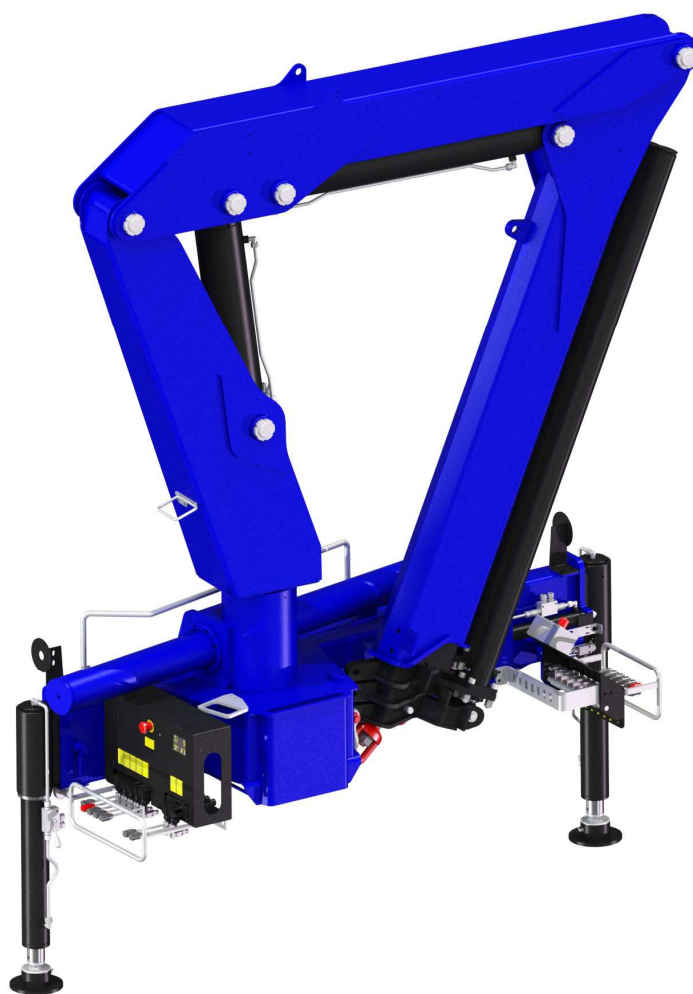


115

RACCOLTA TECNICA TECHNICAL BOOK



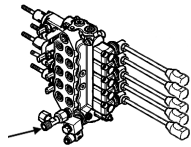
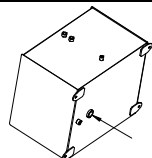
CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	17510
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	Versione	Q _{max}
Portata max (kg) Max load	1S	5950
	2S	5780
	3S	5650

	Versione	115 STD	115 HYD
Massa in ordine di lavoro (kg) Crane weight	1S	1610	1665
	2S	1725	1780
	3S	1830	1885

Reazione massima sullo stabilizzatore Max force on the stabilizer leg	7410 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	30 daN/cm ² (CE) 30 daN/cm ² (NO CE)
Pressione massima di esercizio Max working pressure	285 bar
Portata massima di olio Max oil flow	25 l/min
Capacità serbatoio olio Oil tank capacity	100 l
Coppia di rotazione Slewing moment	1310 daNm
Angolo di rotazione Slewing angle	380°
Potenza assorbita Absorbed power	15.5 kW 20.8 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 16 M24x1.5-16-16
Linea di aspirazione serbatoio Tank suction line		F1" BPS

DIMENSIONI DI INGOMBRO
DIMENSIONS
115

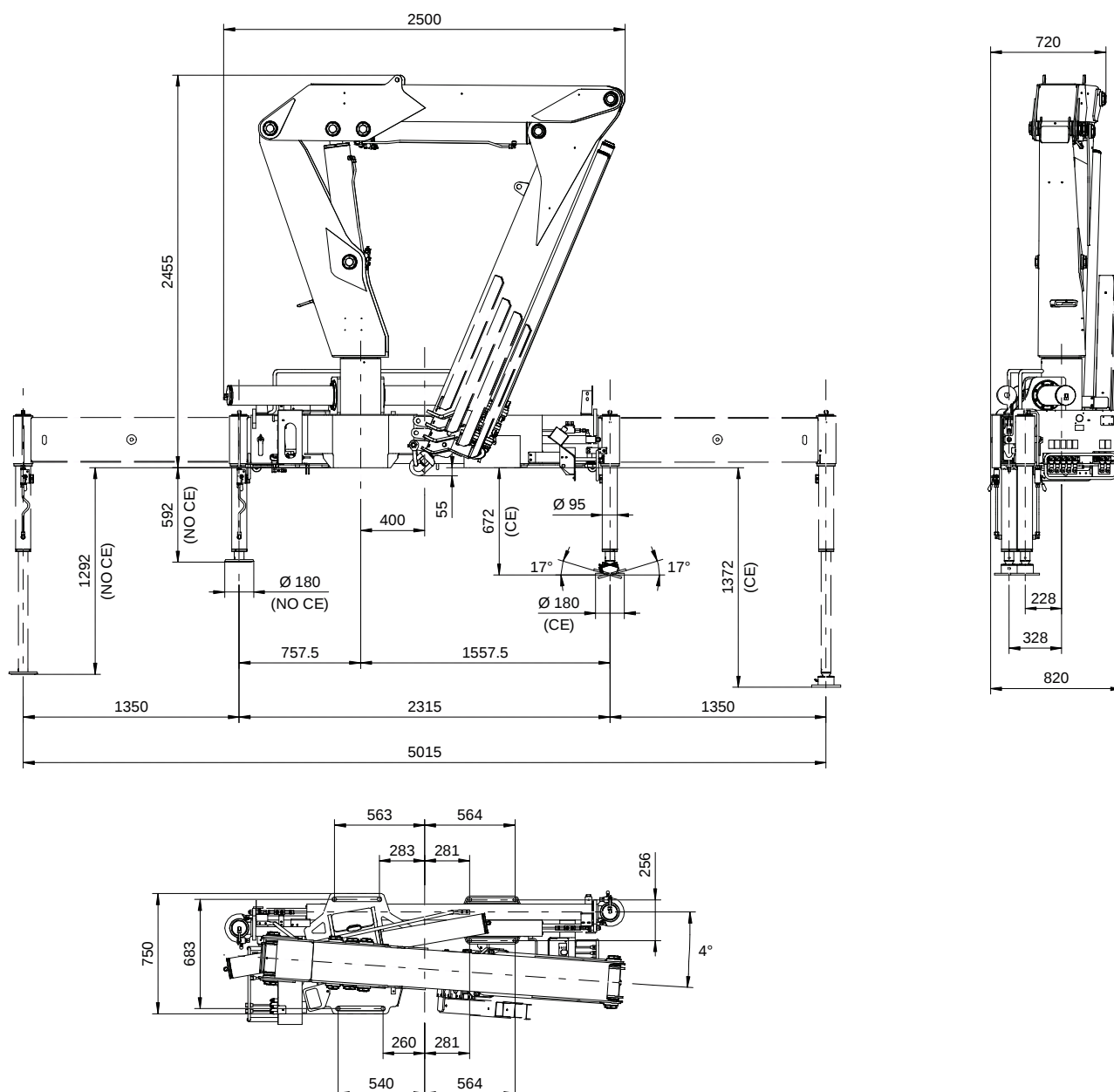


DIAGRAMMA PORTATE LOAD DIAGRAM 115 1S

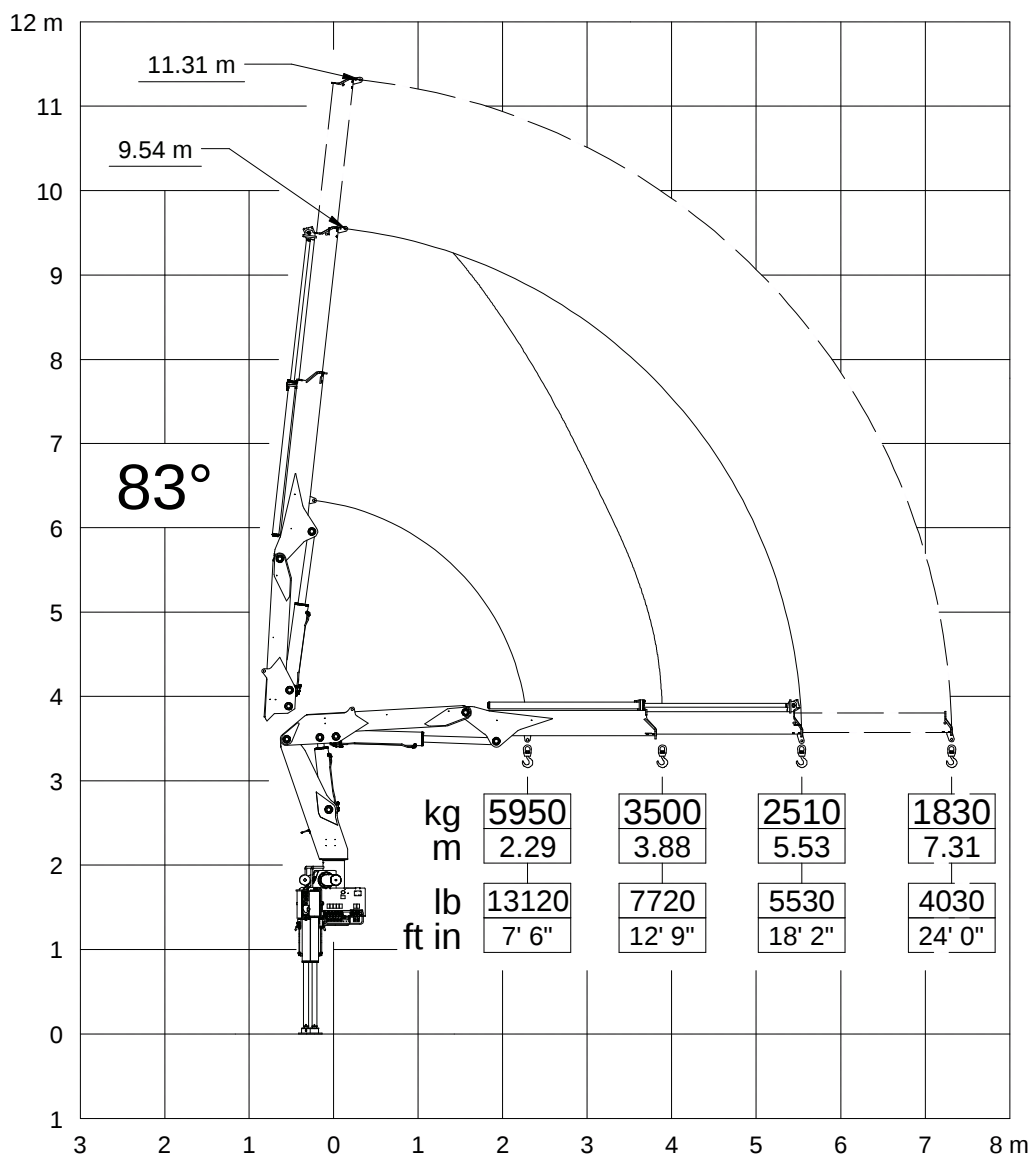


DIAGRAMMA PORTATE LOAD DIAGRAM 115 2S

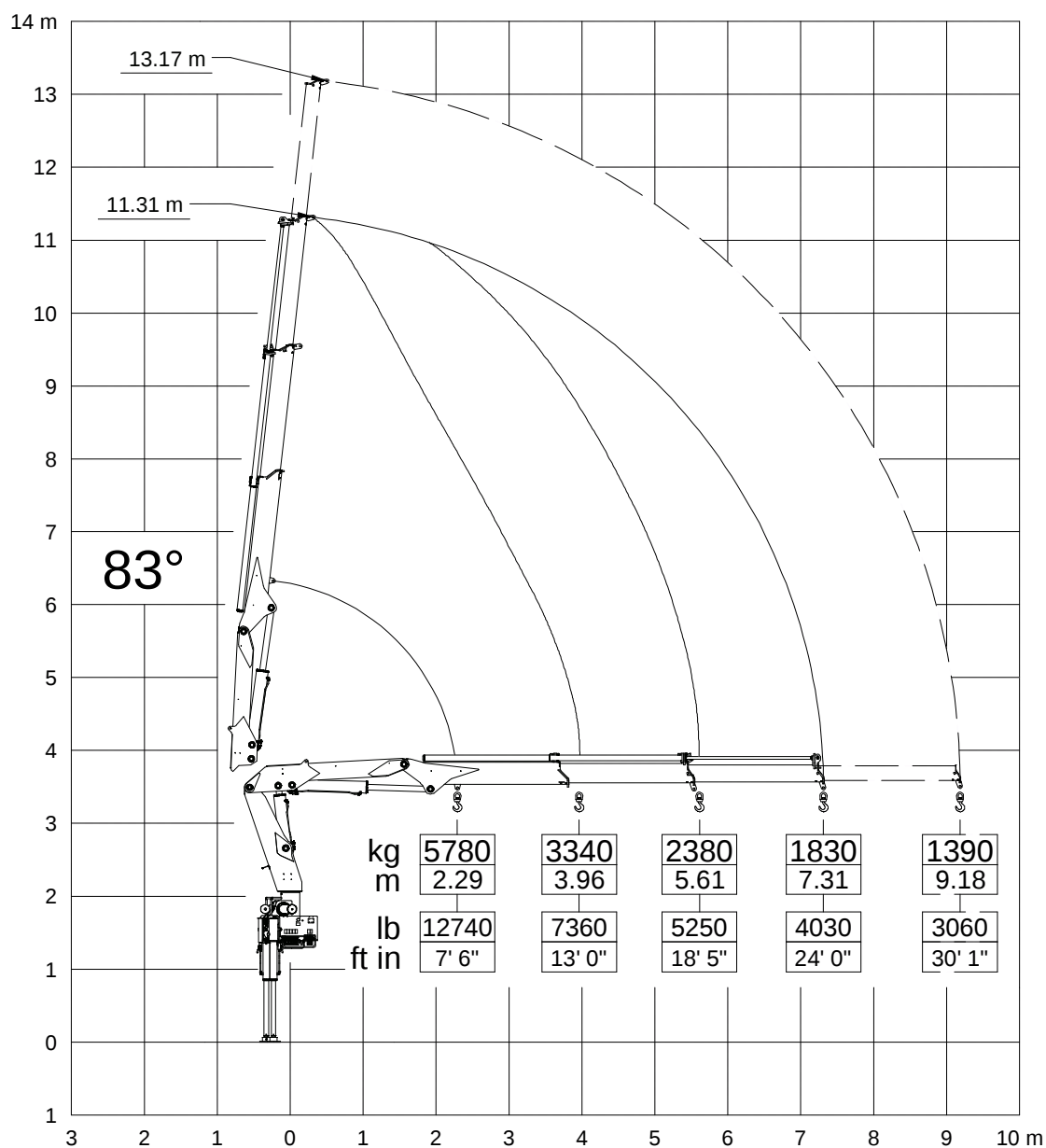
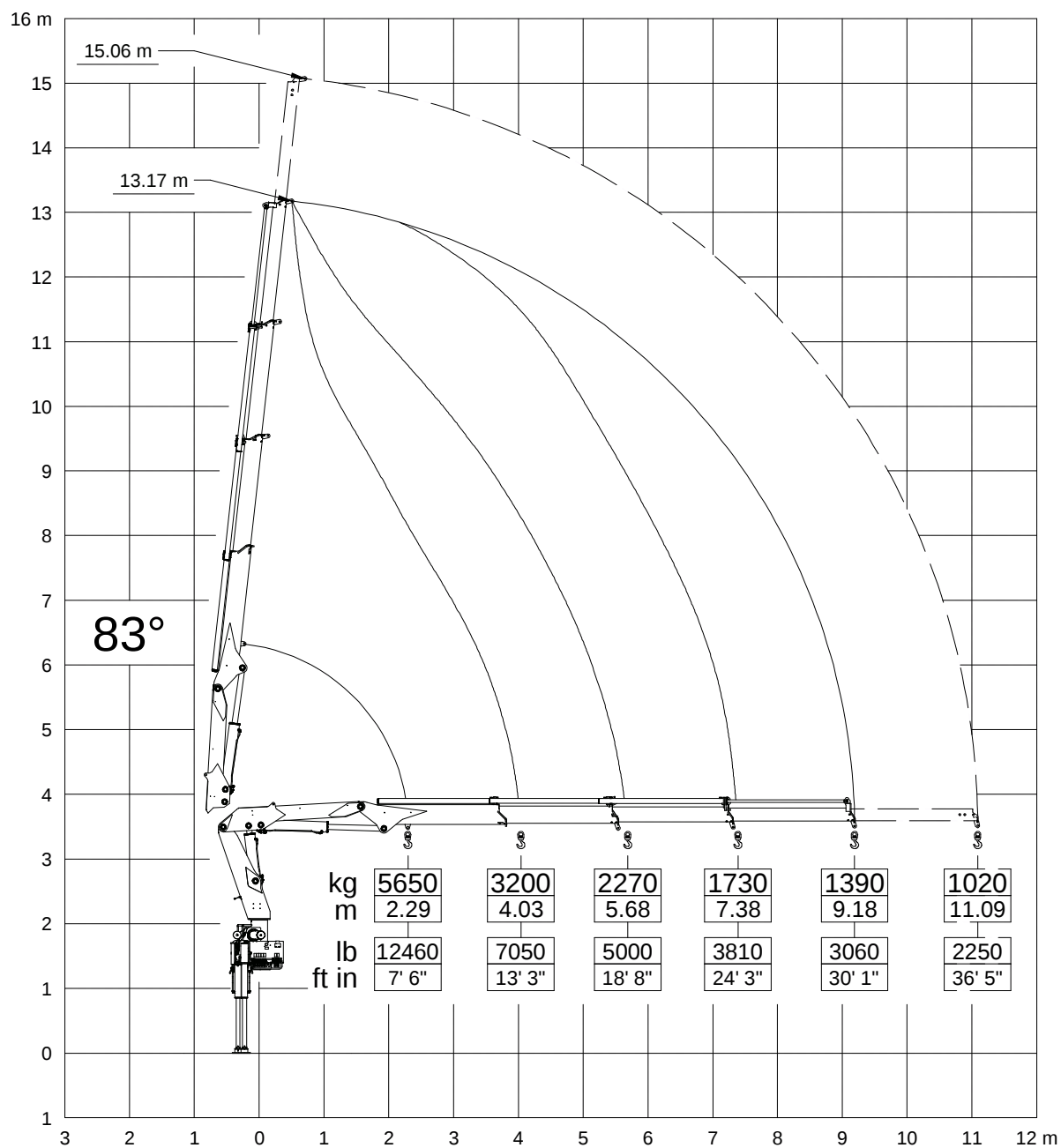
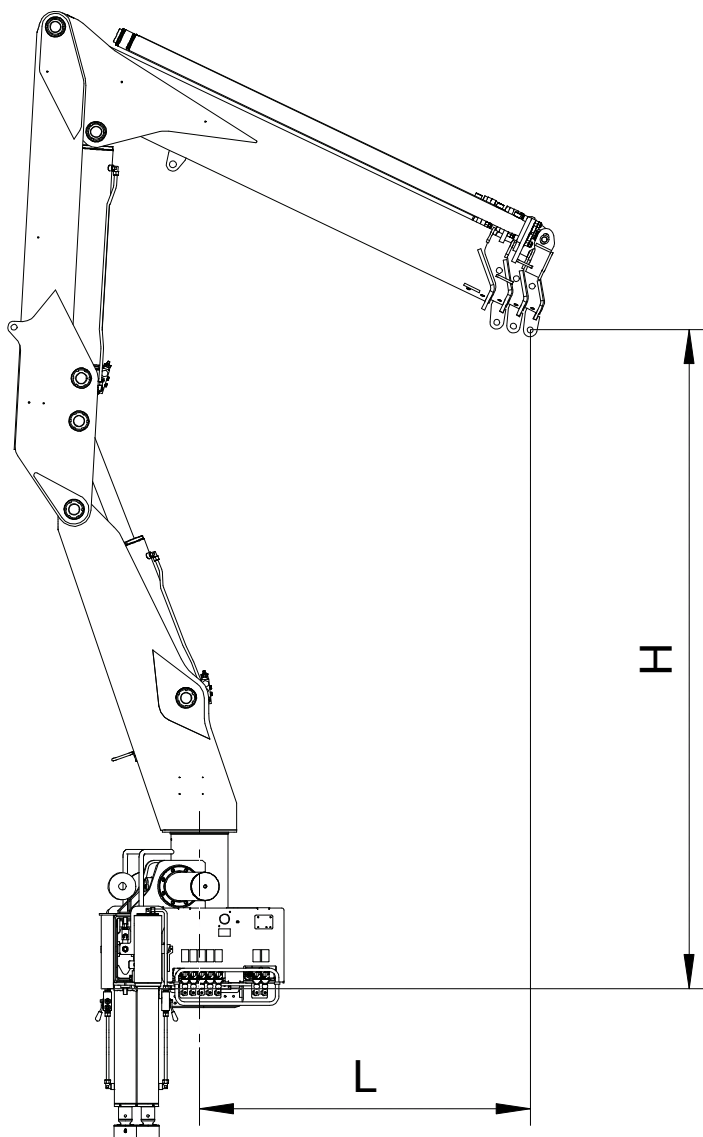


DIAGRAMMA PORTATE LOAD DIAGRAM 115 3S



ALTEZZA ATTACCO GANCIO HOOK HEIGHT



	L [mm]	H [mm]
1S	1315	2955
2S	1390	2935
3S	1465	2915

DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	140
Diametro esterno - <i>Cyl. ext. diameter</i>	160
Diametro stelo - <i>Rod diameter</i>	80 - 0
Interasse aperto - <i>Pitch (open)</i>	1315
Interasse chiuso - <i>Pitch (closed)</i>	803
Corsa - <i>Stroke</i>	512
Raccordi - <i>Fittings</i>	1/2" G
Ø perni articolazione - <i>Artic. pin Ø</i>	55
Materiale perno/i - <i>Pin steel</i>	C40

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	140
Diametro esterno - <i>Cyl. ext. diameter</i>	160
Diametro stelo - <i>Rod diameter</i>	80 - 0
Interasse aperto - <i>Pitch (open)</i>	1899
Interasse chiuso - <i>Pitch (closed)</i>	1095
Corsa - <i>Stroke</i>	804
Raccordi - <i>Fittings</i>	1/2" G
Ø perno fissaggio - <i>Fixing pin Ø</i>	55
Mat. perno/i - <i>Pin steel</i>	C40

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	70
Diametro esterno - <i>Cyl. ext. diameter</i>	80
Diametro stelo - <i>Rod diameter</i>	45 - 30
Interasse aperto - <i>Pitch (open)</i>	1809
Interasse chiuso - <i>Pitch (closed)</i>	159
Corsa - <i>Stroke</i>	1650
Raccordi - <i>Fittings</i>	1/2" G
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	C40

CILINDRO 2° SFILO 2ND 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>Pitch (open)</i>	1842.5
Interasse chiuso - <i>Pitch (closed)</i>	142.5
Corsa - <i>Stroke</i>	1700
Raccordi - <i>Fittings</i>	1/2" G
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	C40

CILINDRO 3° SFILO 3RD 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>Pitch (open)</i>	1890.5
Interasse chiuso - <i>Pitch (closed)</i>	90.5
Corsa - <i>Stroke</i>	1800
Raccordi - <i>Fittings</i>	1/2" G
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	C40

CILINDRO DI ROTAZIONE ROTATION CYLINDER

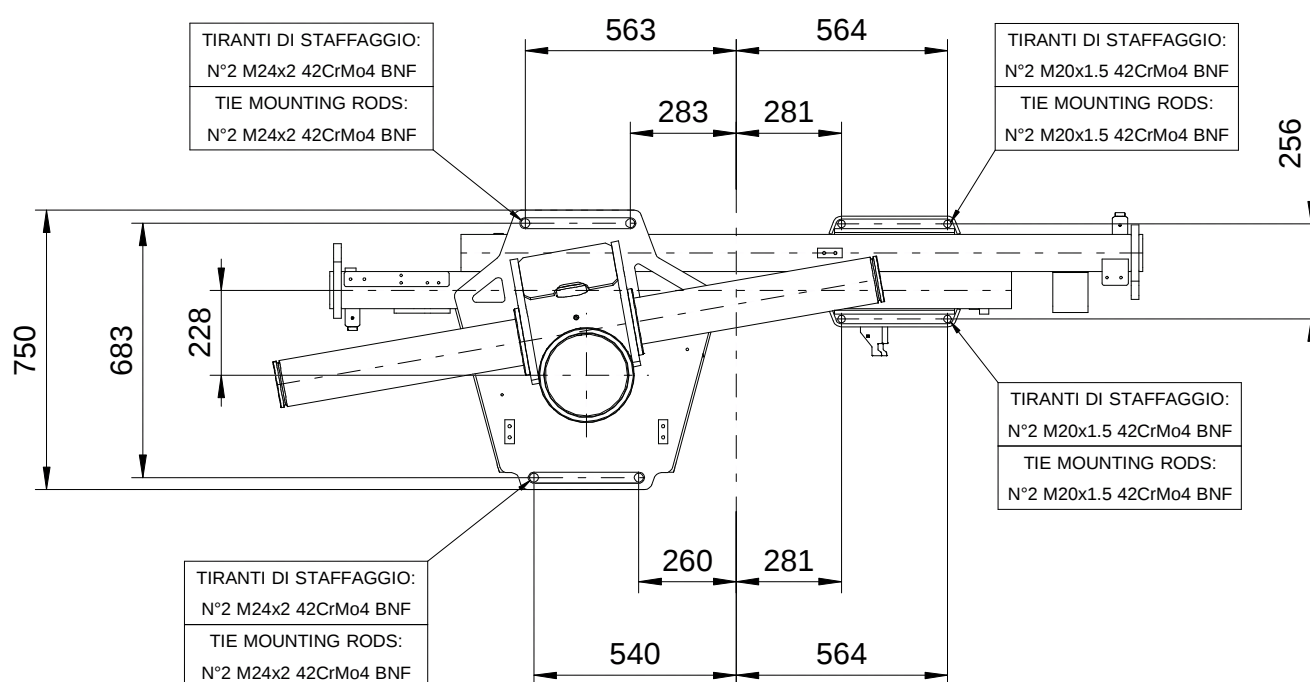
Alesaggio - <i>Cylinder bore</i>	110
Diametro esterno - <i>Cyl. ext. diameter</i>	125
Diametro stelo - <i>Rod diameter</i>	-
Interasse aperto - <i>Pitch (open)</i>	-
Interasse chiuso - <i>Pitch (closed)</i>	-
Corsa - <i>Stroke</i>	636
Raccordi - <i>Fittings</i>	-
Ø perno fissaggio - <i>Fixing pin Ø</i>	-
Mat. perno/i - <i>Pin steel</i>	-

CILINDRO STABILIZZATORE STABILIZER CYLINDER

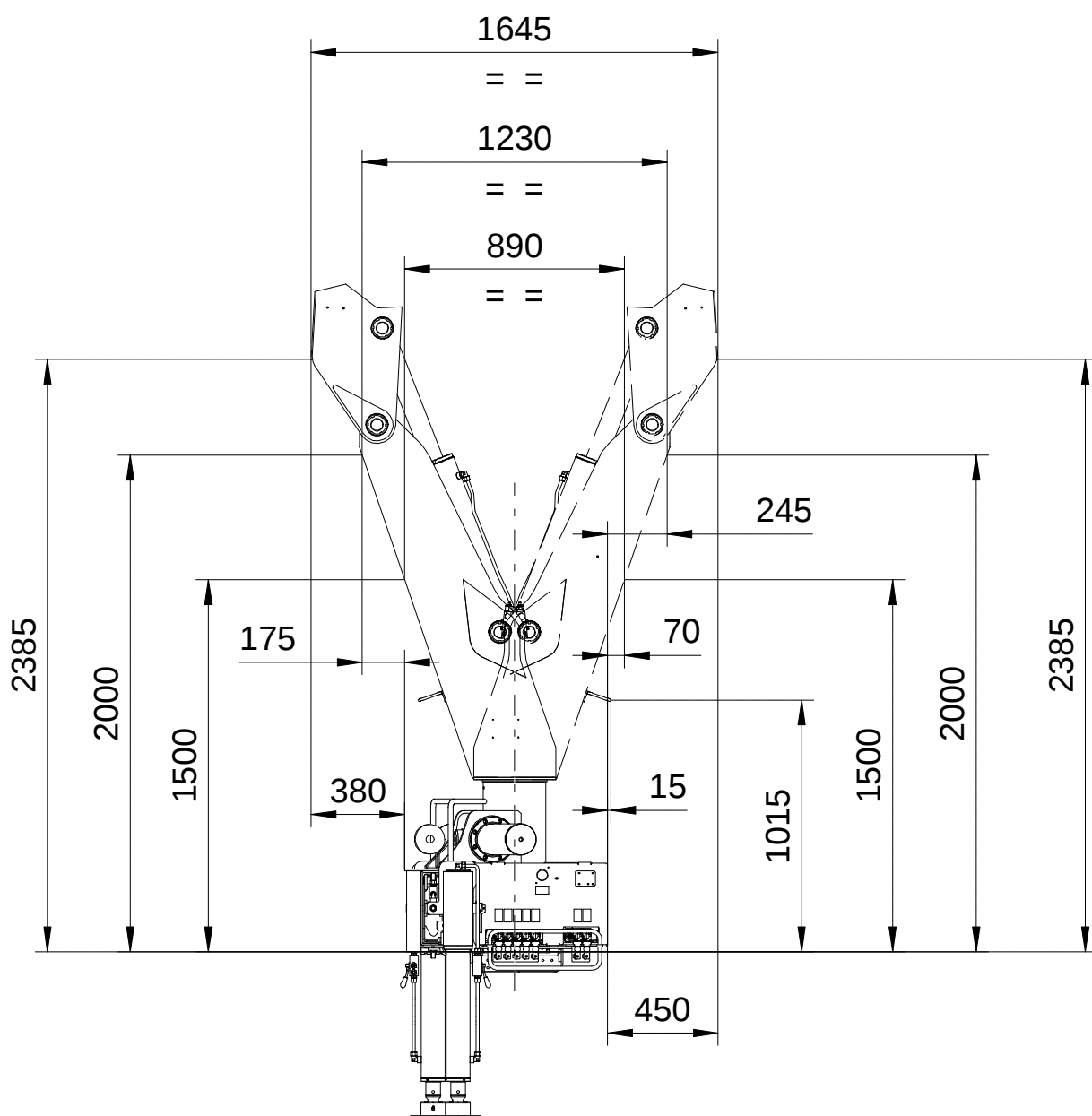
Alesaggio - <i>Cylinder bore</i>	80
Diametro esterno - <i>Cyl. ext. diameter</i>	95
Diametro stelo - <i>Rod diameter</i>	60 - 0
Interasse aperto - <i>Pitch (open)</i>	1303
Interasse chiuso - <i>Pitch (closed)</i>	603
Corsa - <i>Stroke</i>	700
Raccordi - <i>Fittings</i>	3/8" G
Ø perni articolazione - <i>Artic. pin Ø</i>	-
Materiale perno/i - <i>Pin steel</i>	-

DIMENSIONI BASAMENTO, TIRANTI E VITI ROTAZIONE

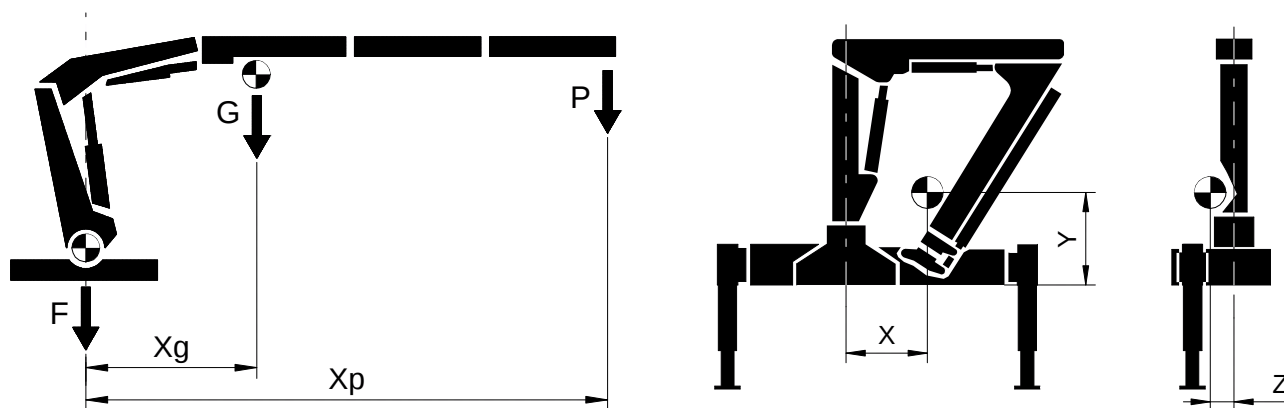
BASE DIMENSIONS, TIE RODS & ROTATION SCREWS



Tiranti di staffaggio Tie mounting rods	N°4 M24x2 42CrMo4 BNF N°4 M20x1.5 42CrMo4 BNF
Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°8 M14x35 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 80 Nm

INGOMBRO IN ROTAZIONE
ROTATION RADIUS

PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY

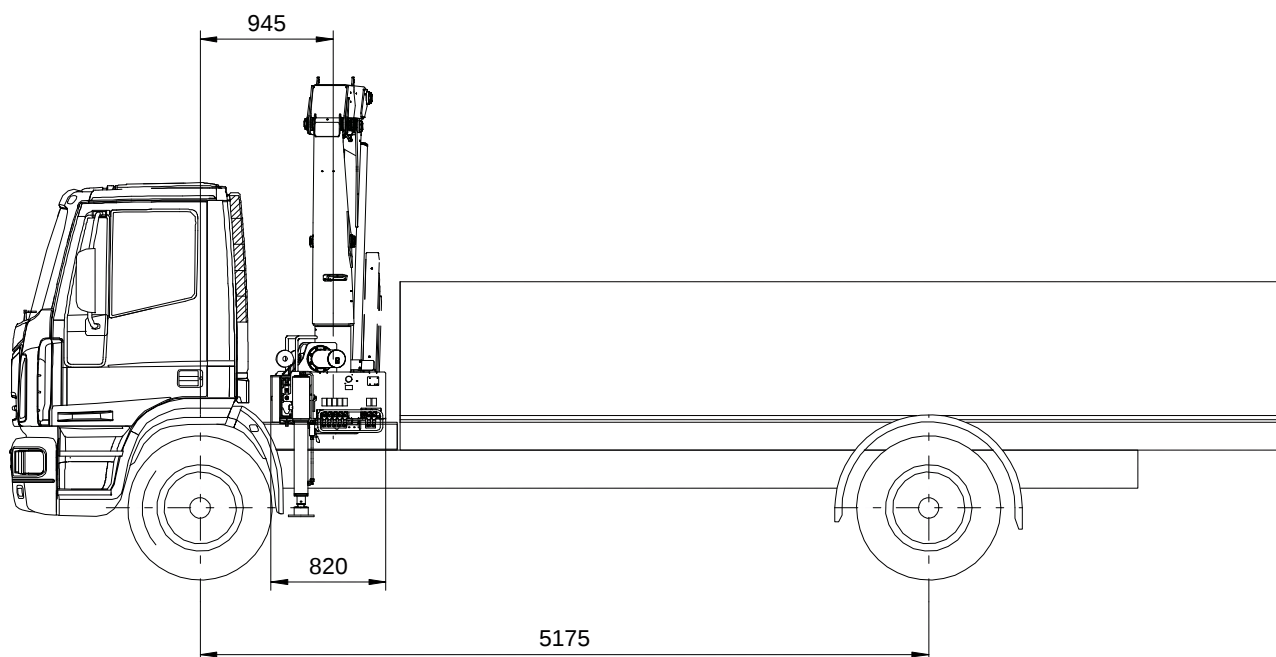


115	F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	X [mm]	Y [mm]	Z [mm]
1S	STD: 1085 HYD: 1140	525	1.90	2510	5.53	3140	365	935	70
2S		640	2.60	1830	7.31	2290	405	940	60
3S		745	3.30	1390	9.18	1740	435	945	50

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) = 180 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 3550 kg

Tara ammissibile asse anteriore = 7100 kg

Asse posteriore

Tara asse posteriore = 1970 kg

PESI ALLESTIMENTO

Peso cassone = 600 kg

Peso gru = 1885 kg (115-3S HYD)

Peso controtelaio = 75 kg

CHASSIS DATA

Front axle

Front axle tare weight = 3550 kg

Allowable front axle weight = 7100 kg

Rear axle

Rear axle tare weight = 1970 kg

OUTFIT WEIGHTS

Body weight = 600 kg

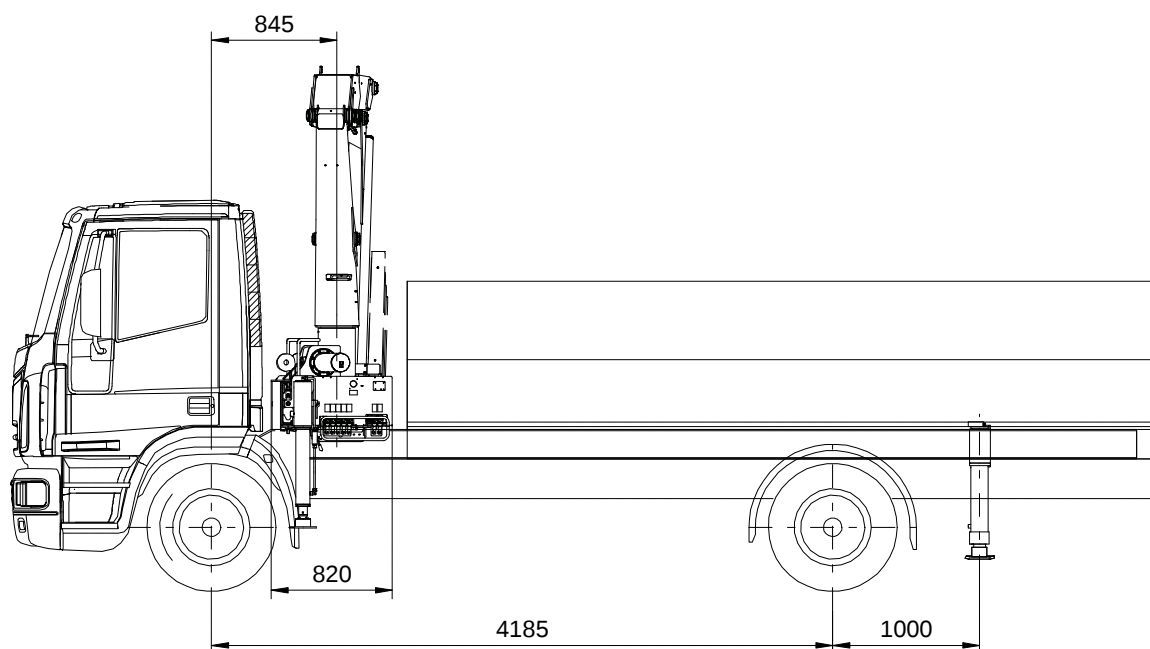
Crane weight = 1885 kg (115-3S HYD)

Counterframe weight = 75 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 = 2625 kg

Carico ammissibile asse anteriore = 4480 kg

Asse posteriore

Tara asse posteriore = 1245 kg

CHASSIS DATA

Front axle

Front axle tare weight = 2625 kg

Allowable front axle weight = 4480 kg

Rear axle

Rear axle tare weight = 1245 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Peso gru = 1885 kg (115-3S HYD)

Massa controtelaio = 445 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 1885 kg (115-3S HYD)

Counterframe weight = 445 kg

Stabilizzatori supplementari

Apertura minima = 3300 mm

Peso stabilizzatori supplementari = 230 kg

Rear beam stabilizers

Min. width = 3300 mm

Rear stabilizer weight = 230 kg

Coefficiente di stabilità = 1,32

Stability index = 1,32

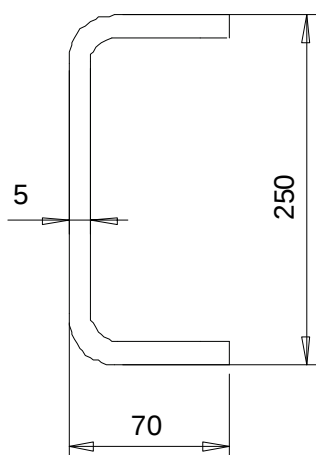
CONTROTELAIO MINIMO
MIN COUNTERFRAME**Momento dinamico max (daNm)**

17510

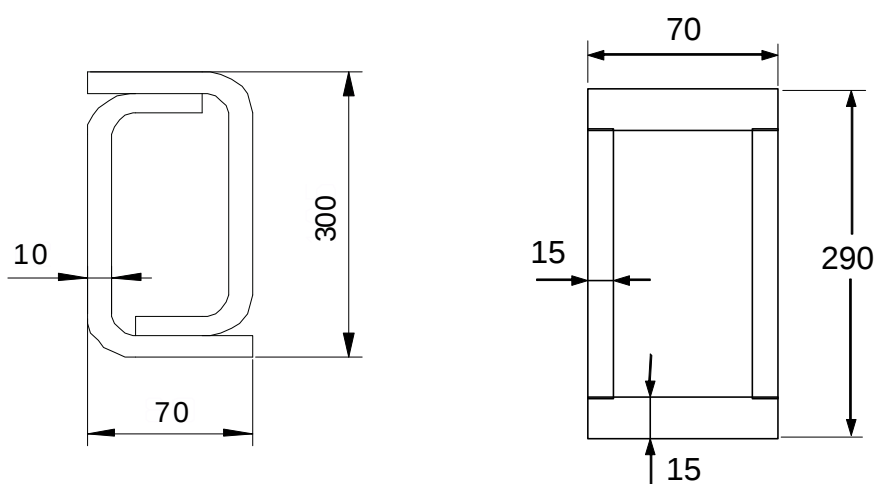
Max dynamic moment

Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12 ton)

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

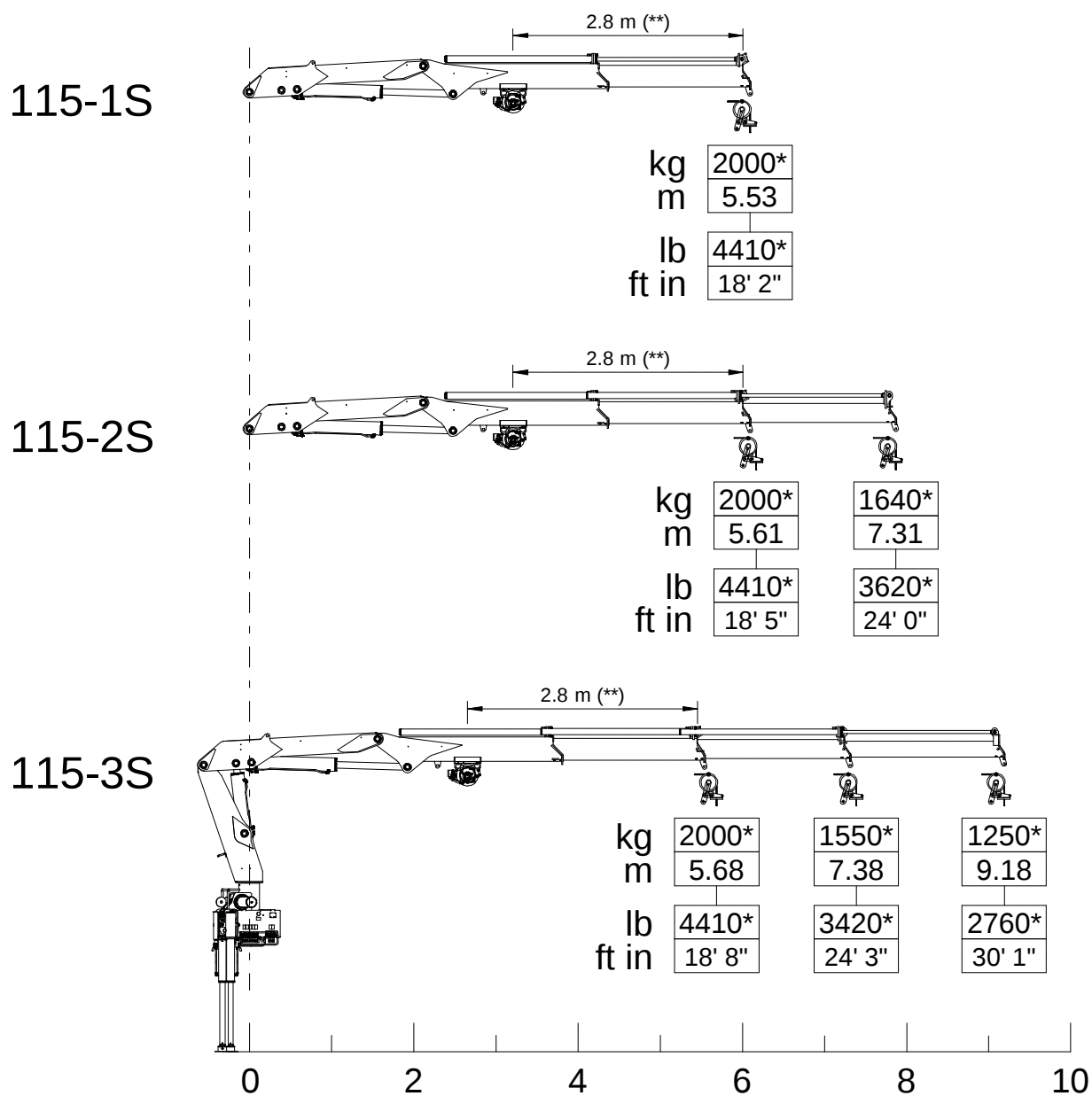
Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg)
Max winch direct pull (kg)

1000 kg



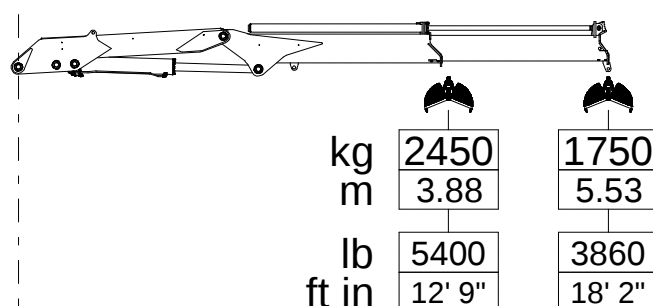
(*) = Puleggia argano con tiro doppio
(*) = Winch pulley with double line pull

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

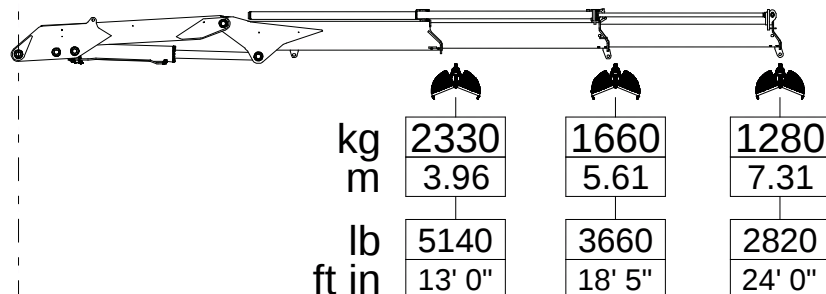
CARATTERISTICHE ACCESSORI BENNA-POLIPO GRAB - BUCKET DATA

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

115-1S



115-2S



115-3S

