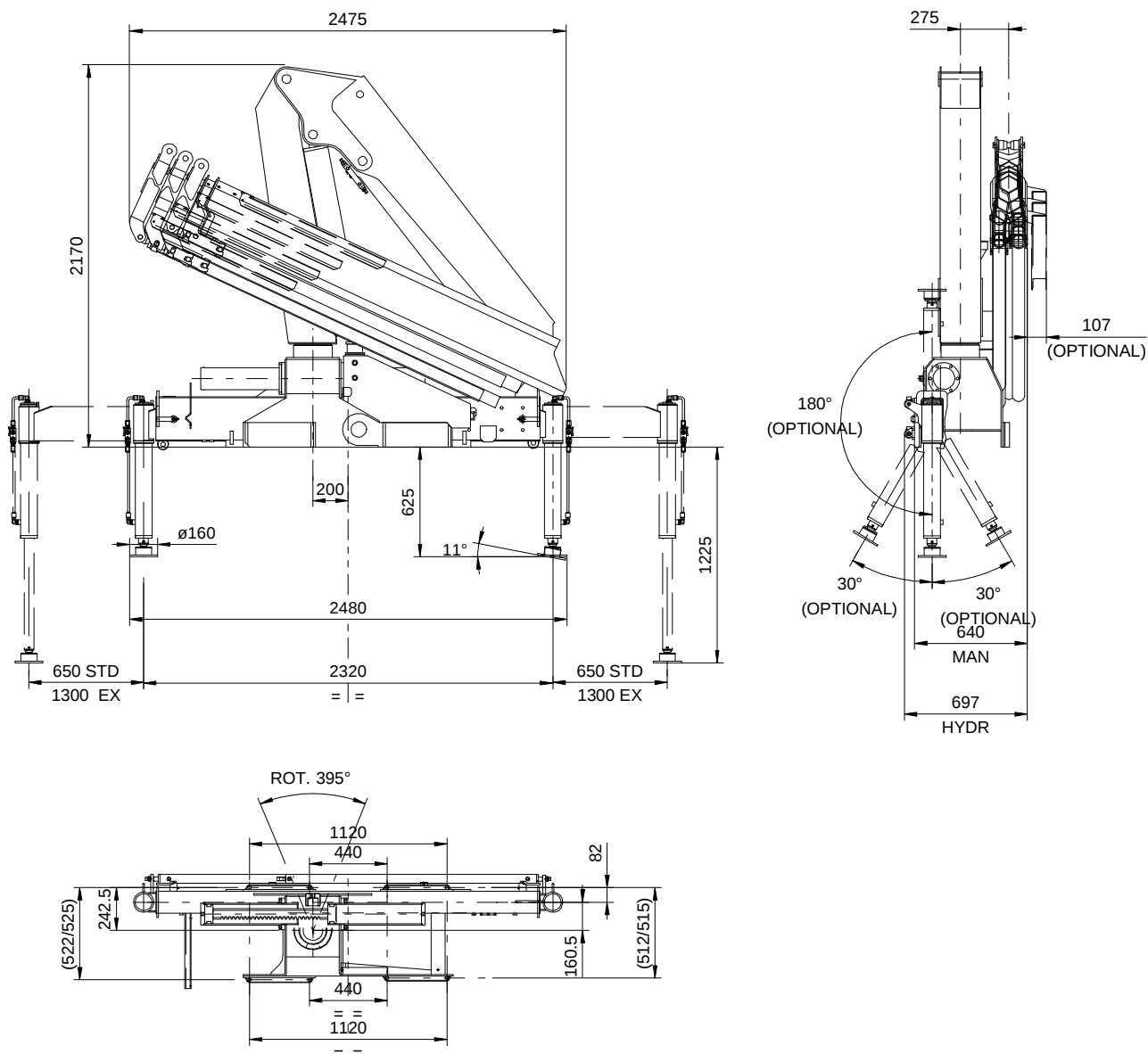
DIMENSIONI DI INGOMBRO
DIMENSIONS
810 2S



DIMENSIONI DI INGOMBRO DIMENSIONS 810 3S



DIMENSIONI DI INGOMBRO DIMENSIONS 810 4S



DIMENSIONI DI INGOMBRO
DIMENSIONS
810 5S

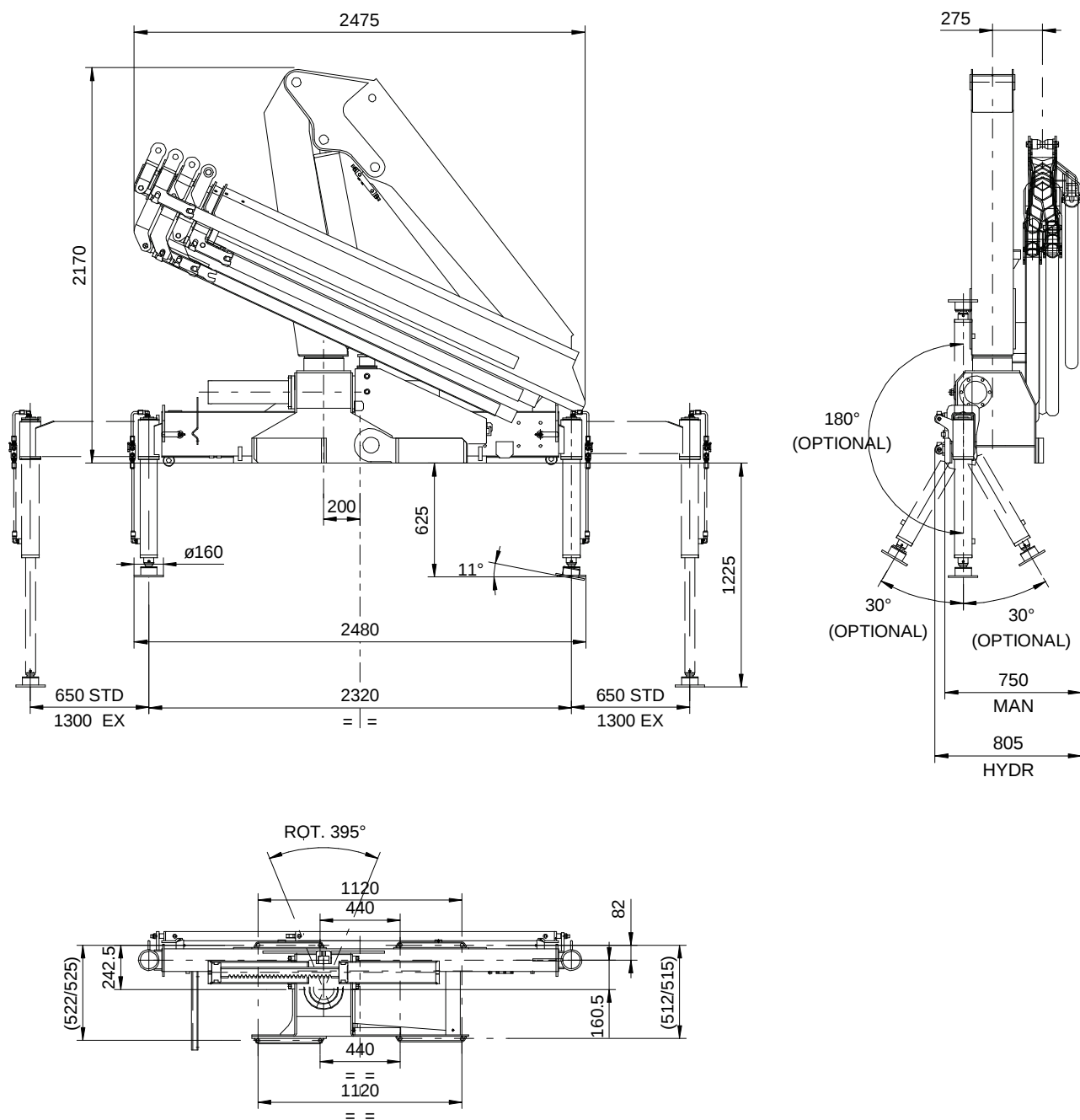


DIAGRAMMA PORTATE LOAD DIAGRAM 810 1S

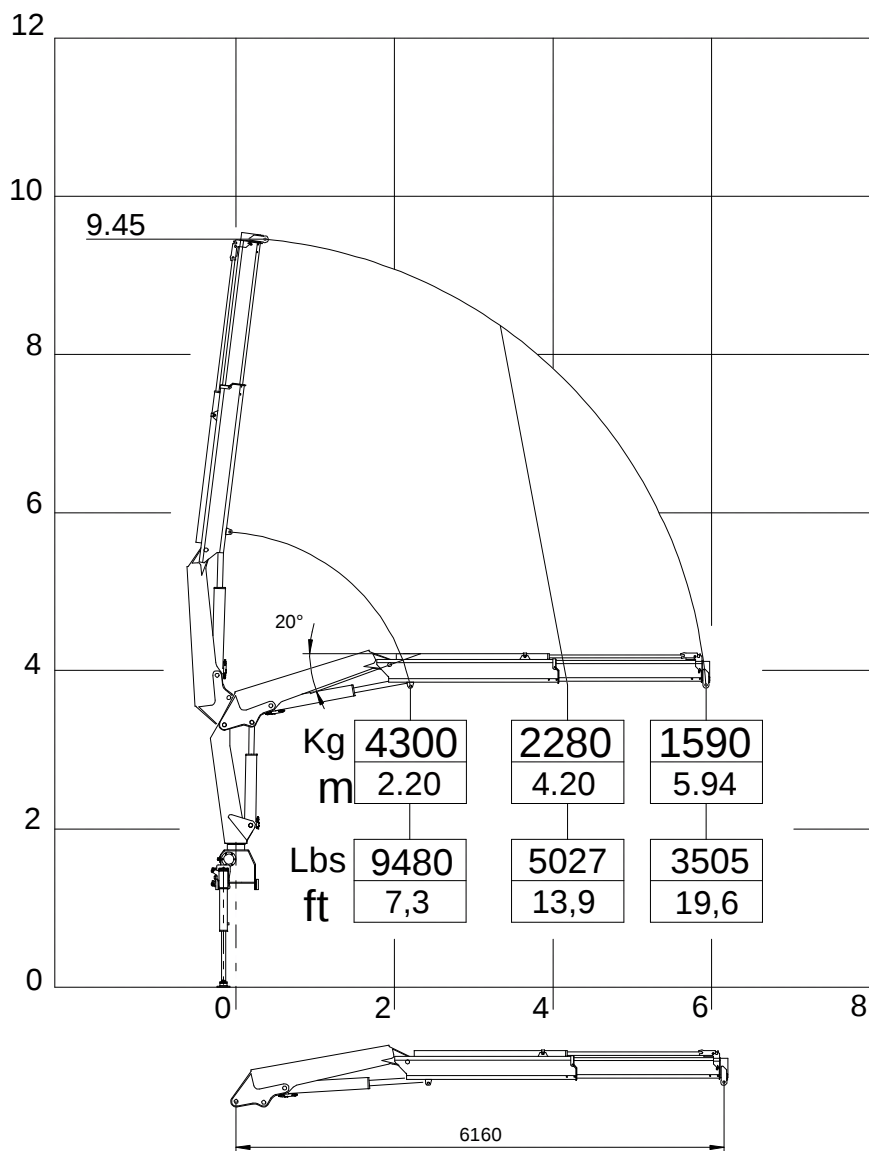


DIAGRAMMA PORTATE LOAD DIAGRAM 810 2S

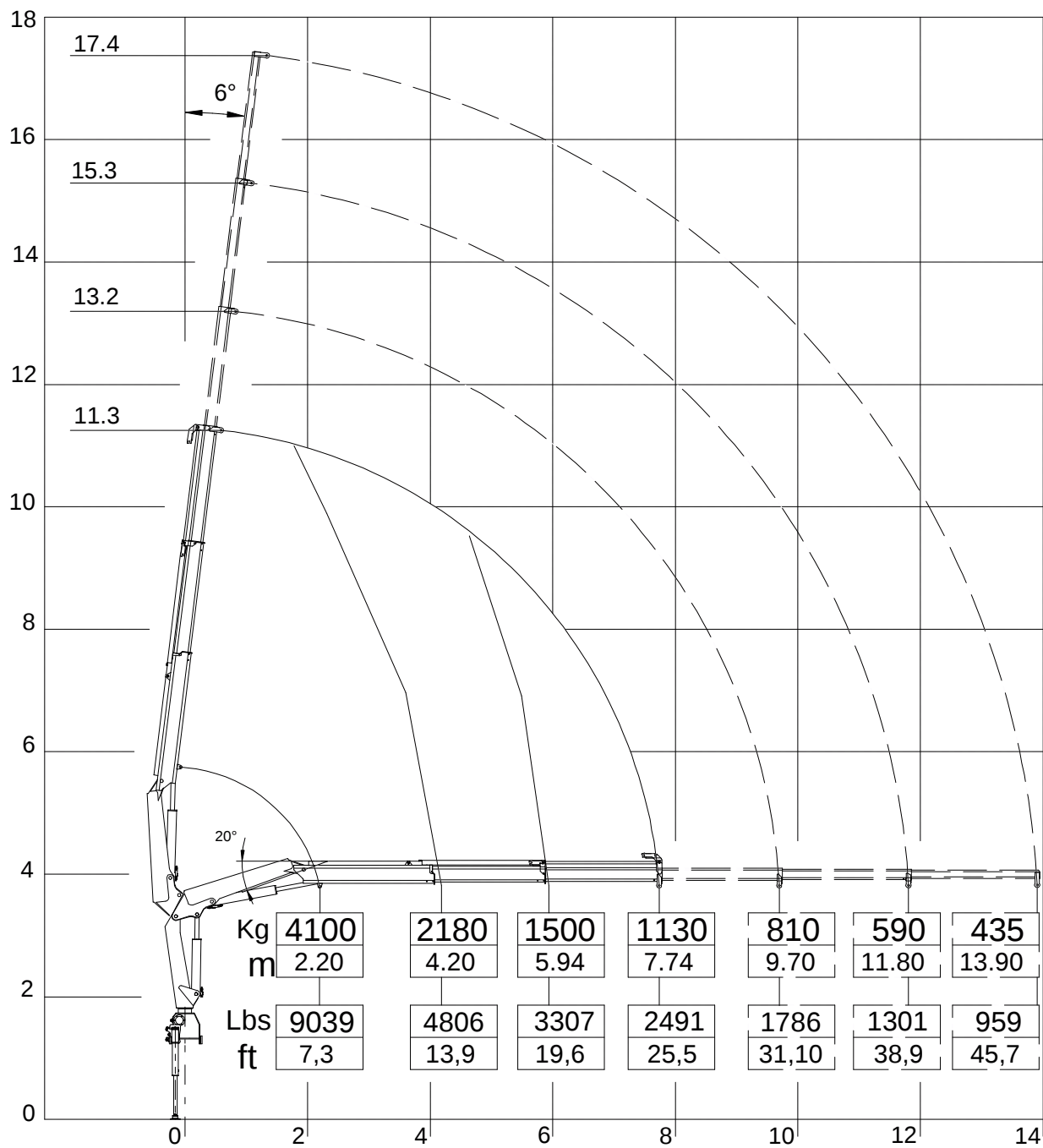


DIAGRAMMA PORTATE LOAD DIAGRAM 810 3S

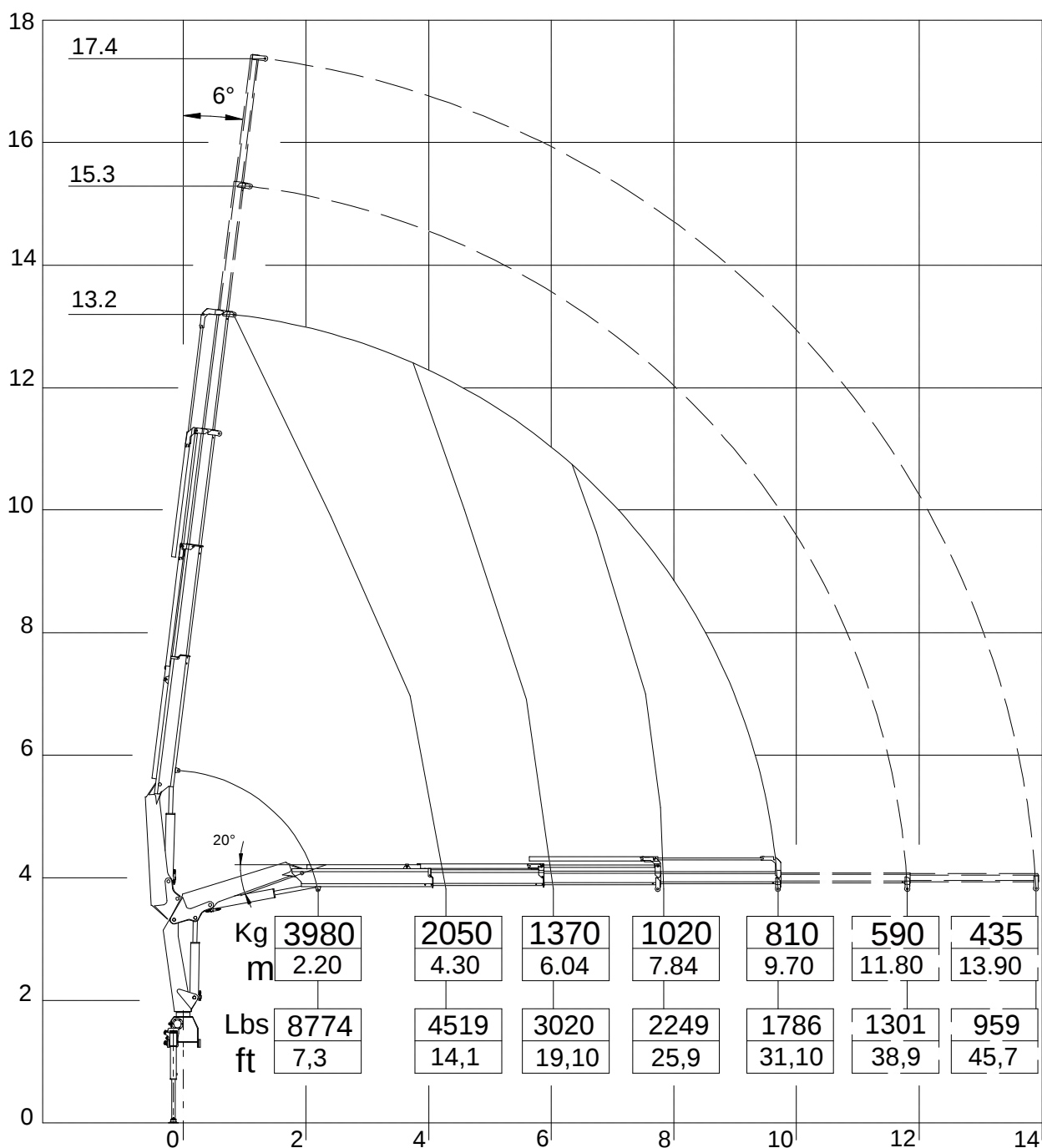


DIAGRAMMA PORTATE LOAD DIAGRAM 810 4S

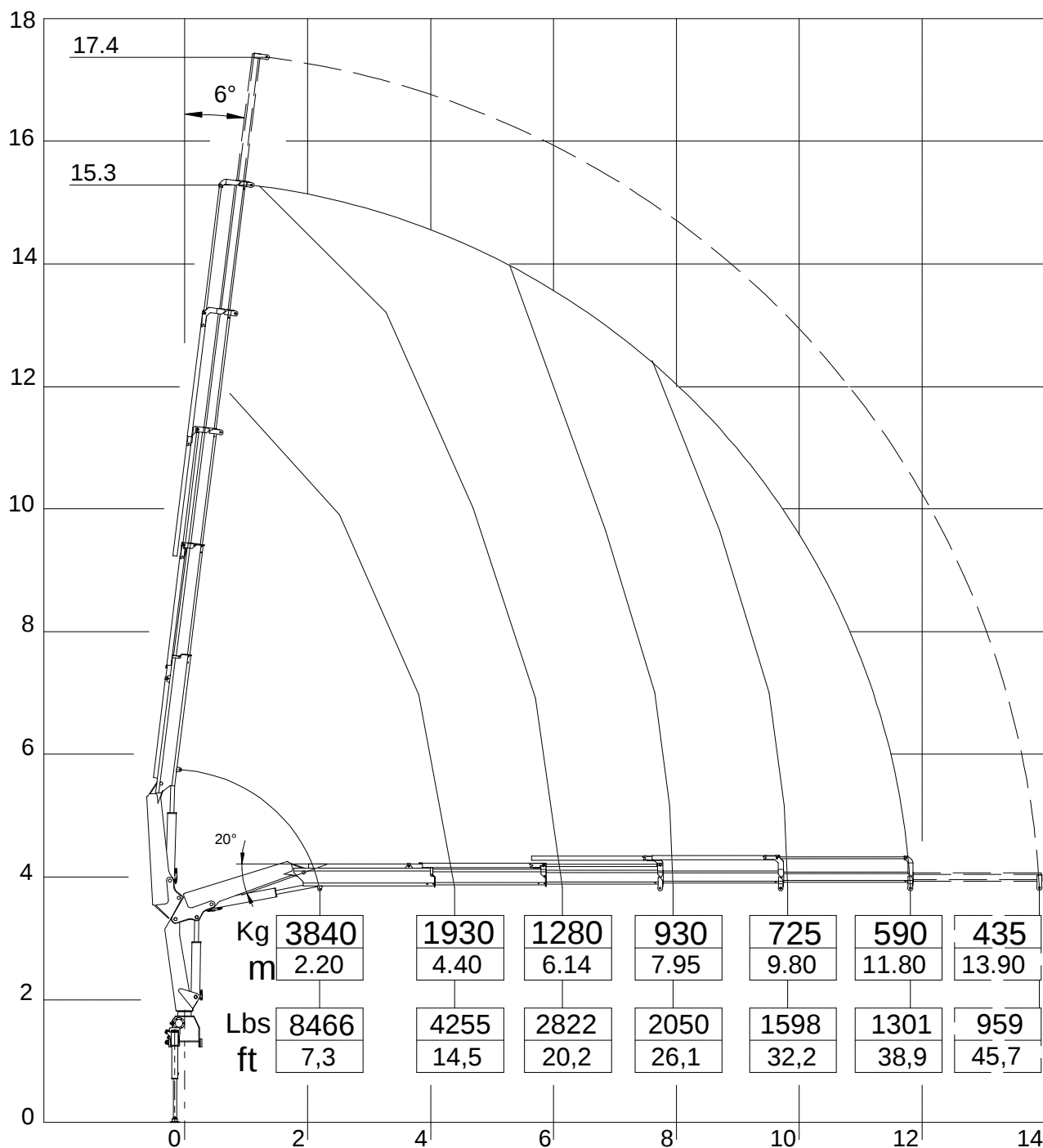
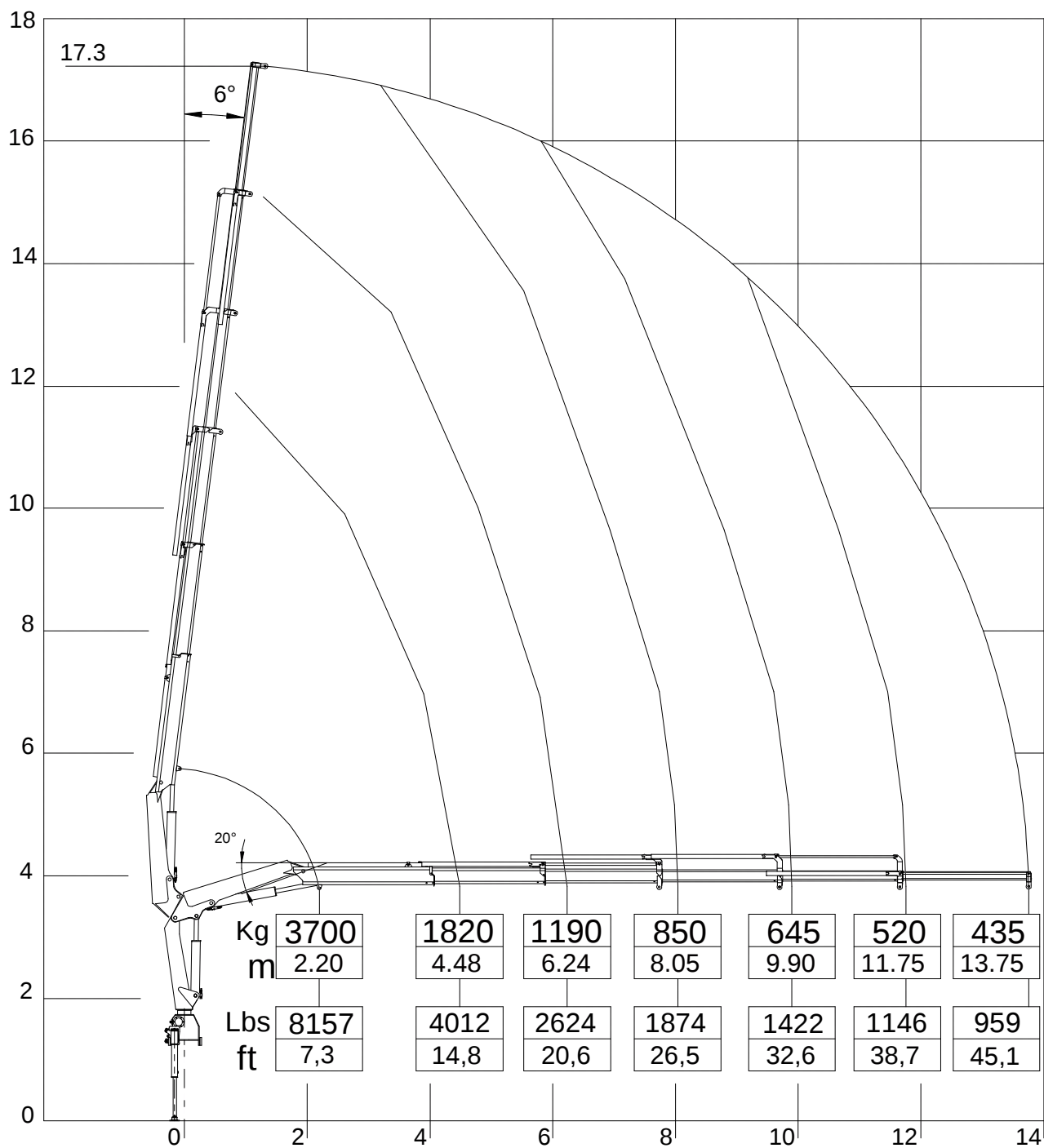


DIAGRAMMA PORTATE LOAD DIAGRAM 810 5S



DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

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

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - Cylinder bore	120
Diametro esterno - Cyl. ext. diameter	140
Diametro stelo - Rod diameter	65 - 0
Interasse aperto - Pitch (open)	1975
Interasse chiuso - Pitch (closed)	1140
Corsa - Stroke	835
Raccordi - Fittings	3/4" – 16
Ø perno fissaggio - Fixing pin Ø	50
Mat. perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - Cylinder bore	65
Diametro esterno - Cyl. ext. diameter	75
Diametro stelo - Rod diameter	40 - 25
Interasse aperto - Pitch (open)	2150
Interasse chiuso - Pitch (closed)	400
Corsa - Stroke	1750
Raccordi - Fittings	9/16" - 18
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40 NORM.

CILINDRO 2° SFILO 2ND EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1900
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	1800
Raccordi - Fittings	3/4" – 16
Ø perno fissaggio - Fixing pin Ø	25
Mat. perno/i - Pin steel	C40 NORM.

CILINDRO 3° - 4° SFILO 3RD - 4TH EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1960
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	1860
Raccordi - Fittings	3/4" – 16
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40 NORM.

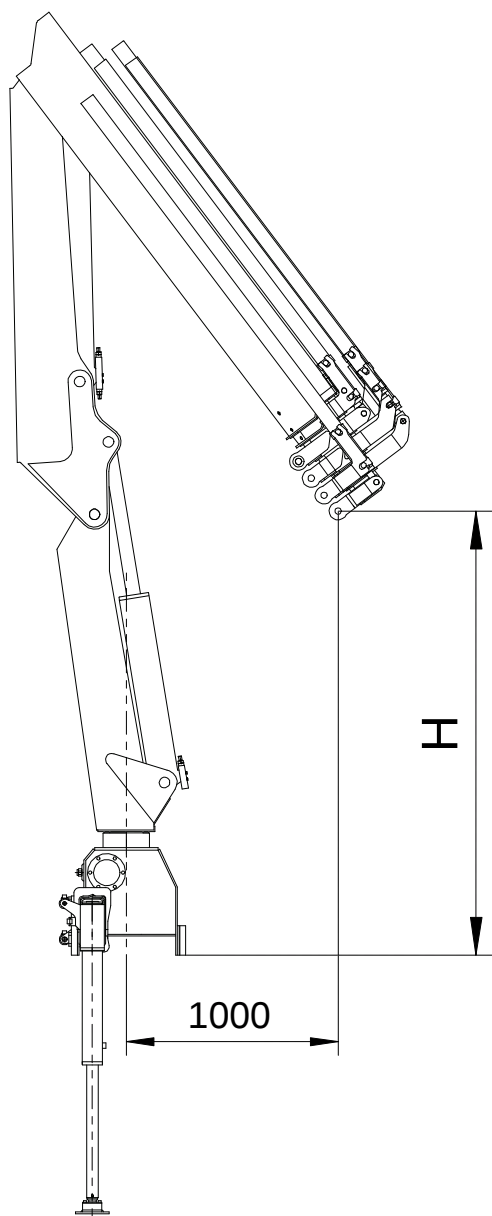
CILINDRO 5° SFILO 5TH EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	2100
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	2000
Raccordi - Fittings	7/8" – 14
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40 NORM.

CILINDRO DI ROTAZIONE ROTATION CYLINDER

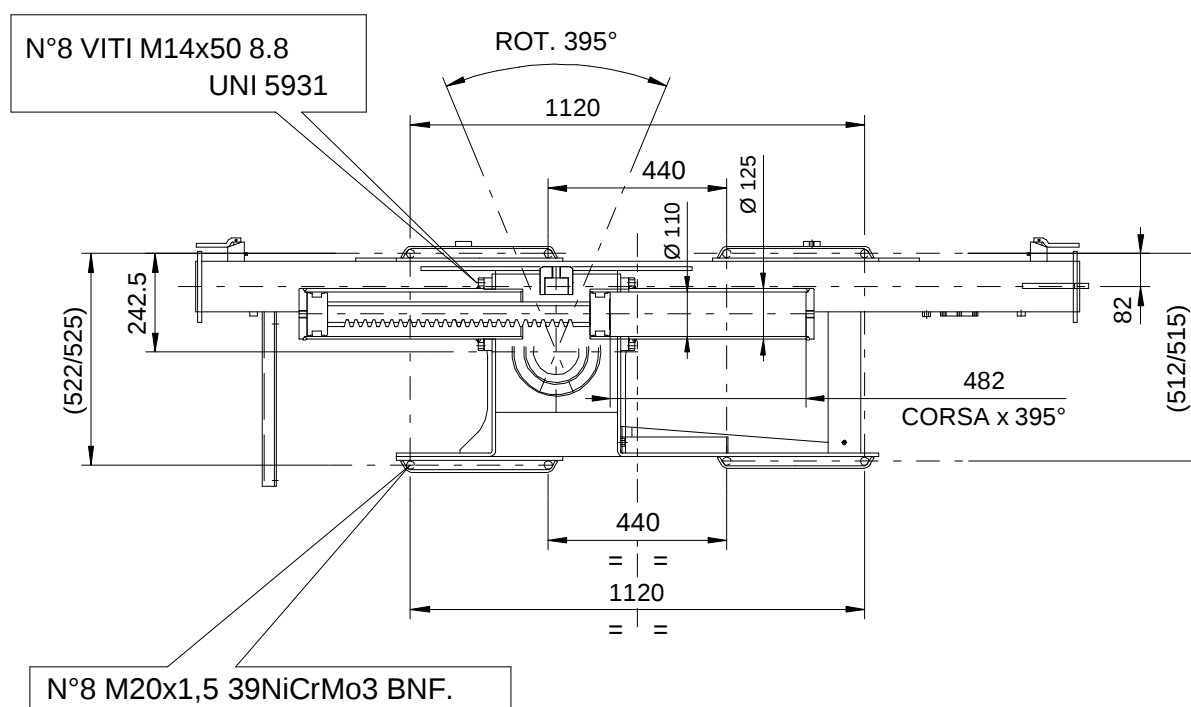
Alesaggio - Cylinder bore	110
Diametro esterno - Cyl. ext. diameter	125
Diametro stelo - Rod diameter	-
Interasse aperto - Pitch (open)	-
Interasse chiuso - Pitch (closed)	-
Corsa - Stroke	482
Raccordi - Fittings	-
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-

ALTEZZA ATTACCO GANCIO HOOK HEIGHT



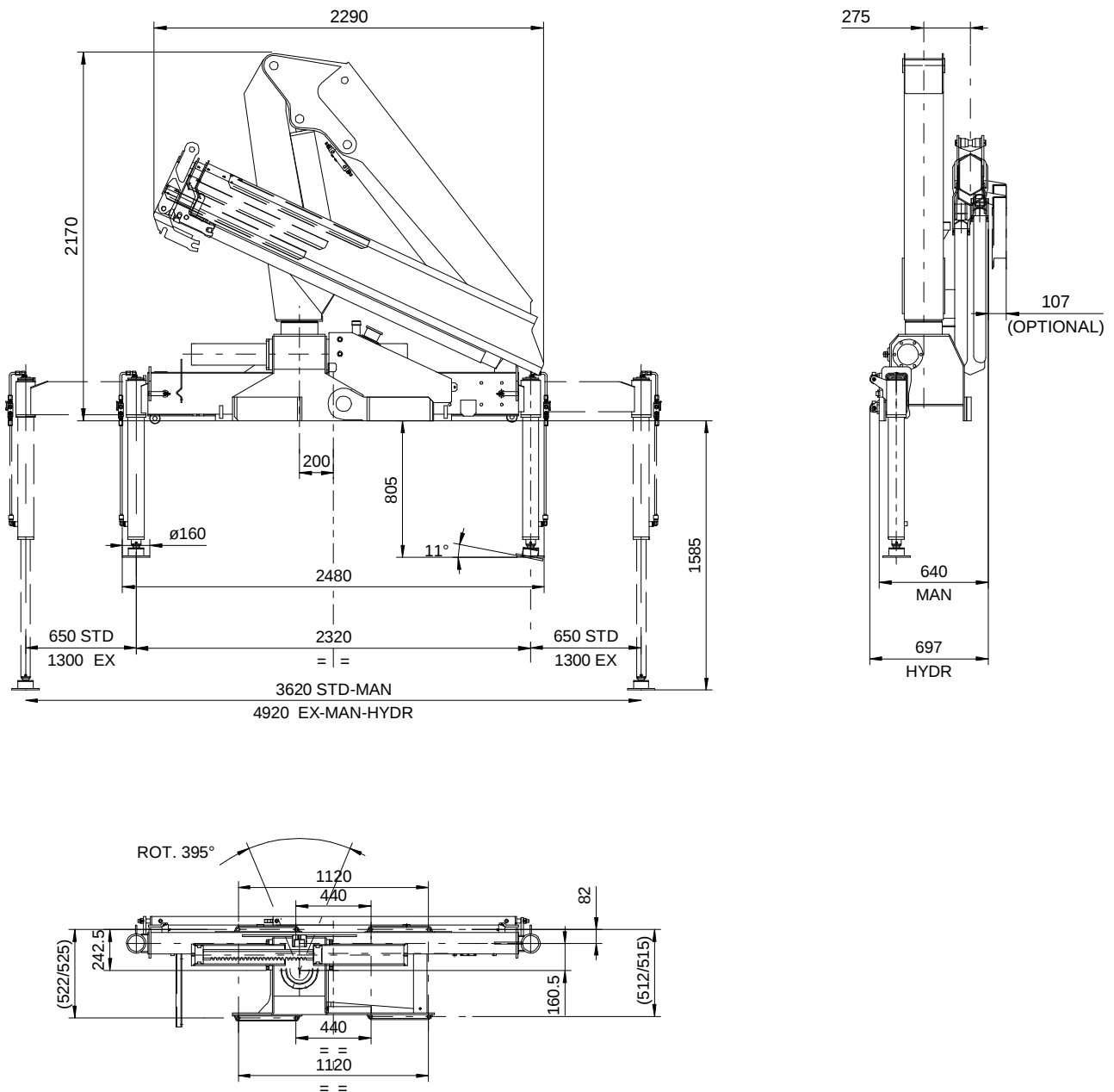
	H
1S	2460 mm
2S	2460 mm
3S	2330 mm
4S	2210 mm
5S	2100 mm

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

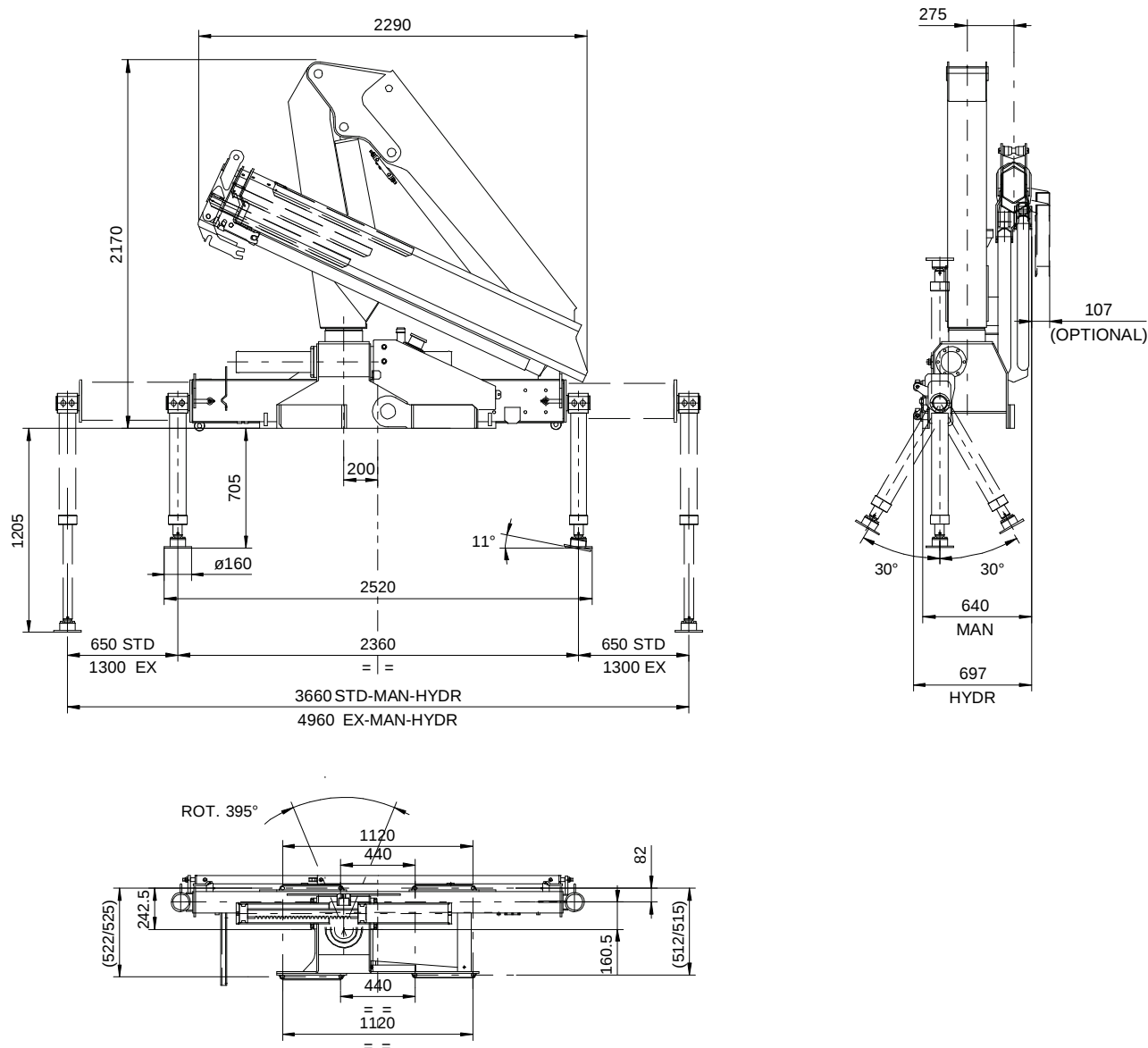


Tiranti di staffaggio Mounting rods	N°8 M20x1.5 39NiCrMo3
Viti fissaggio canna di rotazione Rotation cylinder fixing bolts	N°8 M14x50 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 80 Nm

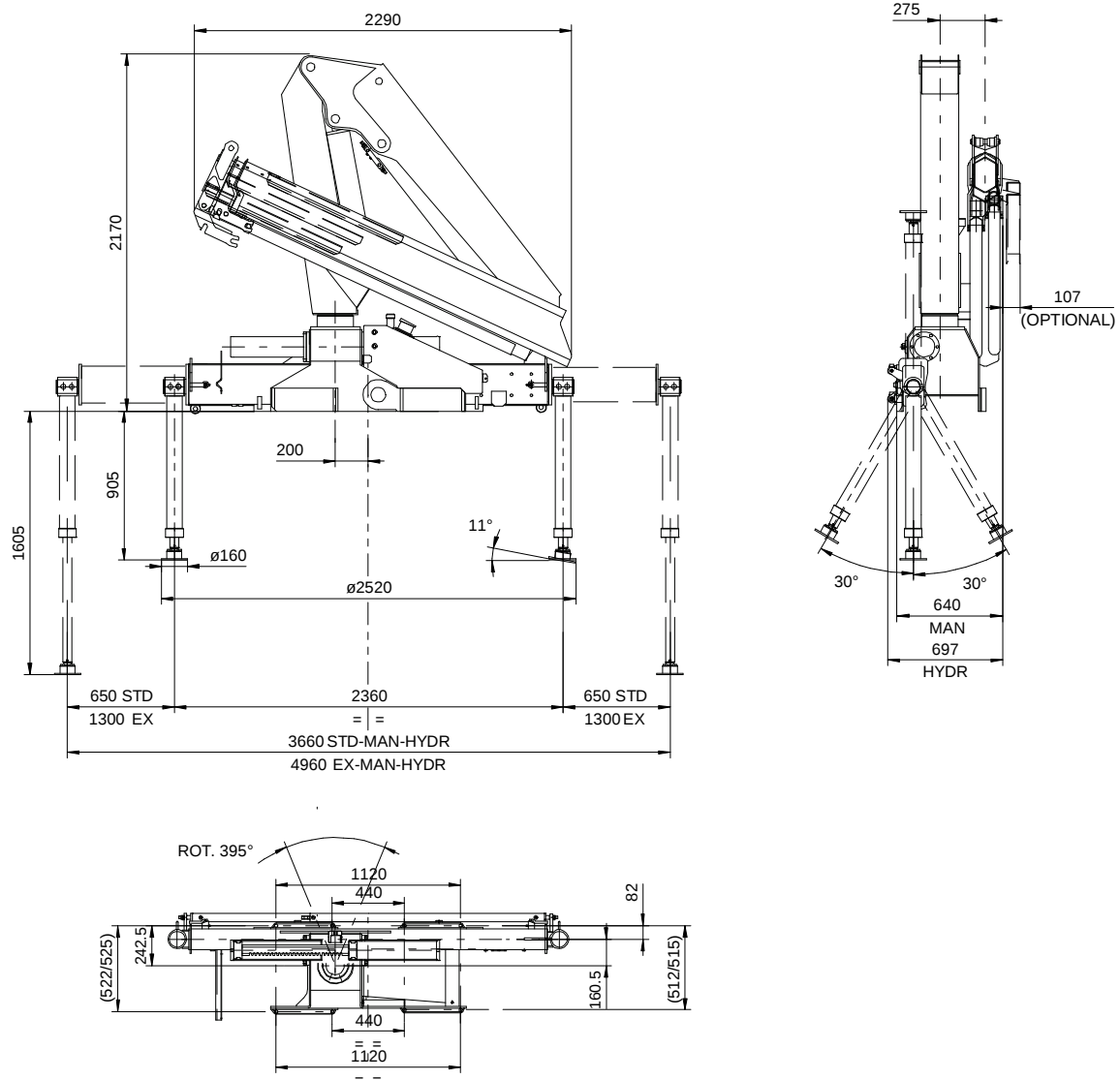
DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGH BASE DIMENSIONS WITH LONG STABILIZERS



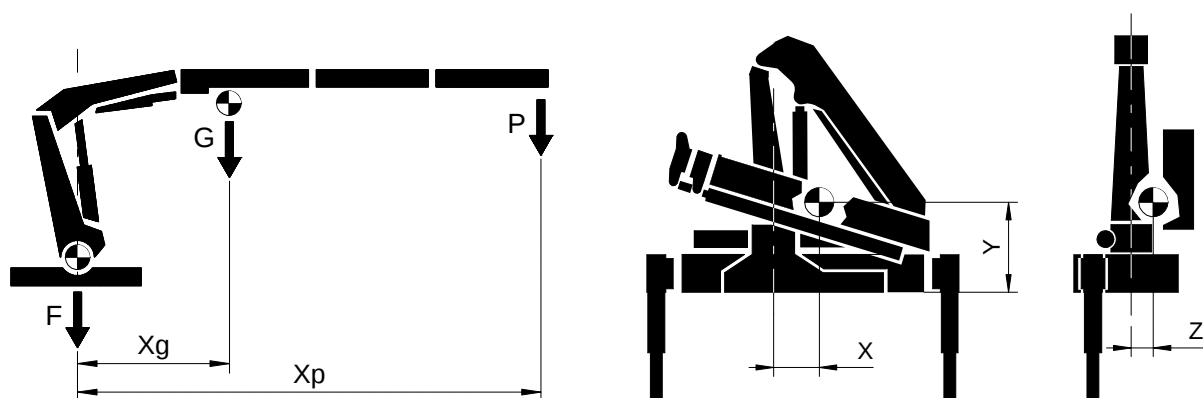
DIMENSIONI BASAMENTO CON CILINDRI STABILIZZATORI ROTANTI STD
BASE DIMENSIONS WITH TILTING STD CYLINDERS



TRAVERSA CON STABILIZZATORI GIREVOLI LUNGI CROSSBAR WITH LONG TILTING CYLINDER



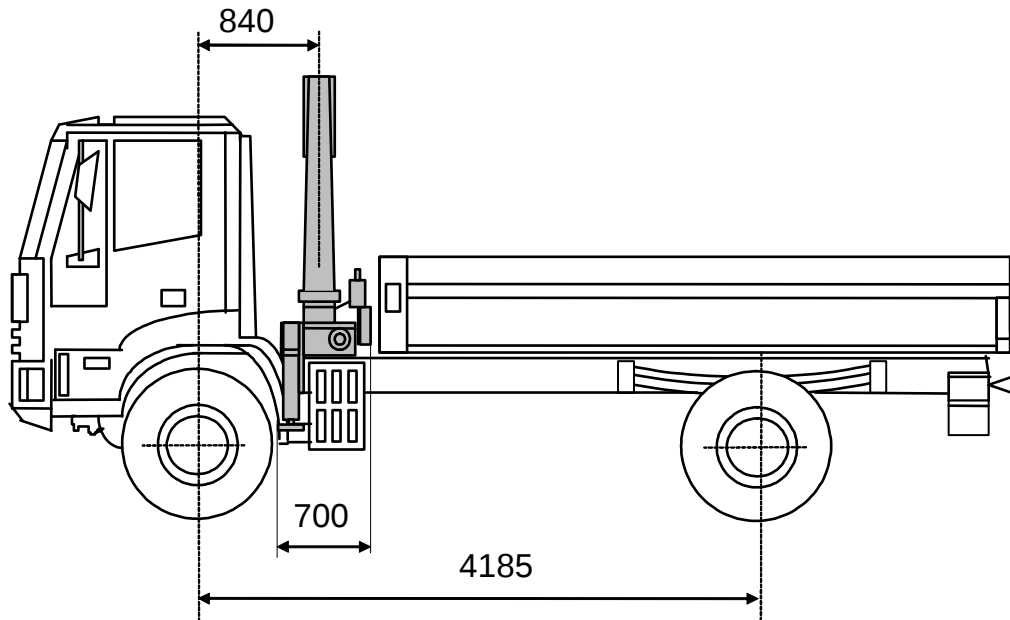
PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY



810		F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	(X,Y,Z) mm
1S		Std. man.: 750 kg Extra man.: 805 kg Extra hydr.: 850 kg	480	2.47	1590	5.94	1988	(265,655,30)
2S			585	3.25	1130	7.74	1413	(260,675,60)
3S			680	4.00	810	9.70	1028	(250,690,75)
4S			770	4.70	590	11.80	769	(235,705,90)
5S			840	5.40	435	13.75	588	(220,725,100)

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
 TL = carico per prova di stabilità
 X, Y, Z = coordinate baricentro (gru chiusa)

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
 TL = stability test load
 X, Y, Z = center of gravity coordinates (closed crane)

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS**PTT (GVW) = 130 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara asse anteriore = 2875 kg

Tara ammissibile asse anteriore = 4800 kg

Asse posteriore

Tara asse posteriore = 1375 kg

PESI ALLESTIMENTO

Peso cassone = 600 kg

Peso gru = 1690 kg (810 5S ST.EX.hydr.)

Peso controtelaio = 80 kg

CHASSIS DATA**Front axle**

Front axle tare weight = 2875 kg

Allowable front axle weight = 4800 kg

Rear axle

Rear axle tare weight = 1375 kg

OUTFIT WEIGHTS

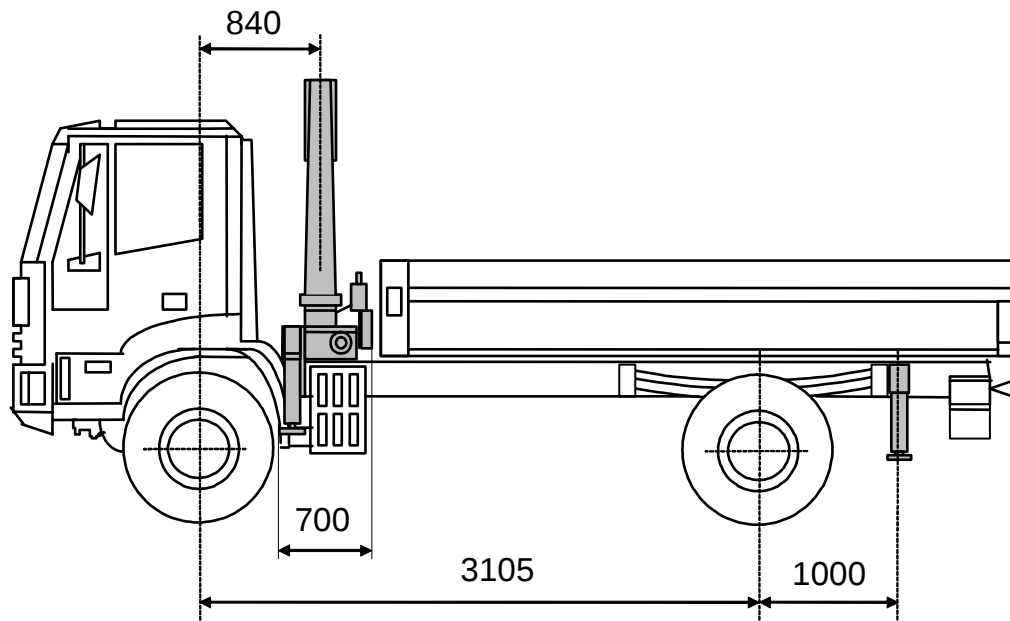
Body weight = 600 kg

Crane weight = 1690 kg (810 5S ST.EX.hydr.)

Counterframe weight = 80 kg

Coefficiente di stabilità = 1,32**Stability index = 1,32**

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 120 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2790 kg

Tara ammissibile asse anteriore = 4400 kg

Asse posteriore

Tara asse posteriore = 1180 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Massa gru = 1690 kg (810 5S ST.EX. ydr.)

Massa controtelaio = 120 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 130kg

Coefficiente di stabilità = 1,8

CHASSIS DATA

Front axle

Front axle tare weight = 2790 kg

Allowable front axle weight = 4400 kg

Rear axle

Rear axle tare weight = 1180 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 1690 kg (810 5S ST.EX. hydr.)

Counterframe weight = 120 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 130Kg

Stability index = 1,8

CONTROTELAIO MINIMO MIN COUNTERFRAME

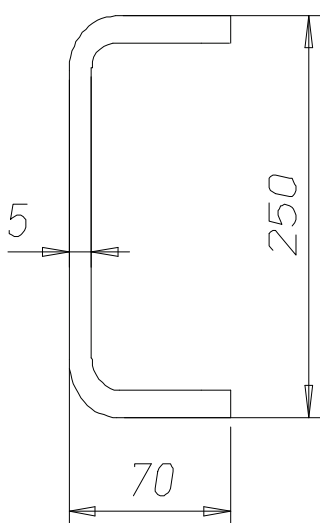
Momento dinamico max (daNm)

Max dynamic moment

13300

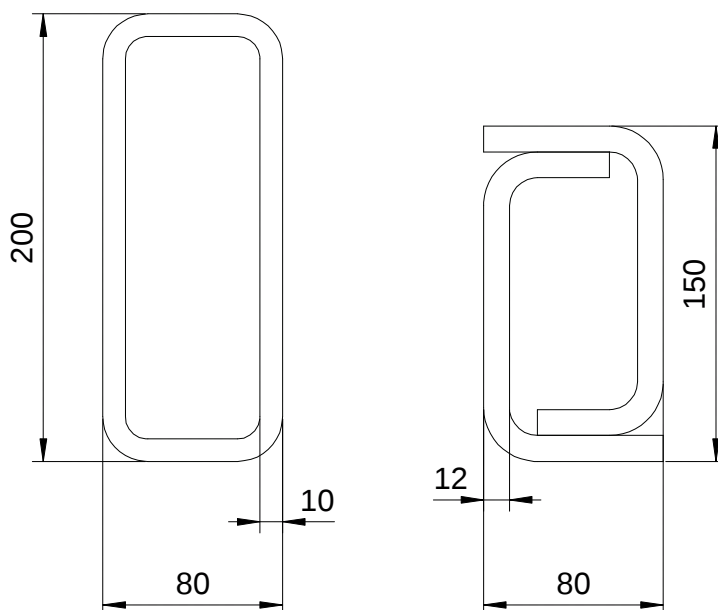
Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12 ton)



Sezione minima controtelaio (materiale Fe510 - S355)

Min counterframe section (steel S355)

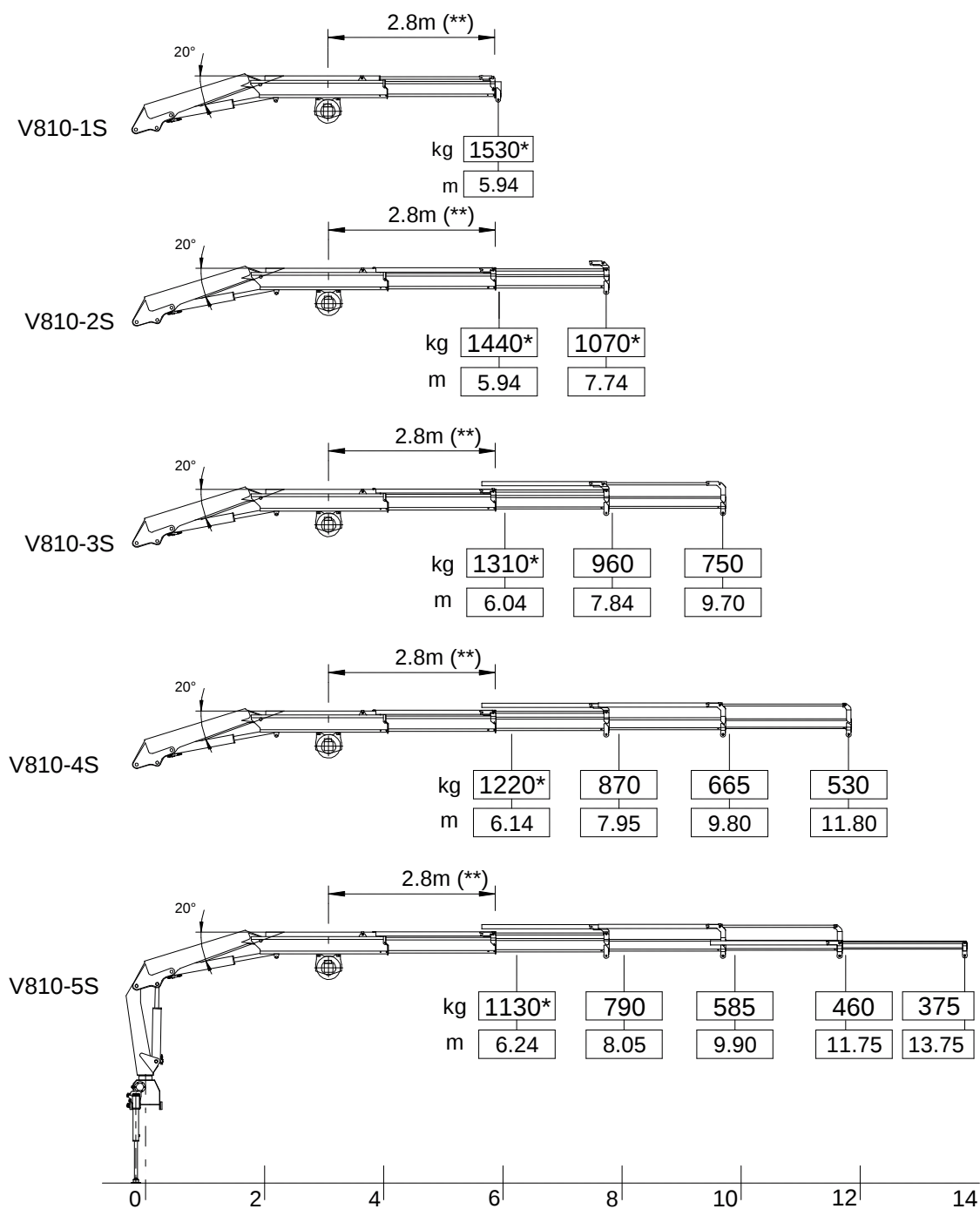


CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg)

Max winch direct pull (kg)

1000 kg



(*) = Puleggia argano con tiro doppio
(*) = Winch pulley with double line pull
(*) = Seilblock mit doppeltem Zug

(**) = Distanza minima di utilizzo argano
(**) = Min distance for using the winch
(**) = Min Abstand für Benutzung der Winde

CARATTERISTICHE ACCESSORI BENNA-POLIPO GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	350 kg
Pressione max. di esercizio Max working pressure	200 bar

