

103

RACCOLTA TECNICA TECHNICAL BOOK



CARATTERISTICHE GENERALI
TECHNICAL DATA

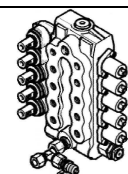
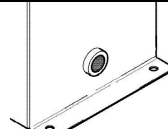
Momento dinamico max (daNm) Max dynamic moment	3210
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	Versione	Q _{max}
Portata max (kg) Max load	2S	850
	3S	800

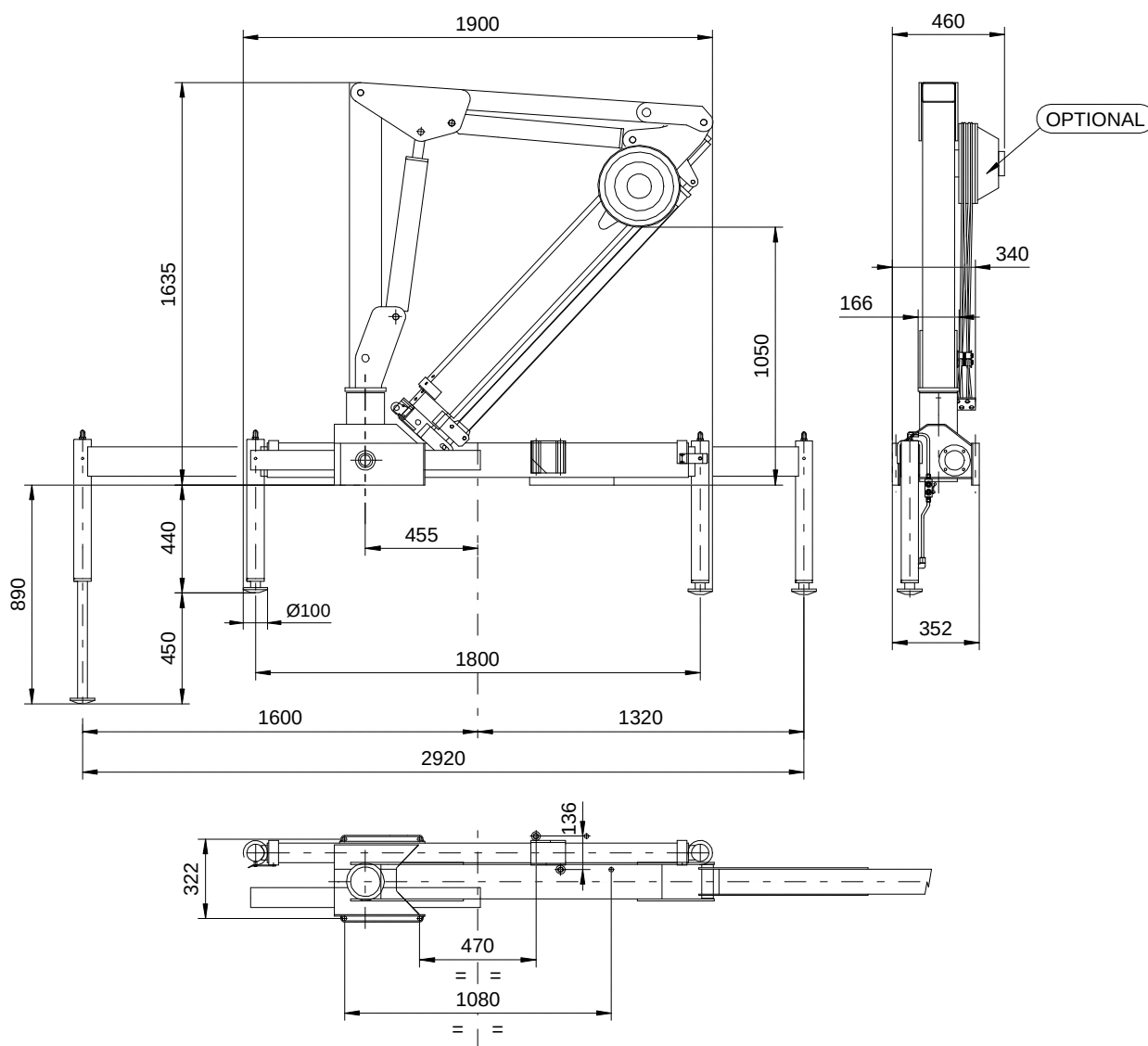
	Versione	103
Massa in ordine di lavoro (kg) Crane weight	2S	435
	3S	465

Peso tiranti di fissaggio (optional) [kg] Weight of mounting bolts (optional) [kg]	15
Peso del serbatoio dell'olio (sciolto in dotazione) [kg] Weight of oil tank (loose supplied) [kg]	10

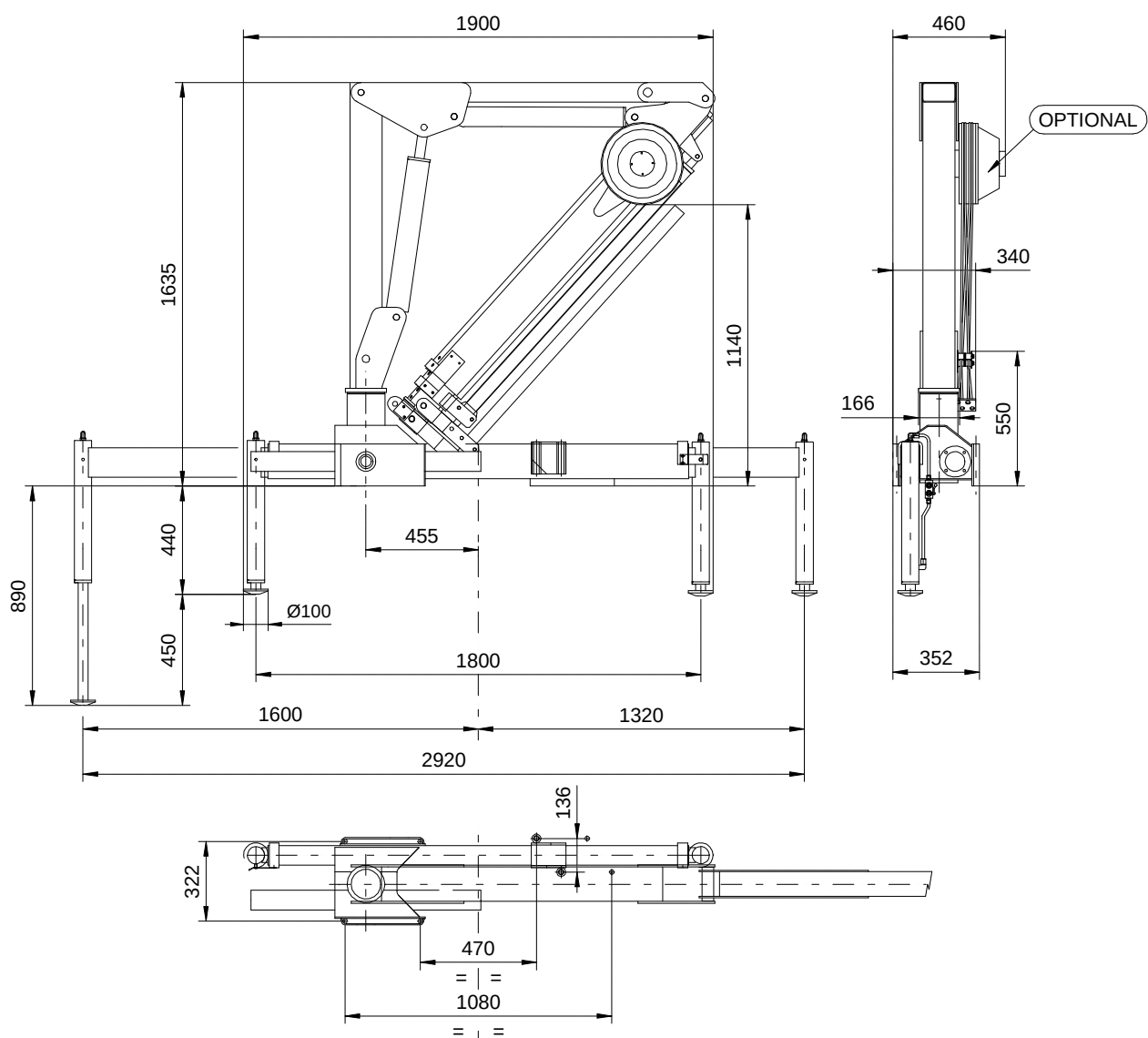
Reazione massima sullo stabilizzatore Max force on the stabilizer leg	2200 daN
Carico massimo trasmesso al suolo da stabilizzatori standard NO CE Ø100 Max standard stabilizer pressure on the ground NO CE Ø100	28.0 daN/cm ²
Carico massimo trasmesso al suolo da stabilizzatori standard CE Ø110 Max standard stabilizer pressure on the ground CE Ø110	23.2 daN/cm ²
Pressione massima di esercizio Max working pressure	205 bar
Portata massima di olio Max oil flow	10 l/min
Capacità serbatoio olio Oil tank capacity	17.5 l
Coppia di rotazione Slewing moment	390 daNm
Angolo di rotazione Slewing angle	370°
Potenza assorbita Absorbed power	3.7 kW 4.9 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 LI 16X1.5-10-10
Linea di aspirazione serbatoio Tank suction line		F1/2" BSP

DIMENSIONI DI INGOMBRO (STABILIZZATORI NO CE)
OVERALL DIMENSIONS (NO CE STABILIZERS)
103 2S



DIMENSIONI DI INGOMBRO (STABILIZZATORI NO CE) OVERALL DIMENSIONS (NO CE STABILIZERS) 103 3S



DIMENSIONI DI INGOMBRO (STABILIZZATORI CE)

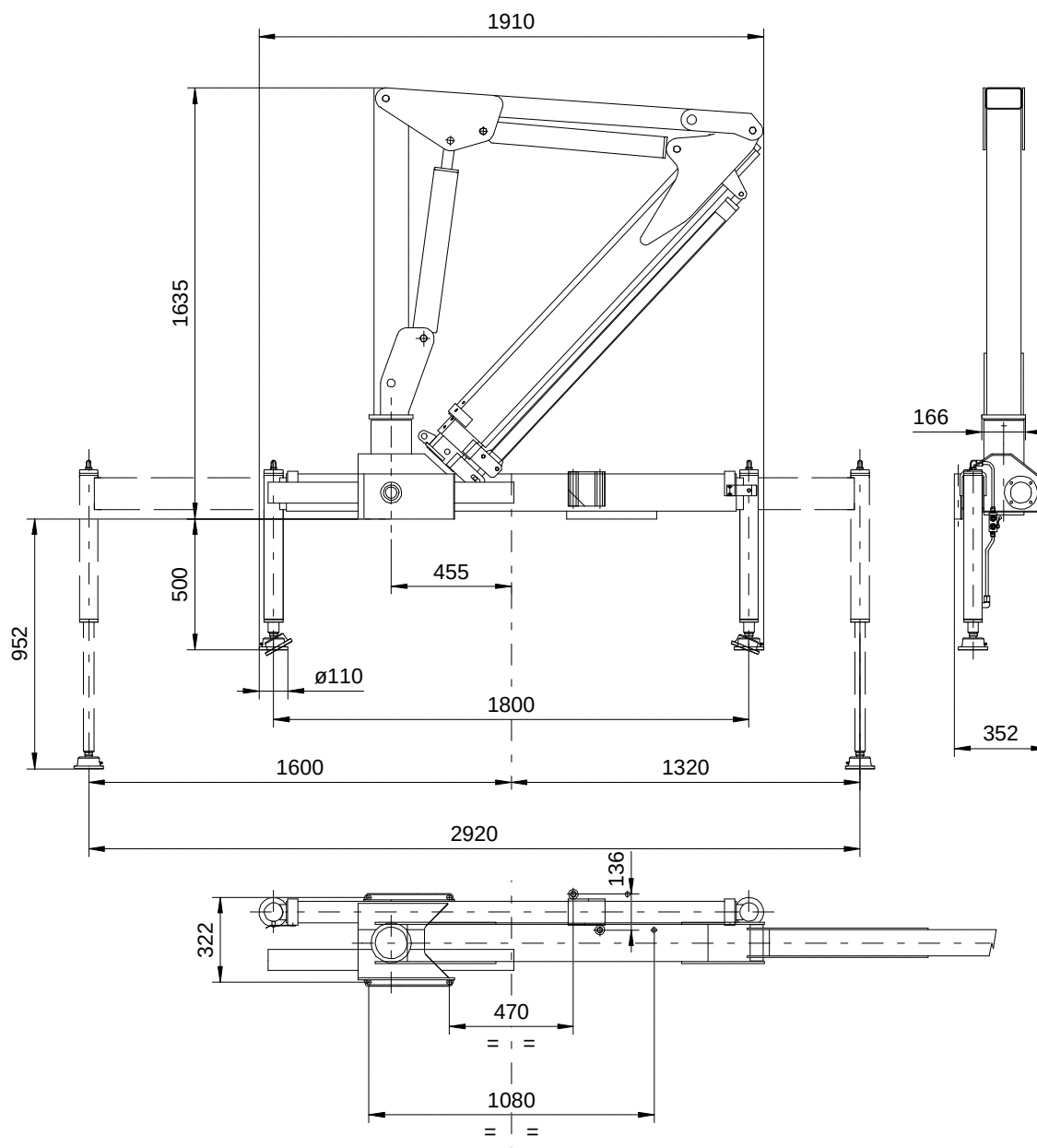


DIAGRAMMA PORTATE LOAD DIAGRAM 103 2S

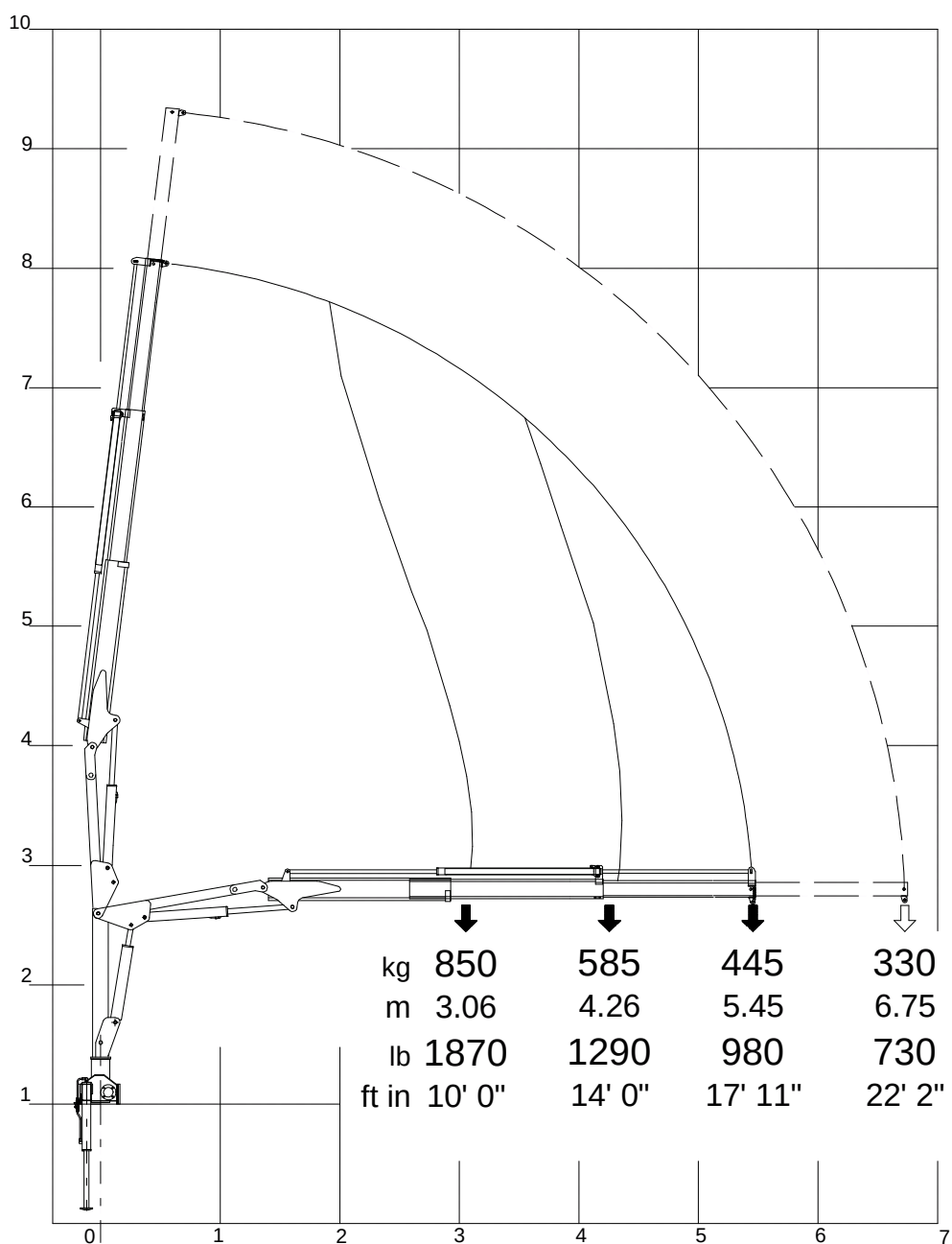
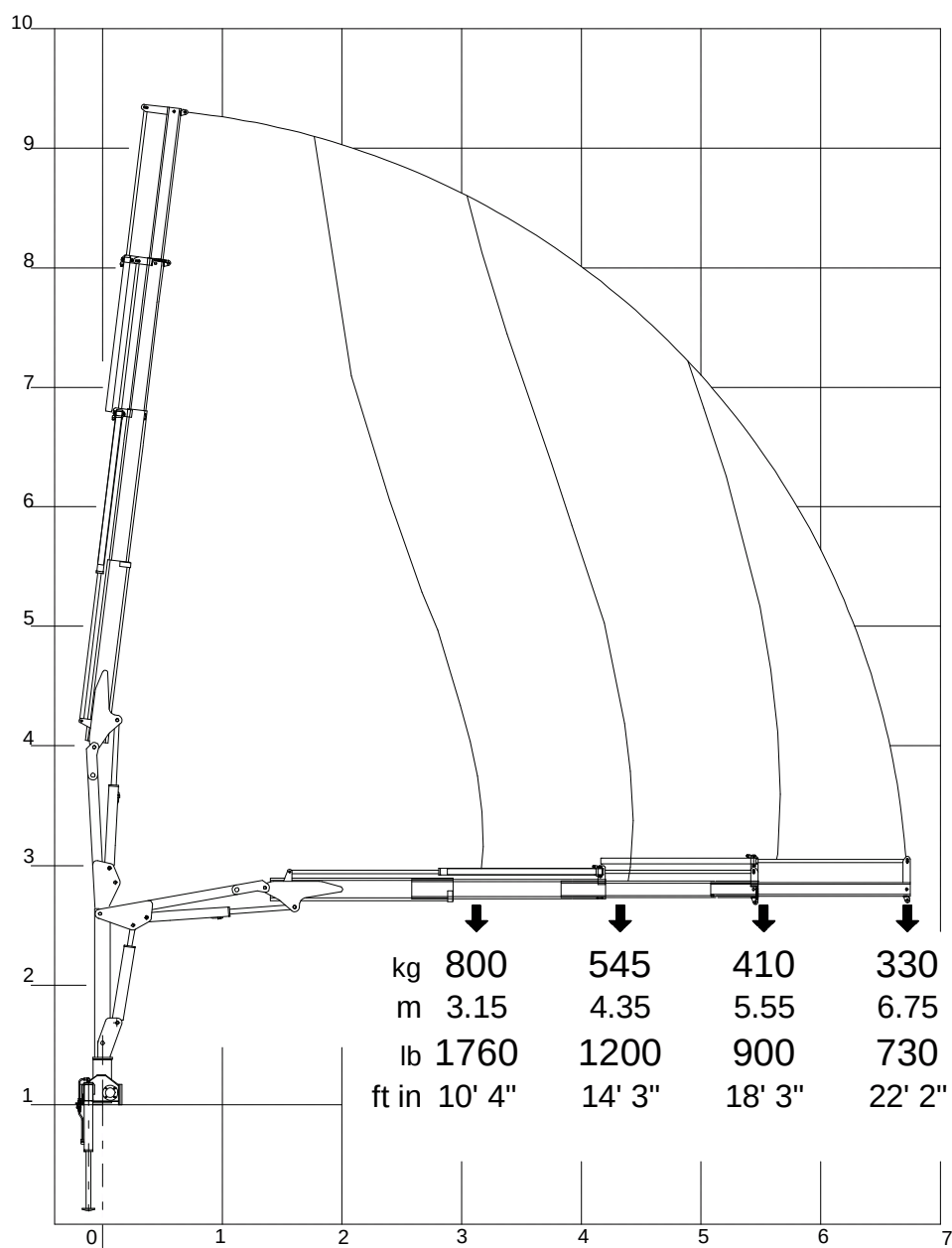
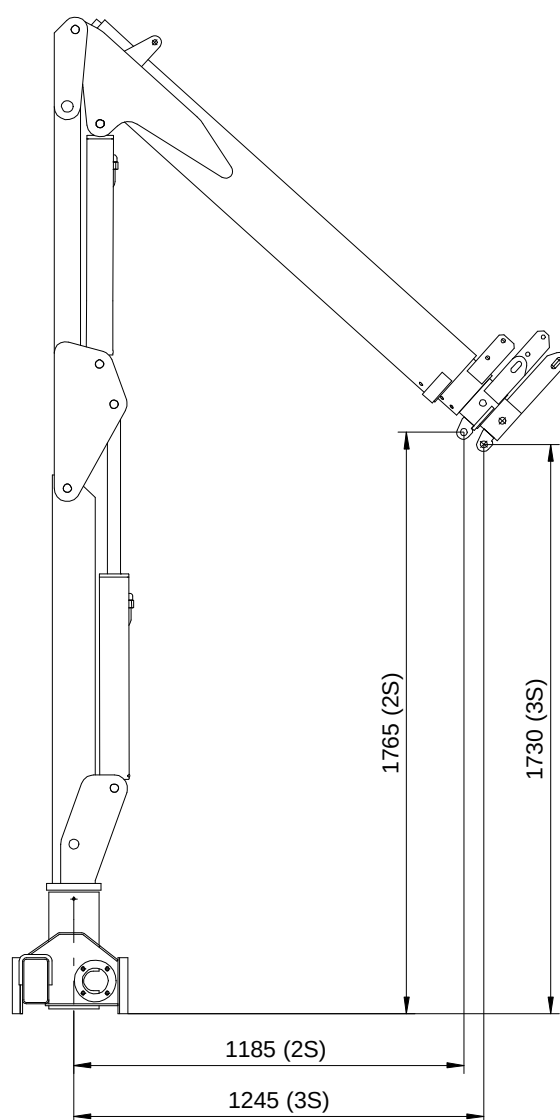


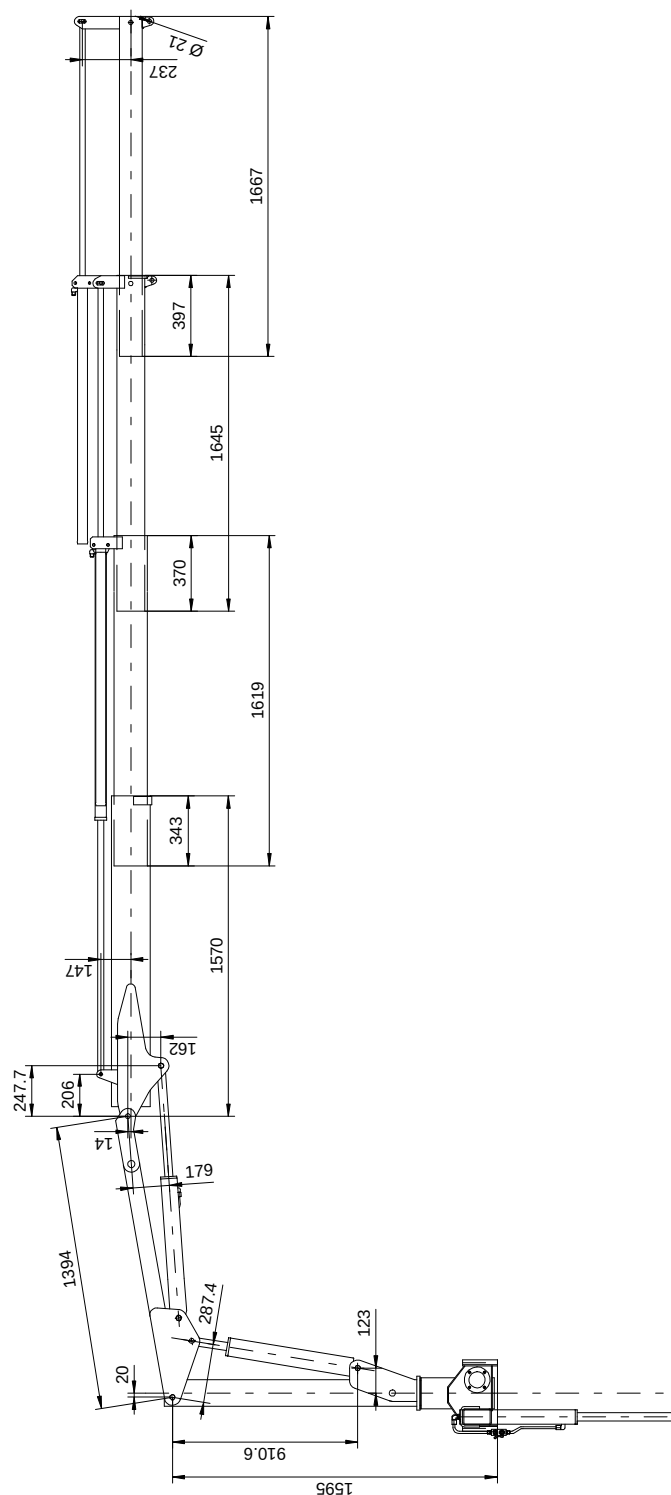
DIAGRAMMA PORTATE LOAD DIAGRAM 103 3S



ALTEZZA ATTACCO GANCIO HOOK HEIGHT



DIMENSIONALE COLONNA E BRACCI COLUMN - BOOM - DIMENSIONS



DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - Cylinder bore	80
Diametro esterno - Cyl. ext. diameter	90
Diametro stelo - Rod diameter	40 - 0
Interasse aperto - Pitch (open)	1165
Interasse chiuso - Pitch (closed)	700
Corsa - Stroke	465
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	42CrMo4 BNF

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - Cylinder bore	70
Diametro esterno - Cyl. ext. diameter	80
Diametro stelo - Rod diameter	40 - 0
Interasse aperto - Pitch (open)	1241
Interasse chiuso - Pitch (closed)	731
Corsa - Stroke	510
Raccordi - Fittings	1/4" G
Ø perno fissaggio - Fixing pin Ø	25
Mat. perno/i - Pin steel	42CrMo4 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - Cylinder bore	45
Diametro esterno - Cyl. ext. diameter	55
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	2604
Interasse chiuso - Pitch (closed)	1404
Corsa - Stroke	1200
Raccordi - Fittings	1/4" G
Ø perni articolazione - Artic. pin Ø	15
Materiale perno/i - Pin steel	42CrMo4 BNF

CILINDRO 2° - 3° SFILO 2ND - 3RD EXTENSION CYL.

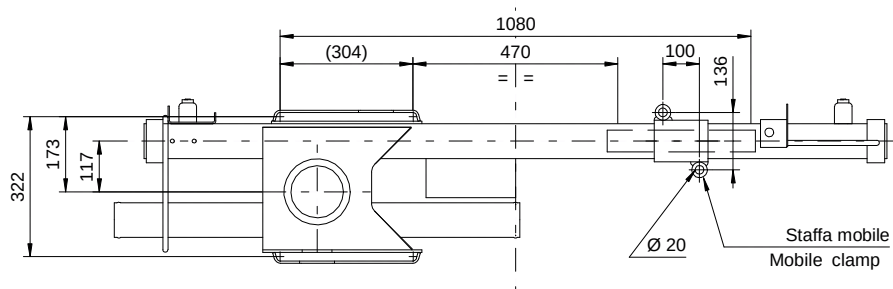
Alesaggio - Cylinder bore	40
Diametro esterno - Cyl. ext. diameter	50
Diametro stelo - Rod diameter	25 - 0
Interasse aperto - Pitch (open)	1283
Interasse chiuso - Pitch (closed)	83
Corsa - Stroke	1200
Raccordi - Fittings	1/4" G
Ø perno fissaggio - Fixing pin Ø	15
Mat. perno/i - Pin steel	42CrMo4 BNF

CILINDRO DI ROTAZIONE ROTATION CYLINDER

Alesaggio - Cylinder bore	70
Diametro esterno - Cyl. ext. diameter	80
Diametro stelo - Rod diameter	-
Interasse aperto - Pitch (open)	-
Interasse chiuso - Pitch (closed)	-
Corsa - Stroke	330
Raccordi - Fittings	-
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-

DIMENSIONI BASAMENTO, TIRANTI E VITI ROTAZIONE

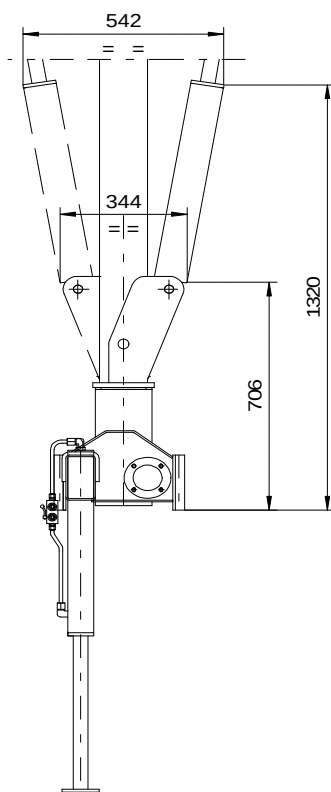
BASE DIMENSIONS, TIE RODS & ROTATION SCREWS



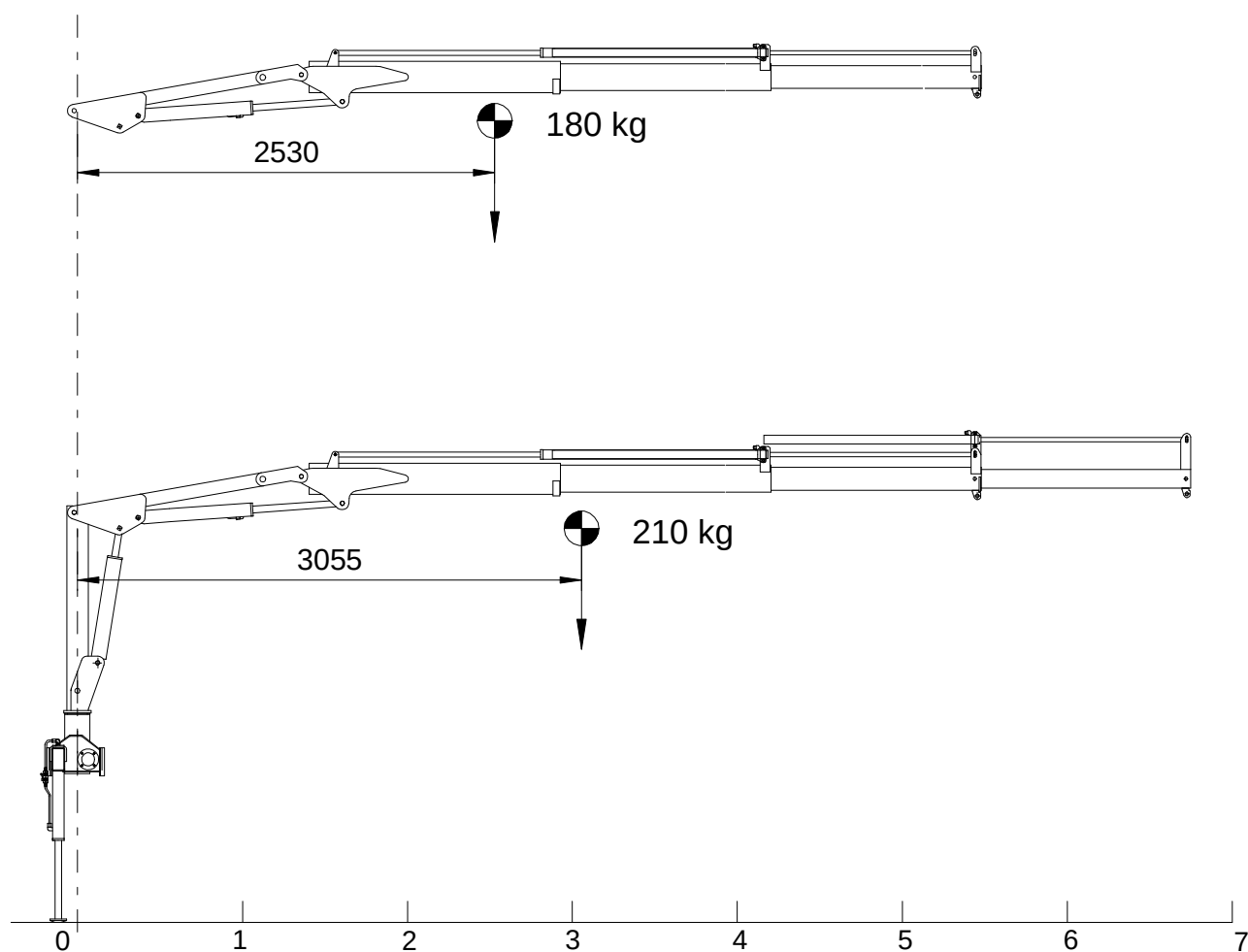
Tiranti di staffaggio Crane mounting bolts	N°6 M18x1.5 42CrMo4
Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°4 M12x35 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 50 Nm

INGOMBRI DI ROTAZIONE

OVERALL ROTATION DIMENSIONS

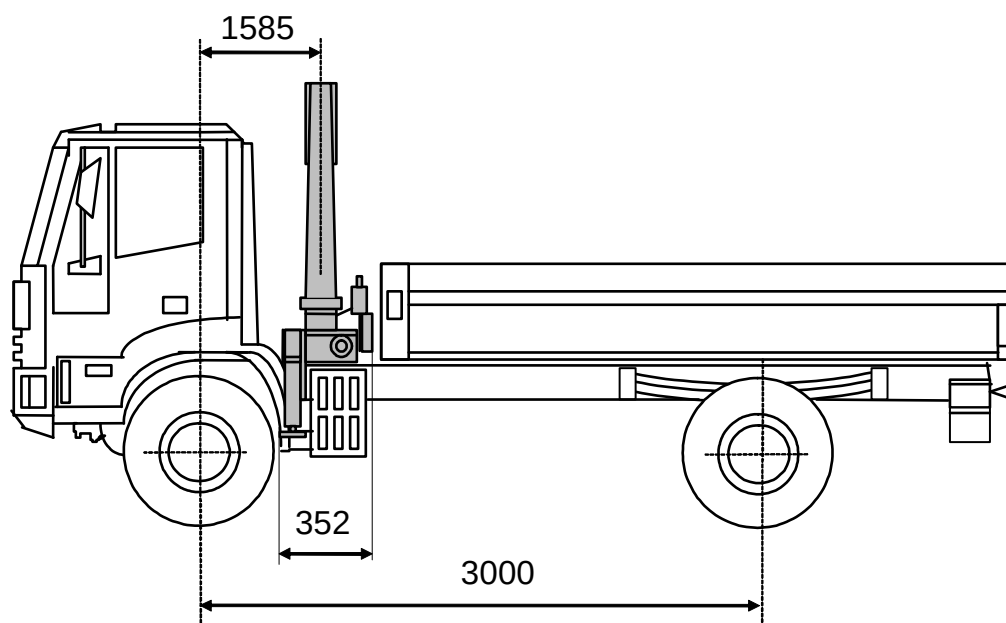


PESI – *BARICENTRI* WEIGHTS – CENTERS OF GRAVITY



	103
Massa parti fisse (kg) Fixed parts weights	255

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS



PTT (GVW) = 35 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 1375 kg

Tara ammissibile asse anteriore = 1800 kg

Asse posteriore

Tara asse posteriore = 590 kg

PESI ALLESTIMENTO

Peso cassone = 200 kg

Peso gru = 465 kg (103-3S)

Peso controtelaio = 100 kg

CHASSIS DATA

Front axle

Front axle tare weight = 1375 kg

Allowable front axle weight = 1800 kg

Rear axle

Rear axle tare weight = 590 kg

OUTFIT WEIGHTS

Body weight = 200 kg

Crane weight = 465 kg (103-3S)

Counterframe weight = 100 kg

Coefficiente di stabilità = 1,52

Stability index = 1,52

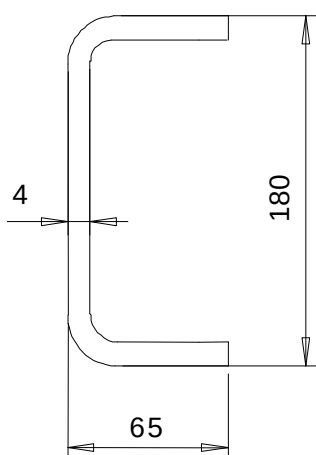
CONTROTELAIO MINIMO
MIN COUNTERFRAME**Momento dinamico max (daNm)**

Max dynamic moment

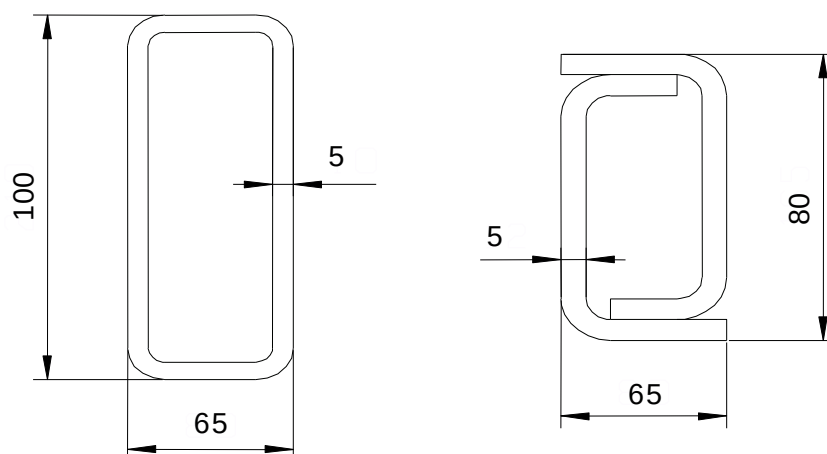
3210

Sezione telaio minima (autocarro PTT=35 q)

Min frame section (truck GVW 3.5 ton)

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

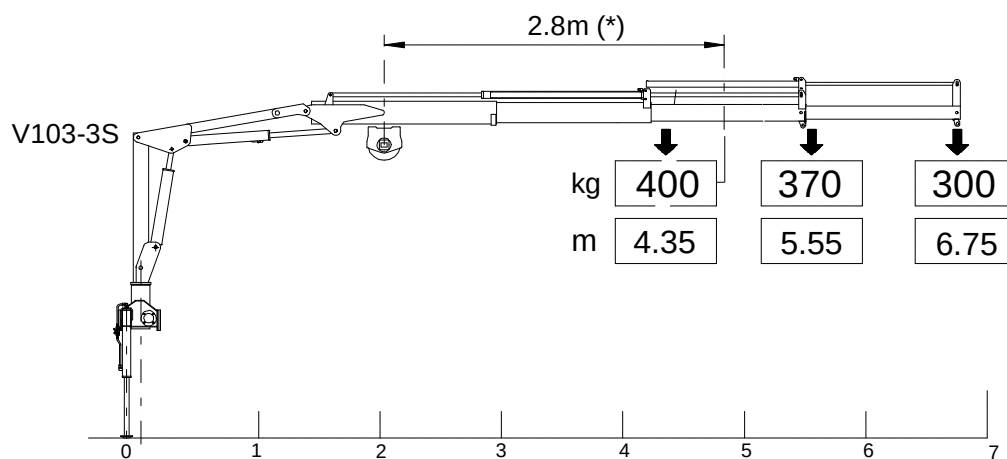
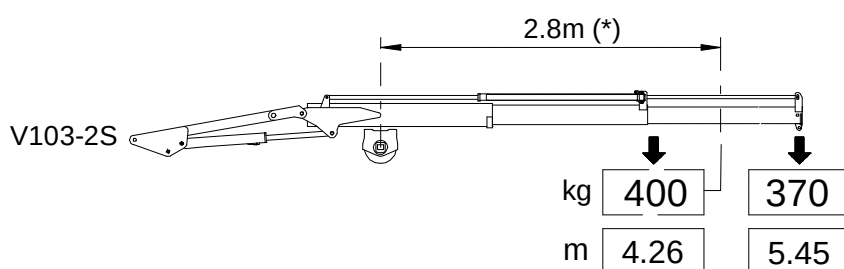
Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

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

400 kg



(*) = 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	70 kg
Pressione max. di esercizio Max working pressure	170 bar

