

815

RACCOLTA TECNICA TECHNICAL BOOK



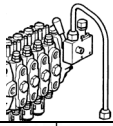
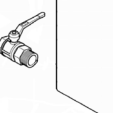
CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	18110
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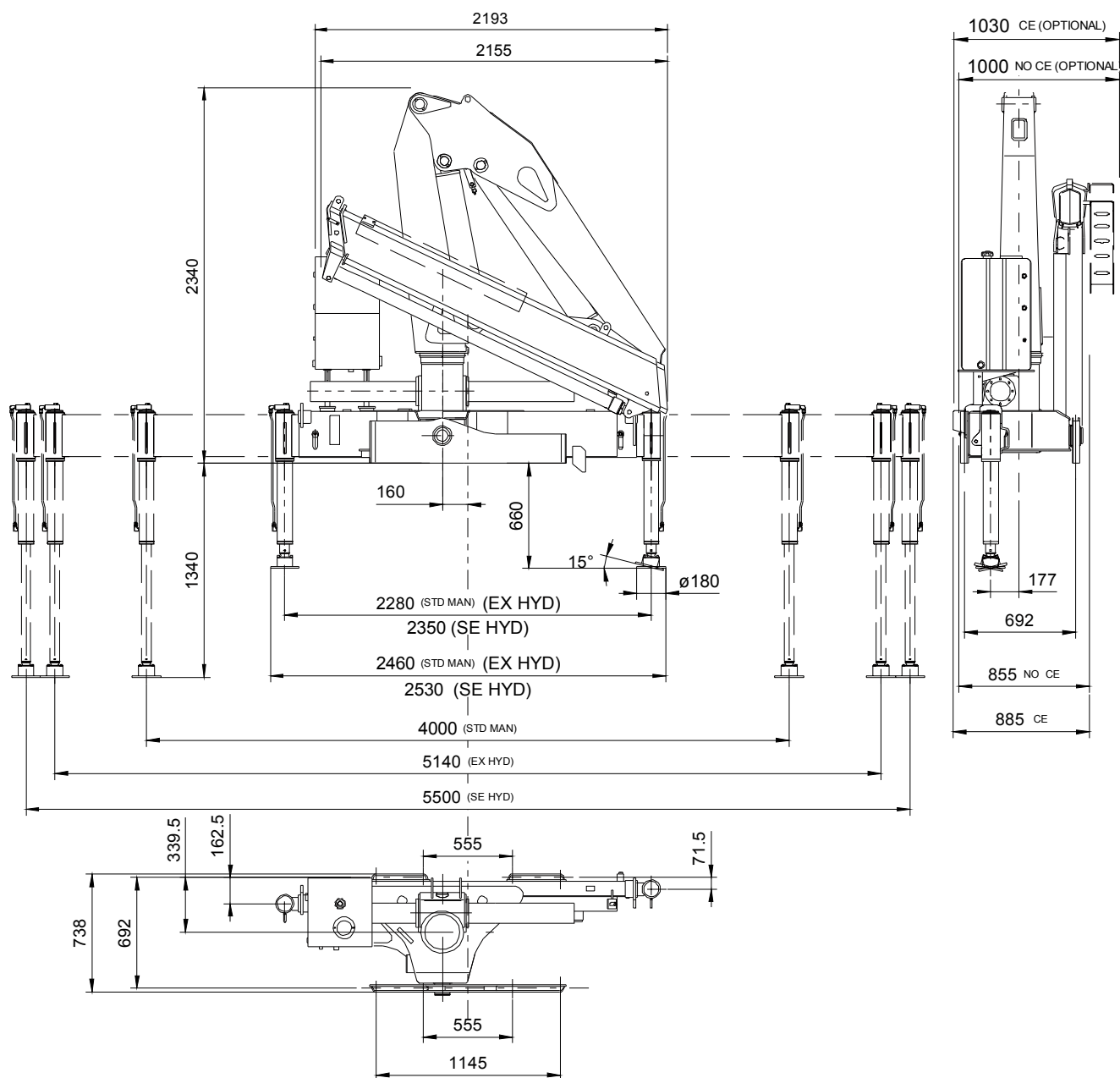
	Versione	Q _{max}
Portata max (kg) Max load	1S	5500
	2S	5300
	3S	5100
	4S	5000
	5S	4900

	Versione	STD-M	EX-M	EX-H	SE-H
Massa in ordine di lavoro (kg) Crane weight	1S	1680	1735	1780	1790
	2S	1810	1865	1910	1920
	3S	1930	1985	2030	2040
	4S	2030	2085	2130	2140
	5S	2120	2175	2220	2230
	3S J2	2240	2295	2340	2350

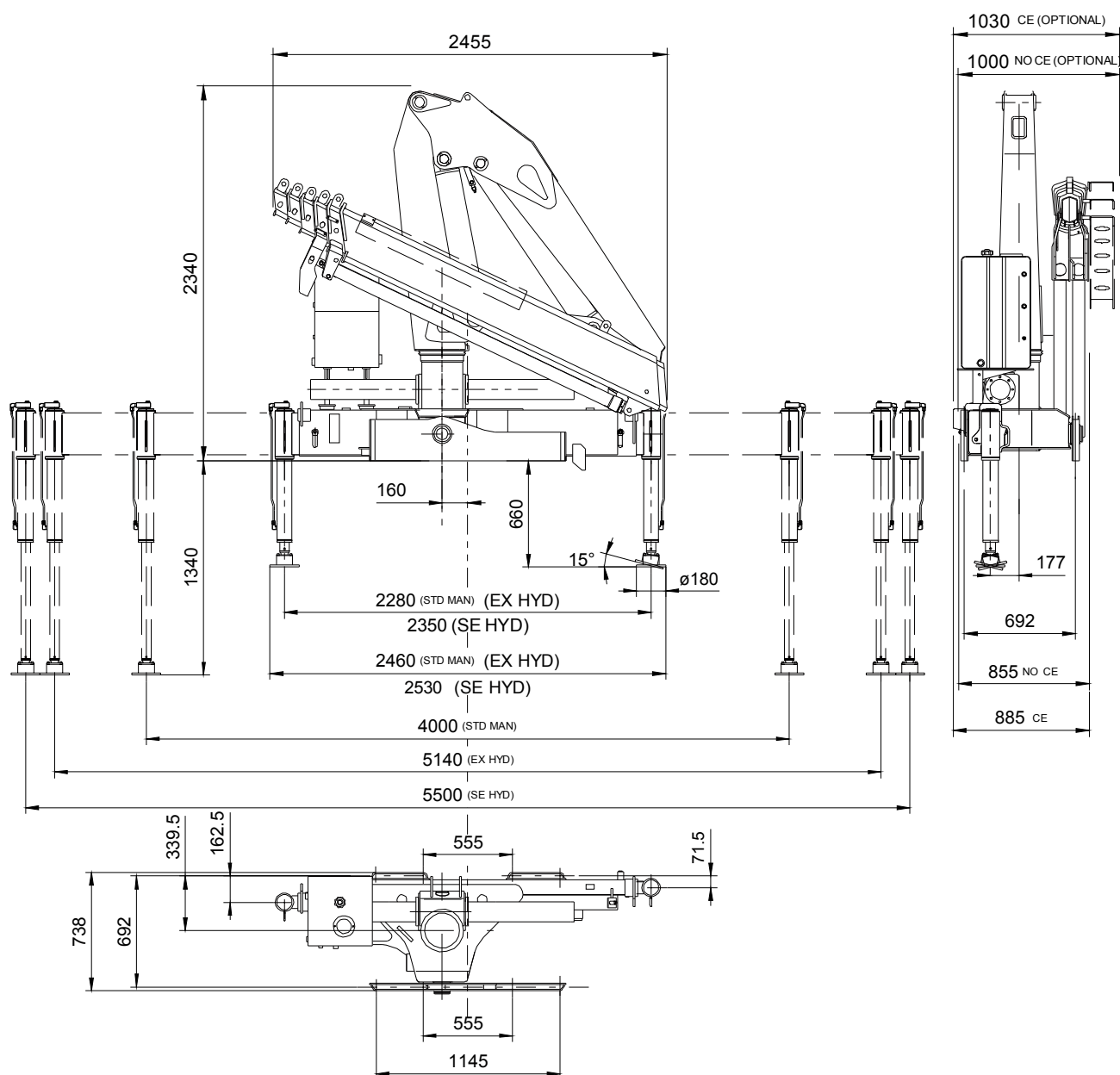
	STD	EX	SE
Reazione massima sullo stabilizzatore (daN) Max force on the stabilizer leg	9845	7515	6995
Carico massimo trasmesso al suolo da stabilizzatori (daN/cm²) Max stabilizer pressure on the ground	39	30	28
Pressione massima di esercizio Max working pressure	285 bar		
Portata massima di olio Max oil flow	25 l/min		
Capacità serbatoio olio Oil tank capacity	100 l		
Coppia di rotazione Slewing moment	1825 daNm		
Angolo di rotazione Slewing angle	380°		
Potenza assorbita Absorbed power	16 kW 22 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		F 7/8" - 14 Jic	M 7/8" - 14 Jic
Linea di aspirazione serbatoio Tank suction line		F 1" 1/2 BSP	F 1" 1/2 BSP

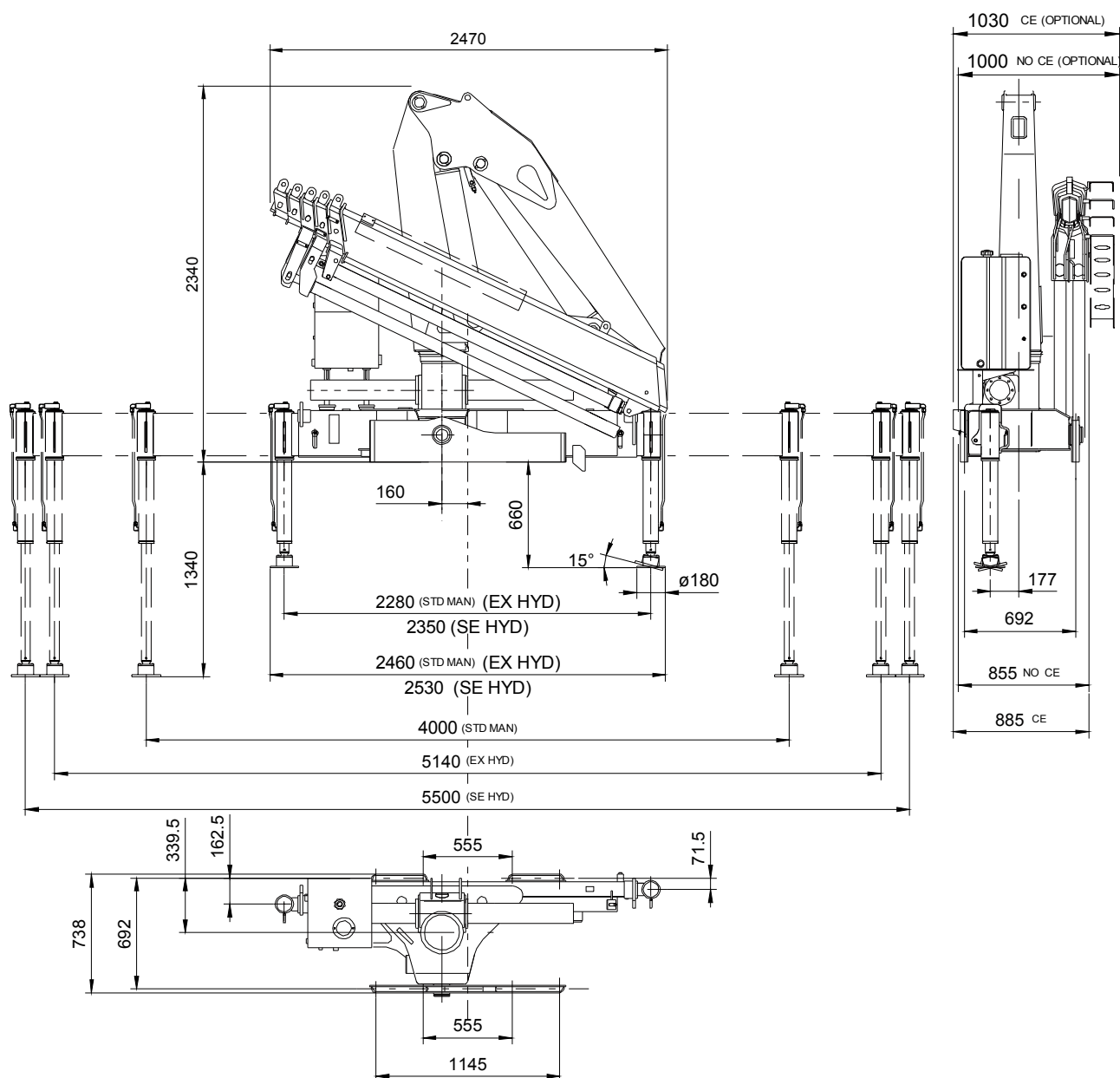
DIMENSIONI DI INGOMBRO DIMENSIONS 815 1S



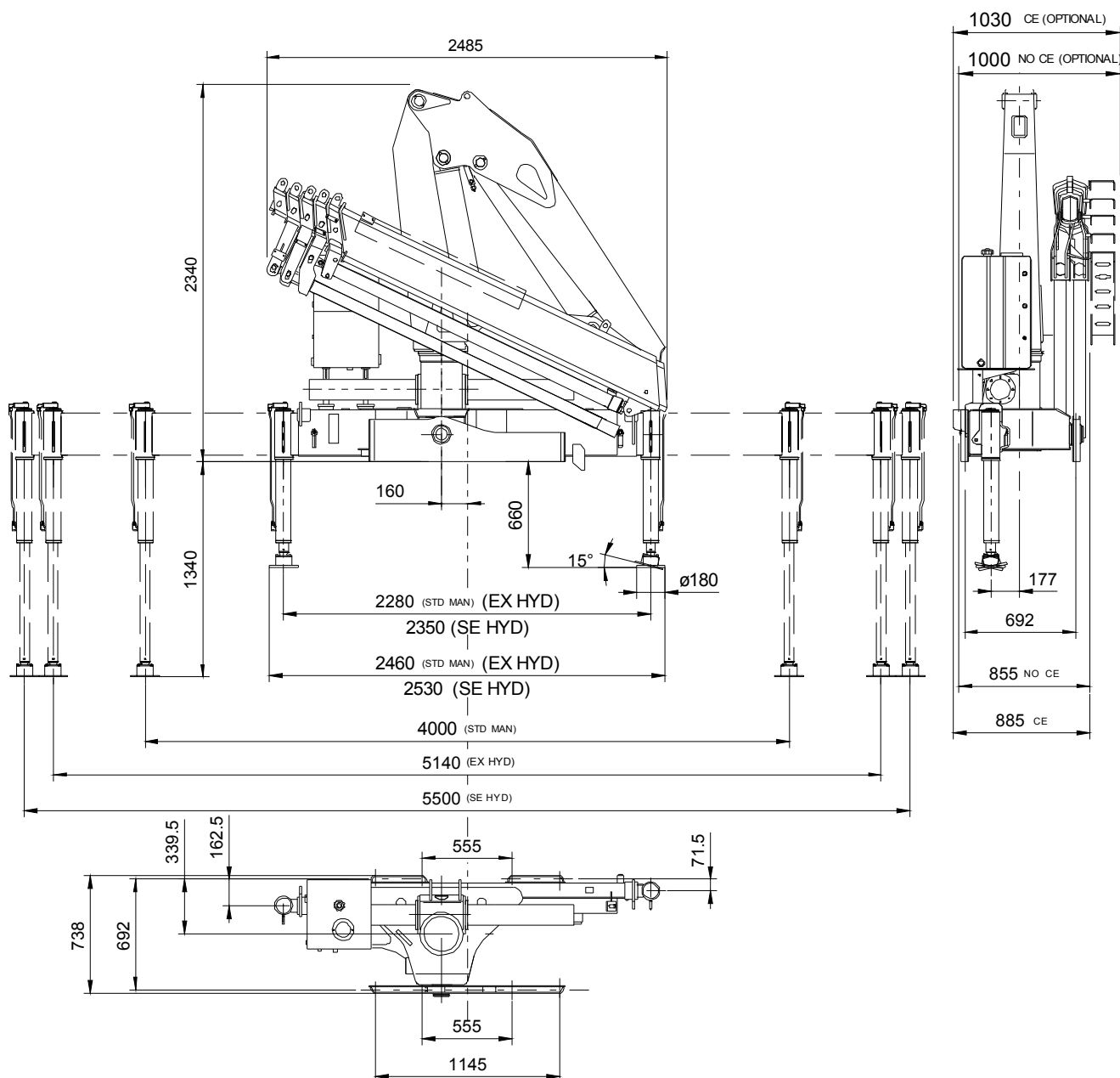
DIMENSIONI DI INGOMBRO **DIMENSIONS** **815 2S**



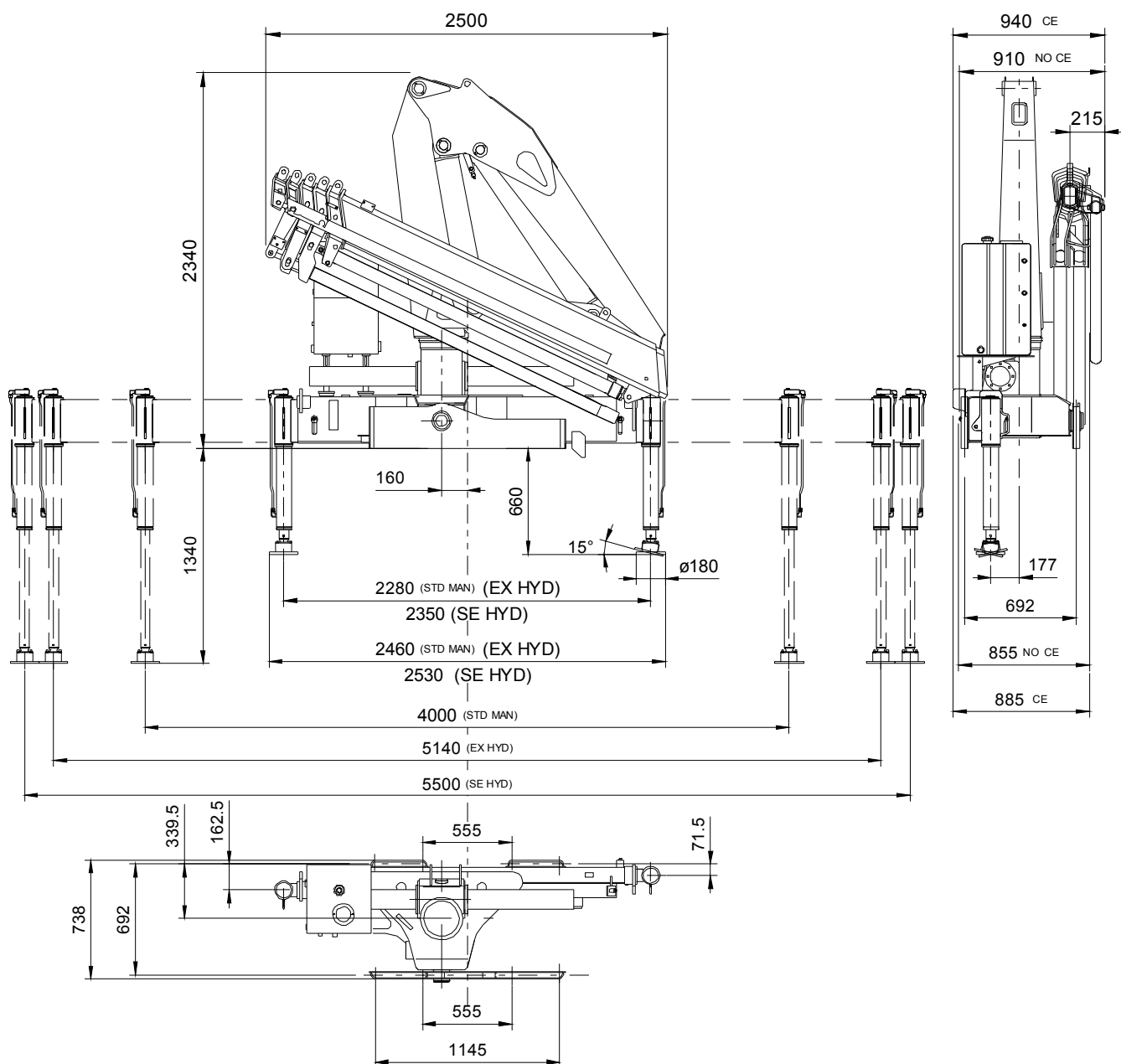
DIMENSIONI DI INGOMBRO
DIMENSIONS
815 3S



DIMENSIONI DI INGOMBRO
DIMENSIONS
815 4S



DIMENSIONI DI INGOMBRO
DIMENSIONS
815 5S



DIMENSIONI DI INGOMBRO
DIMENSIONS
815 3SJ2

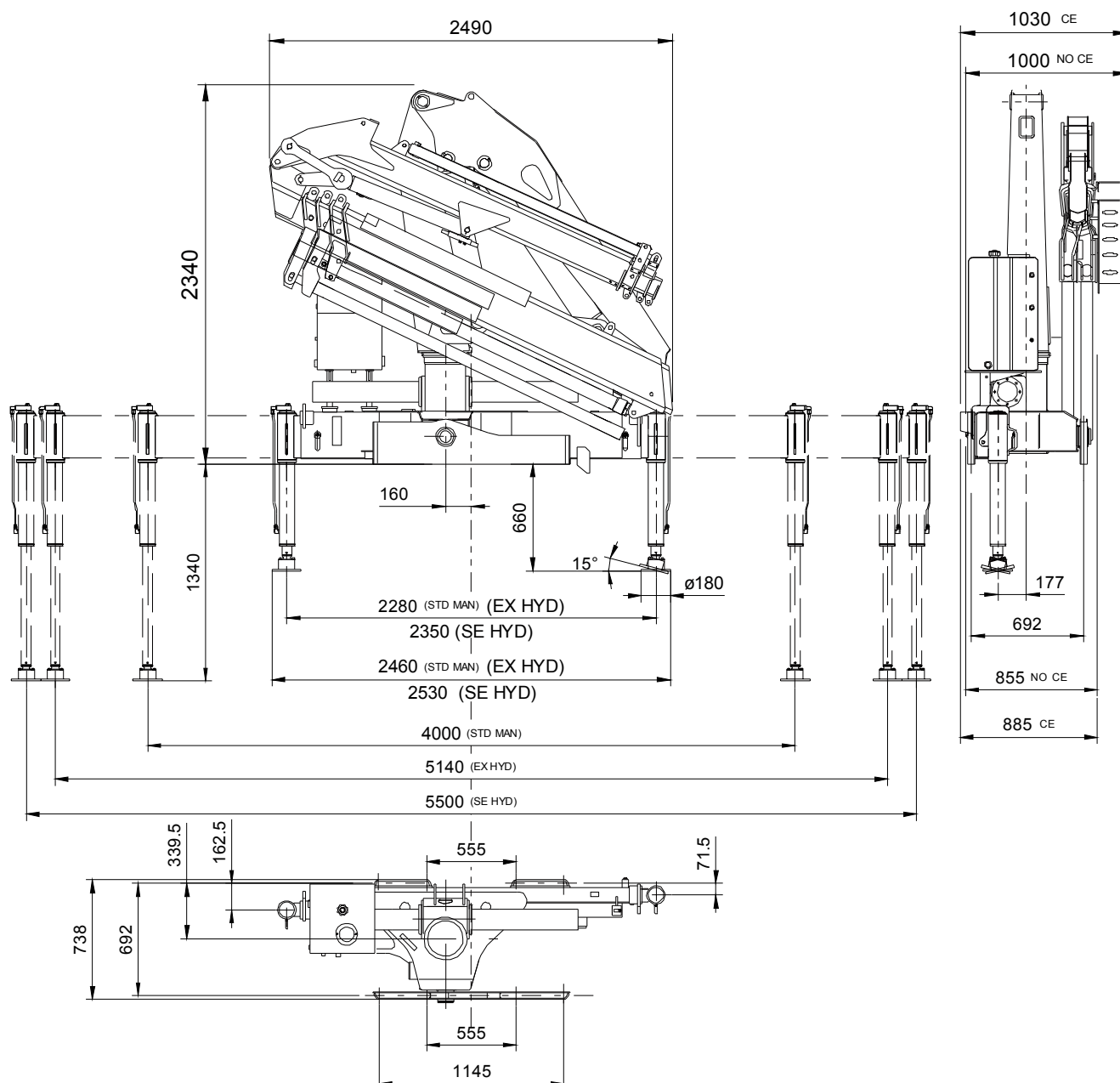


DIAGRAMMA PORTATE LOAD DIAGRAM 815 1S

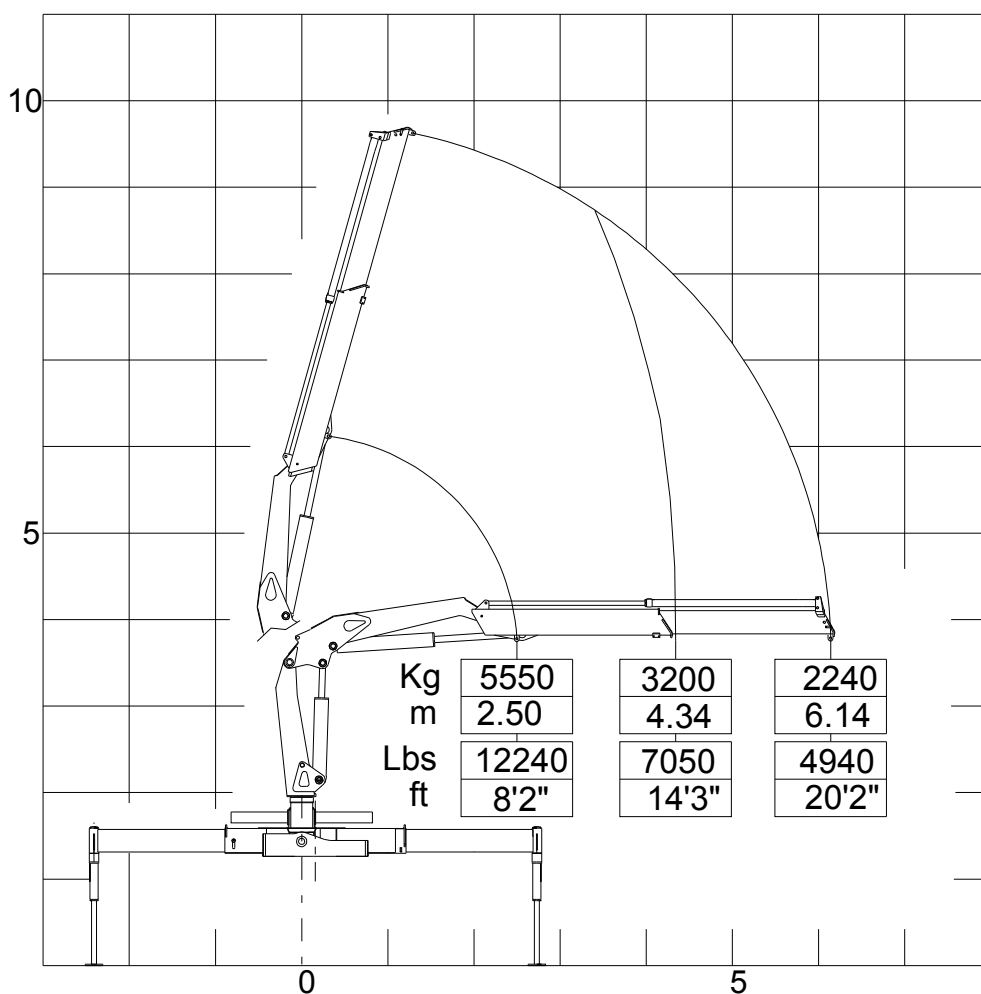
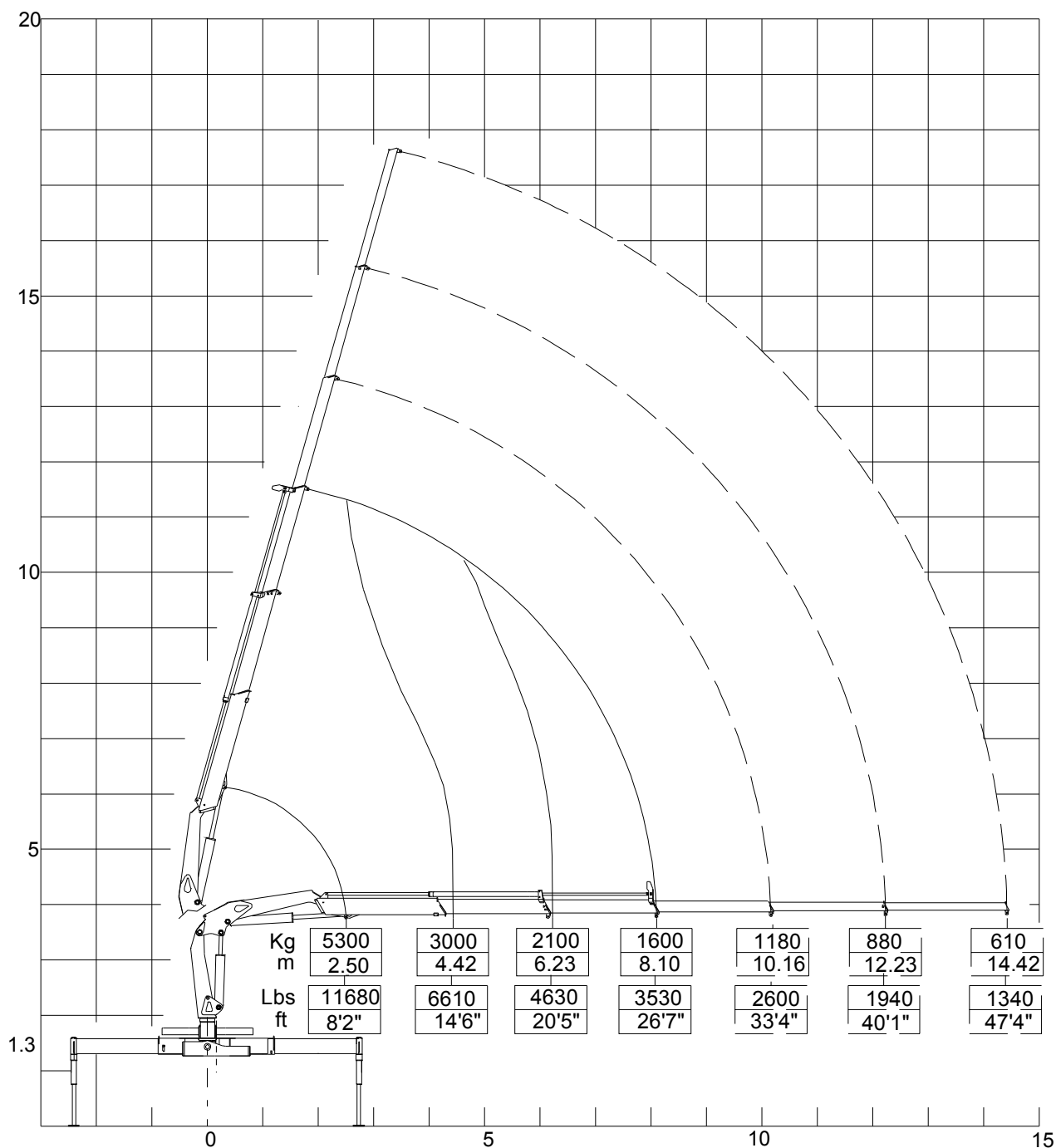


DIAGRAMMA PORTATE
LOAD DIAGRAM
815 2S

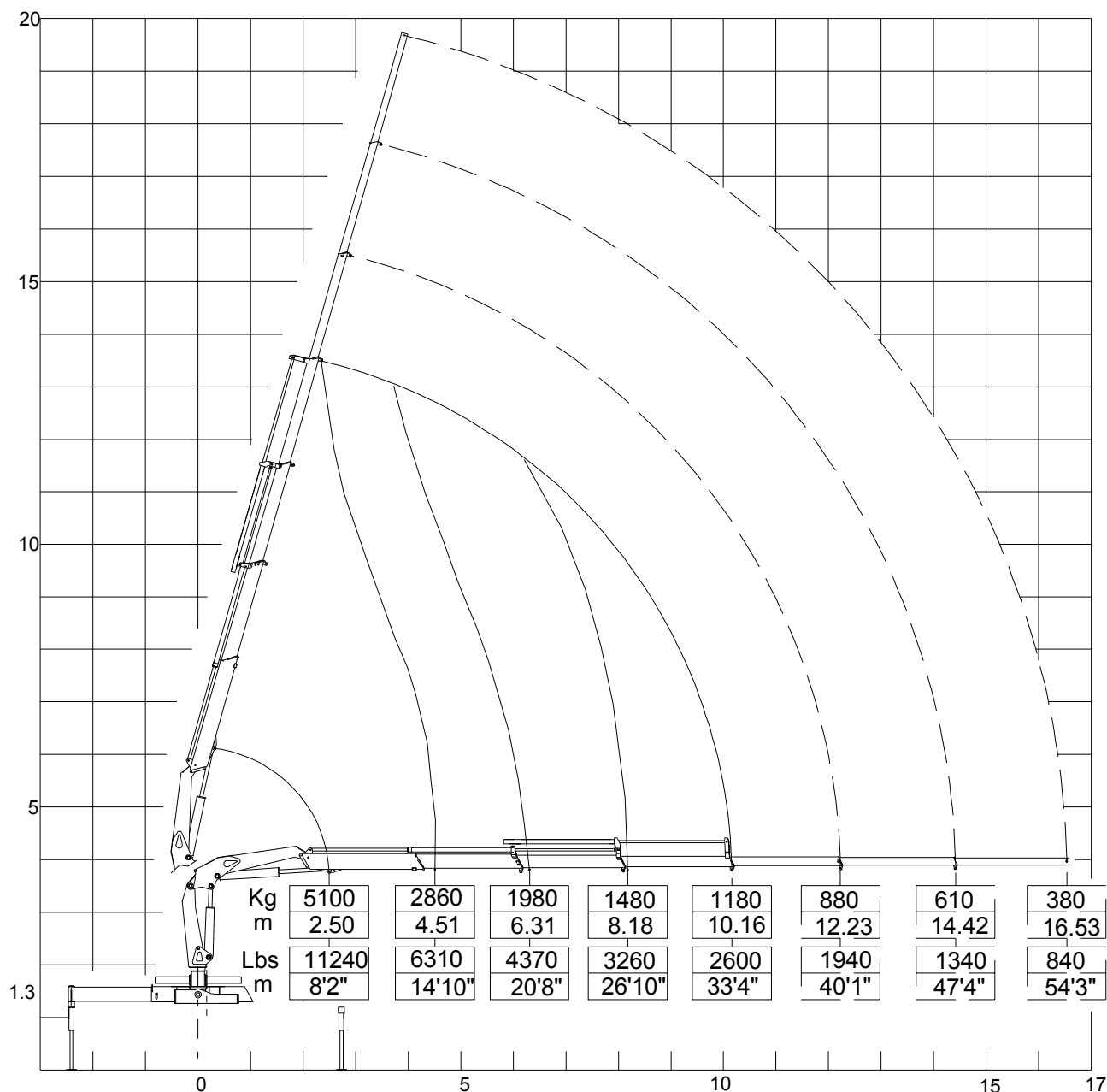


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Crane – Kran
Grue – Grua - Gru

AMCO  **VEBA**

DIAGRAMMA PORTATE
LOAD DIAGRAM
815 3S



815

Crane – Kran
Grue – Grua - Gru

AMCO  **VEBA**

DIAGRAMMA PORTATE
LOAD DIAGRAM
815 4S

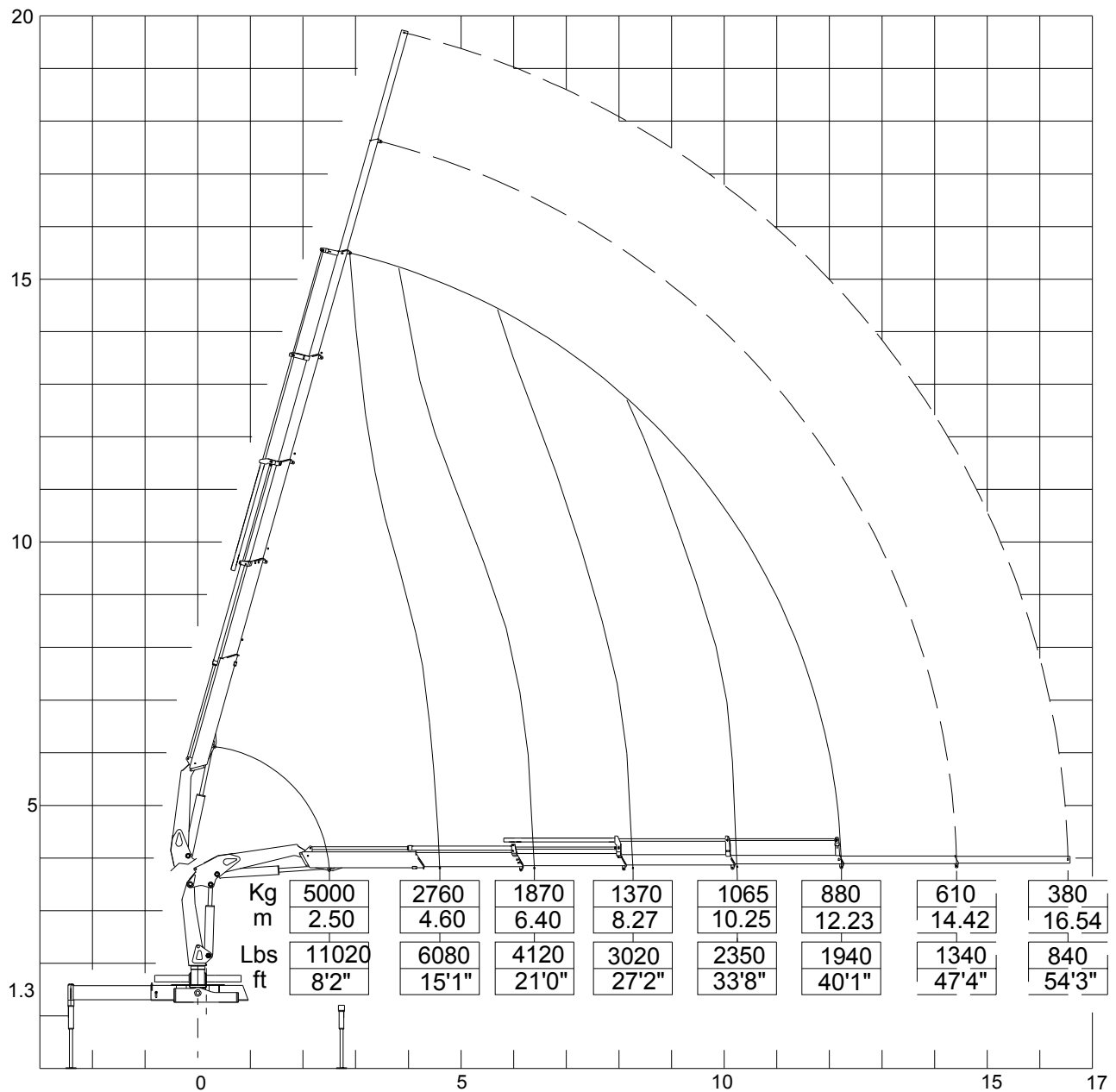


DIAGRAMMA PORTATE
LOAD DIAGRAM
815 5S

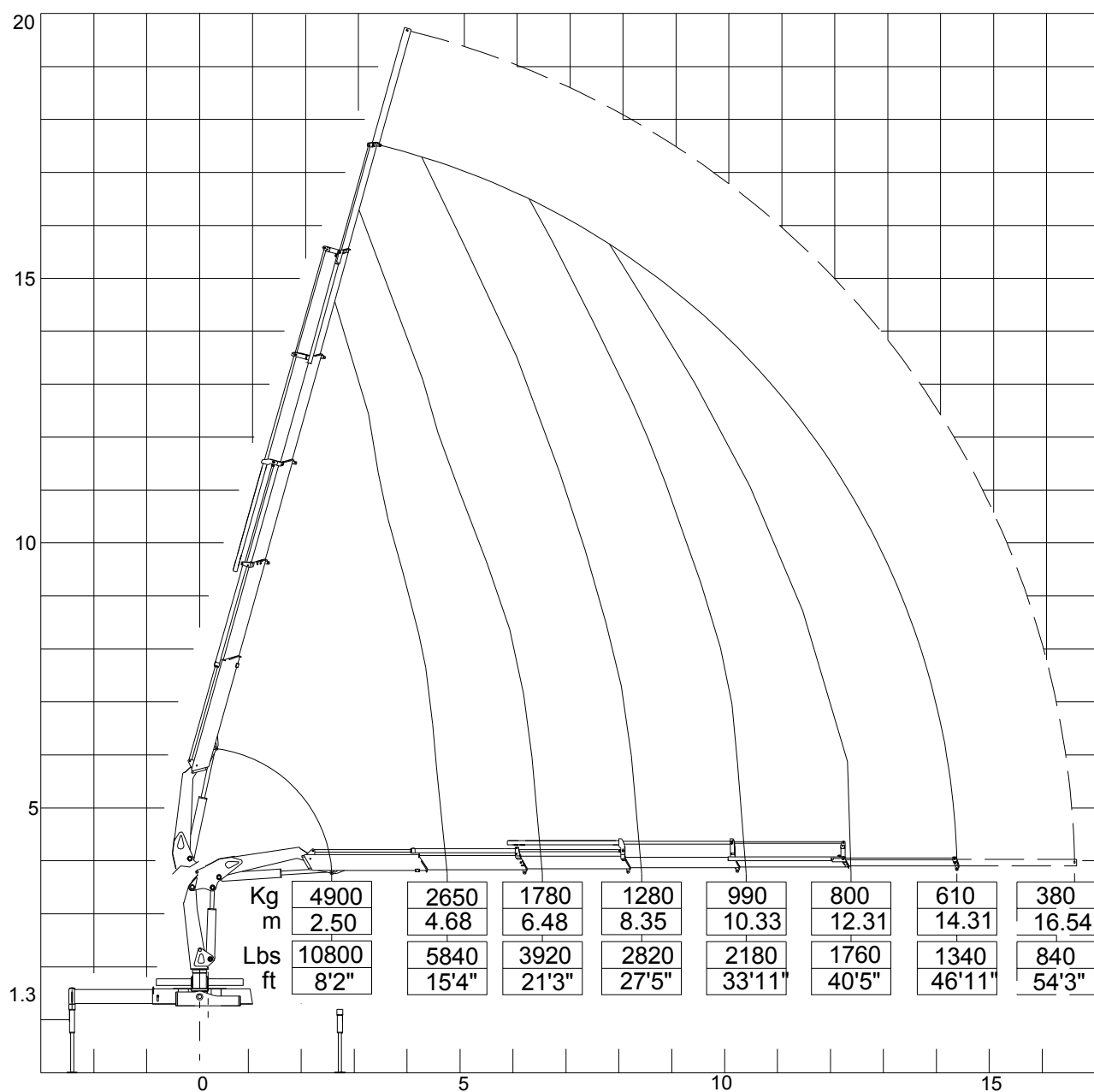
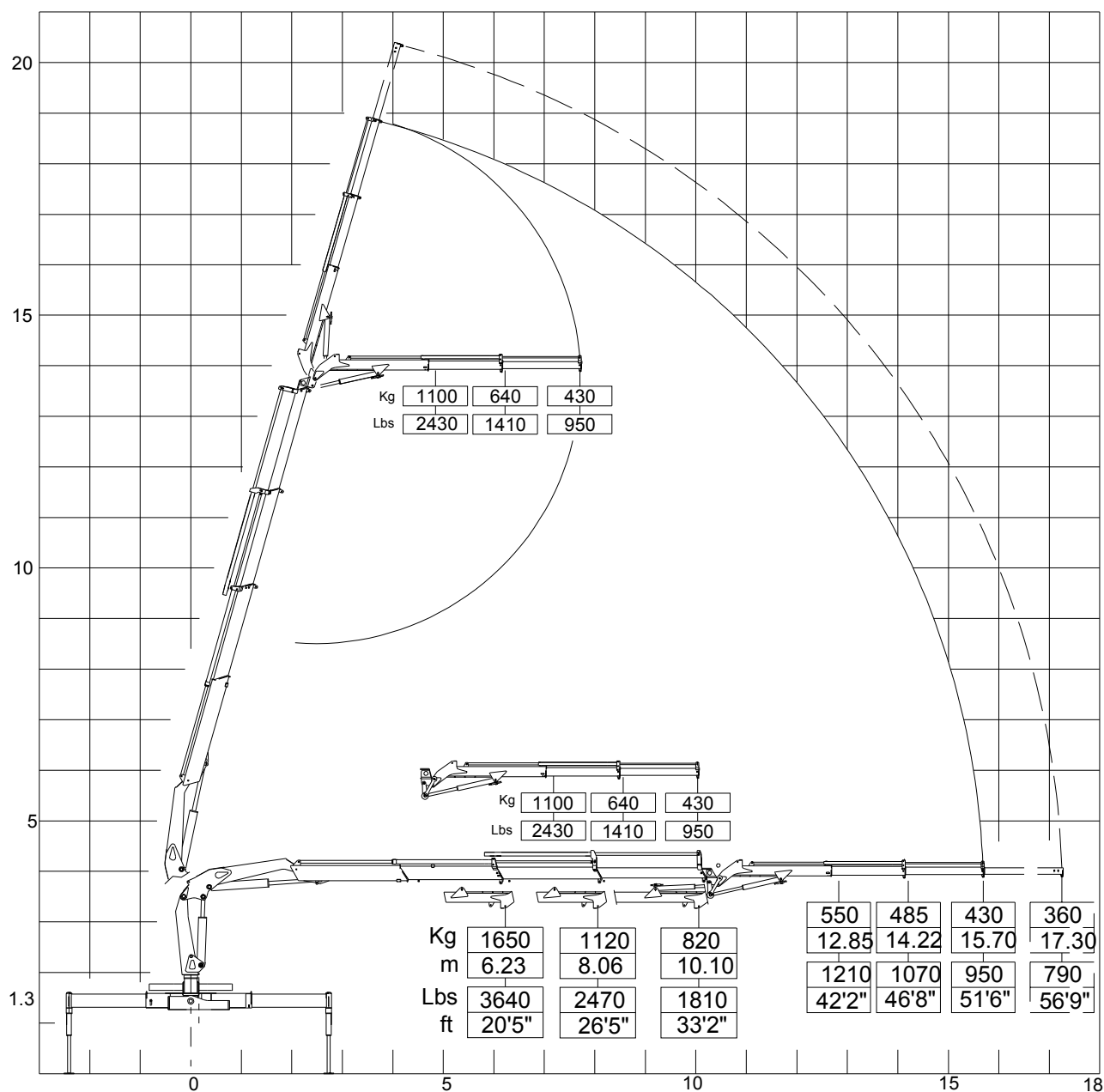
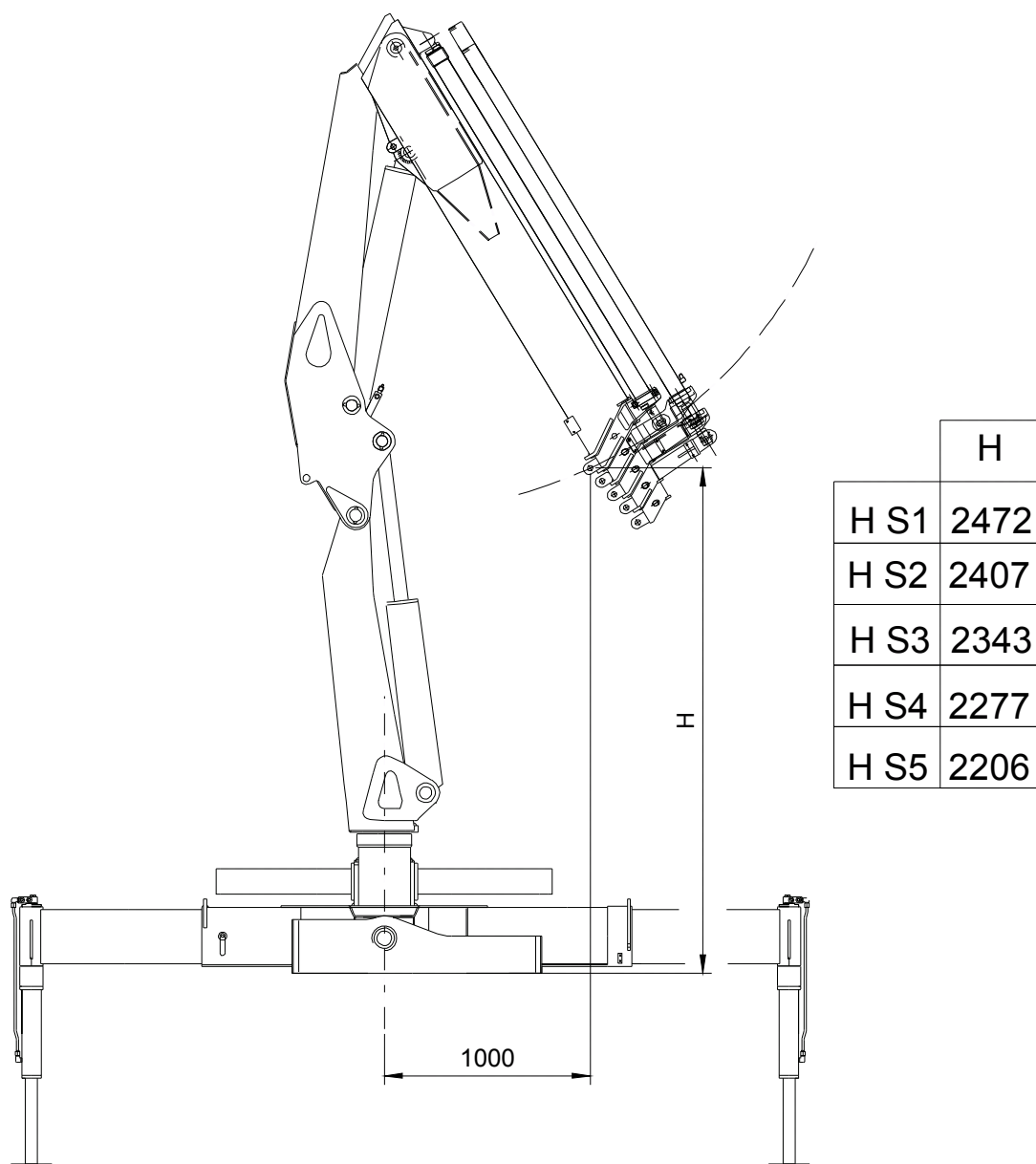


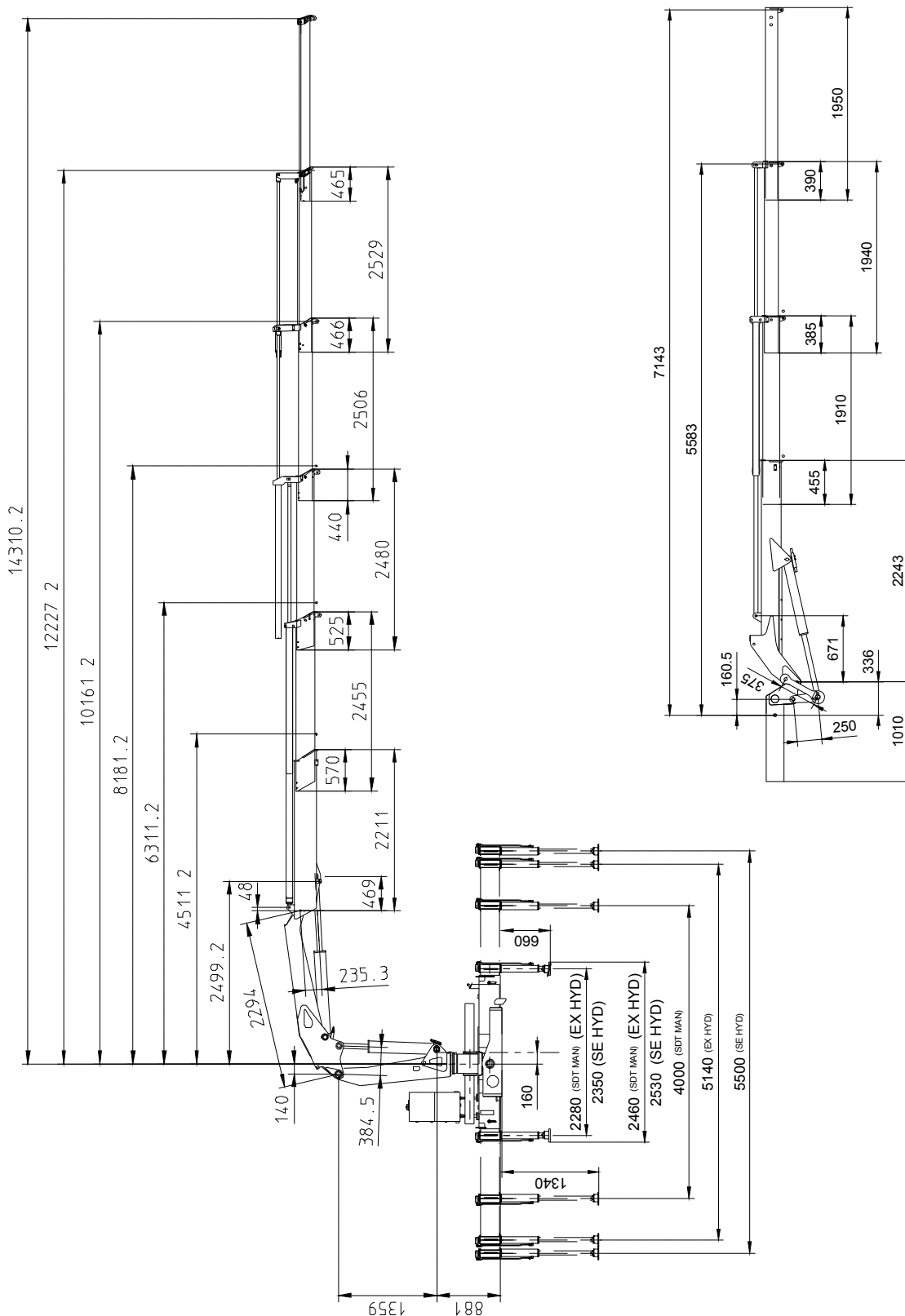
DIAGRAMMA PORTATE **LOAD DIAGRAM** **815 3SJ2**



ALTEZZA ATTACCO GANCIO HOOK HEIGHT



DIMENSIONI BASAMENTO – COLONNA – BRACCI BASE – COLUMN – BOOM DIMENSIONS



DIMENSIONALE CILINDRI E PERNI CYLINDERS AND PINS 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>	70 - 0
Interasse aperto - <i>Pitch (open)</i>	1743
Interasse chiuso - <i>Pitch (closed)</i>	1023
Corsa - <i>Stroke</i>	720
Ø perni articolazione - <i>Artic. pin Ø</i>	55
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	70 - 0
Interasse aperto - <i>Pitch (open)</i>	2195
Interasse chiuso - <i>Pitch (closed)</i>	1249
Corsa - <i>Stroke</i>	946
Ø perno fissaggio - <i>Fixing pin Ø</i>	55
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	3849
Interasse chiuso - <i>Pitch (closed)</i>	2049
Corsa - <i>Stroke</i>	1800
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 2° SFILO 2ND 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>	2010
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1870
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	C40 NORM.

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>	2120
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1980
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 4° SFILO 4TH EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	65
Diametro esterno - <i>Cyl. ext. diameter</i>	75
Diametro stelo - <i>Rod diameter</i>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2120
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1980
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 5° SFILO 5TH EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	60
Diametro esterno - <i>Cyl. ext. diameter</i>	70
Diametro stelo - <i>Rod diameter</i>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2100
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	2000
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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
Ø perno fissaggio - <i>Fixing pin Ø</i>	-
Mat. perno/i - <i>Pin steel</i>	-

DIMENSIONALE CILINDRI E PERNI JIB JIB CYLINDERS AND PINS DIMENSIONS

CILINDRO ARTICOLAZIONE JIB JIB ARTICULATION CYLINDER

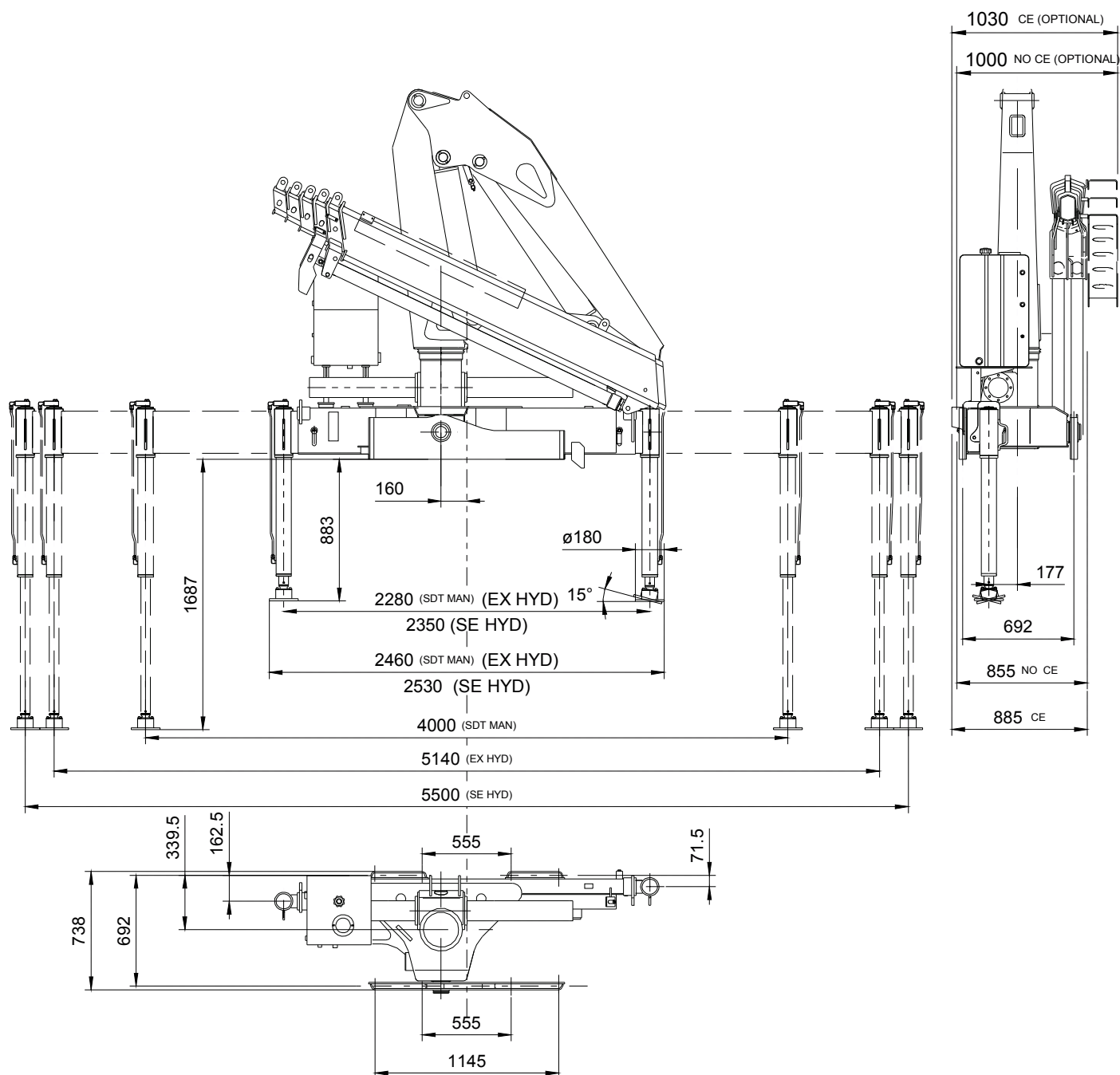
Alesaggio - <i>Cylinder bore</i>	80
Diametro esterno - <i>Cyl. ext. diameter</i>	90
Diametro stelo - <i>Rod diameter</i>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	1427
Interasse chiuso - <i>Pitch (closed)</i>	842
Corsa - <i>Stroke</i>	585
Ø perno fissaggio - <i>Fixing pin Ø</i>	45 - 30
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 1° SFILO JIB 1ST EXTENSION CYL. OF JIB

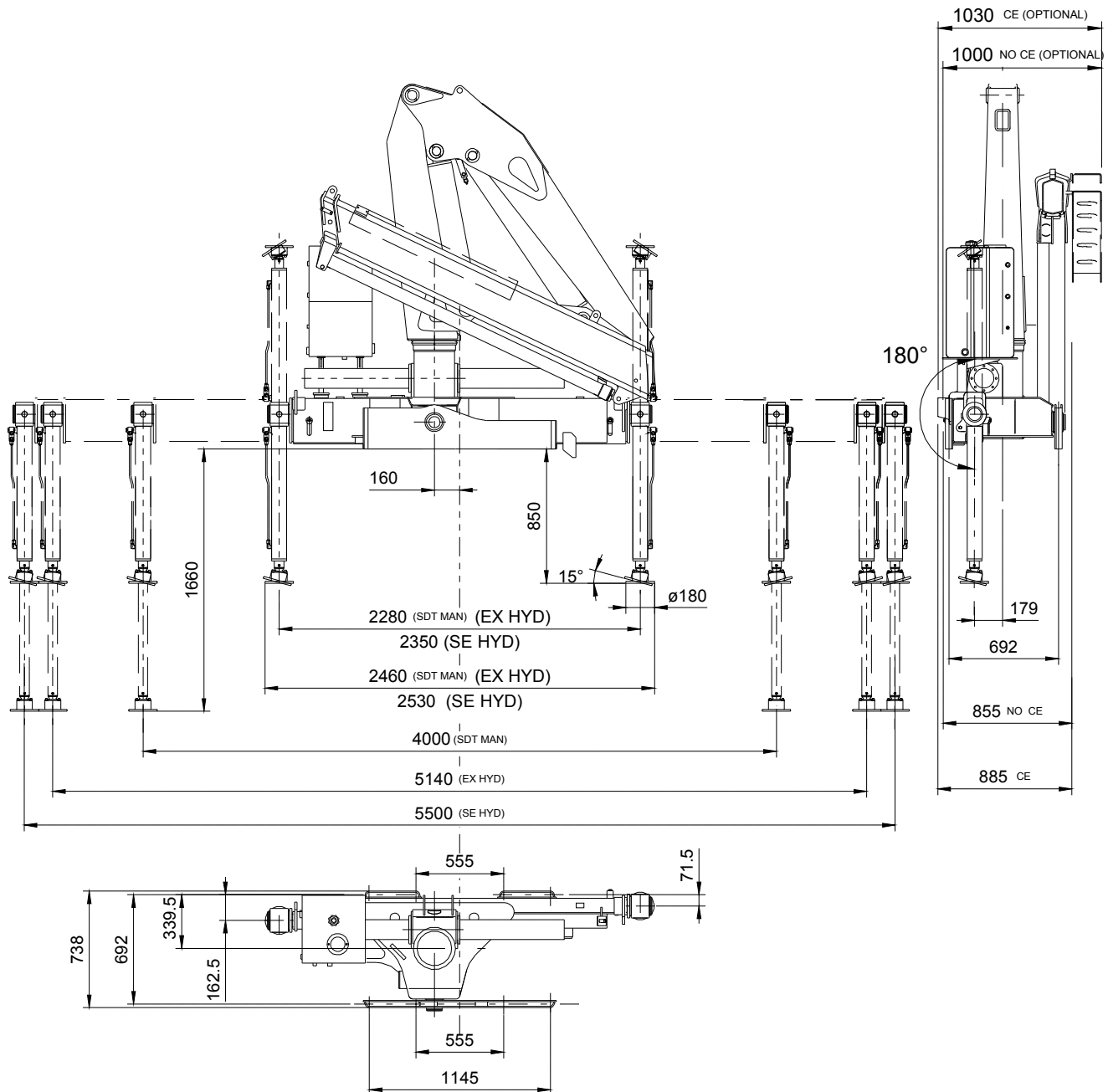
Alesaggio - <i>Cylinder bore</i>	55
Diametro esterno - <i>Cyl. ext. diameter</i>	65
Diametro stelo - <i>Rod diameter</i>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2997
Interasse chiuso - <i>Pitch (closed)</i>	1617
Corsa - <i>Stroke</i>	1380
Ø perni articolazione - <i>Artic. pin Ø</i>	30
Materiale perno/i - <i>Pin steel</i>	C40 NORM.

Alesaggio - <i>Cylinder bore</i>	50
Diametro esterno - <i>Cyl. ext. diameter</i>	60
Diametro stelo - <i>Rod diameter</i>	30 - 0
Interasse aperto - <i>Pitch (open)</i>	1568
Interasse chiuso - <i>Pitch (closed)</i>	88
Corsa - <i>Stroke</i>	1480
Ø perno fissaggio - <i>Fixing pin Ø</i>	20
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI
BASE DIMENSIONS WITH LONG STABILIZERS



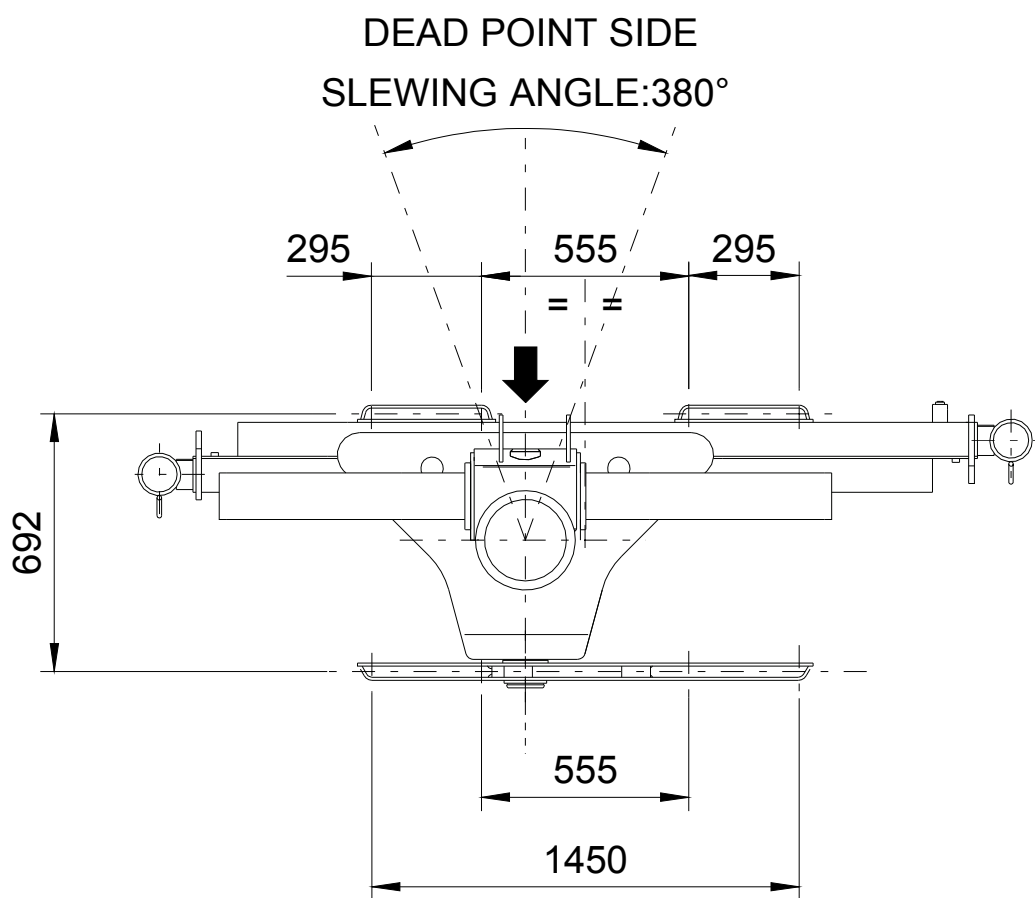
DIMENSIONI BASAMENTO CON CILINDRI STABILIZZATORI ROTANTI STD
BASE DIMENSIONS WITH TILTING STD CYLINDERS



TRAVERSA CON STABILIZZATORI GIREVOLI LUNGI NON DISPONIBILE
CROSSBAR WITH LONG TILTING CYLINDER NOT AVAILABLE

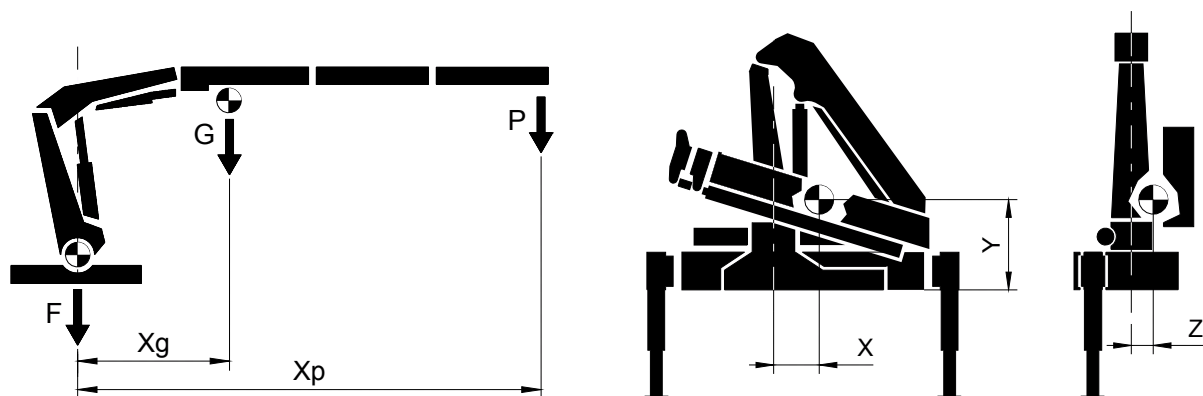
TIRANTI DI STAFFAGGIO E VITI ROTAZIONE

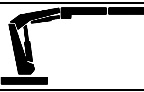
TIE MOUNTING RODS & ROTATION SCREWS



Tiranti di staffaggio Tie mounting rods	N°8 M24x2 39NiCrMo3 QT
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

PESI – BARICENTRI
WEIGHTS – CENTER OF GRAVITY
815

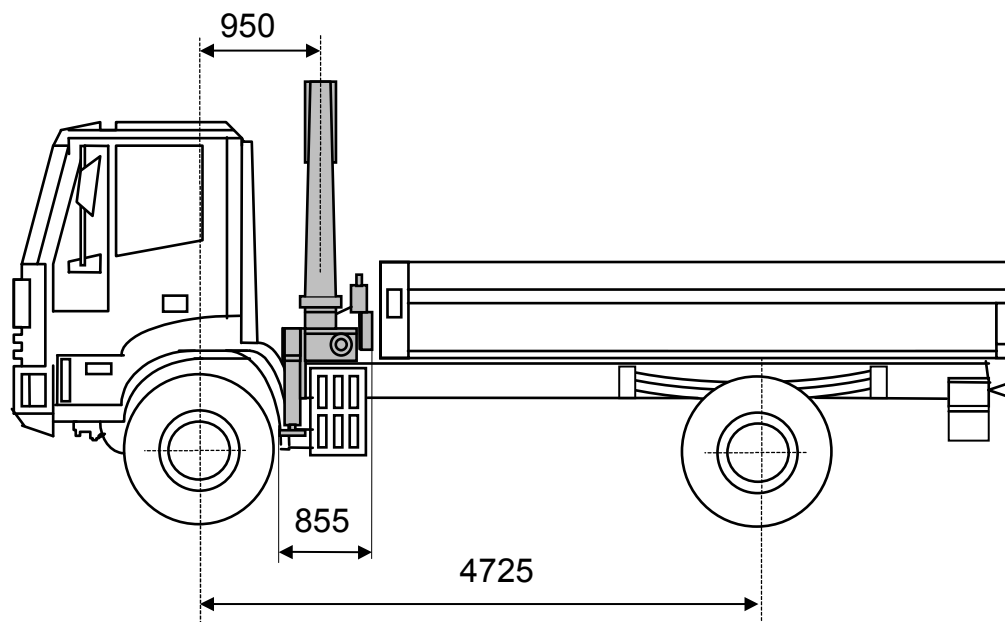


815	F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	(X,Y,Z) mm
1S 	STD-M: 1085 EX-M: 1140 EX-H: 1185 SE-H: 1195	595	2.49	2240	6.14	2800	(143; 764; 4)
2S 		725	3.19	1600	8.10	2000	(142; 781; 27)
3S 		845	3.90	1180	10.16	1482	(136; 793; 45)
4S 		945	4.56	880	12.23	1129	(129; 808; 58)
5S 		1035	5.20	610	14.31	805	(120; 823; 69)
3SJ2 		1155	5.71	430	15.7	599	(135; 919; 82)

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 = 4185 kg

Tara ammissibile asse anteriore = 7500 kg Allowable front axle weight = 7500 kg

Asse posteriore

Tara asse posteriore = 2115 kg

CHASSIS DATA

Front axle

Front axle tare weight = 4185 kg

Front axle allowable weight = 7500 kg

Rear axle

Rear axle tare weight = 2115 kg

PESI ALLESTIMENTO

Peso cassone = 600 kg

Peso gru = 2200 kg (815 5S EX hydr.)

Peso controtelaio = 150 kg

OUTFIT WEIGHTS

Body weight = 600 kg

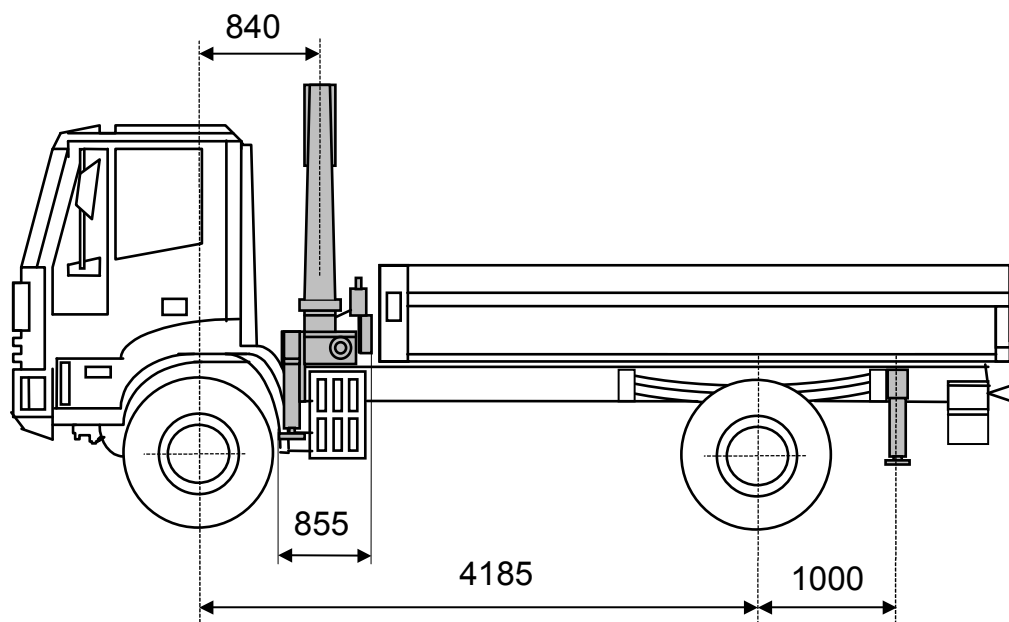
Crane weight = 2200 kg (815 5S EX hydr.)

Counterframe weight = 150 kg

Coefficiente di stabilità = 1,47

Stability index = 1,47

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 130 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2815 kg

Tara ammissibile asse anteriore = 4800 kg

Asse posteriore

Tara asse posteriore = 1375 kg

CHASSIS DATA

Front axle

Front axle tare weight = 2815 kg

Allowable front axle weight = 4800 kg

Rear axle

Rear axle tare weight = 1375 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Massa gru = 2220 kg (815 5S EX. hydr.)

Massa controtelaio = 390 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 1690 kg (815 5S EX. hydr.)

Counterframe weight = 390 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 250 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 250Kg

Coefficiente di stabilità = 1,42

Stability index = 1,42

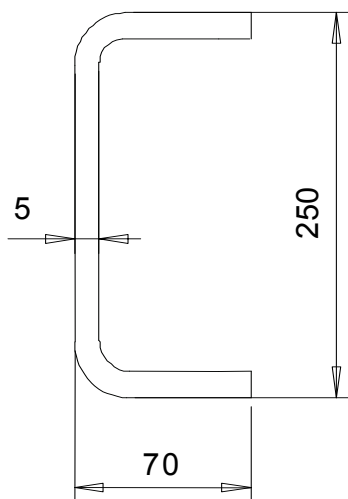
CONTROTELAIO MINIMO
MIN COUNTERFRAME**Momento dinamico max (daNm)**

Max dynamic moment

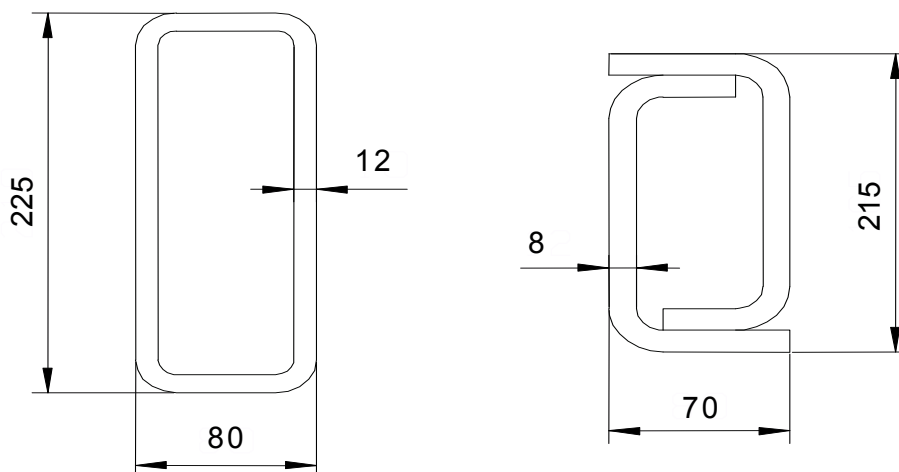
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Sezione telaio minima (autocarro PTT=130 q) (materiale Fe510 - S355)

Min frame section (truck GVW 13 ton) (steel S355)

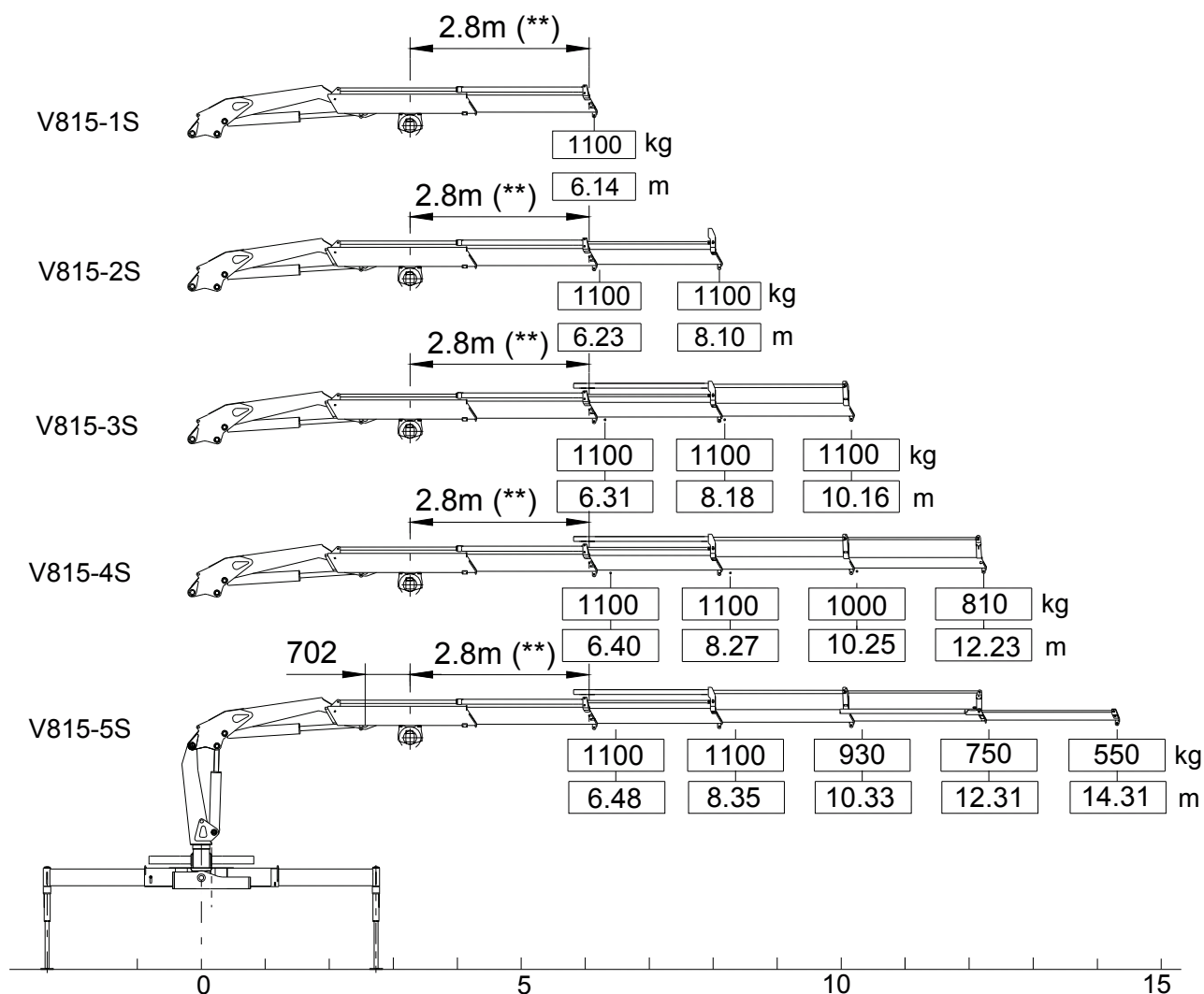
**Sezione minima contro telaio (materiale Fe510 - S355)**

Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg) Max winch direct pull (kg)	1100 kg
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(**) = 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	420 kg
Pressione max. di esercizio Max working pressure	200 bar

