816T-818T

RACCOLTA TECNICA

TECHNICAL BOOK

Rev.2014-06

CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) 816T-818T Max dynamic moment	18000

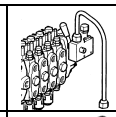
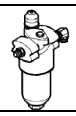
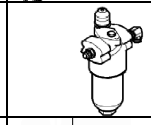
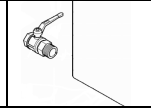
	Versione	816T	818T
Portata max (kg) Max load	2S	6160	6550
	4S	5730	6100
	6S	5480	5880

	Versione	Stab. Std.	Stab. EX	SE hydr.
Massa in ordine di lavoro 816T (kg) Crane 816T weight	2S	1560	1660	1670
	4S	1780	1880	1890
	6S	1940	2040	2050

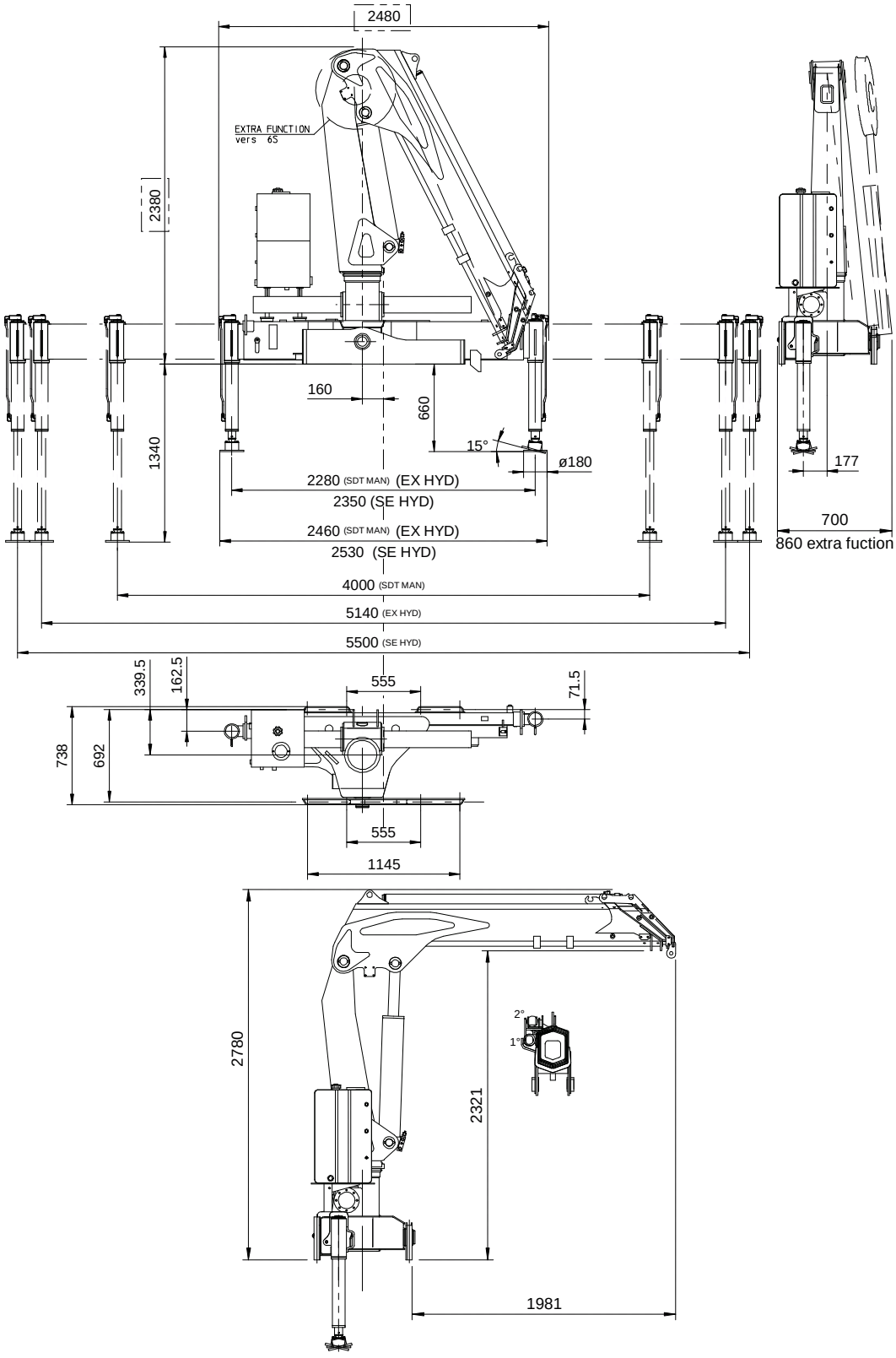
	Versione	Stab. STD	Stab. EX	SE hydr.
Massa in ordine di lavoro 818T (kg) Crane 818T weight	2S	1580	1680	1690
	4S	1800	1900	1910
	6S	1960	2060	2070

	STD	EX	SE
Reazione massima sullo stabilizzatore (daN) Max force on stabilizer leg	9845	7515	6750
Max pressione al suolo stabilizzatori (daN/cm^2) Max stabilizer pressure on the ground	39	30	27

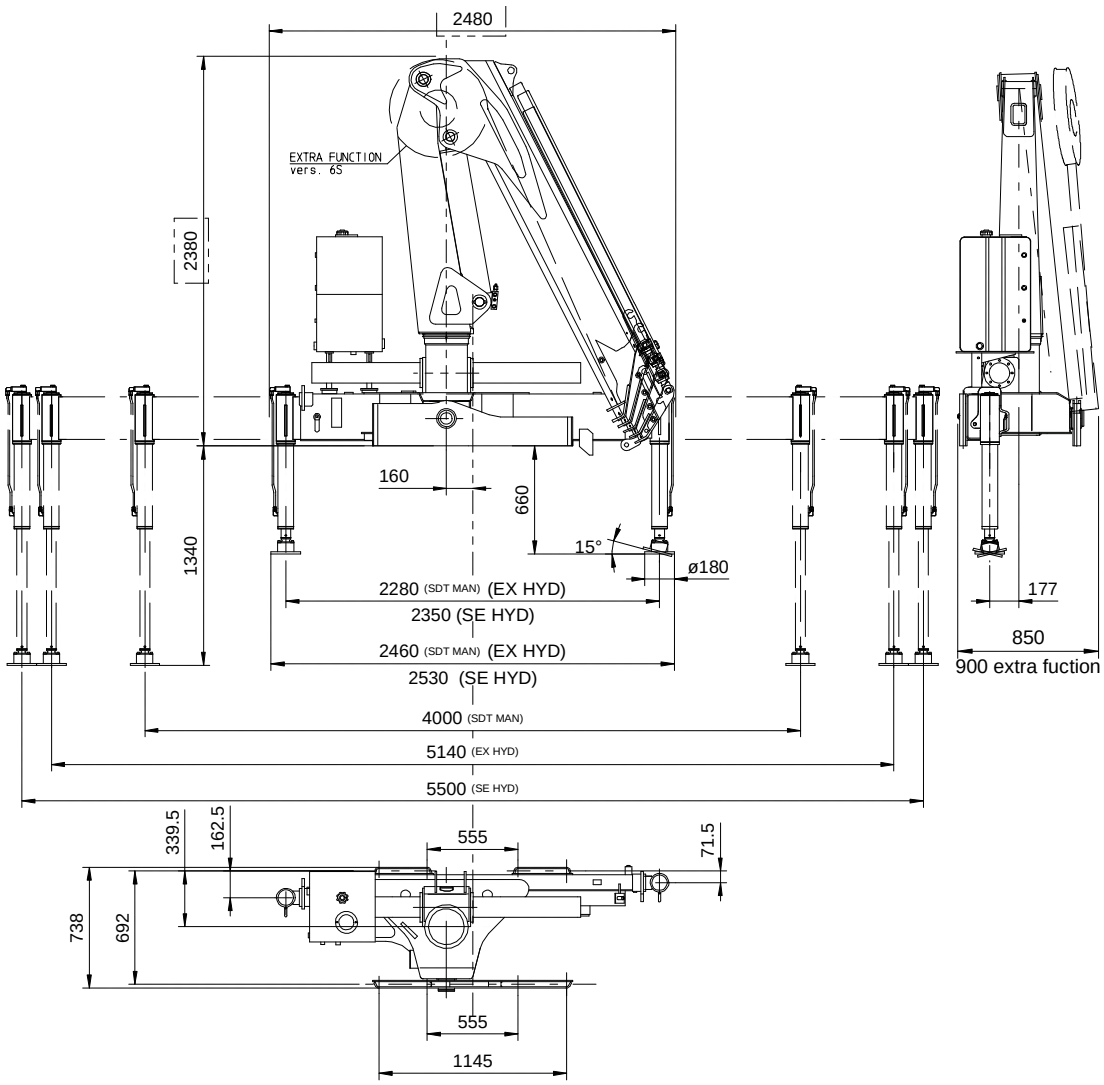
Pressione massima di esercizio Max working pressure	280 bar **816T** 290 bar **818T**
Portata massima di olio Max oil flow to main relief valve	30 l/min
Capacità serbatoio olio Oil tank capacity	100 dm^3
Coppia di rotazione Slewing moment	1825 daNm
Angolo di rotazione Slewing angle	380°
Potenza assorbita Absorbed power	18.2 kW 24.4 HP
Normativa di calcolo Design standard	DIN 15018

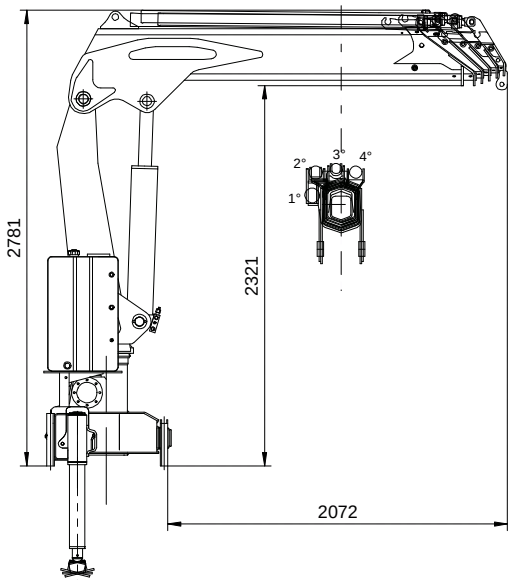
Raccordi di collegamento con pompa Fittings for connection with pump		**NO RDC**	**RDC**	
Linea di pressione distributore 816T Control valve pressure line		**F** 7/8" - 14 Jic		**M** 7/8" - 14 Jic
Linea di pressione distributore 818T Control valve pressure line		**M** 7/8" - 14 Jic	**M** 7/8" - 14 Jic	
Linea di aspirazione serbatoio Tank suction line		**F** 1" 1/2 BSP	**F** 1" 1/2 BSP	

DIMENSIONI DI INGOMBRO
DIMENSIONS
816T-818T 2S

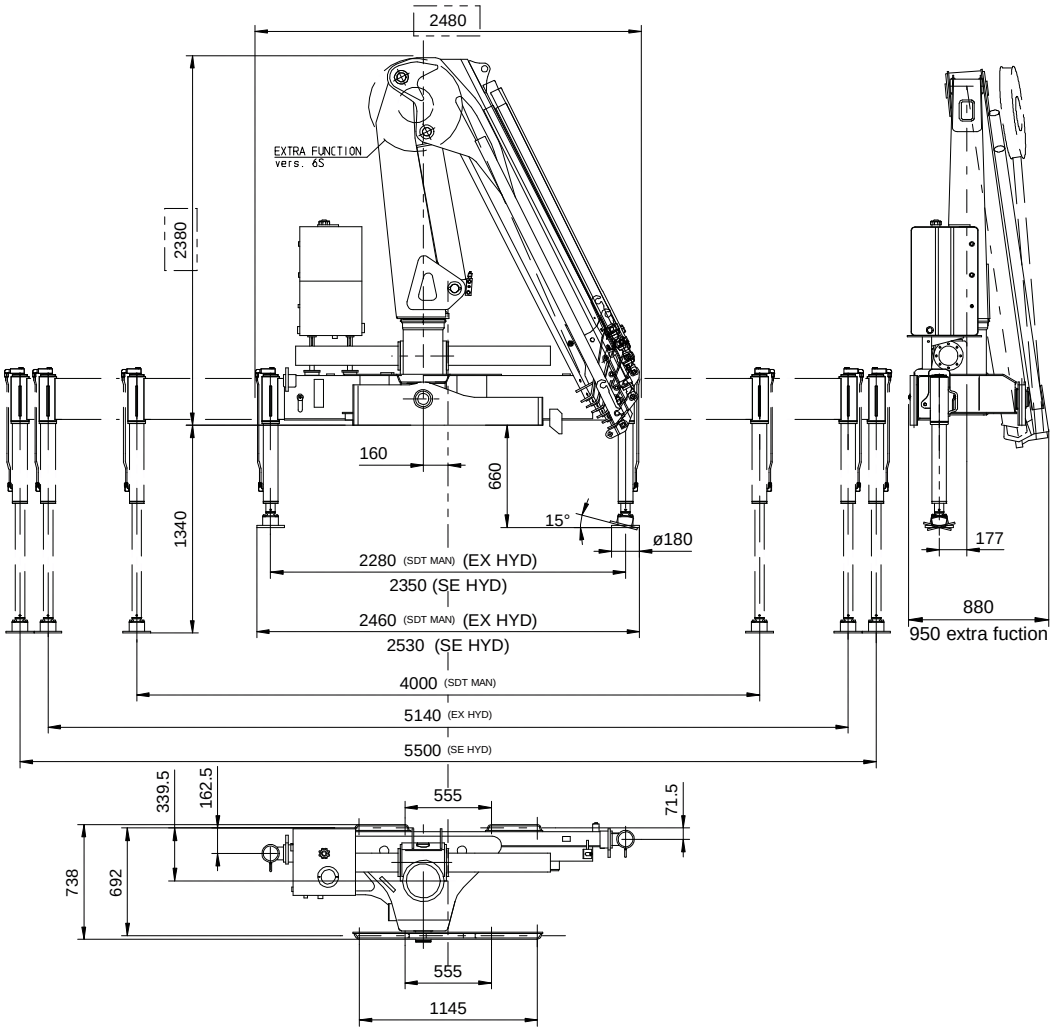


DIMENSIONI DI INGOMBRO
DIMENSIONS
816T-818T 4S





DIMENSIONI DI INGOMBRO
DIMENSIONS
816T-818T 6S



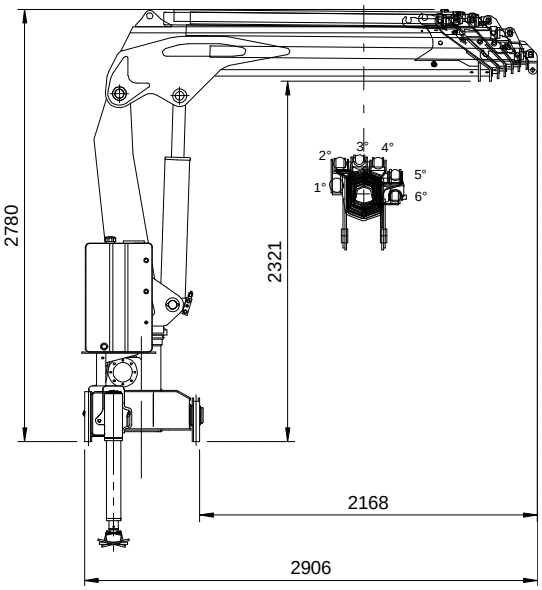


DIAGRAMMA PORTATE
LOAD DIAGRAM
816T 2S

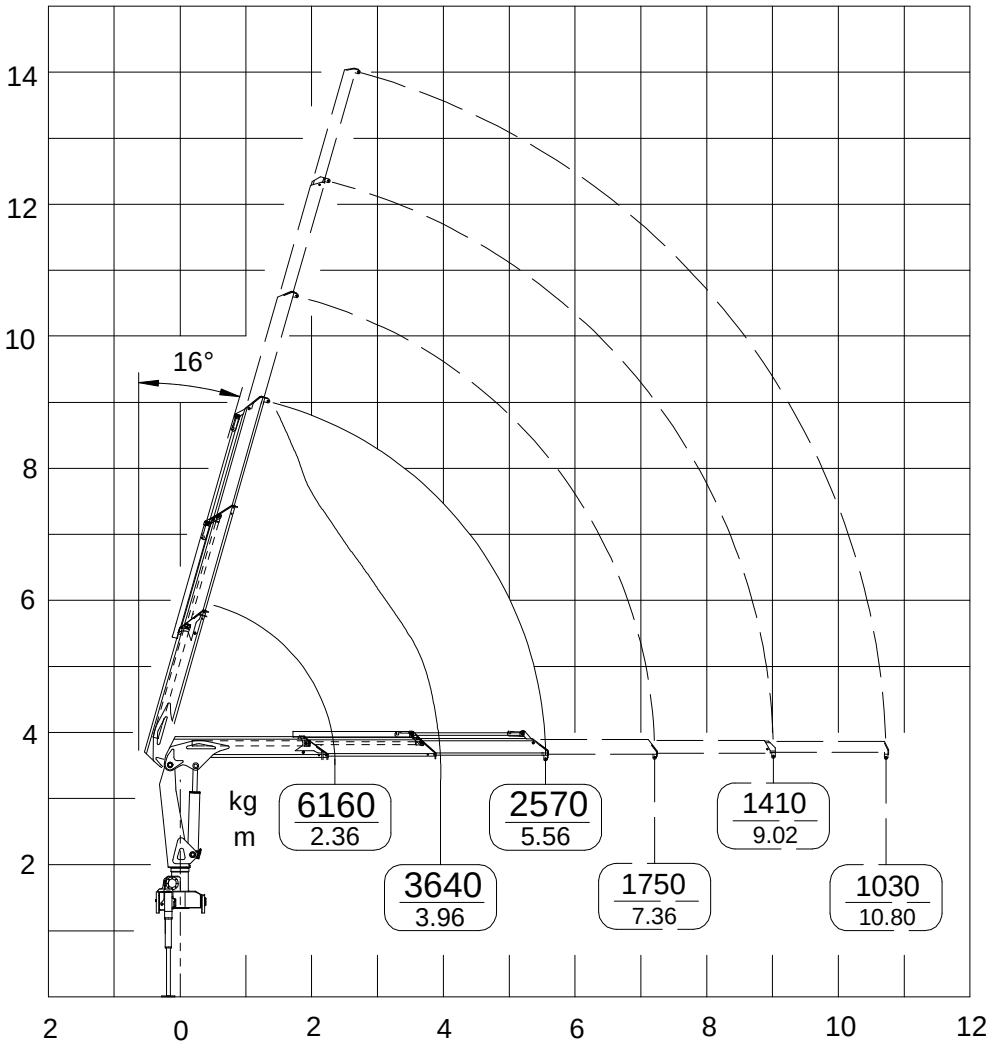


DIAGRAMMA PORTATE
LOAD DIAGRAM
816T 4S

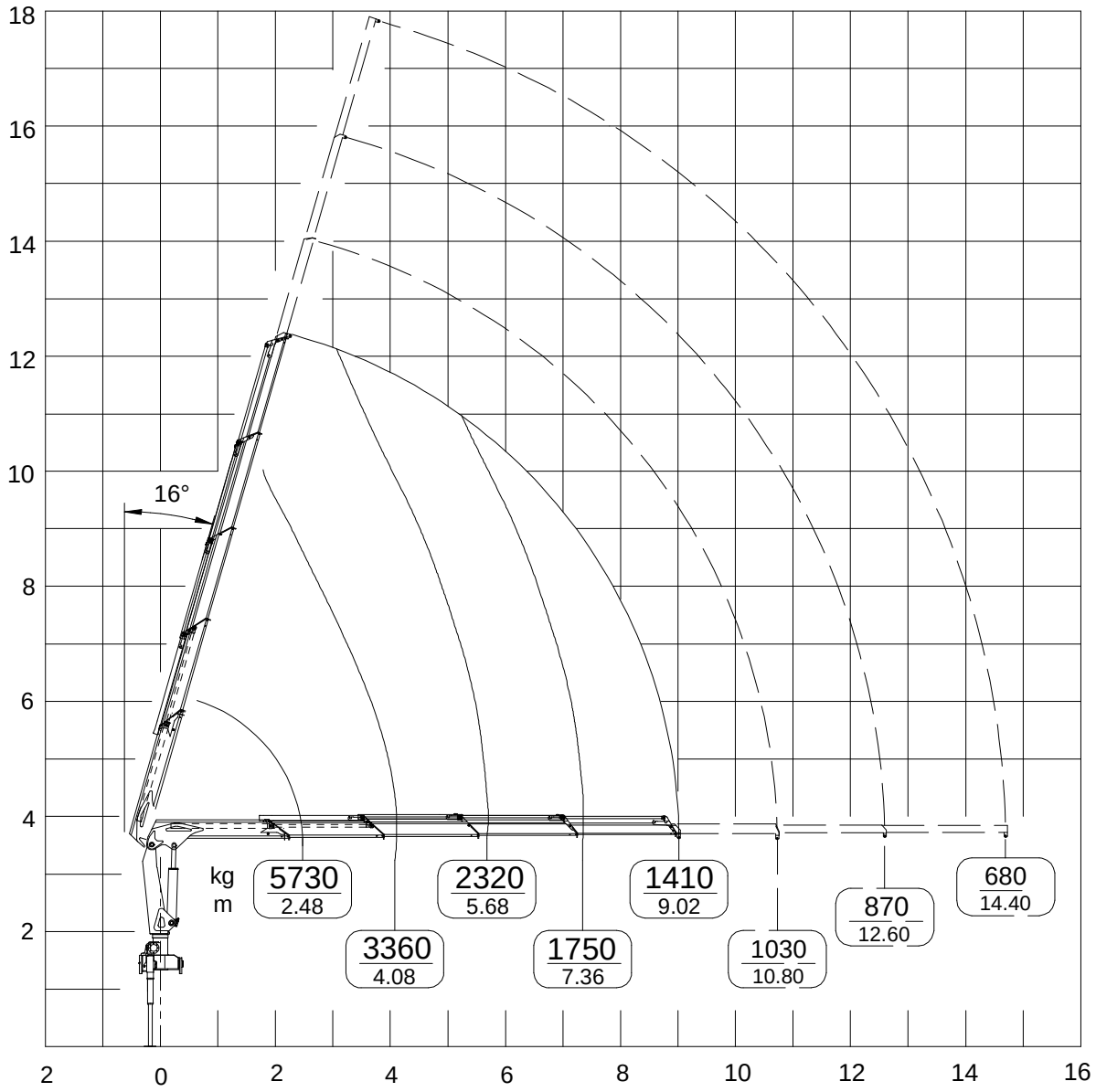


DIAGRAMMA PORTATE
LOAD DIAGRAM
816T 6S

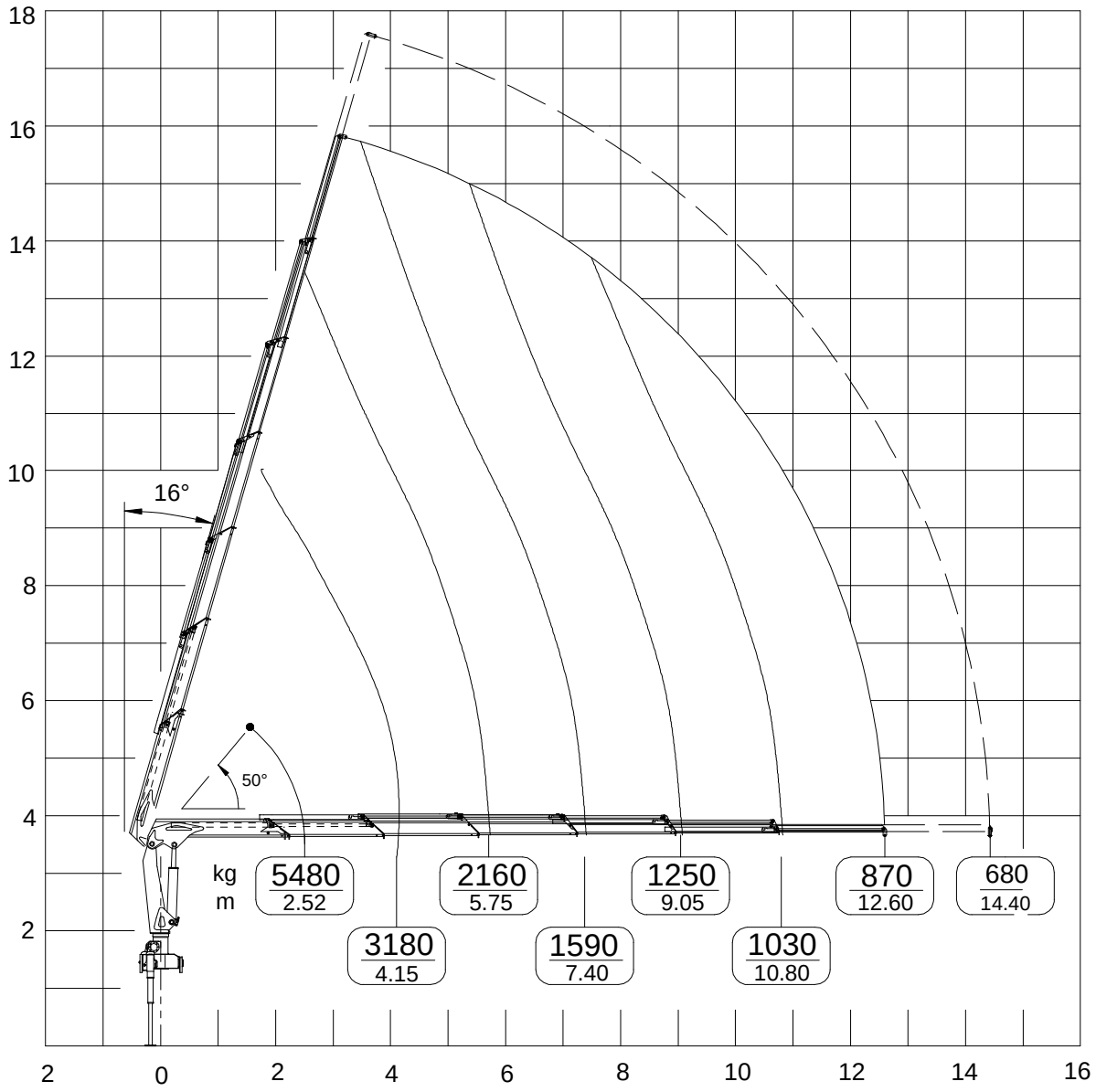


DIAGRAMMA PORTATE
LOAD DIAGRAM
818T 2S

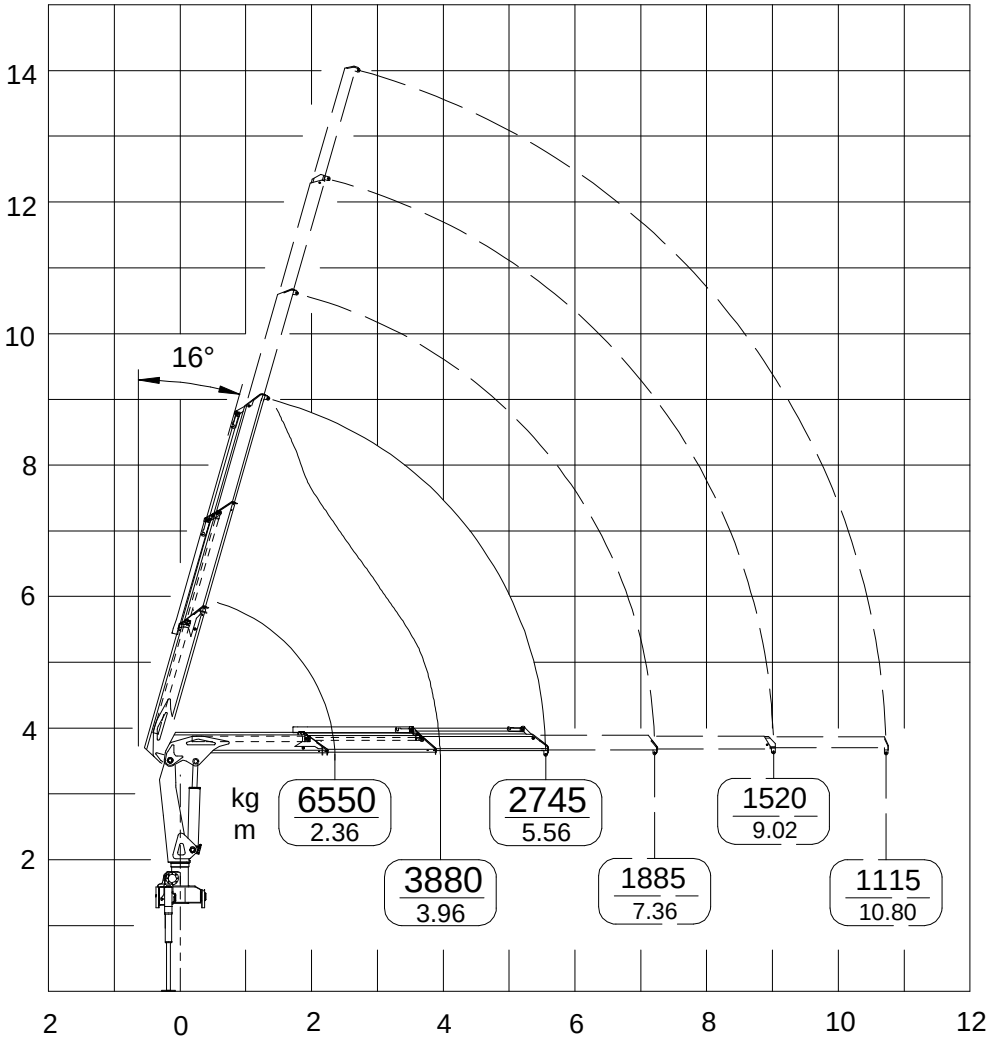


DIAGRAMMA PORTATE
LOAD DIAGRAM
818T 4S

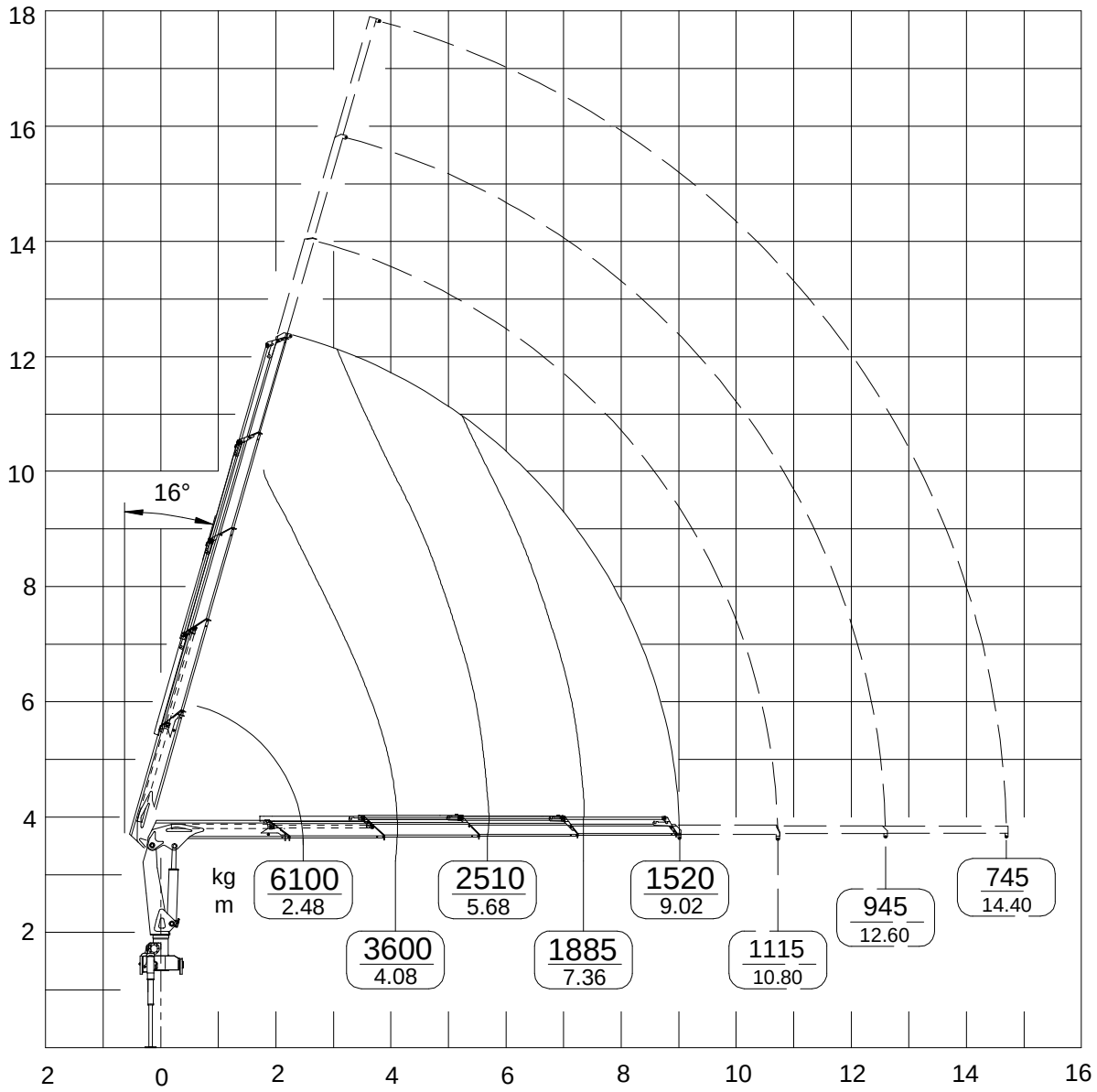
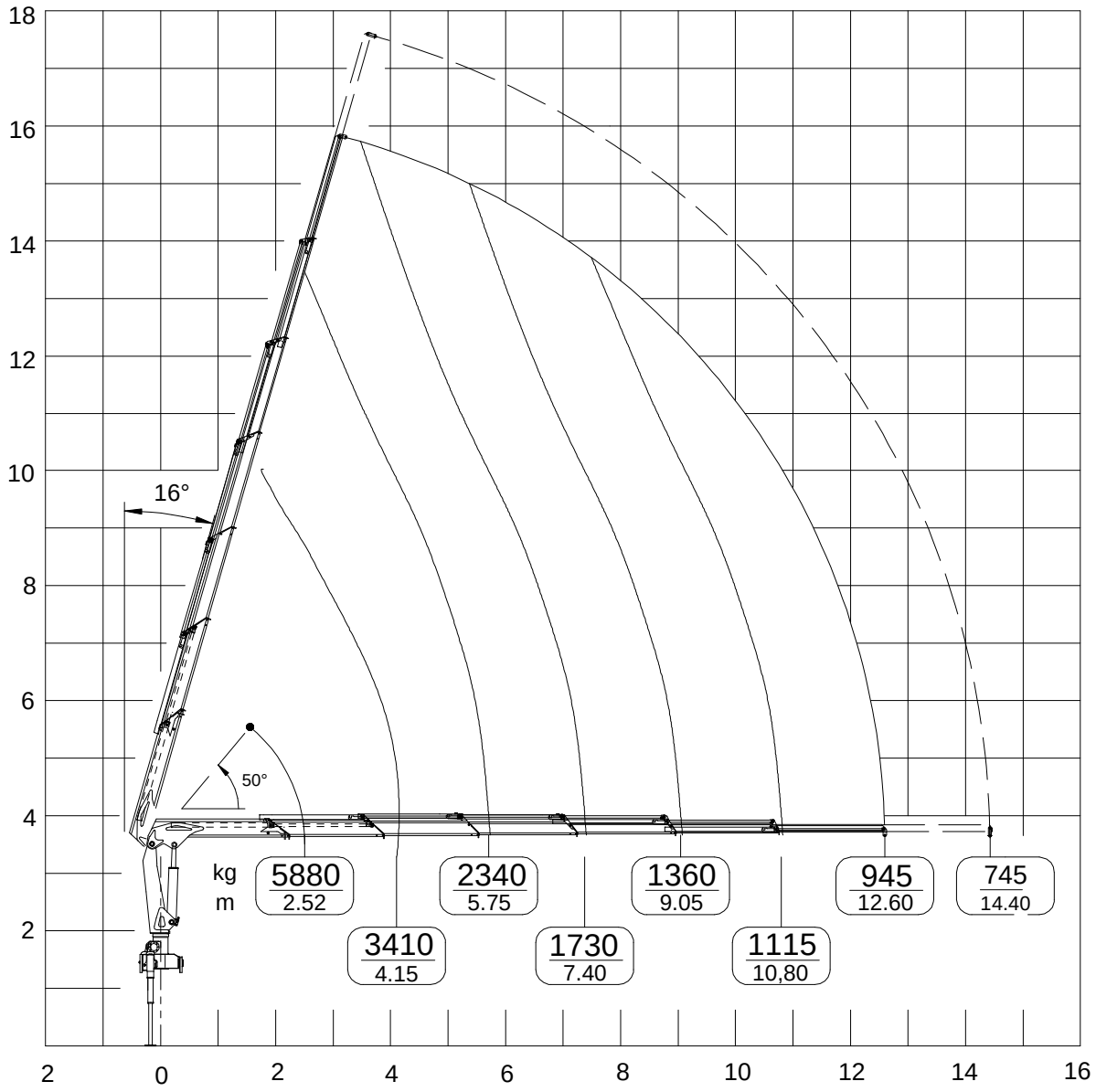
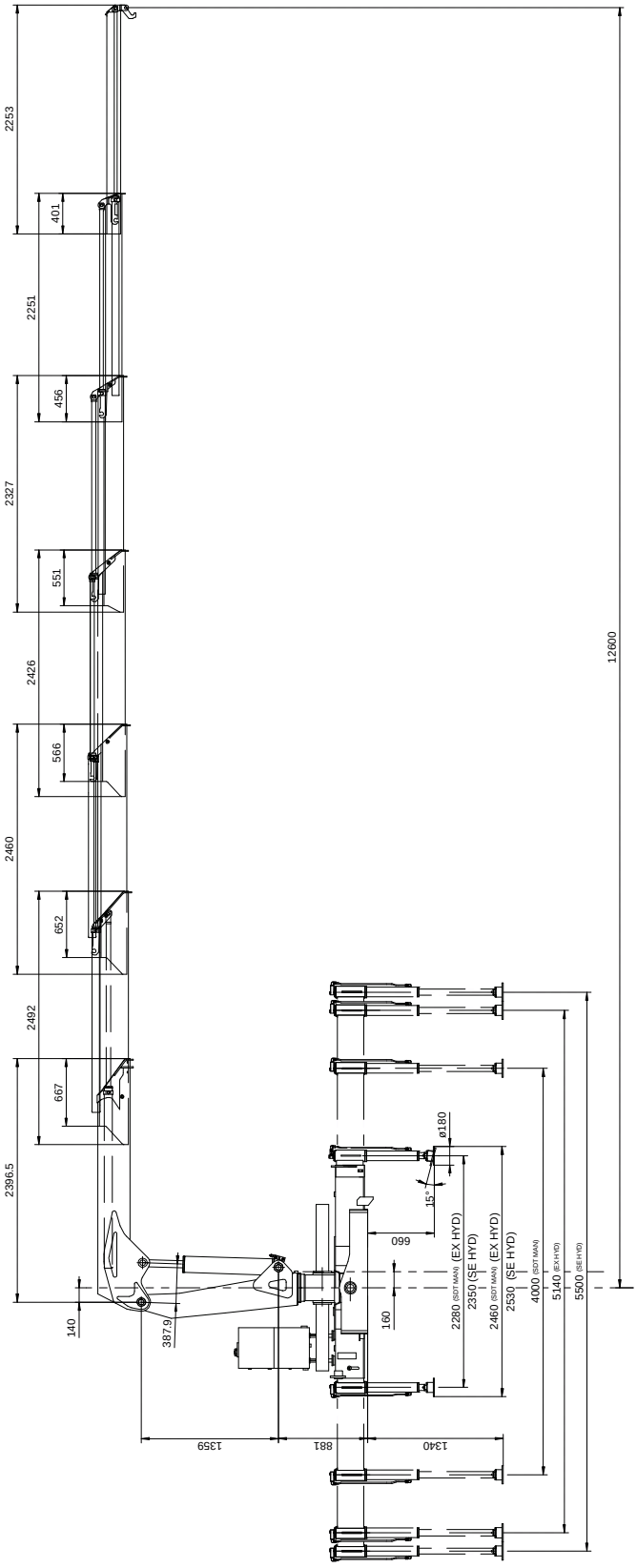


DIAGRAMMA PORTATE
LOAD DIAGRAM
818T 6S



DIMENSIONALE
DIMENSIONS



DIMENSIONALE CILINDRI E PERNI
CYLINDERS AND PINS DIMENSIONS

CILINDRO DI SOLLEVAMENTO
LIFTING CYLINDER

Alesaggio - *Cylinder bore*	140
Diametro esterno - *Cyl. ext. diameter*	160
Diametro stelo - *Rod diameter*	70 - 0
Interasse aperto - *Pitch (open)*	1743
Interasse chiuso - *Pitch (closed)*	1023
Corsa - *Stroke*	720
∅ perni articolazione - *Artic. pin* ∅	55
Materiale perno/i - *Pin steel*	39NiCrMo3 BNF

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*	636
∅ perno fissaggio - *Fixing pin* ∅	-
Mat. perno/i - *Pin steel*	-

CILINDRO 1° - 2° SFILO
1ST - 2ND JIB EXTENSION CYL.

Alesaggio - *Cylinder bore*	70
Diametro esterno - *Cyl. ext. diameter*	80
Diametro stelo - *Rod diameter*	45 - 30
Interasse aperto - *Centers (open)*	1704
Interasse chiuso - *Centers (closed)*	104
Corsa - *Stroke*	1600
∅ perno fissaggio - *Fixing pin* ∅	25
Materiale perno/i - *Pin material*	42CrMo4 BNF

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

Alesaggio - *Cylinder bore*	65
Diametro esterno - *Cyl. ext. diameter*	75
Diametro stelo - *Rod diameter*	40 - 25
Interasse aperto - *Centers (open)*	1774
Interasse chiuso - *Centers (closed)*	104
Corsa - *Stroke*	1670
∅ perno fissaggio - *Fixing pin* ∅	25
Materiale perno/i - *Pin material*	42CrMo4 BNF

CILINDRO 5° SFILO
5TH JIB EXTENSION CYL.

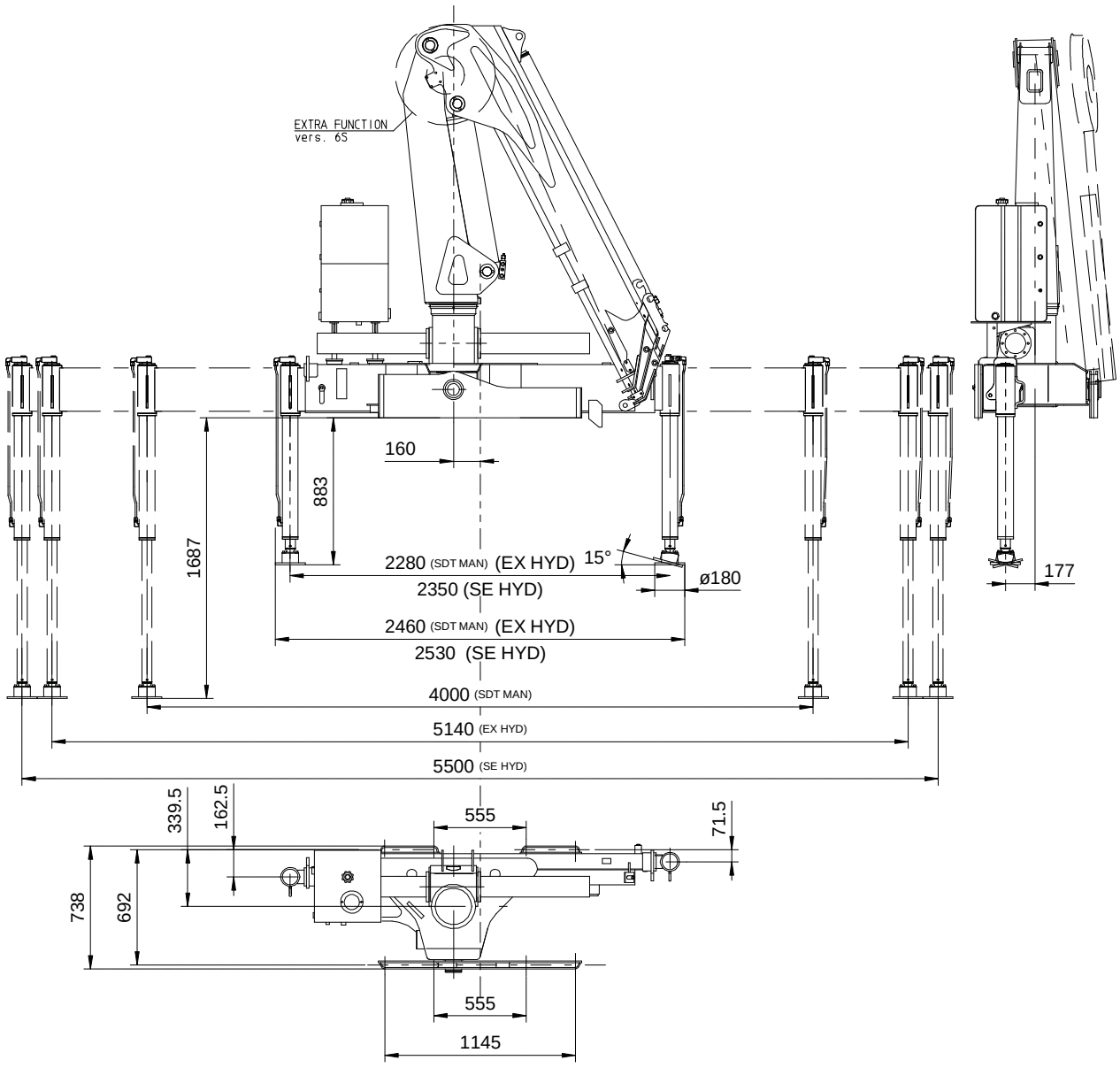
Alesaggio - *Cylinder bore*	60
Diametro esterno - *Cyl. ext. diameter*	70
Diametro stelo - *Rod diameter*	35 - 25
Interasse aperto - *Centers (open)*	1854
Interasse chiuso - *Centers (closed)*	104
Corsa - *Stroke*	1750
∅ perno fissaggio - *Fixing pin* ∅	25
Materiale perno/i - *Pin material*	42CrMo4 BNF

CILINDRO 6° SFILO
6TH JIB EXTENSION CYL.

Alesaggio - *Cylinder bore*	60
Diametro esterno - *Cyl. ext. diameter*	70
Diametro stelo - *Rod diameter*	30 - 0
Interasse aperto - *Centers (open)*	1900
Interasse chiuso - *Centers (closed)*	100
Corsa - *Stroke*	1800
∅ perni articolazione - *Artic. pin* ∅	25
Materiale perno/i - *Pin material*	42CrMo4 BNF

DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGHI

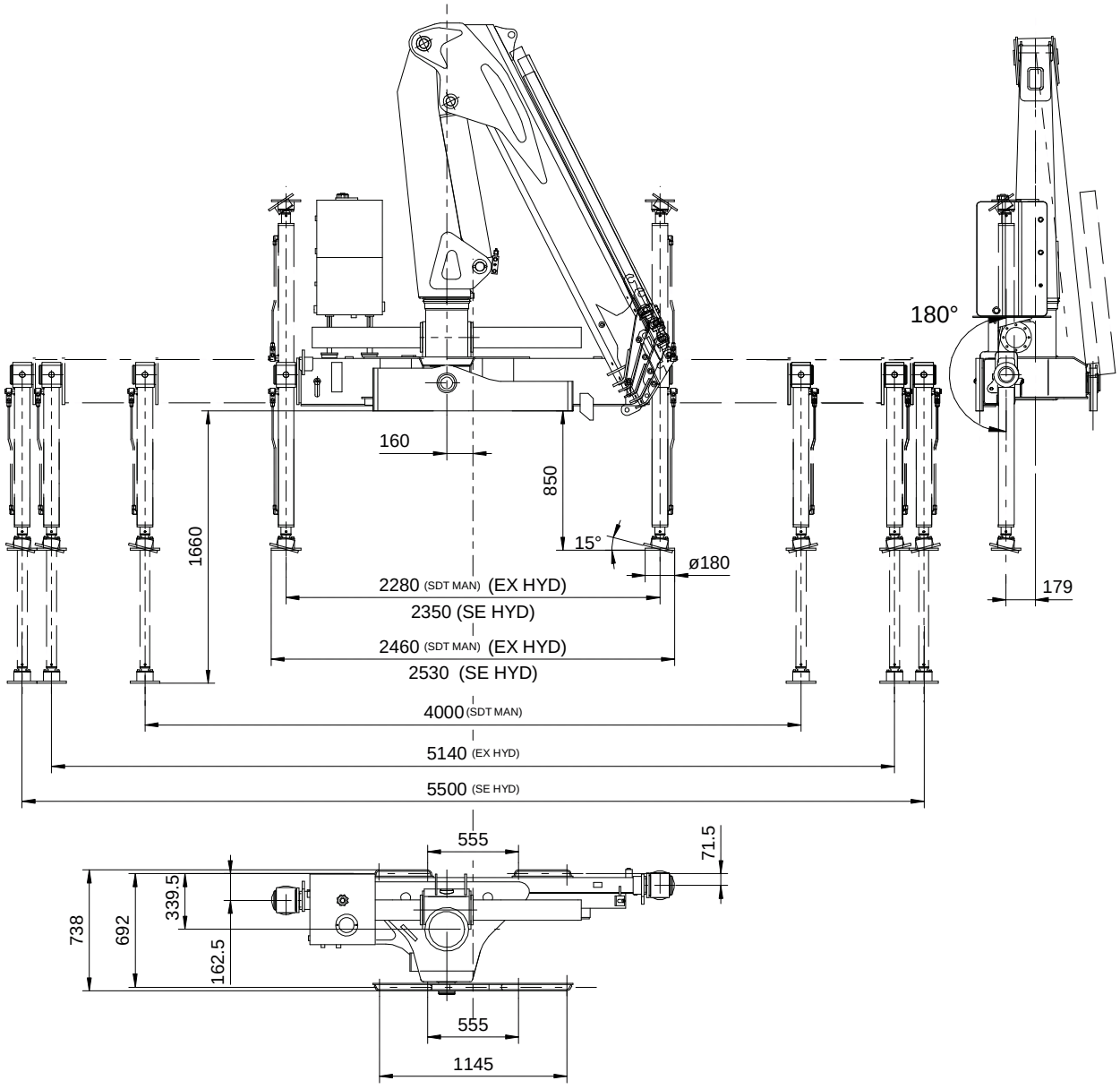
BASE DIMENSIONS WITH LONG STABILIZERS



DIMENSIONI BASAMENTO CON STABILIZZATORI ROTANTI MANUALI

DIMENSIONS BASE WITH TILTING MANUAL STABILIZERS

(OPTIONAL)



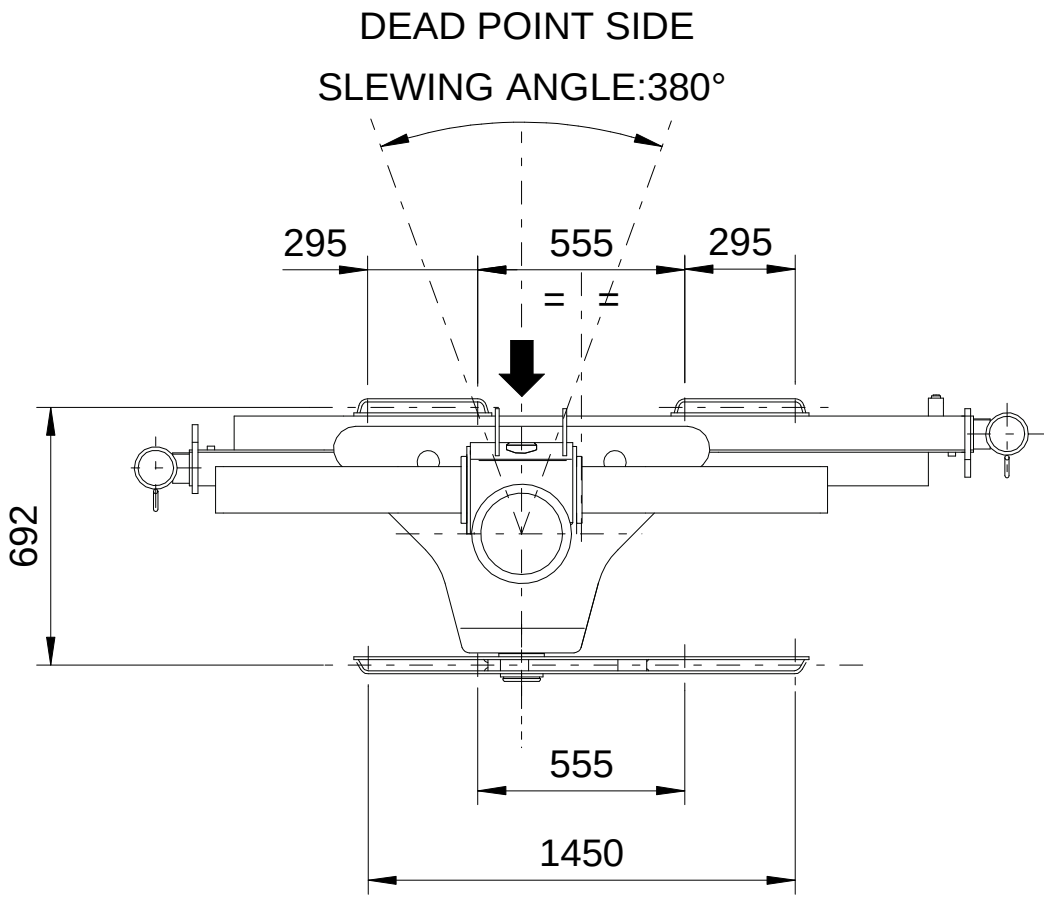
TRAVERSA CON STABILIZZATORI GIREVOLI LUNGHI

CROSSBAR WITH LONG TILTING CYLINDER

NON DISPONIBILE

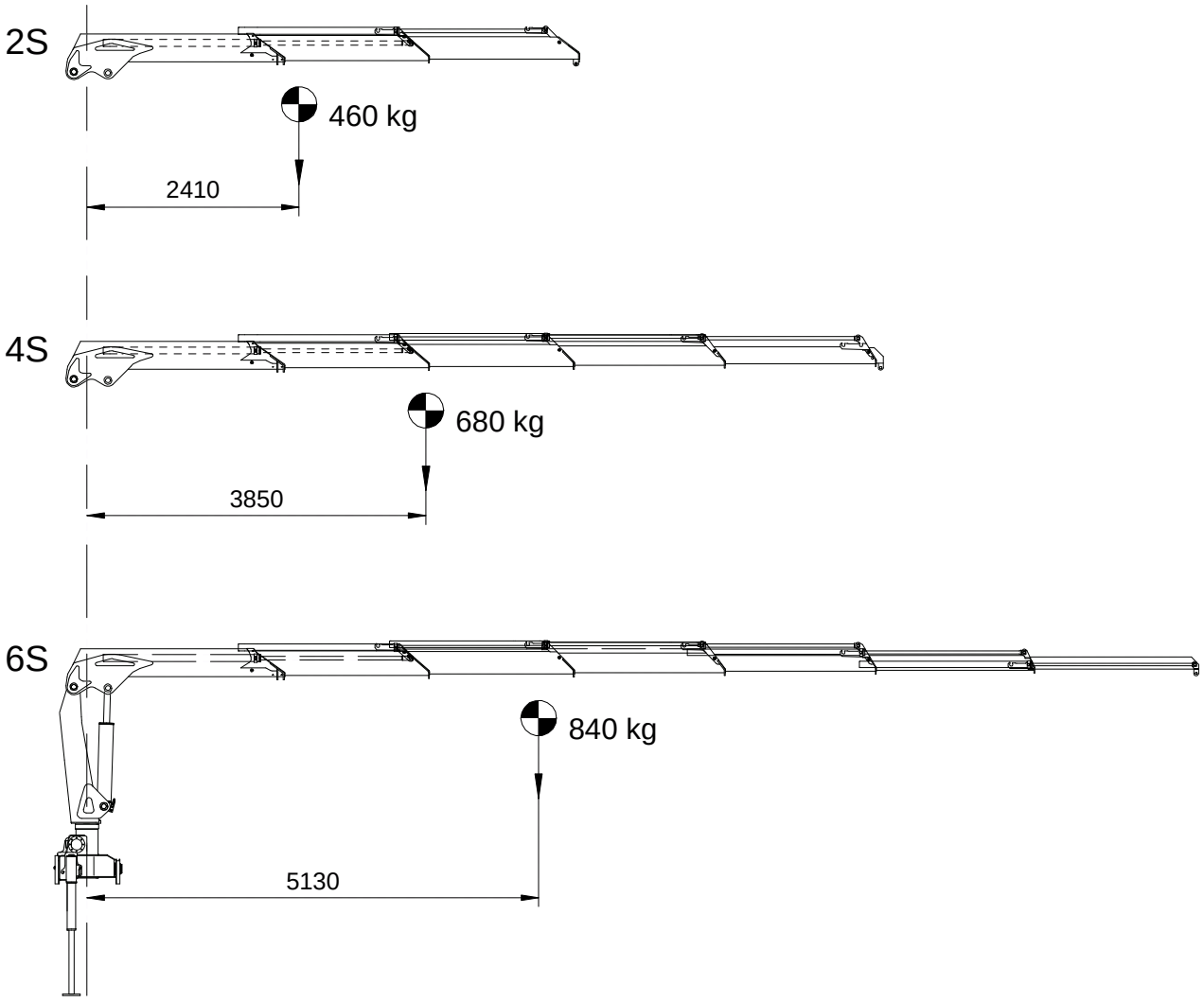
NOT AVAILABLE

TIRANTI DI STAFFAGGIO E VITI ROTAZIONE
TIE MOUNTING RODS & ROTATION SCREWS



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

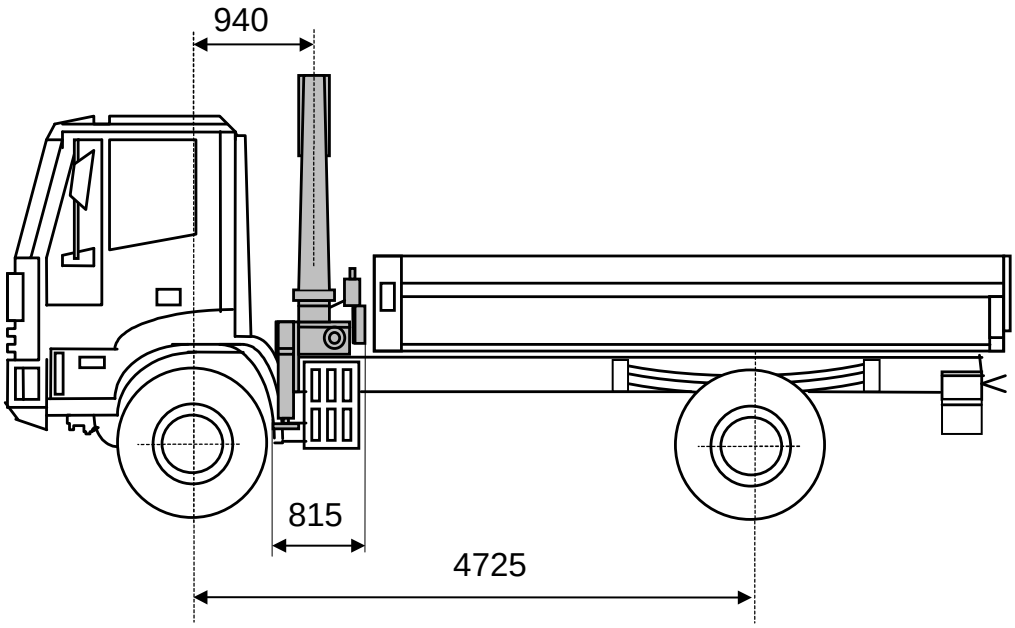
PESI – BARICENTRI
WEIGHTS – CENTER OF GRAVITY
816T-818T



	Stab. Stand.	Stab. Extra	Stab. Super Extra.
Massa parti fisse (kg) 816T Fixed parts weights	**1100 Kg**	**1200 Kg**	**1210 Kg**

	Stab. Stand.	Stab. Extra	Stab. Super Extra.
Massa parti fisse (kg) 818T Fixed parts weights	**1120 Kg**	**1220 Kg**	**1230 Kg**

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS
816T



PTT (GVW) = 180 q

DATI AUTOCARRO A VUOTO
Asse anteriore
Tara asse anteriore = 3895 kg
Tara ammissibile asse anteriore = 7100 kg
Asse posteriore
Tara asse posteriore = 1950 kg

CHASSIS DATA
Front axle
Front axle tare weight = 3895 kg
Allowable front axle weight = 7100 kg
Rear axle
Rear axle tare weight = 1950 kg

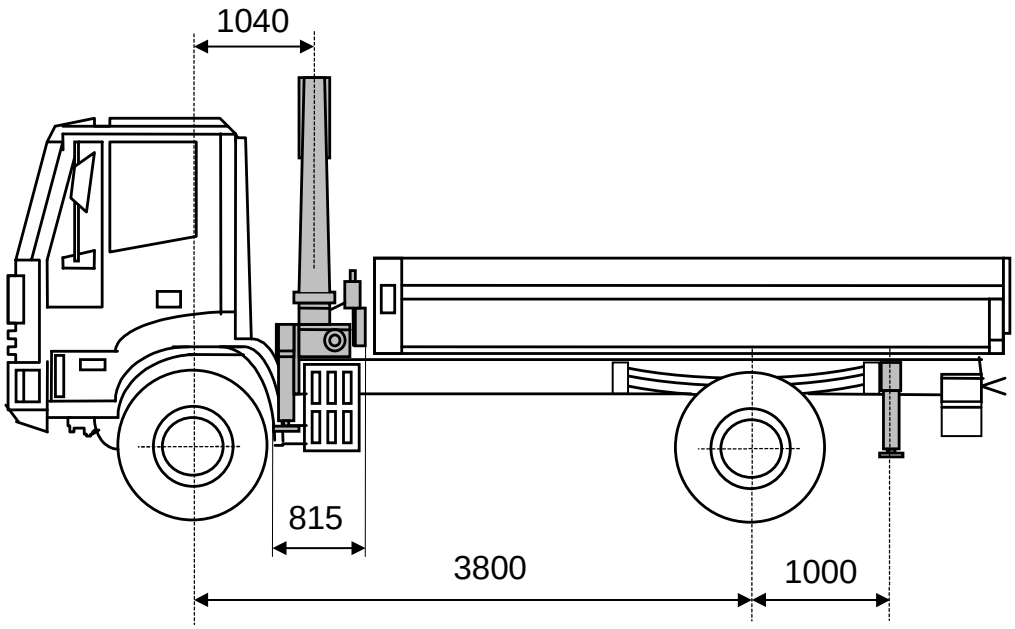
PESI ALLESTIMENTO
Peso cassone = 500 kg
Peso gru = 2050 kg (816T 6S EX)
Peso controtelaio = 160 kg

OUTFIT WEIGHTS
Body weight = 500 kg
Crane weight =2050 kg (816T 6S EX)
Counterframe weight = 160 kg

Coefficiente di stabilità = 1,45

Stability index = 1,45

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS
816T



PTT (GVW) = 115 q

DATI AUTOCARRO A VUOTO
Asse anteriore
Tara asse anteriore = 2700 kg
Tara ammissibile asse anteriore = 4400 kg
Asse posteriore
Tara asse posteriore = 1310 kg

CHASSIS DATA
Front axle
Front axle tare weight = 2700 kg
Allowable front axle weight = 4400 kg
Rear axle
Rear axle tare weight = 1310 kg

PESI ALLESTIMENTO
Massa cassone = 450 kg
Massa gru = 1900 kg 2050 kg (816T 6S EX)
Massa controtelaio = 380 kg

OUTFIT WEIGHTS
Body weight = 450 kg
Crane weight = 2050 kg (816T 6S EX)
Counterframe weight = 380 kg

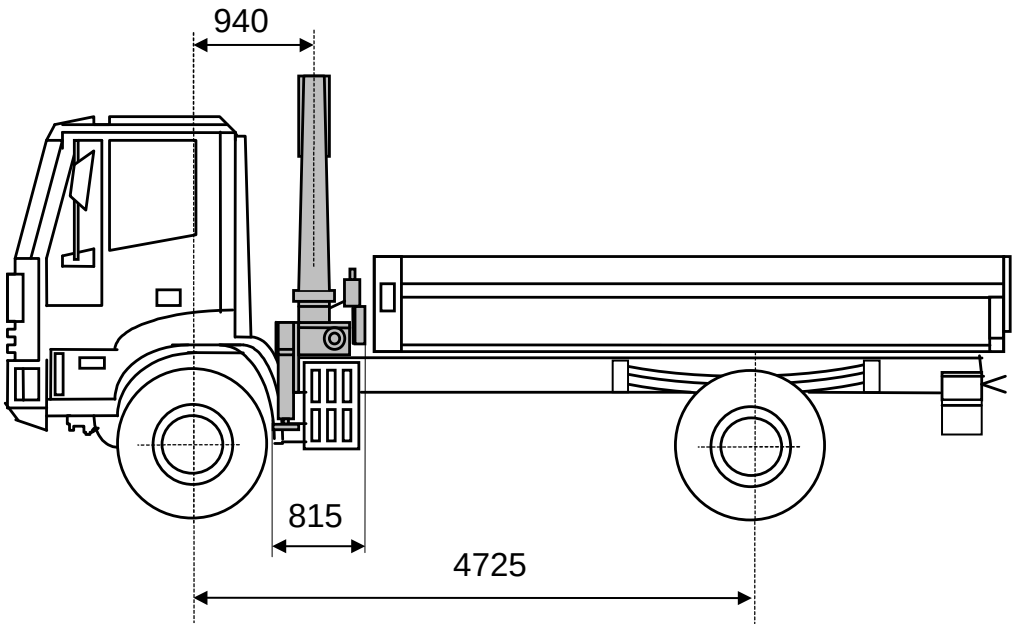
Stabilizzatori supplementari
Apertura minima = 3000 mm
Peso stabilizzatori supplementari = 280 kg

Rear beam stabilizers
Min. width = 3000 mm
Rear stabilizer weight = 280 kg

Coefficiente di stabilità = 1,53

Stability index = 1,53

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS
818T



PTT (GVW) = 180 q

DATI AUTOCARRO A VUOTO
Asse anteriore
Tara asse anteriore = 3895 kg
Tara ammissibile asse anteriore = 7100 kg
Asse posteriore
Tara asse posteriore = 1950 kg

CHASSIS DATA
Front axle
Front axle tare weight = 3895 kg
Allowable front axle weight = 7100 kg
Rear axle
Rear axle tare weight = 1950 kg

PESI ALLESTIMENTO
Peso cassone = 500 kg
Peso gru = 2070 kg (818T 6S EX)
Peso controtelaio = 160 kg

OUTFIT WEIGHTS
Body weight = 500 kg
Crane weight = 2070 kg (818T 6S EX)
Counterframe weight = 160 kg

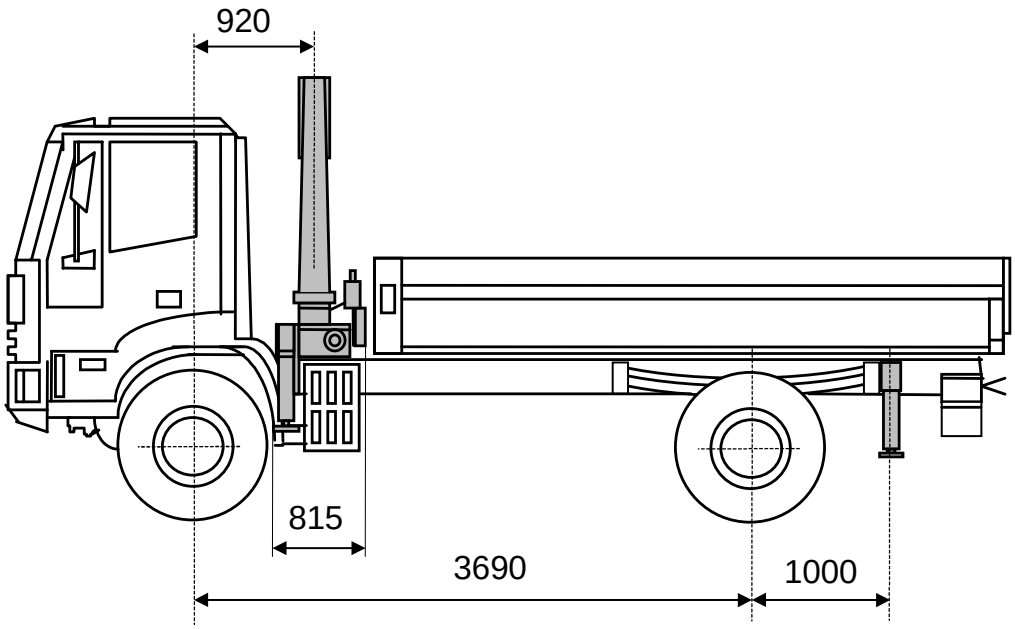
Coefficiente di stabilità = 1,37

Stability index = 1,37

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI

MIN TRUCK WITH SUPPLEMENTARY STABILIZERS

818T



PTT (GVW) = 120 q

DATI AUTOCARRO A VUOTO
Asse anteriore
Tara asse anteriore = 2785 kg
Tara ammissibile asse anteriore = 4400 kg
Asse posteriore
Tara asse posteriore = 1275 kg

CHASSIS DATA
Front axle
Front axle tare weight = 2785 kg
Allowable front axle weight = 4400 kg
Rear axle
Rear axle tare weight = 1275 kg

PESI ALLESTIMENTO
Massa cassone = 450 kg
Massa gru =2070 kg (818T 6S EX)
Massa controtelaio = 400 kg

OUTFIT WEIGHTS
Body weight = 450 kg
Crane weight = 2070 kg (818T 6S EX)
Counterframe weight = 400 kg

Stabilizzatori supplementari
Apertura minima = 3000 mm
Peso stabilizzatori supplementari = 280 kg

Rear beam stabilizers
Min. width = 3000 mm
Rear stabilizer weight = 280 kg

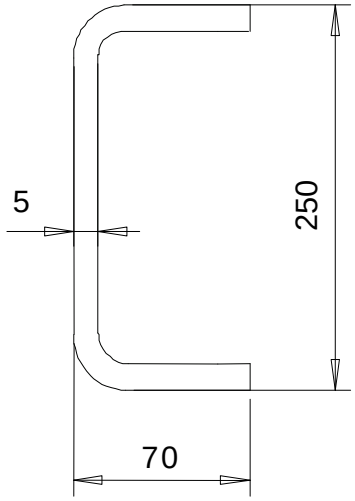
Coefficiente di stabilità = 1,46

Stability index = 1,46

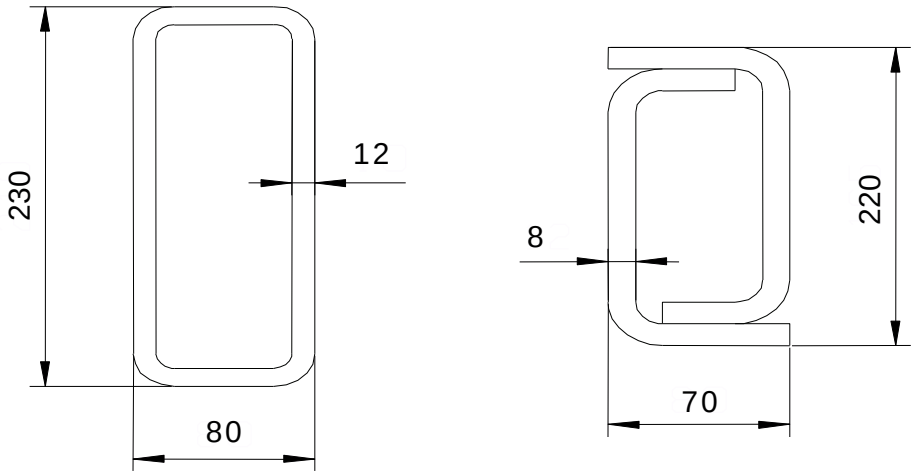
CONTROTELAIO MINIMO
MIN COUNTERFRAME

Momento dinamico max (daNm) Max dynamic moment	18000

Sezione telaio minima (autocarro PTT=130 q) **(materiale Fe510 - S355)**
Min frame section (truck GVW 13 ton) (steel S355)

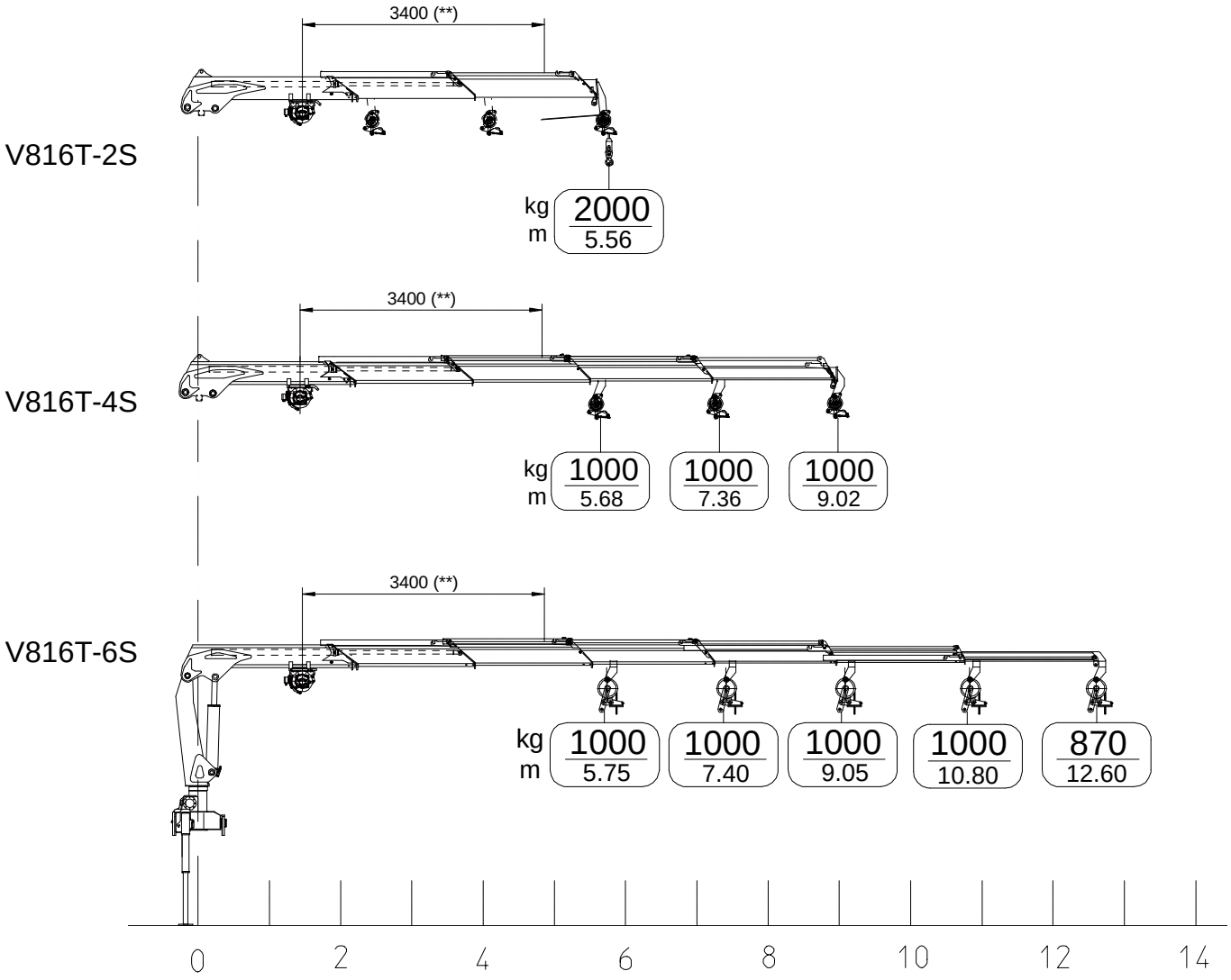


Sezione minima controtelaio (materiale Fe510 - S355)
Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO V816T
HYDRAULIC WINCH DATA

Max tiro diretto (kg)-2S Max winch direct pull (kg) 2S	2000 kg
Max tiro diretto (kg)-4S-6S Max winch direct pull (kg) 4S-6S	1000 kg



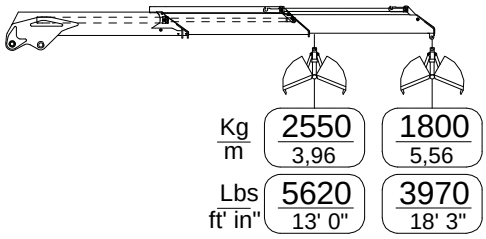
(**) = Distanza minima di utilizzo argano
(**) = Min distance for using the winch

CARATTERISTICHE ACCESSORI BENNA-POLIPO 816T

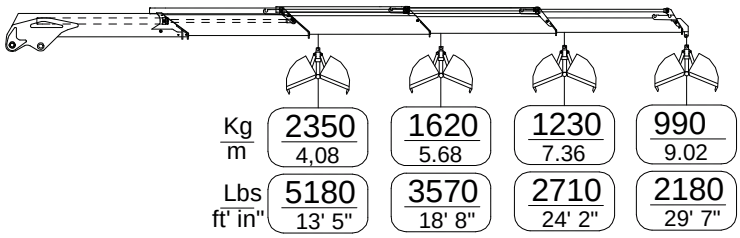
GRAB - BUCKET DATA

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

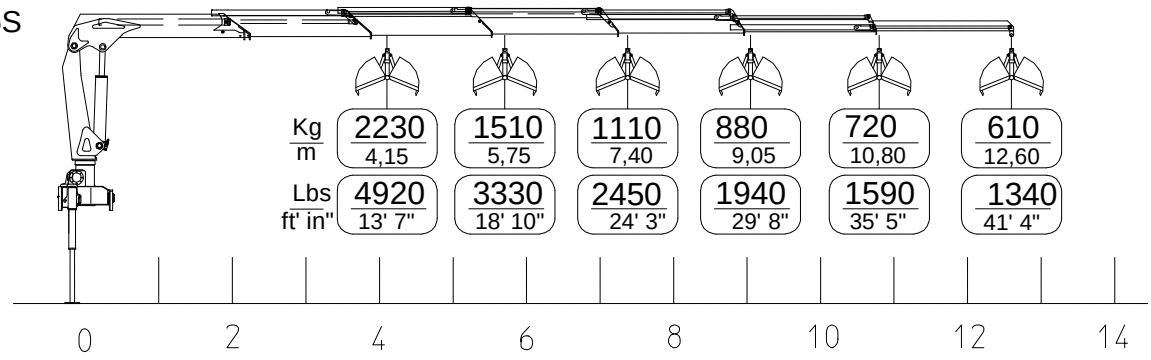
V816T-2S



V816T-4S

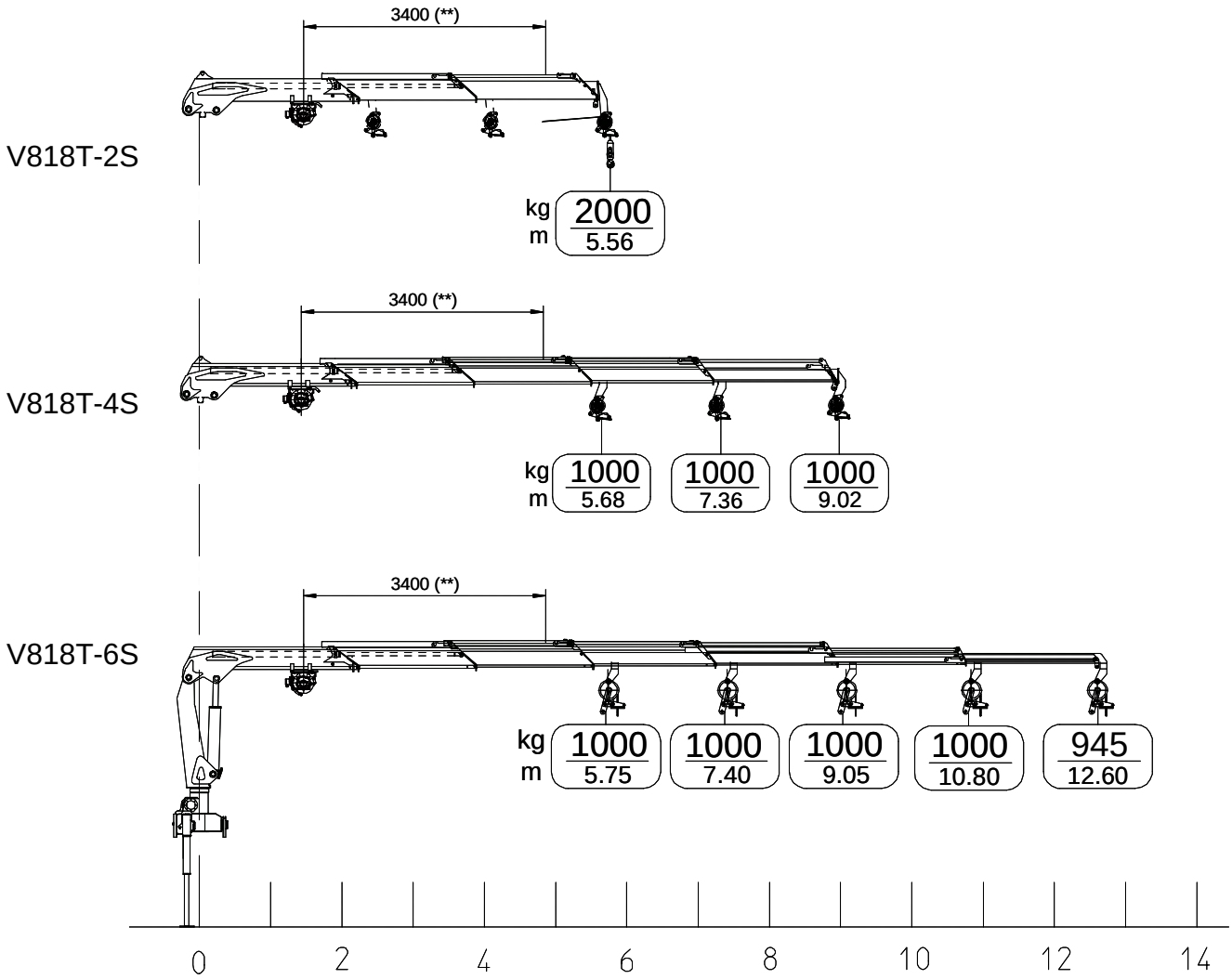


V816T-6S



CARATTERISTICHE VERRICELLO IDRAULICO V818T
HYDRAULIC WINCH DATA

Max tiro diretto (kg)-2S Max winch direct pull (kg) 2S	2000 kg
Max tiro diretto (kg)-4S-6S Max winch direct pull (kg) 4S-6S	1000 kg



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

CARATTERISTICHE ACCESSORI BENNA-POLIPO 818T

GRAB - BUCKET DATA

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