

803N - 903N

RACCOLTA TECNICA **TECHNICAL BOOK**



CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	3400
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	Versione	Q_{max}*	Q_{max}
Portata max (kg) Max load	1S	1300*	810
	2S	1250*	755
	3S	1200*	710

* portata al gancio fisso (solo se con limitatore di carico in area CE)

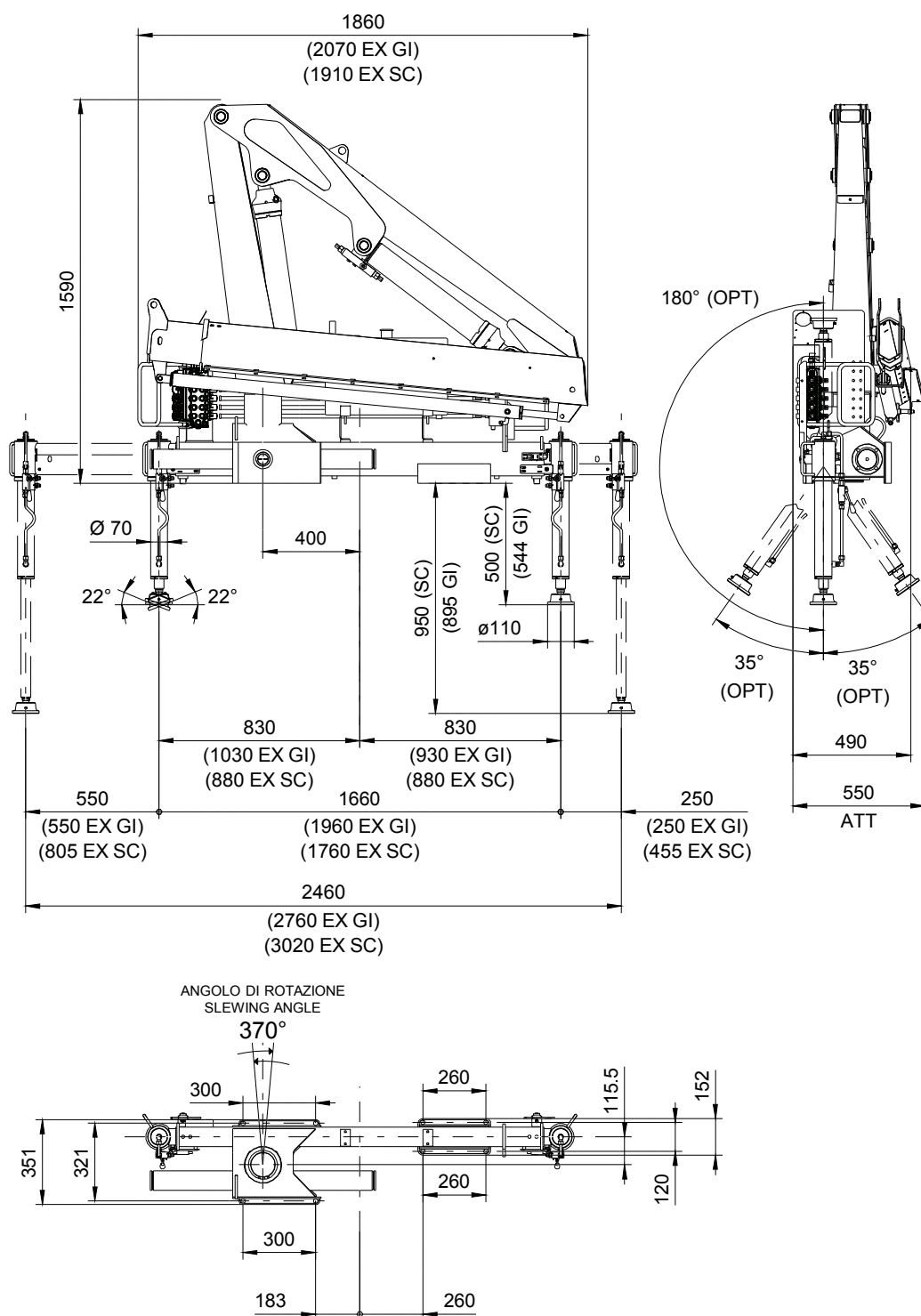
* capacity at fixed hook (only if with load limiting device in EC area)

	Versione	STD	EXT
Massa in ordine di lavoro (kg) Crane weight	1S	455	475
	2S	490	510
	3S	520	540

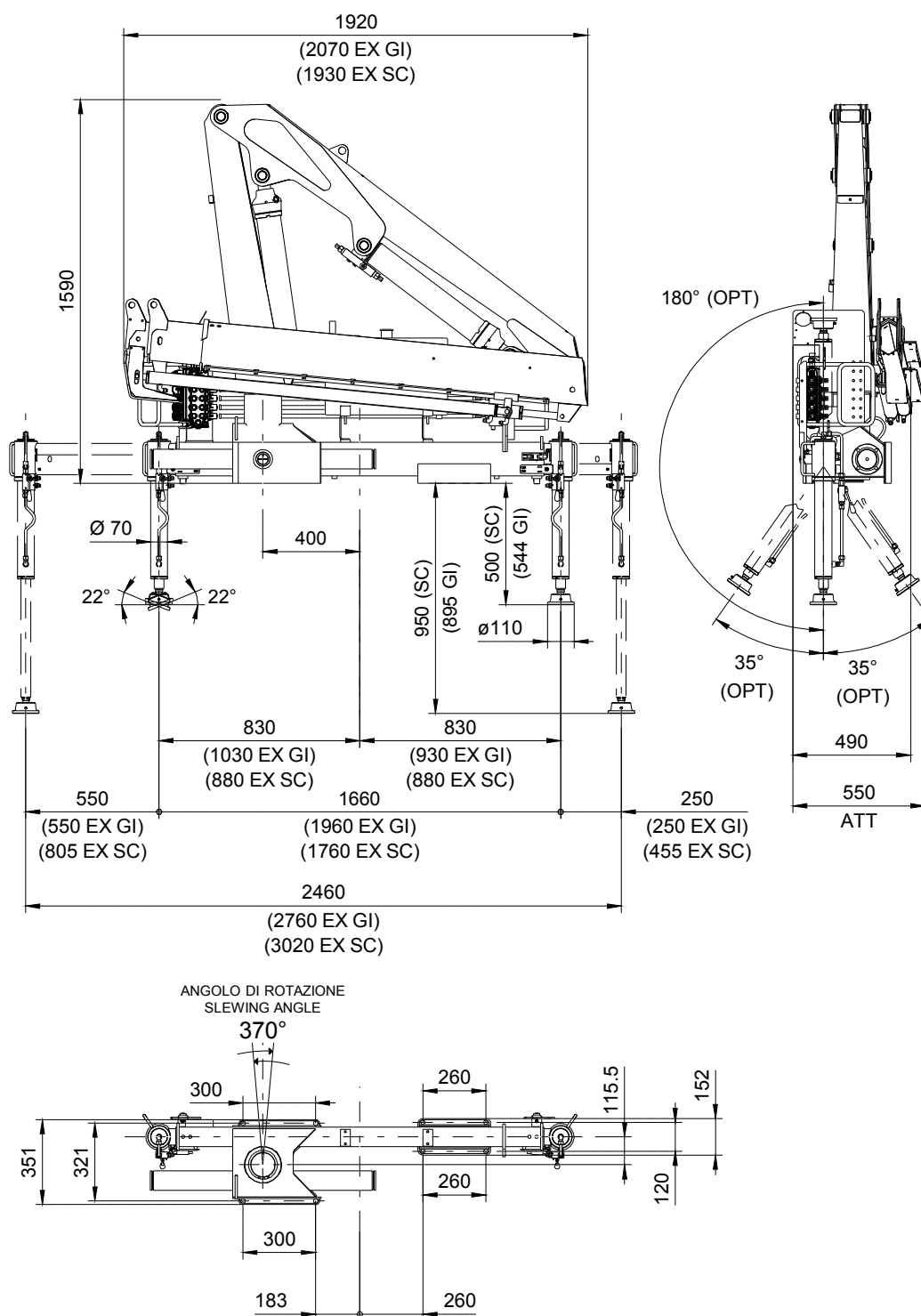
Reazione massima sullo stabilizzatore standard Max force on the standard stabilizer leg	3200 daN
Reazione massima sullo stabilizzatore extra Max force on the extra stabilizer leg	2355 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	33,6 daN/cm ²
Carico massimo trasmesso al suolo da stabilizzatori extra Max extra stabilizer pressure on the ground	24,7 daN/cm ²
Pressione massima di esercizio Max working pressure	175 bar
Portata massima di olio Max oil flow	8 l/min
Capacità serbatoio olio Oil tank capacity	25 l
Coppia di rotazione Slewing moment	365 daNm
Angolo di rotazione Slewing angle	370°
Potenza assorbita Absorbed power	3.1 kW 4.1 HP
Normativa di calcolo Design standard	DIN 15018 EN 12999

		NO RDC	RDC
Linea di pressione distributore Control valve pressure line		M3/4" - 16 Jic	M3/4" - 16 Jic
Linea di aspirazione serbatoio Tank suction line		M1" BSP	M1" BSP

DIMENSIONI DI INGOMBRO DIMENSIONS 803N-903N 1S



DIMENSIONI DI INGOMBRO
DIMENSIONS
803N-903N 2S



DIMENSIONI DI INGOMBRO DIMENSIONS 803N-903N 3S

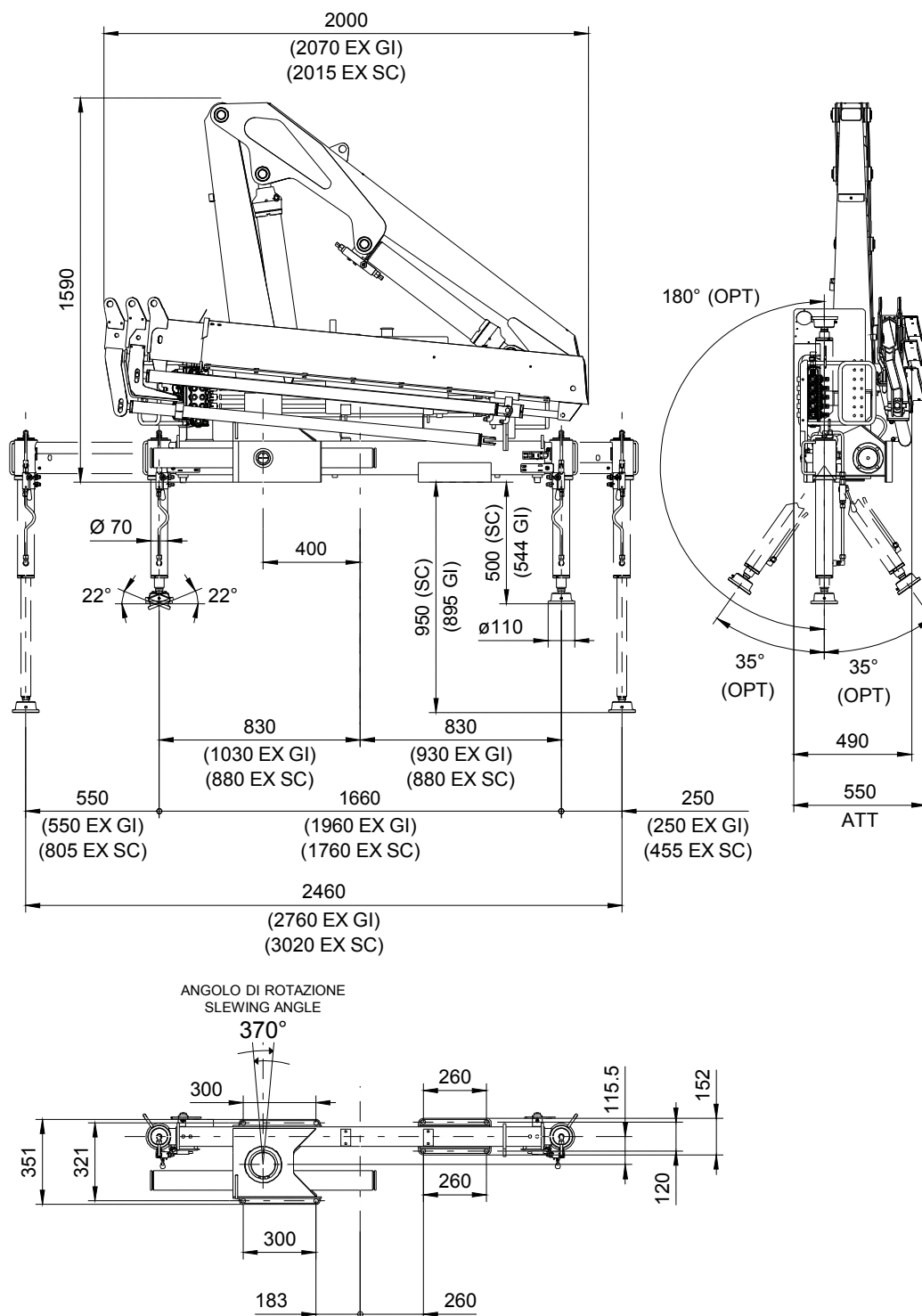
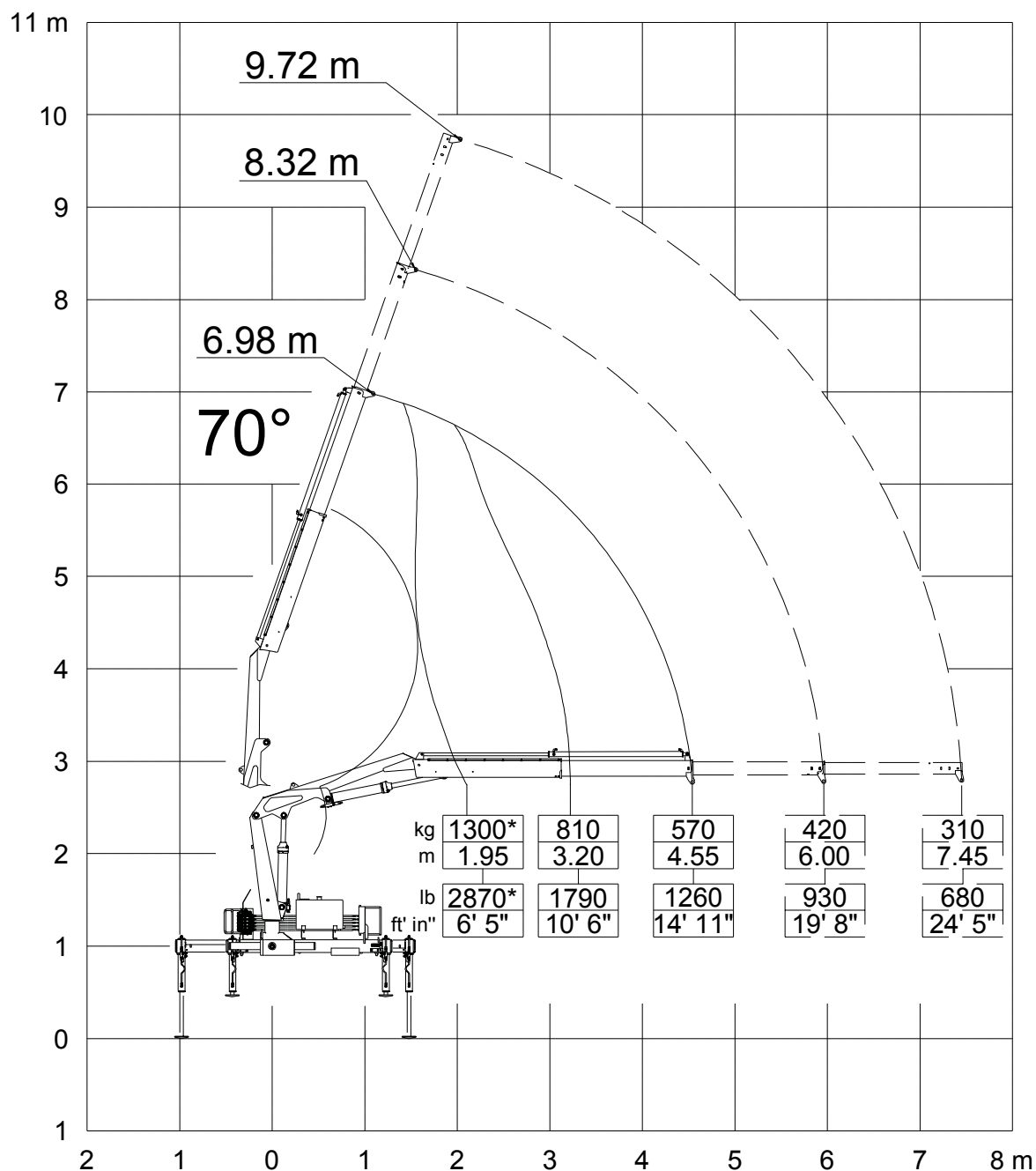


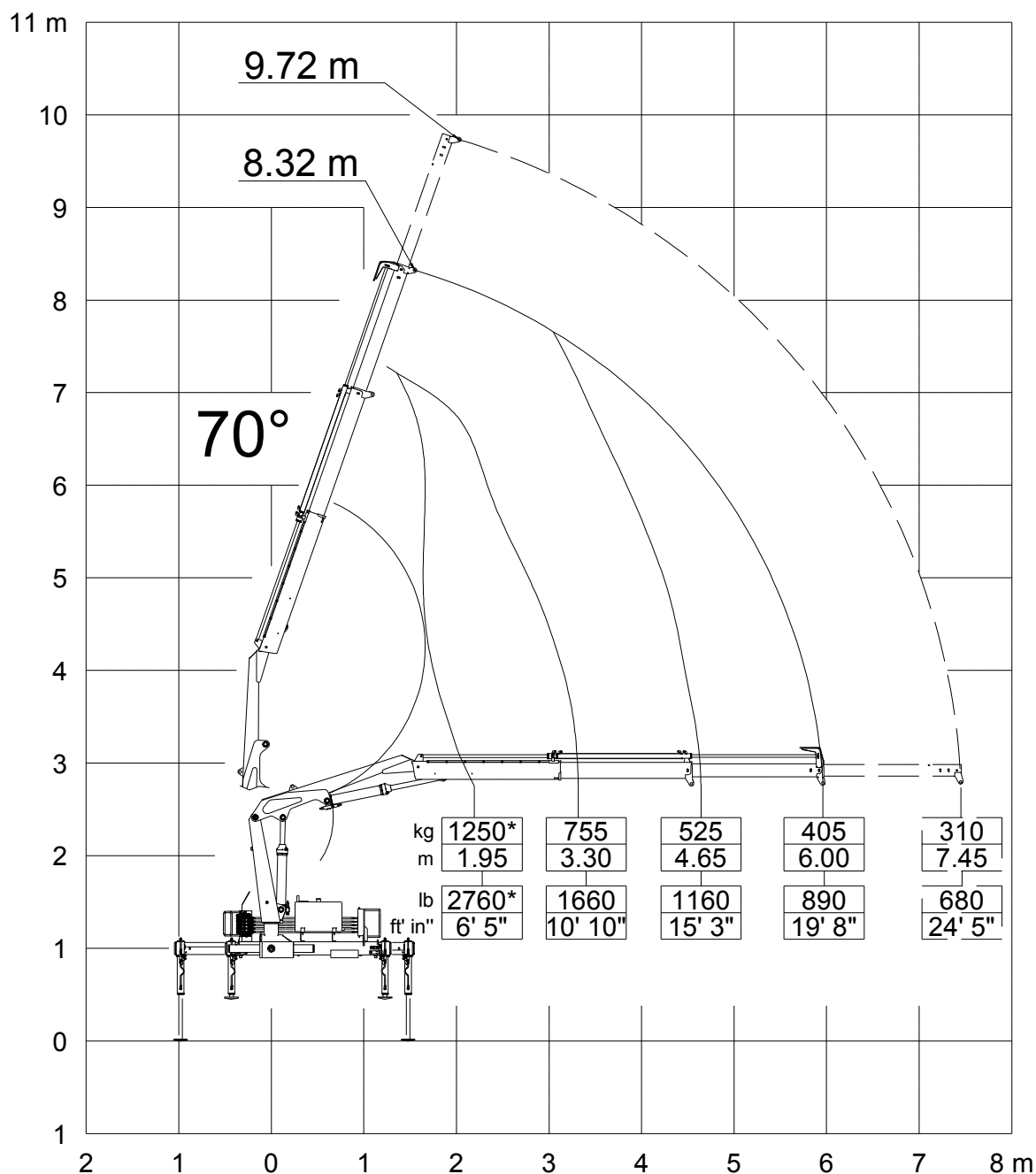
DIAGRAMMA PORTATE LOAD DIAGRAM 803N-903N 1S



* PORTATA AL GANCIO FISSO (SOLO SE CON LIMITATORE DI CARICO IN AREA CE)

* CAPACITY AT FIXED HOOK (ONLY IF WITH LOAD LIMITING DEVICE IN EC AREA)

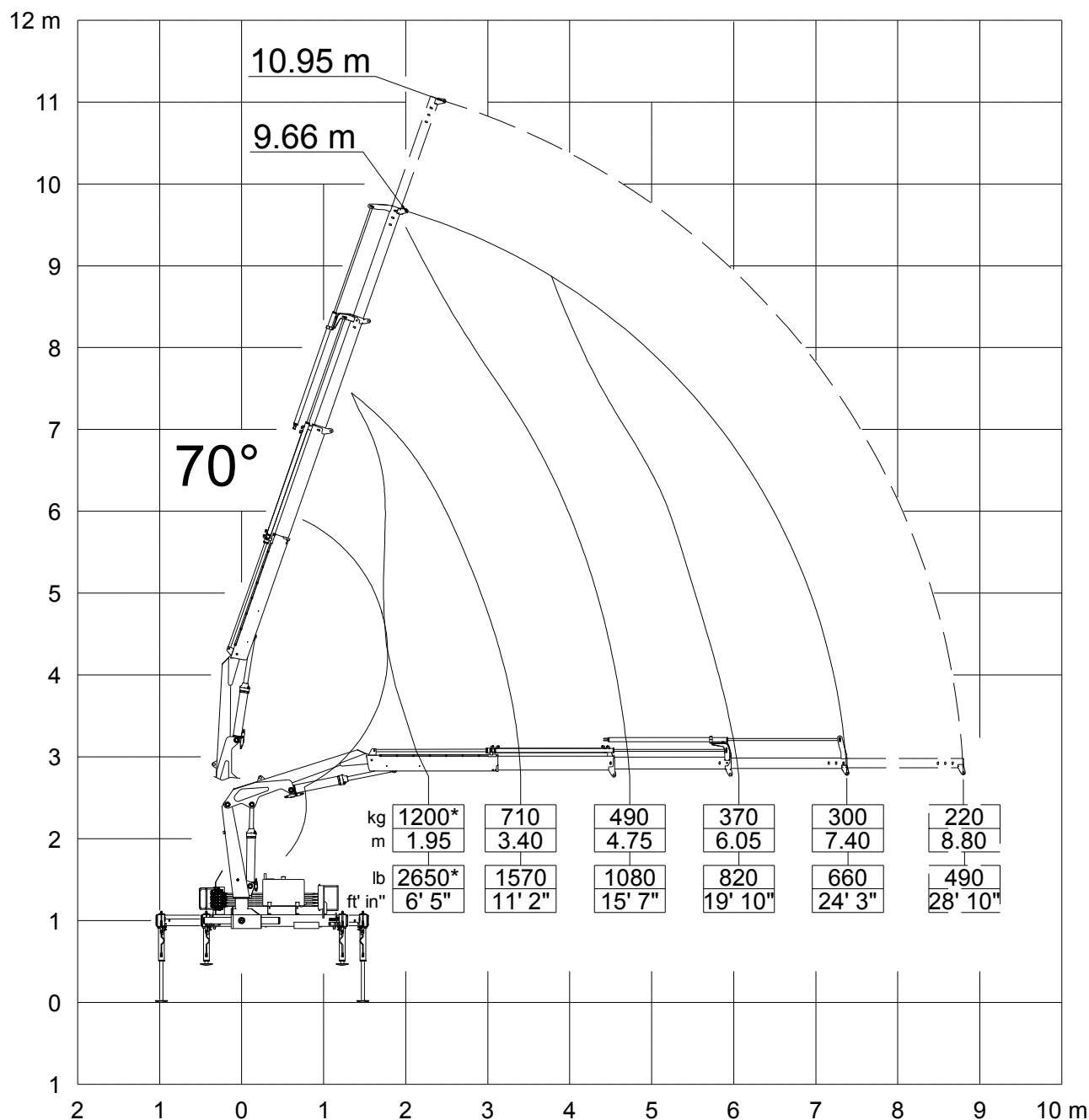
DIAGRAMMA PORTATE **LOAD DIAGRAM** **803N-903N 2S**



* PORTATA AL GANCIO FISSO (SOLO SE CON LIMITATORE DI CARICO IN AREA CE)

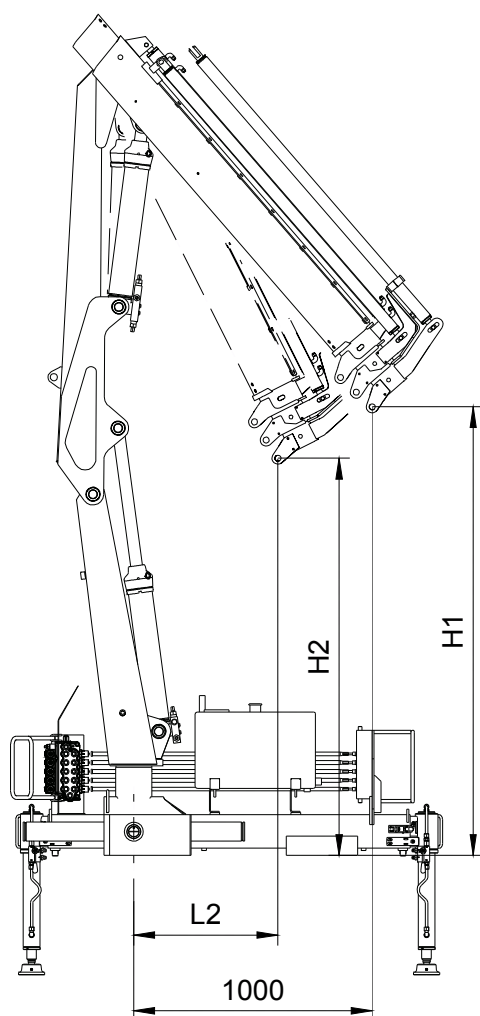
* CAPACITY AT FIXED HOOK (ONLY IF WITH LOAD LIMITING DEVICE IN EC AREA)

DIAGRAMMA PORTATE LOAD DIAGRAM 803N-903N 3S

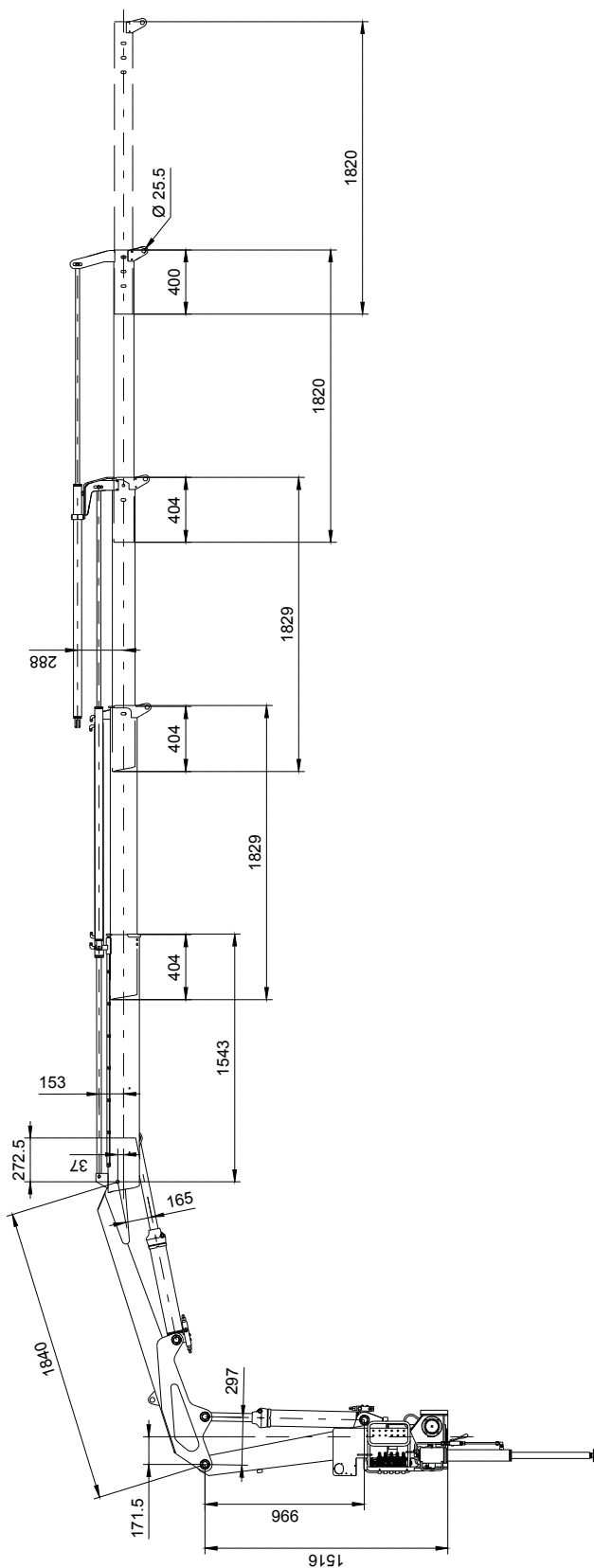


* PORTATA AL GANCIO FISSO (SOLO SE CON LIMITATORE DI CARICO IN AREA CE)

* CAPACITY AT FIXED HOOK (ONLY IF WITH LOAD LIMITING DEVICE IN EC AREA)

ALTEZZA ATTACCO GANCIO
HOOK HEIGHT

	H1 [mm]	L2 [mm]	H2 [mm]
1S	2110	505	1820
2S	1995	555	1745
3S	1880	605	1670

**DIMENSIONALE COLONNA E BRACCI
COLUMN - BOOM - DIMENSIONS**

DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	90
Diametro esterno - <i>Cyl. ext. diameter</i>	100
Diametro stelo - <i>Rod diameter</i>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	1285
Interasse chiuso - <i>Pitch (closed)</i>	755
Corsa - <i>Stroke</i>	530
Raccordi - <i>Fittings</i>	3/8" G
Ø perni articolazione - <i>Artic. pin Ø</i>	35
Materiale perno/i - <i>Pin steel</i>	C40 BNF

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	90
Diametro esterno - <i>Cyl. ext. diameter</i>	100
Diametro stelo - <i>Rod diameter</i>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	1285
Interasse chiuso - <i>Pitch (closed)</i>	755
Corsa - <i>Stroke</i>	530
Raccordi - <i>Fittings</i>	3/8" G
Ø perno fissaggio - <i>Fixing pin Ø</i>	35
Mat. perno/i - <i>Pin steel</i>	C40 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	45
Diametro esterno - <i>Cyl. ext. diameter</i>	55
Diametro stelo - <i>Rod diameter</i>	30 - 0
Interasse aperto - <i>Pitch (open)</i>	2865
Interasse chiuso - <i>Pitch (closed)</i>	1535
Corsa - <i>Stroke</i>	1331
Raccordi - <i>Fittings</i>	9/16-18 JIC
Ø perni articolazione - <i>Artic. pin Ø</i>	15
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

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

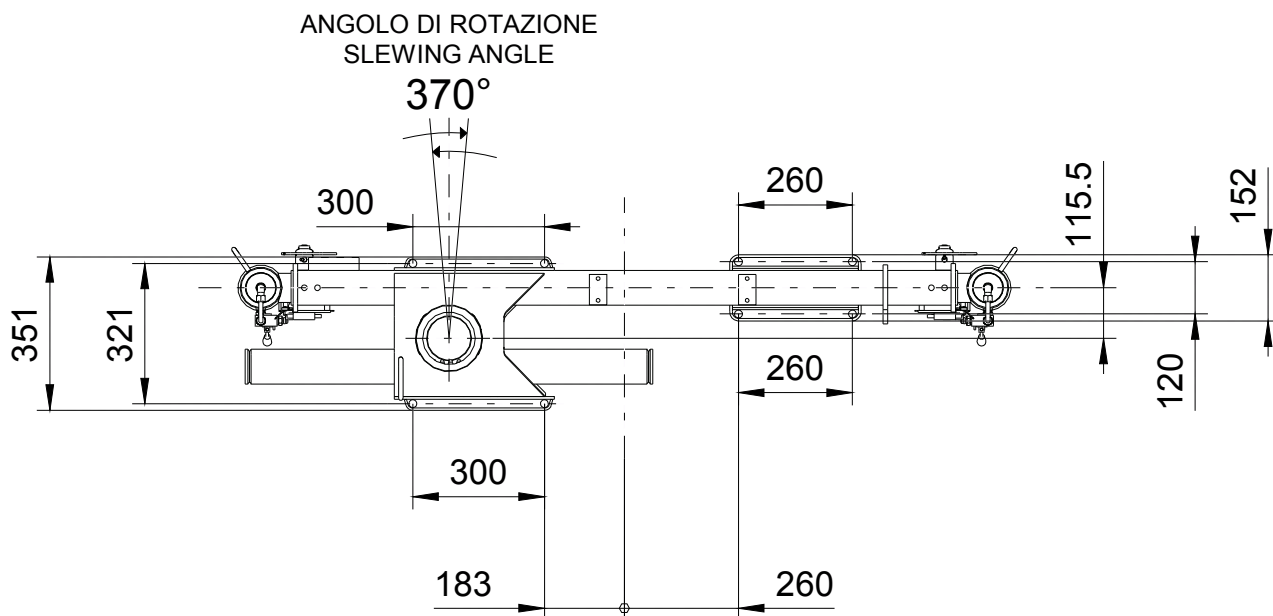
Alesaggio - <i>Cylinder bore</i>	40
Diametro esterno - <i>Cyl. ext. diameter</i>	50
Diametro stelo - <i>Rod diameter</i>	25 - 0
Interasse aperto - <i>Pitch (open)</i>	2865
Interasse chiuso - <i>Pitch (closed)</i>	1535
Corsa - <i>Stroke</i>	1330
Raccordi - <i>Fittings</i>	9/16-18 JIC
Ø perno fissaggio - <i>Fixing pin Ø</i>	15
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO DI ROTAZIONE ROTATION CYLINDER

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

DIMENSIONI BASAMENTO, TIRANTI E VITI ROTAZIONE

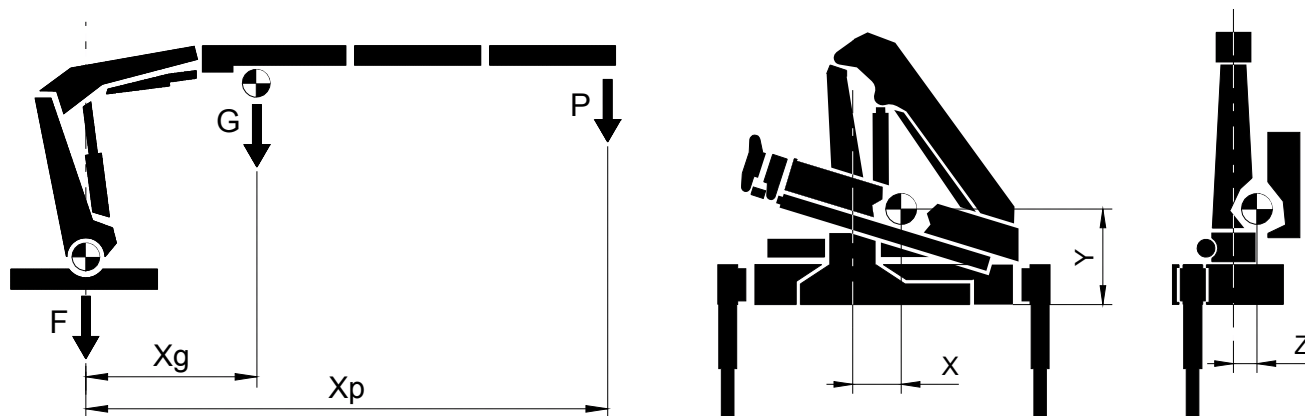
BASE DIMENSIONS, TIE RODS & ROTATION SCREWS



Tiranti di staffaggio Tie mounting rods	N°8 M18x1.5 42CrMo4 BNF
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

PESI – BARICENTRI

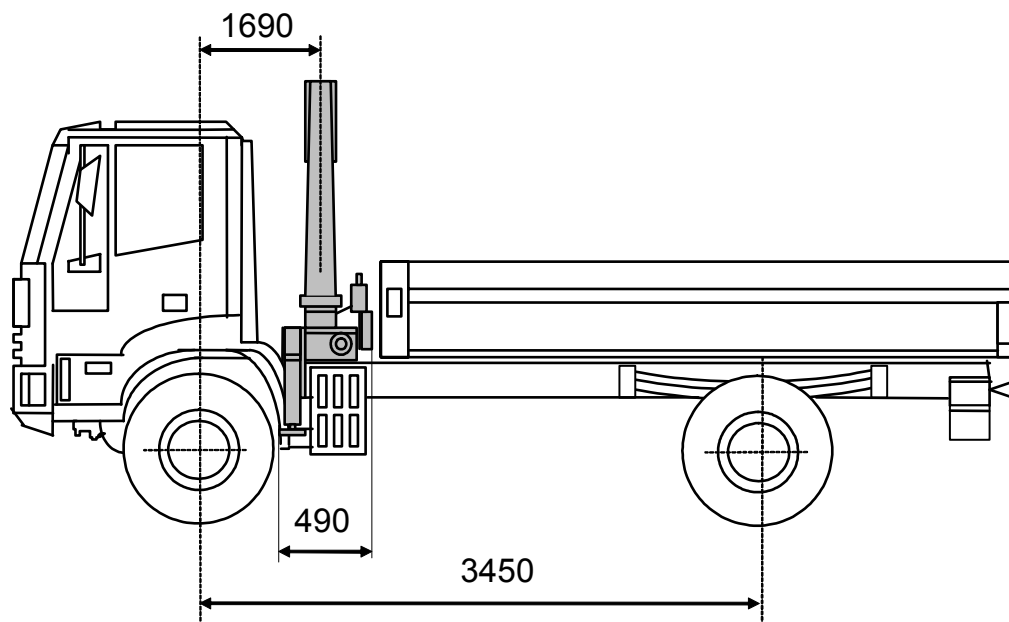
WEIGHTS – CENTER OF GRAVITY



803N - 903N	F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	X [mm]	Y [mm]	Z [mm]
1S 	STD: 310 EXTRA: 330	145	1.84	570	4.55	713	335	440	0
2S 		180	2.42	405	6.00	506	325	435	15
3S 		210	2.95	300	7.40	377	310	430	30

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) = 35 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara asse anteriore = 1250 kg

Tara ammissibile asse anteriore = 1800 kg

Asse posteriore

Tara asse posteriore = 500 kg

PESI ALLESTIMENTO

Peso cassone = 300 kg

Peso gru = 540 kg (803N 3S EX)

Peso controtelaio = 15 kg

CHASSIS DATA**Front axle**

Front axle tare weight = 1250 kg

Allowable front axle weight = 1800 kg

Rear axle

Rear axle tare weight = 500 kg

OUTFIT WEIGHTS

Body weight = 300 kg

Crane weight = 540 kg (803N 3S EX)

Counterframe weight = 15 kg

Coefficiente di stabilità = 1,55**Stability index = 1,55**

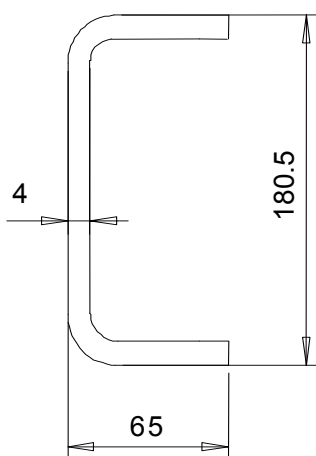
CONTROTELAIO MINIMO

MIN COUNTERFRAME

Momento dinamico max (daNm) Max dynamic moment	3400
β	0.87

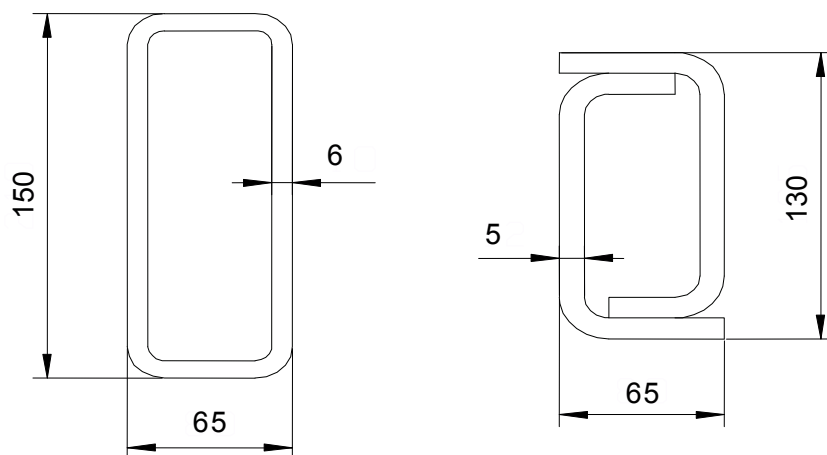
Sezione telaio minima (autocarro PTT=35 q)

Min frame section (truck GVW 3,5 ton)



Sezione minima contro telaio (materiale Fe510 - S355)

Min counterframe section (steel S355)

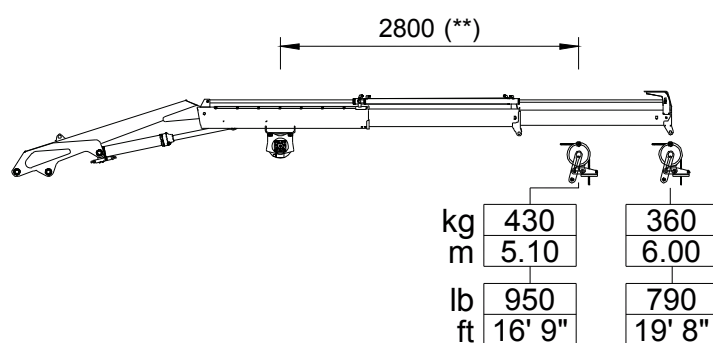
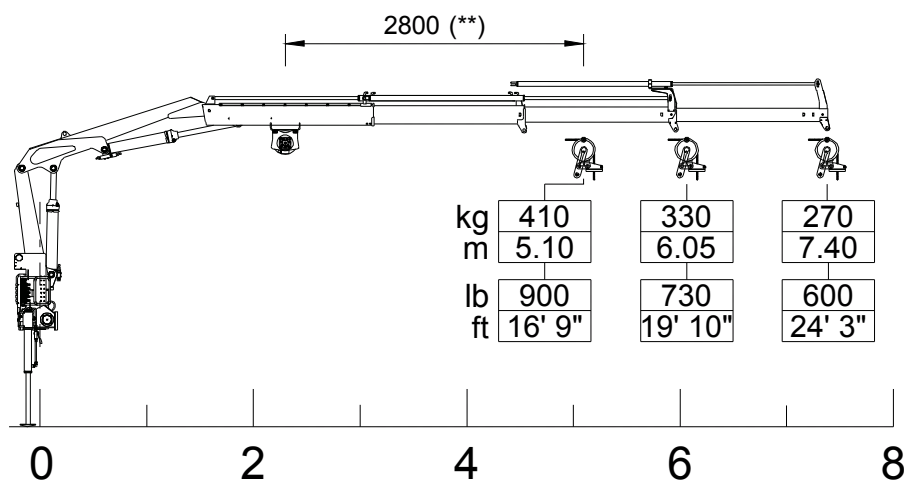


CARATTERISTICHE VERRICELLO IDRAULICO

HYDRAULIC WINCH DATA

Max tiro diretto (kg)

Max winch direct pull (kg)

500 kg**V803N-2S****V803N-3S**

(**) = Distanza minima di utilizzo argano

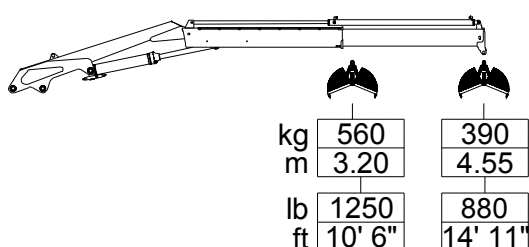
(**) = Min distance for using the winch

CARATTERISTICHE ACCESSORI BENNA-POLIPO

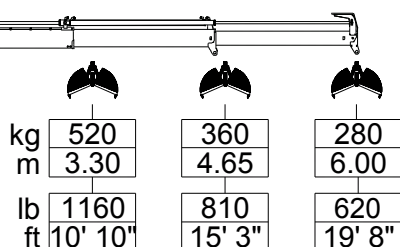
GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	70 kg
Pressione max. di esercizio Max working pressure	140 bar

V803N-1S



V803N-2S



V803N-3S

