

VR75

RACCOLTA TECNICA TECHNICAL BOOK



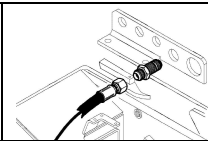
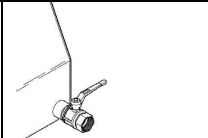
**CARATTERISTICHE GENERALI
TECHNICAL DATA**

Momento dinamico max (daNm) Max dynamic moment	81400
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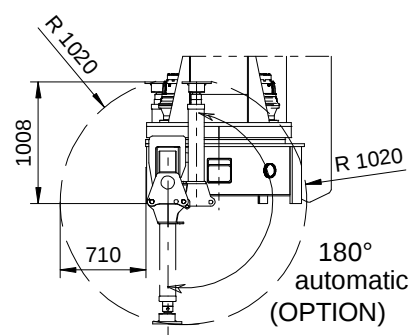
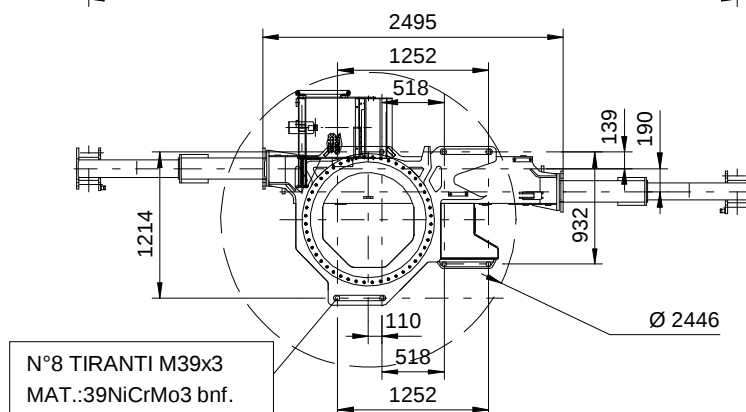
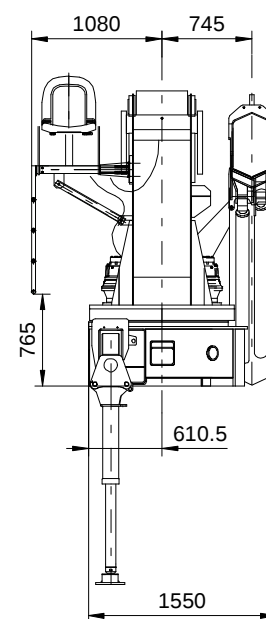
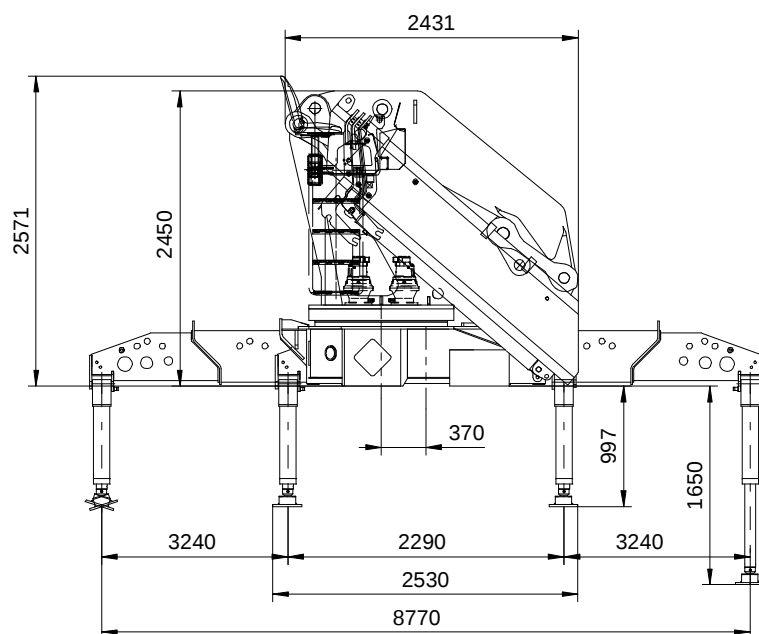
Portata max (kg) Max load	Versione	Q_{max}
	2S	16100
	4S	15350
	6S	14400
	8S	14000
	10S	13050
	6SJ6	5300

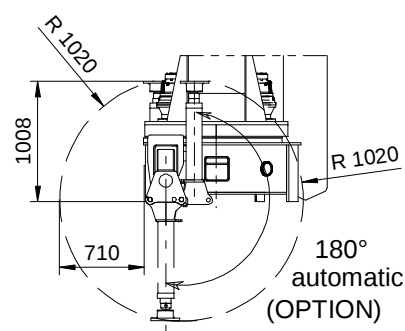
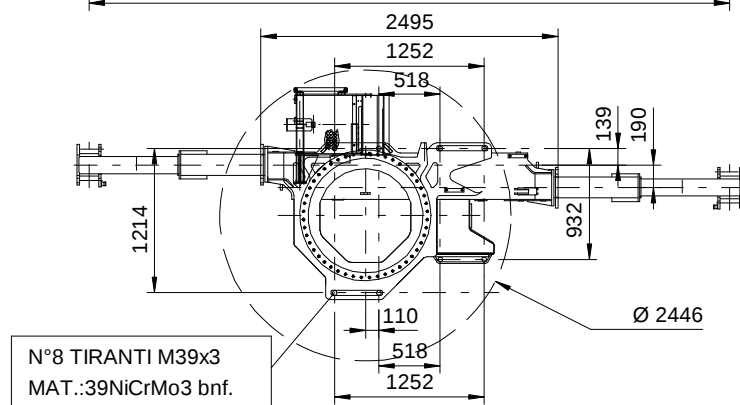
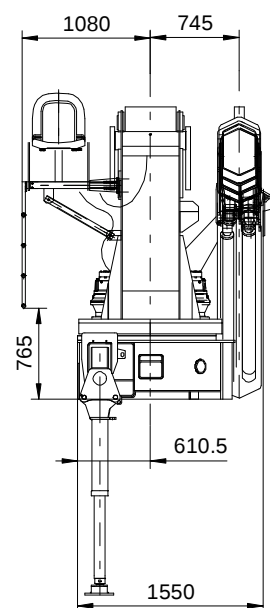
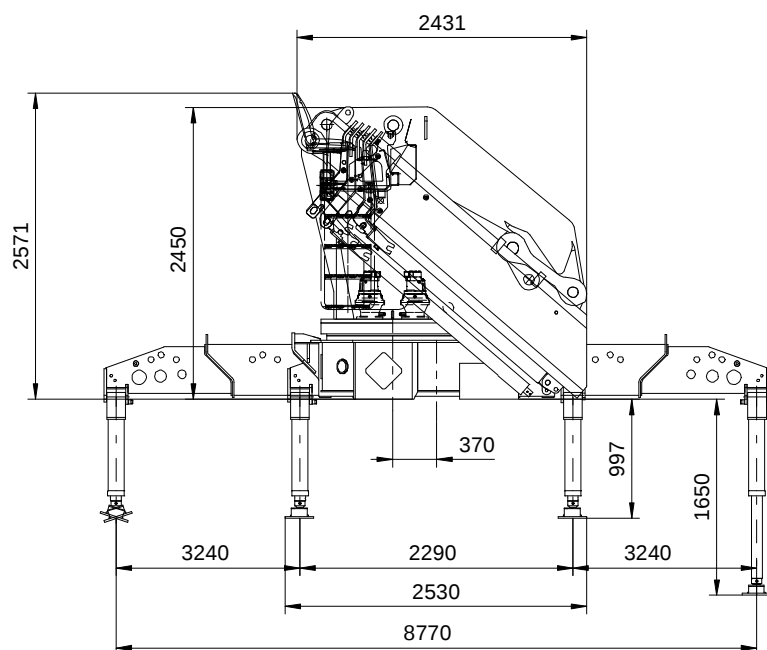
Massa in ordine di lavoro (kg) Crane weight	Versione	M
	2S	7450
	4S	8100
	6S	8700
	8S	9250
	10S	9650
	6SJ6	10200

ALTRI DATI TECNICI

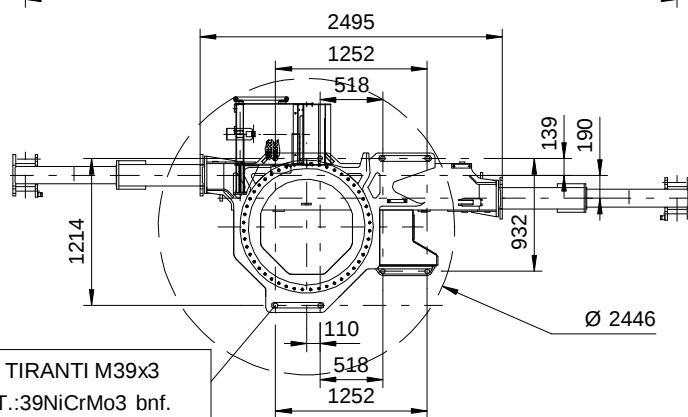
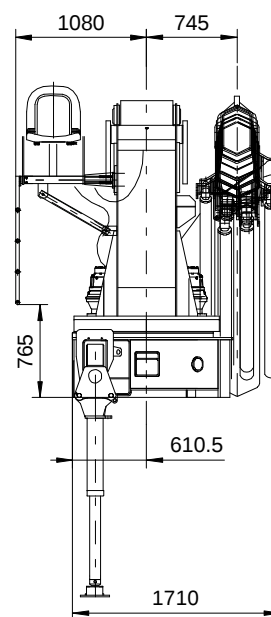
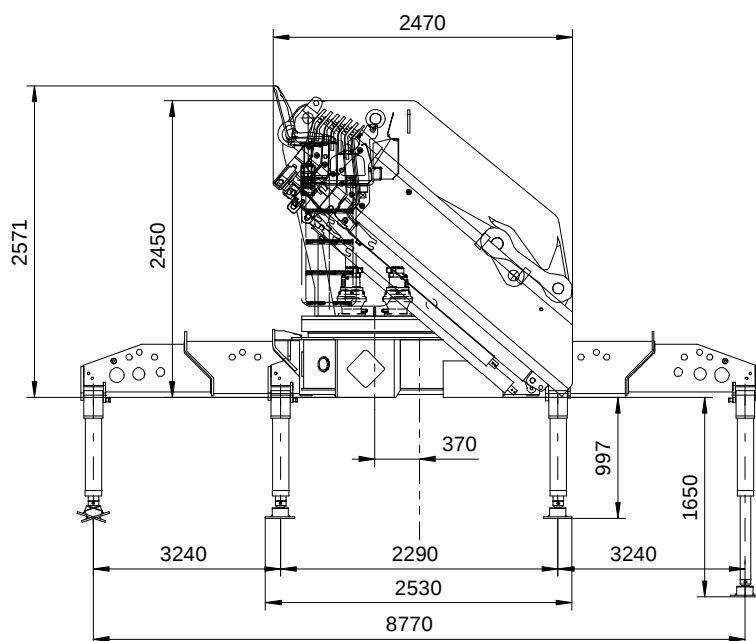
Reazione massima sullo stabilizzatore Max force on the stabilizer leg	19500 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	43 daN/cm ²
Pressione massima di esercizio Max working pressure	295 bar
Portata massima di olio Max oil flow to control valve	80 l/min
Capacità serbatoio olio (Optional 7880789 montaggio sotto cassone) Oil tank capacity (Optional 7880789 underbody mounting)	280 L
Coppia di rotazione Slewing moment	6900 daNm
Angolo di rotazione Slewing angle	420°
Potenza assorbita Absorbed power	48.5 kW 65 HP
Normativa di calcolo Design standard	DIN 15018 EN 12999
Raccordi di collegamento con pompa Fittings for connection with pump	
Linea di pressione distributore Control valve pressure line	 M 1"1/16JIC
Linea di aspirazione serbatoio Tank suction line	 F 2" BSP

DIMENSIONI DI INGOMBRO DIMENSIONS VR75-2S

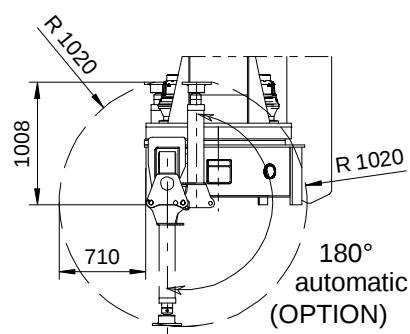


**DIMENSIONI DI INGOMBRO
DIMENSIONS
VR75 4S**

DIMENSIONI DI INGOMBRO DIMENSIONS VR75 6S

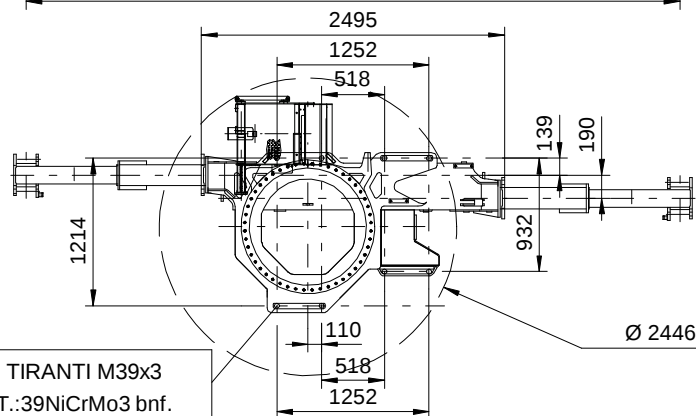
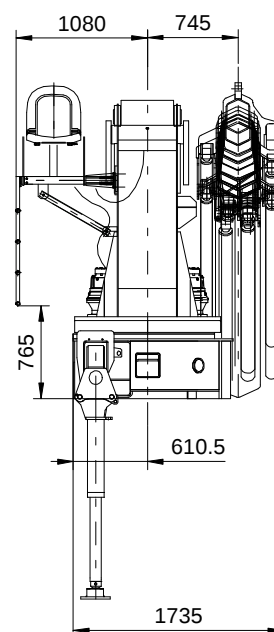
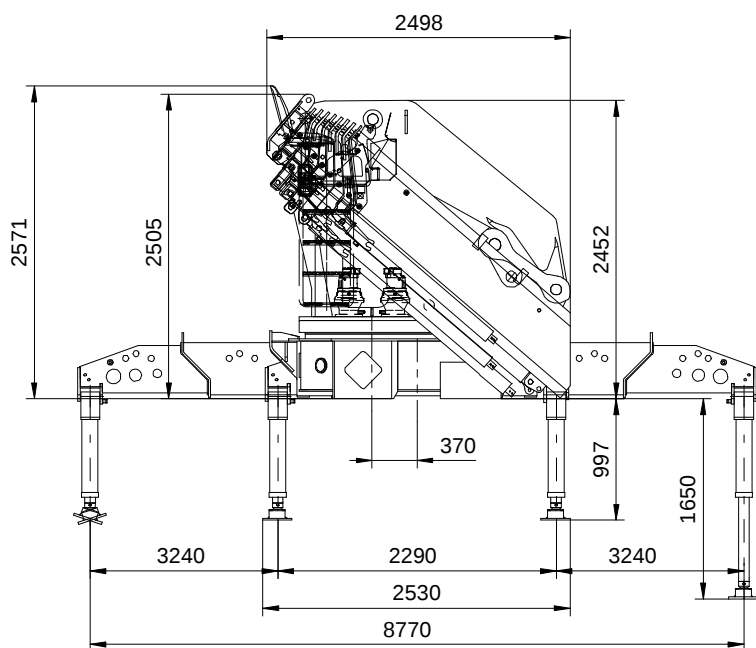


N°8 TIRANTI M39x3
MAT.:39NiCrMo3 bnf.

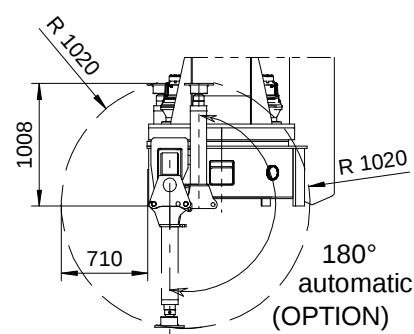


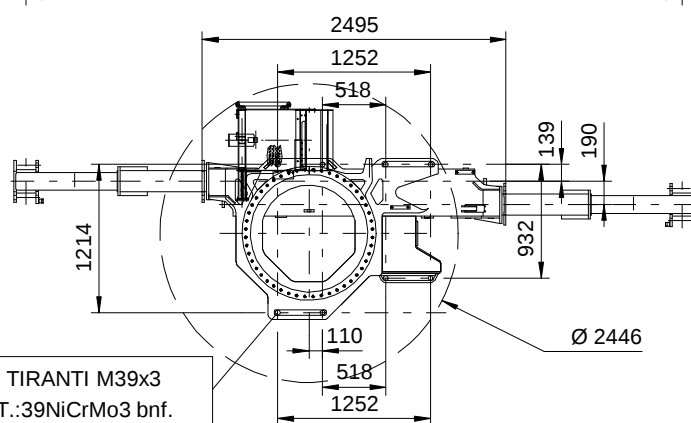
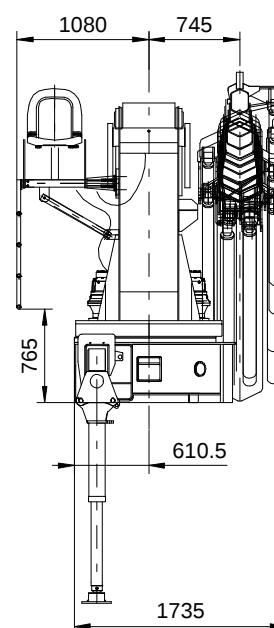
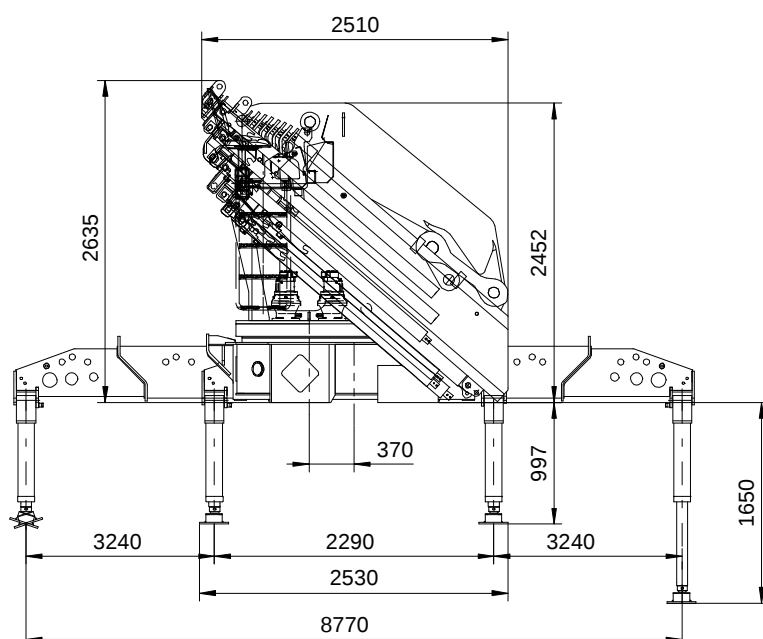
180°
automatic
(OPTION)

DIMENSIONI DI INGOMBRO DIMENSIONS VR75 8S

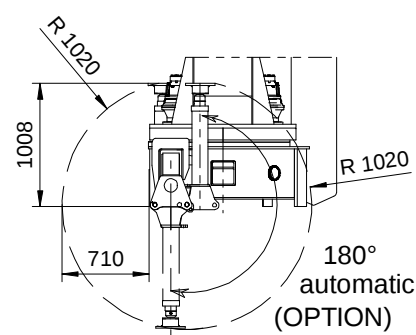


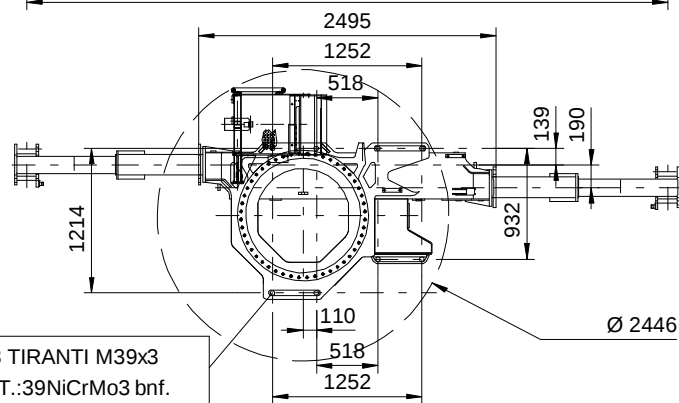
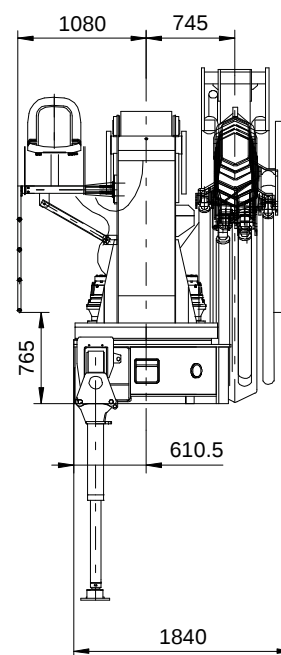
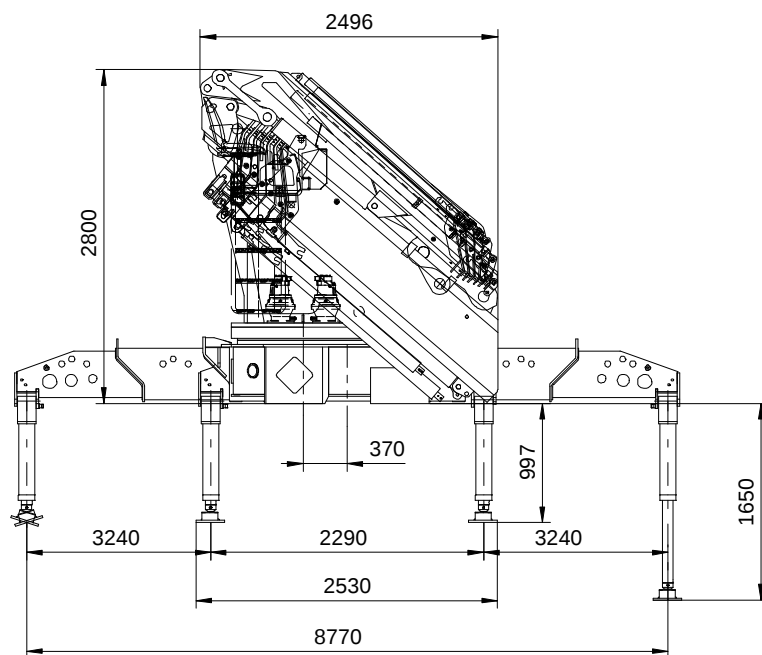
N°8 TIRANTI M39x3
MAT.:39NiCrMo3 bnf.



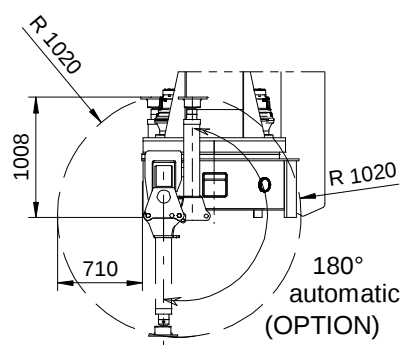
**DIMENSIONI DI INGOMBRO
DIMENSIONS
VR75 10S**

N°8 TIRANTI M39x3
MAT.:39NiCrMo3 bnf.



**DIMENSIONI DI INGOMBRO
DIMENSIONS
VR75 6SJ6**

N°8 TIRANTI M39x3
MAT.:39NiCrMo3 bnf.



DIMENSIONI DI INGOMBRO DIMENSIONS VR75 CON BASAMENTO INTEGRATO VR75 WITH INTEGRATED BASE

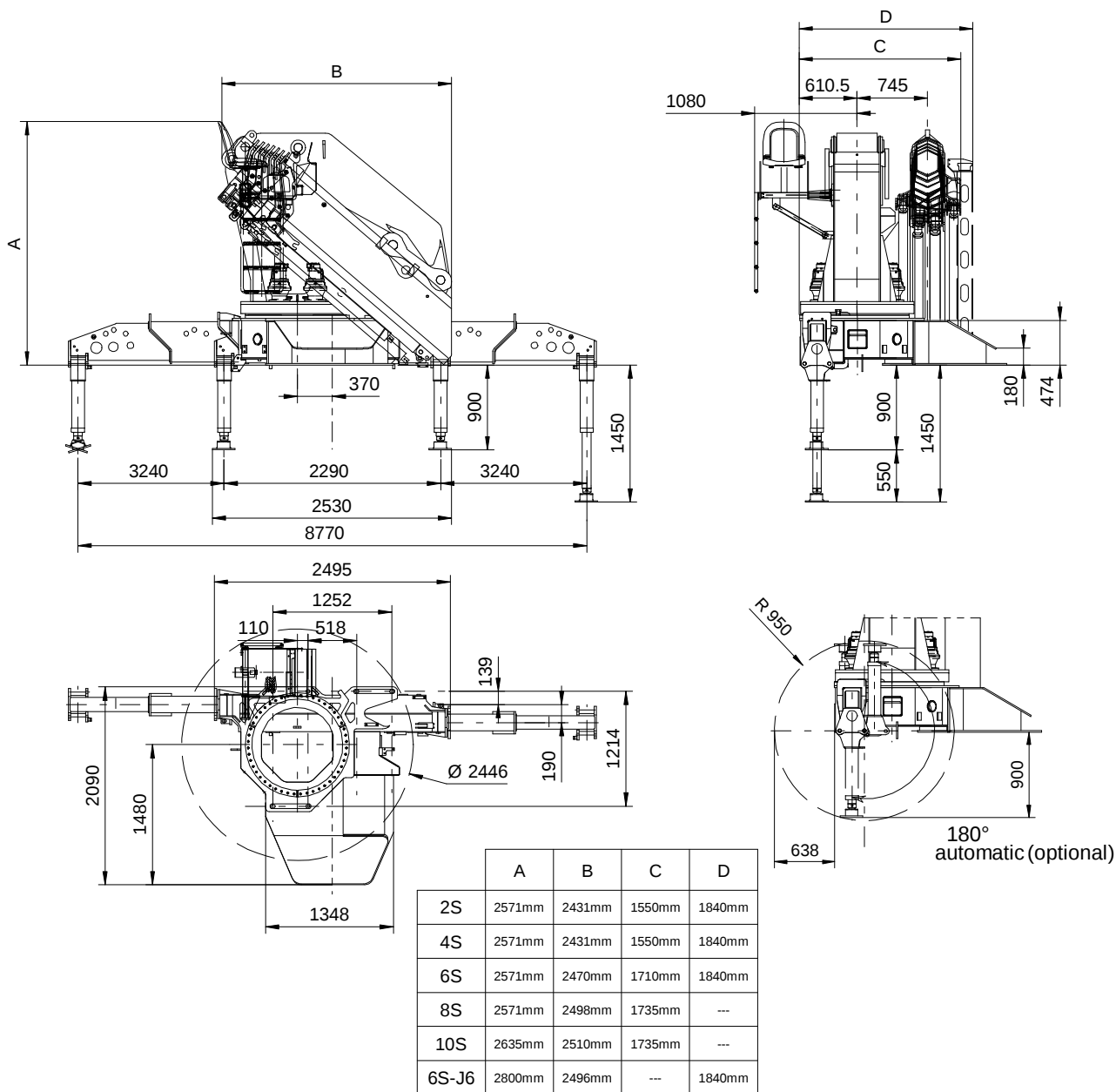


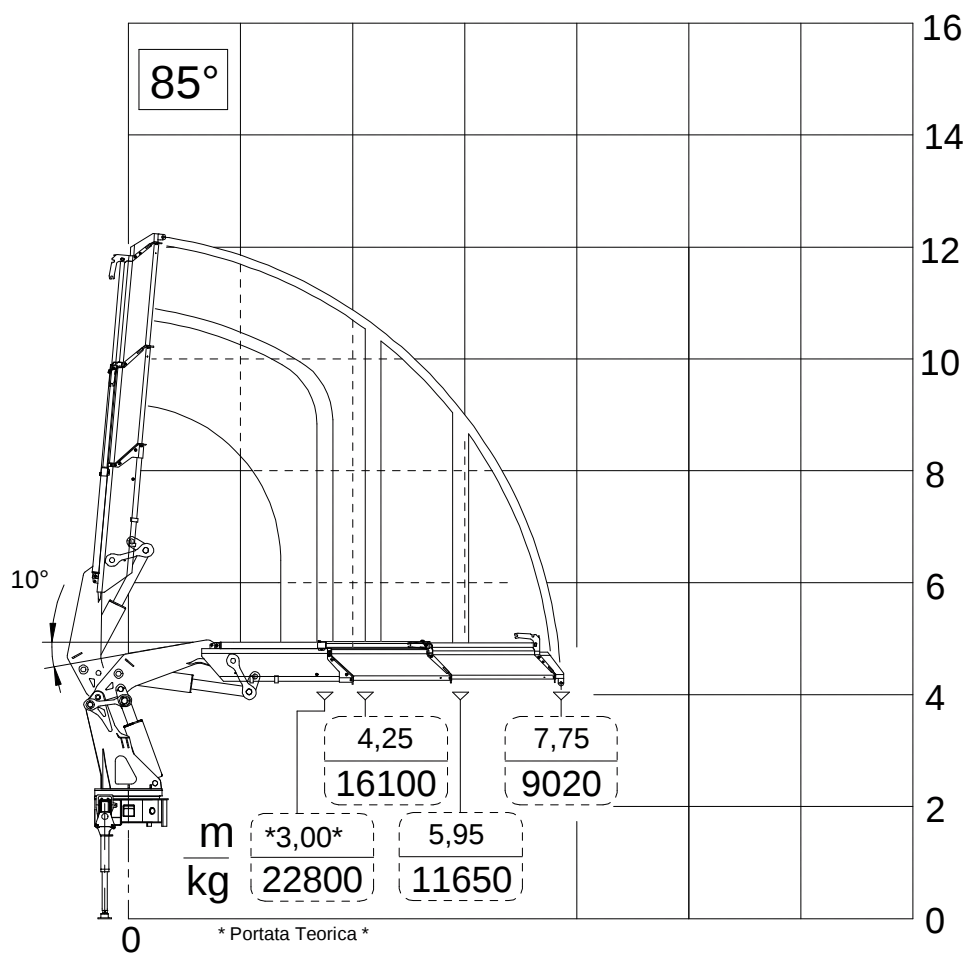
DIAGRAMMA PORTATE
LOAD DIAGRAM
VR75 2S

DIAGRAMMA PORTATE LOAD DIAGRAM VR75 4S

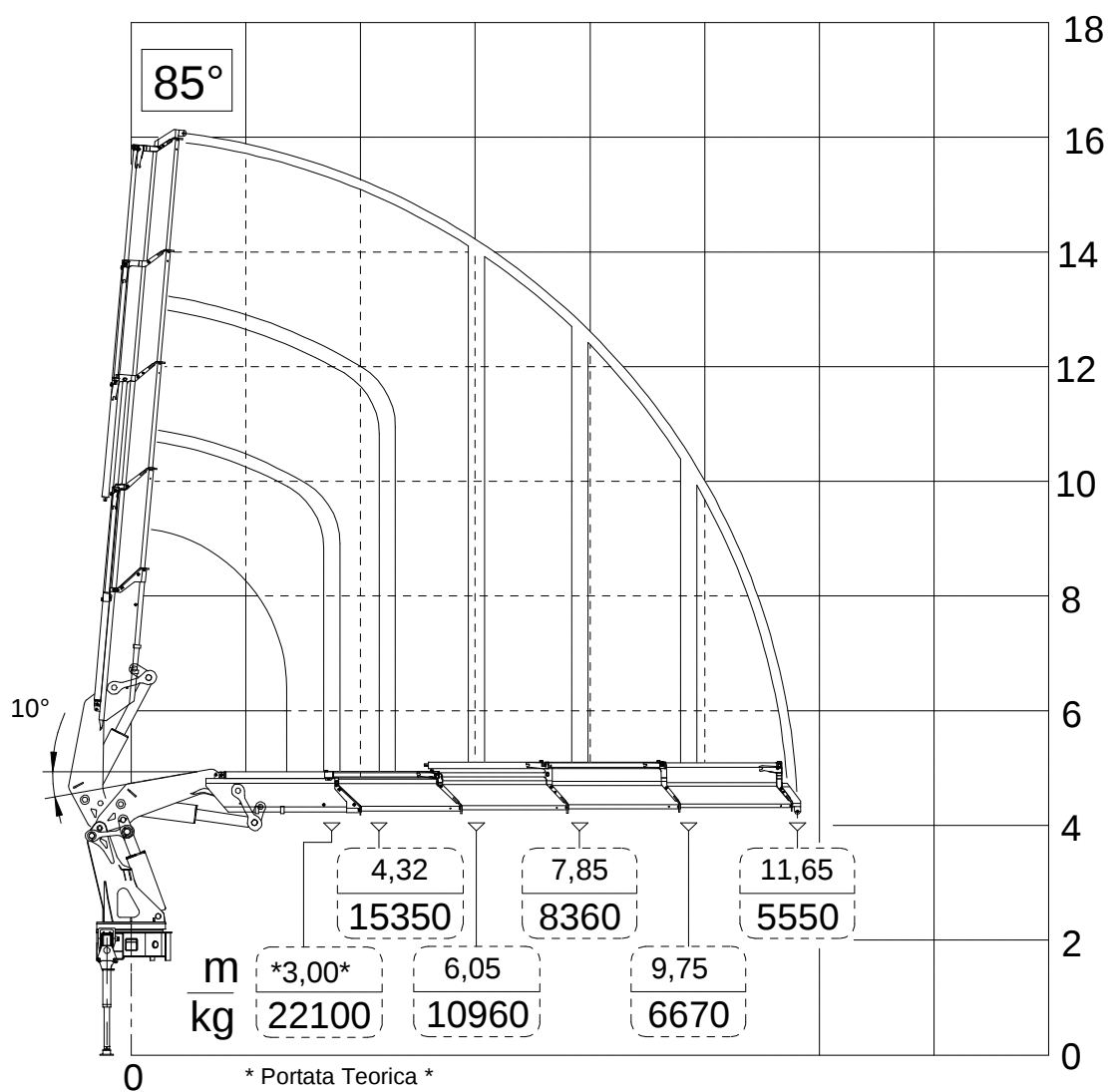


DIAGRAMMA PORTATE LOAD DIAGRAM VR75 6S

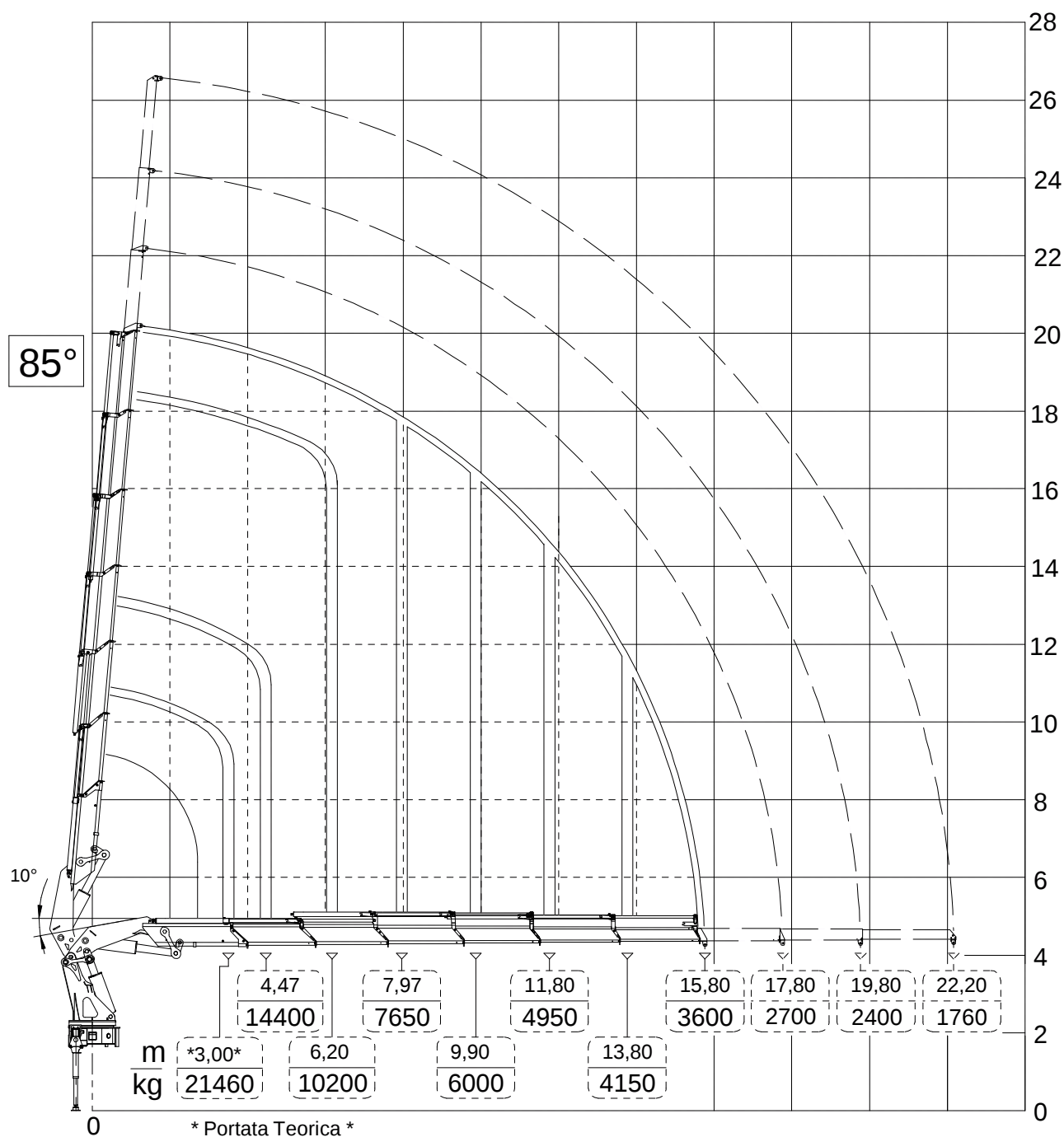


DIAGRAMMA PORTATE LOAD DIAGRAM VR75 8S

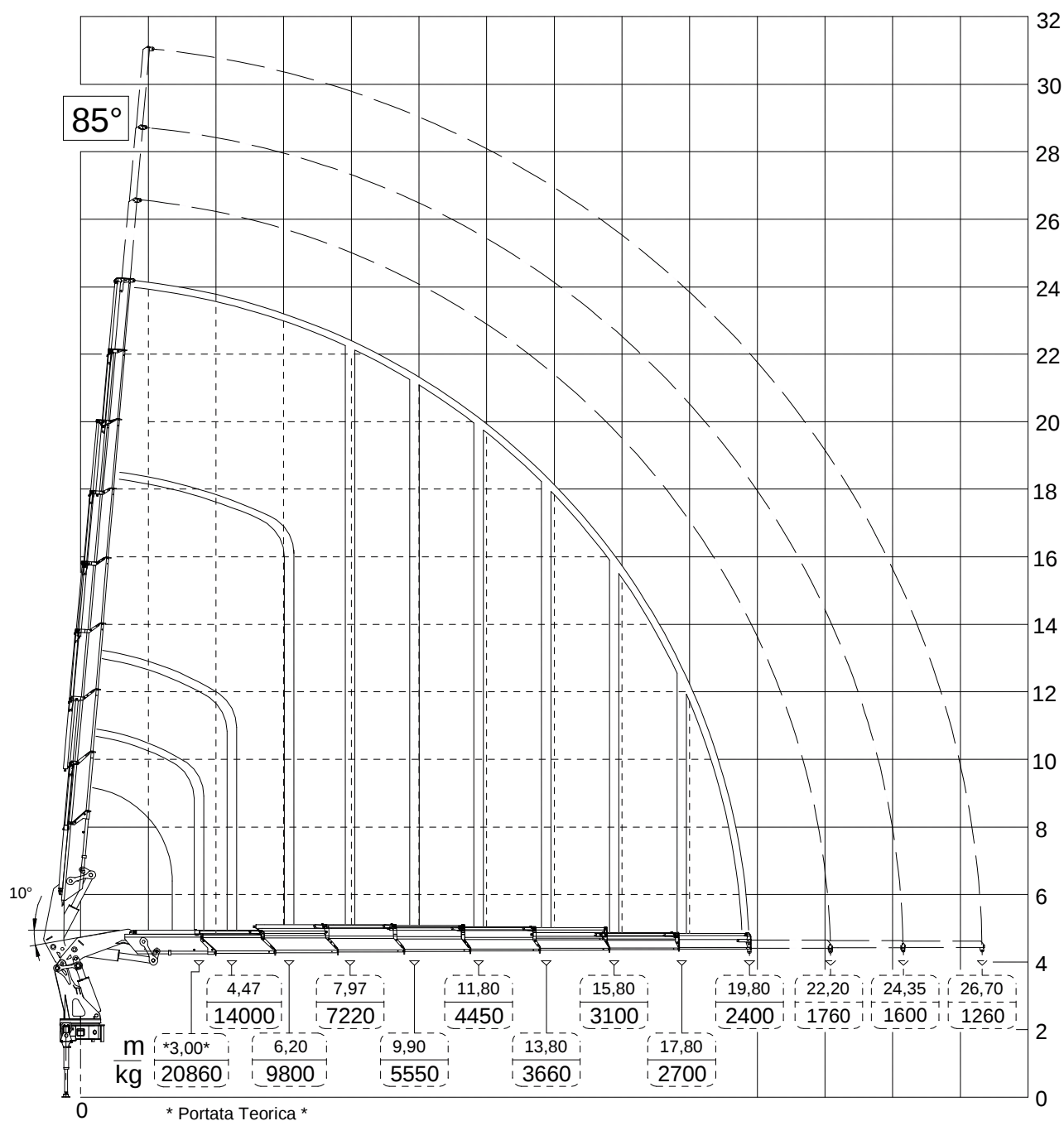


DIAGRAMMA PORTATE LOAD DIAGRAM VR75 10S

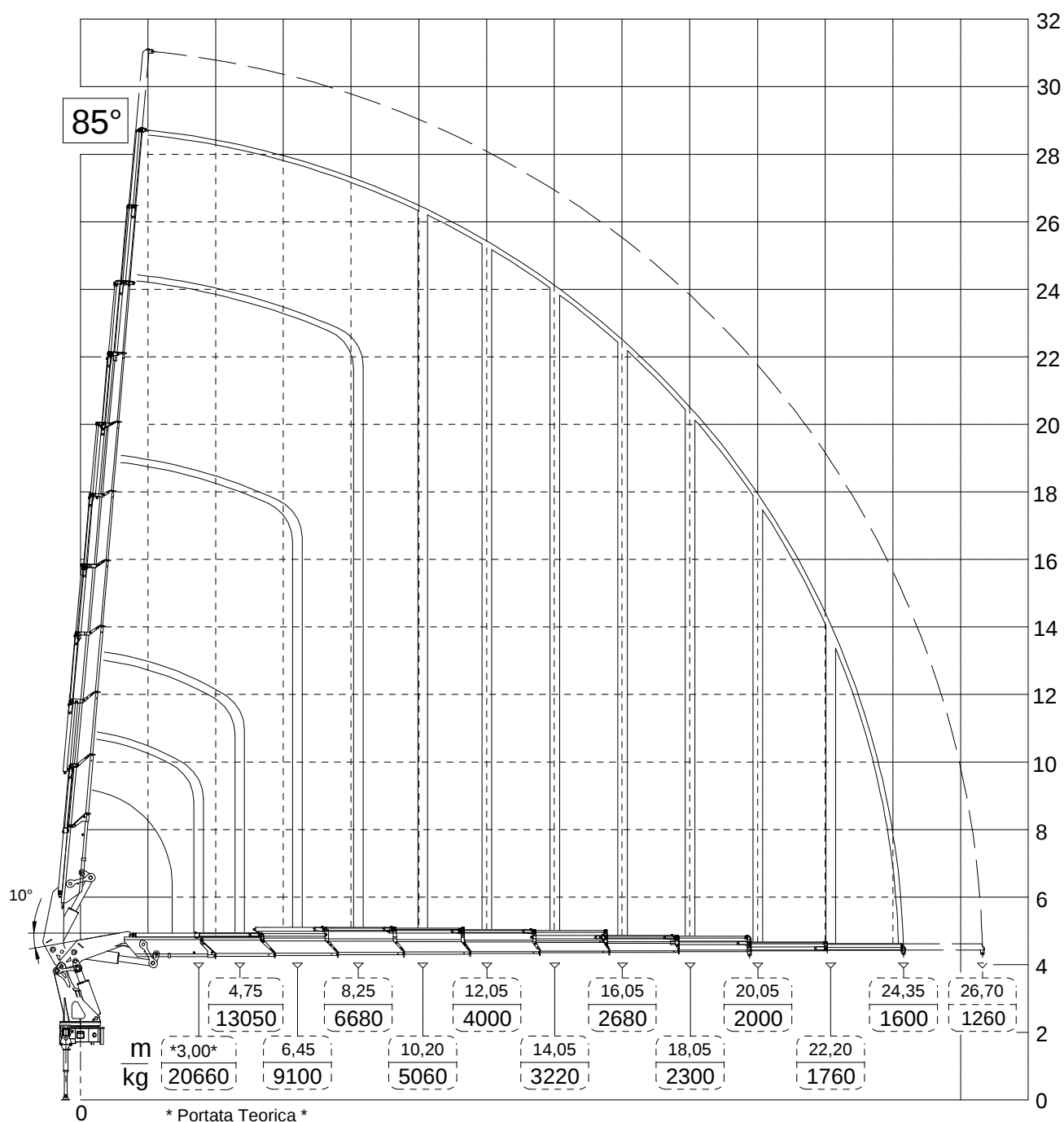
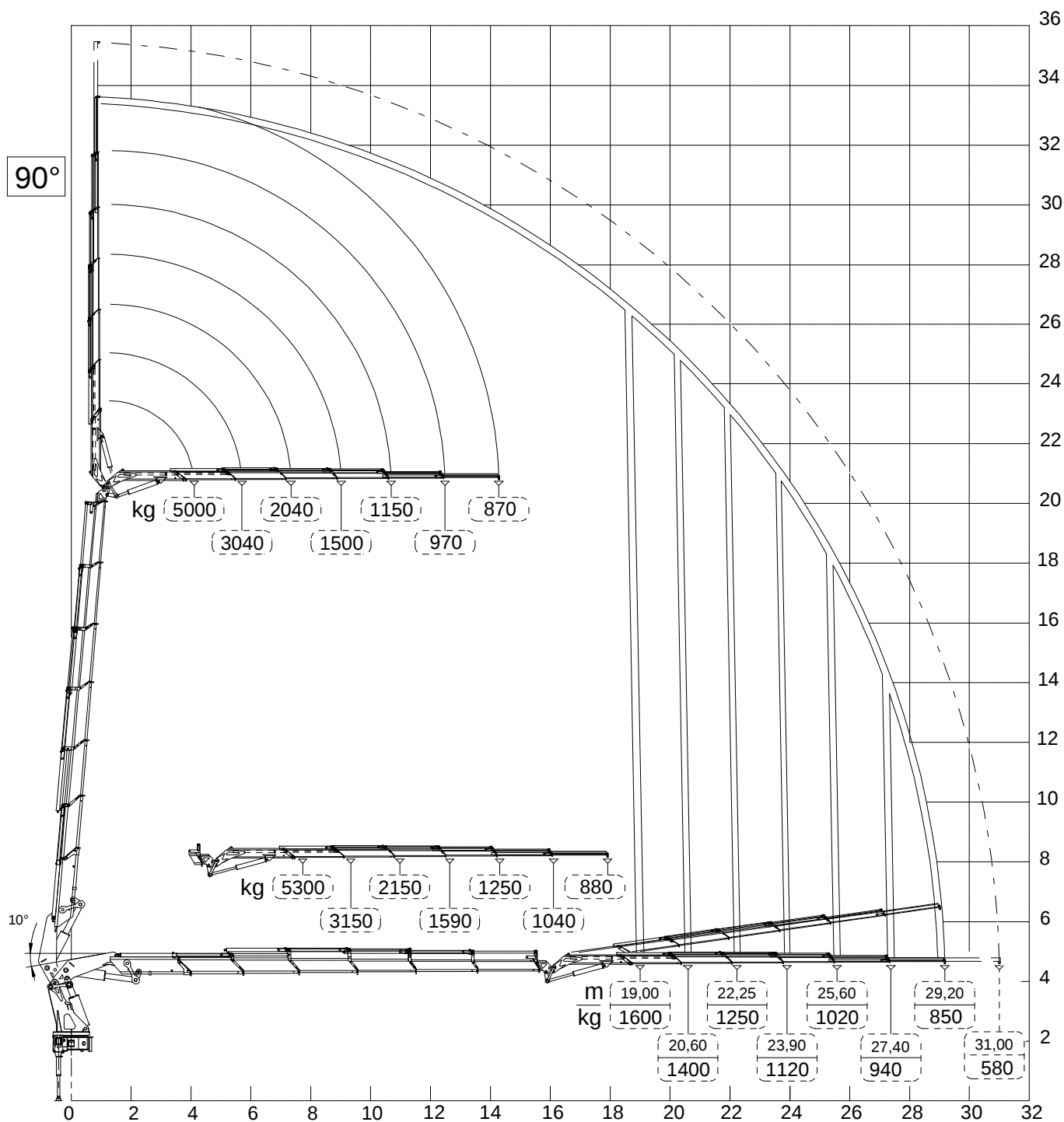
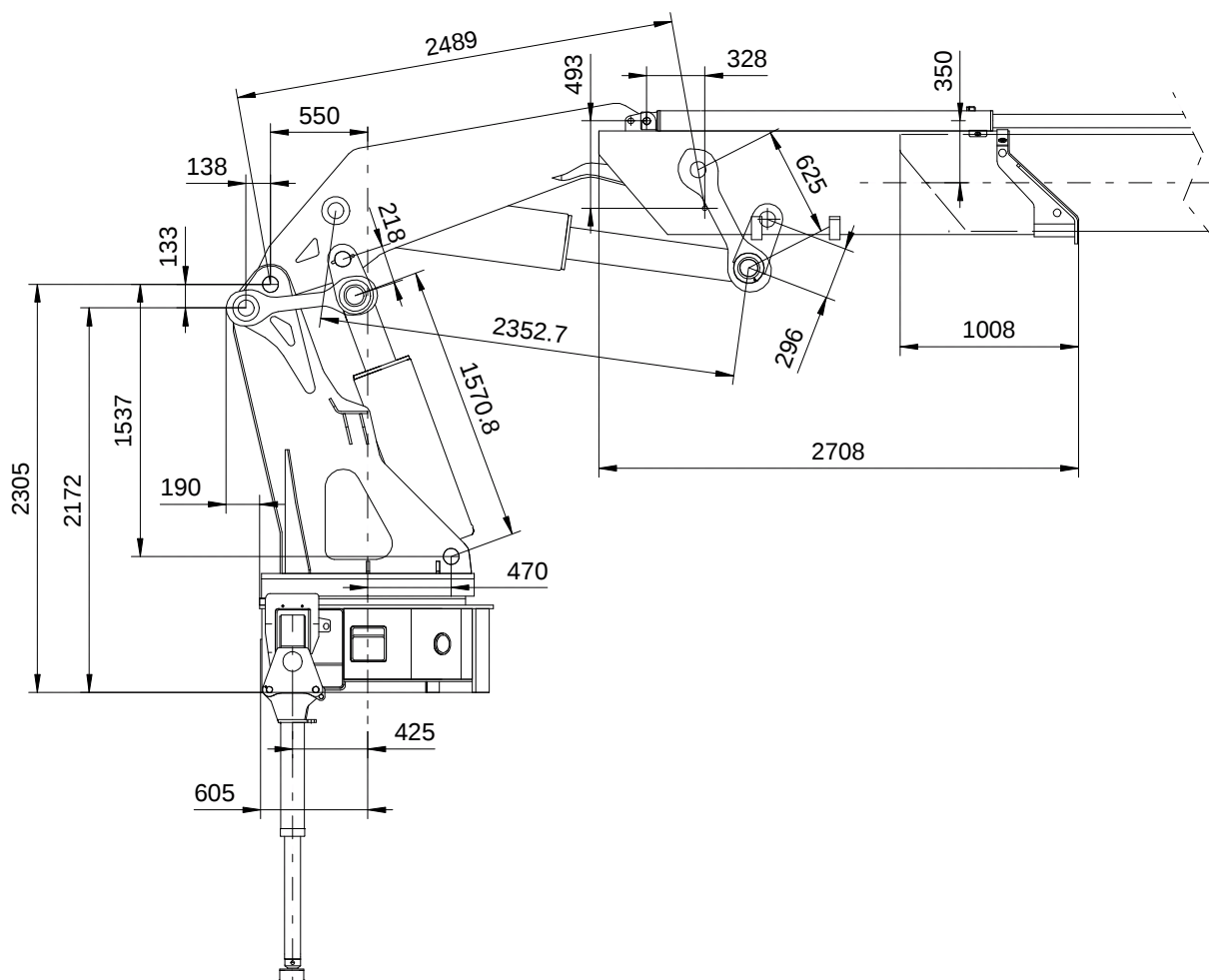


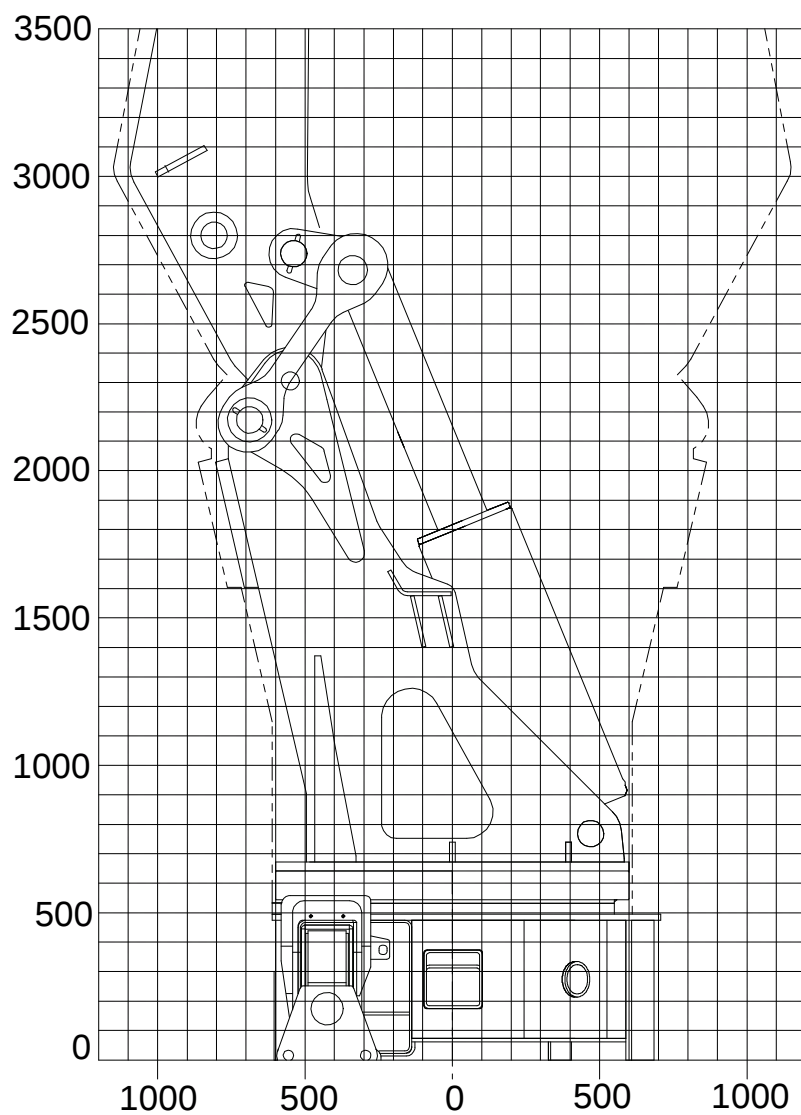
DIAGRAMMA PORTATE LOAD DIAGRAM VR75 6SJ6



DIMENSIONALE COLONNA PRIMO BRACCIO COLUMN - 1ST BOOM - DIMENSIONS

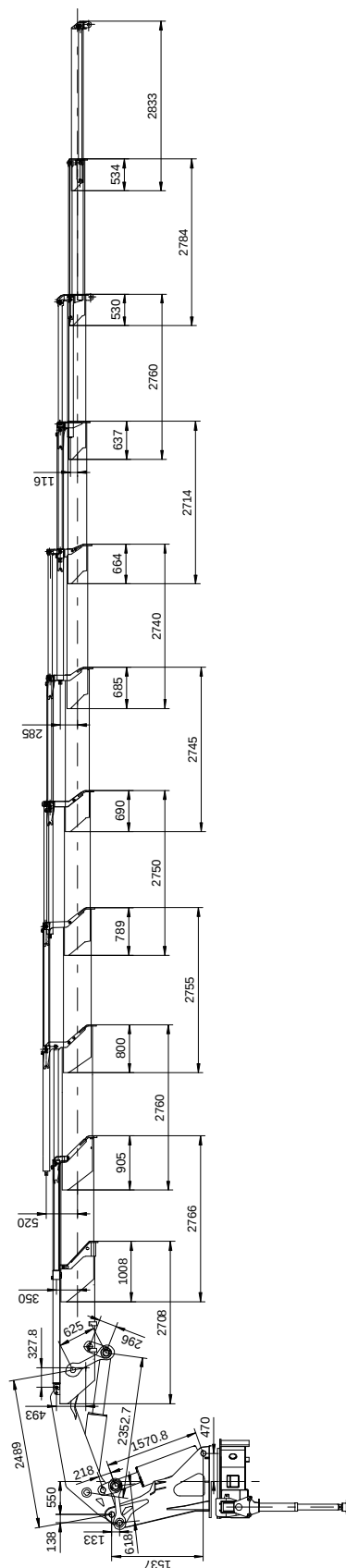


INGOMBRO IN ROTAZIONE ROTATION SPACE NEEDED

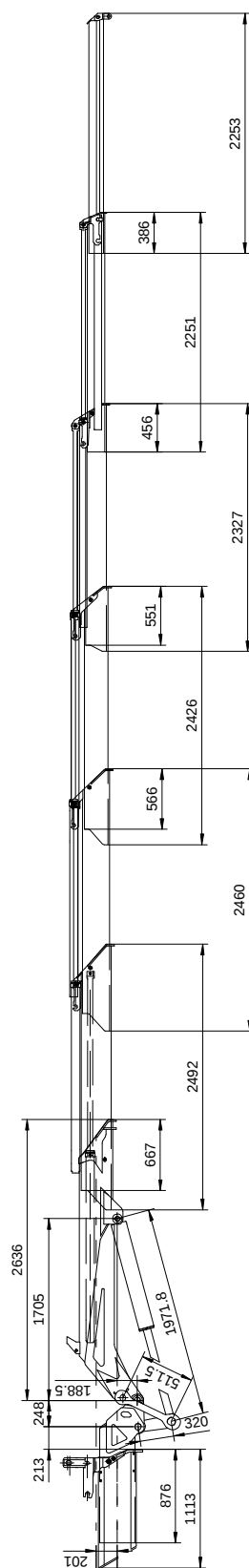


DIMENSIONALE PACCO BRACCI

VR75 10S



JIB 6S



DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	300
Diametro esterno - <i>Cyl. ext. diameter</i>	340.5
Diametro stelo - <i>Rod diameter</i>	180 - 145
Interasse aperto - <i>Centers (open)</i>	2079
Interasse chiuso - <i>Centers (closed)</i>	1265
Corsa - <i>Stroke</i>	814
Ø perni articolazione - <i>Artic. pin Ø</i>	90
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	280
Diametro esterno - <i>Cyl. ext. diameter</i>	310
Diametro stelo - <i>Rod diameter</i>	180 - 145
Interasse aperto - <i>Centers (open)</i>	2458.5
Interasse chiuso - <i>Centers (closed)</i>	1438.5
Corsa - <i>Stroke</i>	1020
Ø perno fissaggio - <i>Fixing pin Ø</i>	90
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	100
Diametro esterno - <i>Cyl. ext. diameter</i>	115
Diametro stelo - <i>Rod diameter</i>	75 - 60
Interasse aperto - <i>Centers (open)</i>	3734
Interasse chiuso - <i>Centers (closed)</i>	2034
Corsa - <i>Stroke</i>	1700
Ø perni articolazione - <i>Artic. pin Ø</i>	40
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 2° SFILO 2ND EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	100
Diametro esterno - <i>Cyl. ext. diameter</i>	115
Diametro stelo - <i>Rod diameter</i>	75 - 60
Interasse aperto - <i>Centers (open)</i>	1955
Interasse chiuso - <i>Centers (closed)</i>	155
Corsa - <i>Stroke</i>	1800
Ø perno fissaggio - <i>Fixing pin Ø</i>	40
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

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

Alesaggio - <i>Cylinder bore</i>	100
Diametro esterno - <i>Cyl. ext. diameter</i>	115
Diametro stelo - <i>Rod diameter</i>	75 - 60
Interasse aperto - <i>Centers (open)</i>	2045
Interasse chiuso - <i>Centers (closed)</i>	145
Corsa - <i>Stroke</i>	1900
Ø perni articolazione - <i>Artic. pin Ø</i>	40
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 5° - 6° - 7° - 8° SFILO 5TH - 6TH - 7TH - 8TH EXT. CYL.

Alesaggio - <i>Cylinder bore</i>	90
Diametro esterno - <i>Cyl. ext. diameter</i>	105
Diametro stelo - <i>Rod diameter</i>	65 - 50
Interasse aperto - <i>Centers (open)</i>	2135
Interasse chiuso - <i>Centers (closed)</i>	135
Corsa - <i>Stroke</i>	2000
Ø perno fissaggio - <i>Fixing pin Ø</i>	35
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 9° - 10° SFILO 9TH - 10TH EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	85
Diametro esterno - <i>Cyl. ext. diameter</i>	100
Diametro stelo - <i>Rod diameter</i>	60 - 40
Interasse aperto - <i>Centers (open)</i>	2285
Interasse chiuso - <i>Centers (closed)</i>	135
Corsa - <i>Stroke</i>	2150
Ø perni articolazione - <i>Artic. pin Ø</i>	35
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS JIB J6

CILINDRO ARTICOLAZIONE JIB JIB ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	125
Diametro esterno - <i>Cyl. ext. diameter</i>	145
Diametro stelo - <i>Rod diameter</i>	70 - 0
Interasse aperto - <i>Centers (open)</i>	2005
Interasse chiuso - <i>Centers (closed)</i>	1170
Corsa - <i>Stroke</i>	835
Ø perni articolazione - <i>Artic. pin Ø</i>	45 / 80
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 1° - 2° SFILO JIB 1ST - 2ND JIB 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>Centers (open)</i>	1704
Interasse chiuso - <i>Centers (closed)</i>	104
Corsa - <i>Stroke</i>	1600
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

CILINDRO 3° - 4° SFILO JIB 3RD - 4TH JIB 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>Centers (open)</i>	1774
Interasse chiuso - <i>Centers (closed)</i>	104
Corsa - <i>Stroke</i>	1670
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Materiale perno/i - <i>Pin material</i>	42CrMo4 BNF

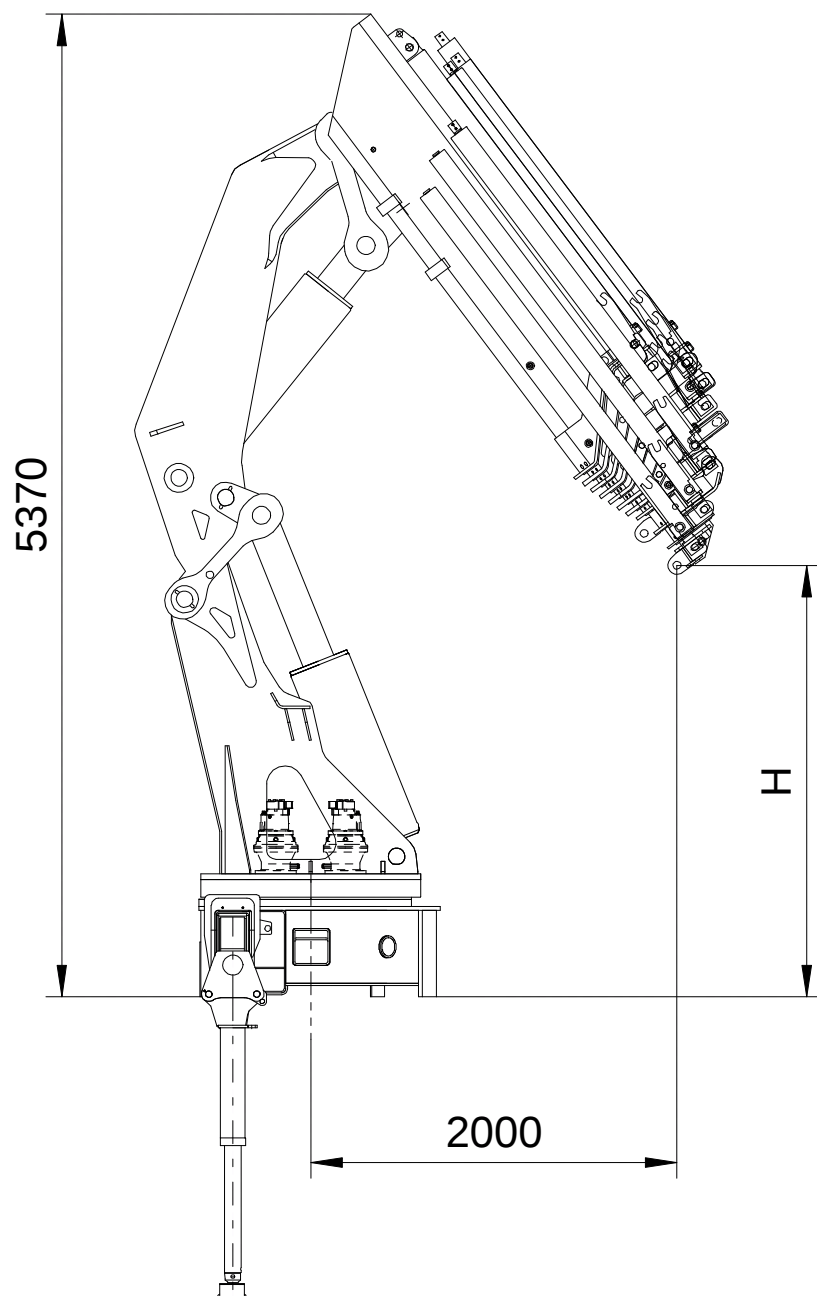
CILINDRO 5° SFILO JIB 5TH JIB EXTENSION CYL.

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

CILINDRO 6° SFILO JIB 6TH JIB EXTENSION CYL.

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

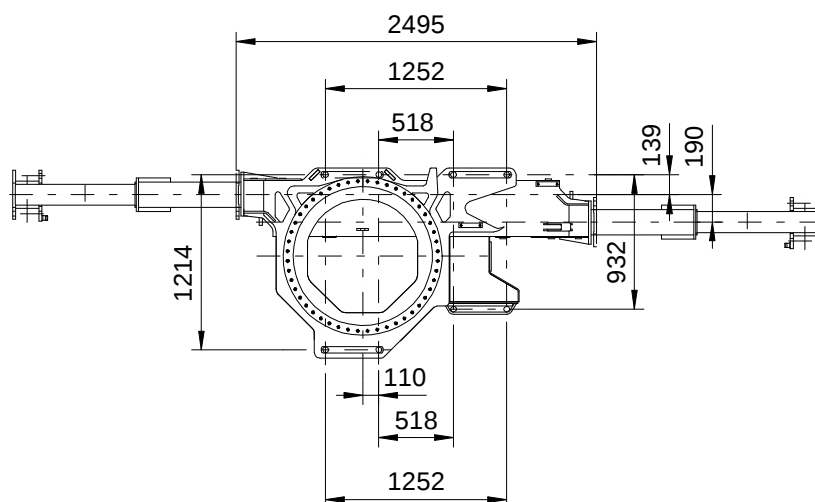
ALTEZZA ATTACCO GANCIO HOOK HEIGHT



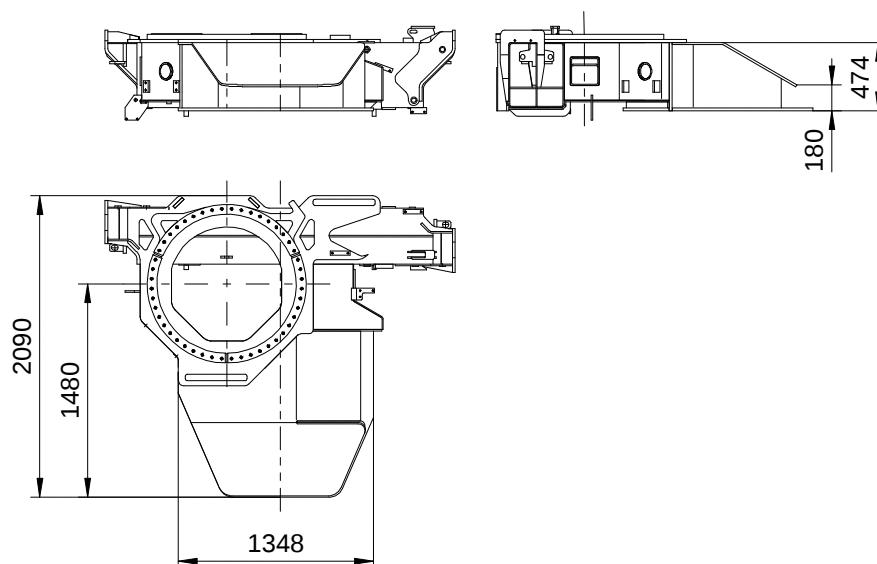
	H (mm)
2S	2650
4S	2650
6S	2580
8S	2530
10S	2355

2S	4S	6S	8S	10S	
2650	2650	2580	2530	2355	H

DIMENSIONI BASAMENTO BASE DIMENSIONS

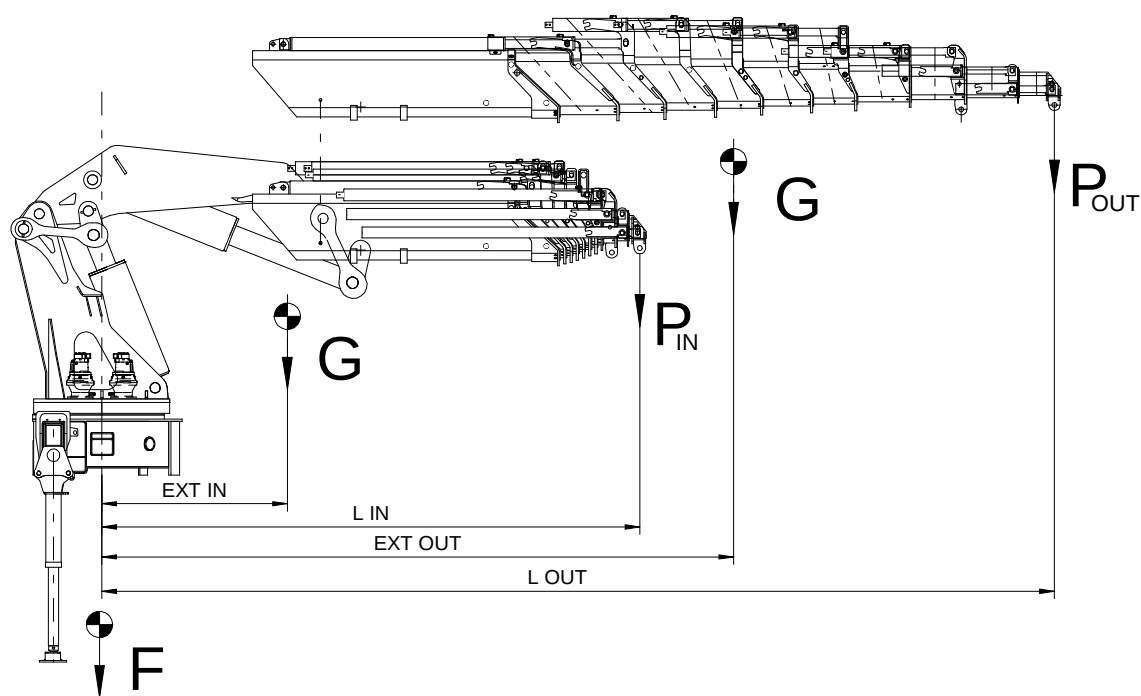


VERSIONE CON
BASAMENTO INTEGRALE



Tiranti di staffaggio Tie mounting rods	N°8 M39x3 42CrMo4 BNF
Viti fissaggio ralla Fixing bolts for bearing	M20x150 12.9 UNI 5931

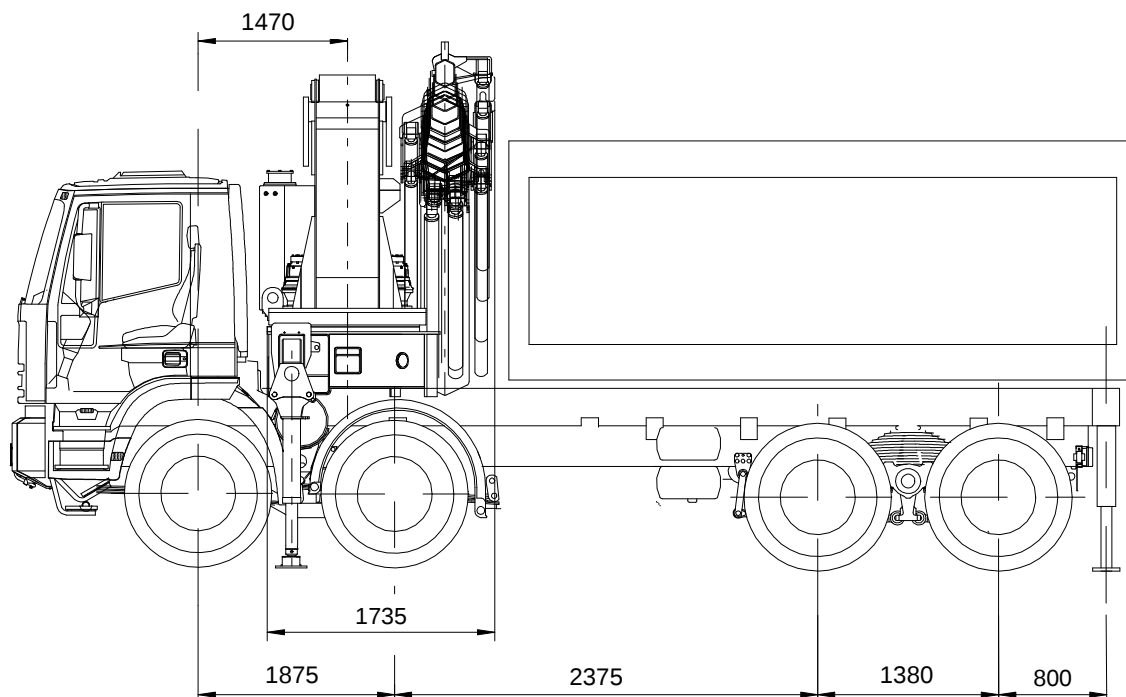
PESI – BARICENTRI WEIGHTS – CENTERS OF GRAVITY



		2S	4S	6S	8S	10S	6SJ6
Massa parti fisse F (kg) Fixed parts weights F		4750	4750	4750	4750	4750	4750
Massa parti mobili G (kg) Mobile parts weights G		2700	3350	3950	4500	4900	5450
Sfili chiusi Folded extensions	EXT IN (m)	1.82	2.05	2.21	2.34	2.43	8.53 (*)
	L_{IN} (m)	4.25	4.32	4.47	4.47	4.75	19.00
	Portata P_{IN} (kg) Load	16100	15350	14400	14000	13050	1600
Sfili estesi Opened extensions	EXT OUT (m)	2.44	3.74	5.16	6.61	7.80	9.20 (*)
	L_{OUT} (m)	7.75	11.65	15.80	19.80	24.35	29.20
	Portata P_{OUT} (kg) Load	9020	5550	3600	2400	1600	850

(*) baricentri calcolati con i primi 6 sfili idraulici estesi

(*) centers of gravity calculated with extended first 6 hydraulic extensions

**AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS****PTT (GVW) = 410 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara 1° asse = 3660 kg

Tara 2° asse = 3200 kg

Carico ammissibile 1° asse = 7500 kg

Carico ammissibile 2° asse = 7500 kg

Asse posteriore

Tara tandem posteriore = 3740 kg

PESI ALLESTIMENTO

Peso cassone = 1000 kg

Peso gru = 9300 kg (VR75-10S)

Peso controtelaio = 1200 kg

Stabilizzatori supplementari

Apertura minima = 6900 mm

Peso stabilizzatori supplementari = 1060 kg

Coefficiente di stabilità = 1,37**CHASSIS DATA****Front axle**1st axle tare weight = 3660 kg2nd axle tare weight = 3200 kgAllowable 1st axle weight = 7500 kgAllowable 2nd axle weight = 7500 kg**Rear axle**

Rear tandem tare weight = 3740 kg

OUTFIT WEIGHTS

Body weight = 1000 kg

Crane weight = 9300 kg (VR75-10S)

Counterframe weight = 1200 kg

Rear beam stabilizers

Min. width = 6900 mm

Rear stabilizer weight = 1060Kg

Stability index = 1,37

CONTROTELAIO MINIMO

MIN COUNTERFRAME

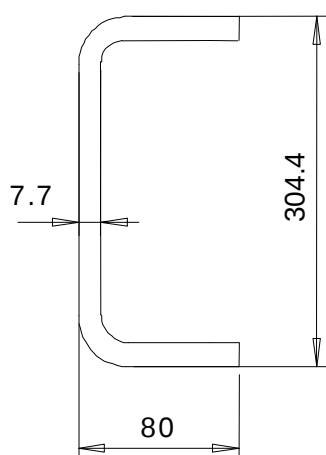
Momento dinamico max (daNm)

Max dynamic moment

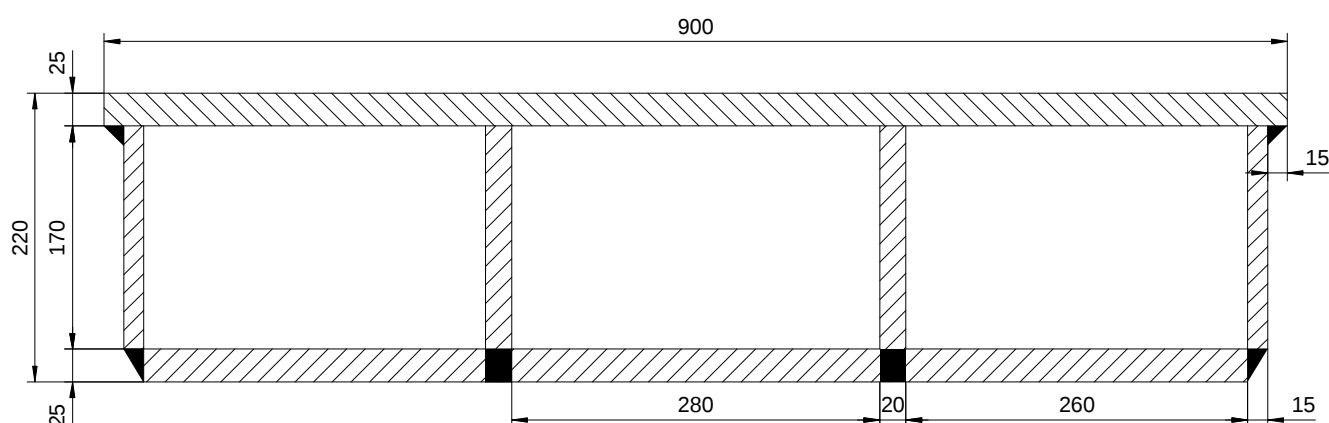
81400

Sezione telaio minima (autocarro PTT=410 q)

Min frame section (truck GVW 41 ton)

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

Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

GRU CRANE VR75 2S - 4S - 6S

Max tiro diretto per gru con posizione di lavoro a bracci orizzontali

Max winch direct pull for crane at horizontal boom work position

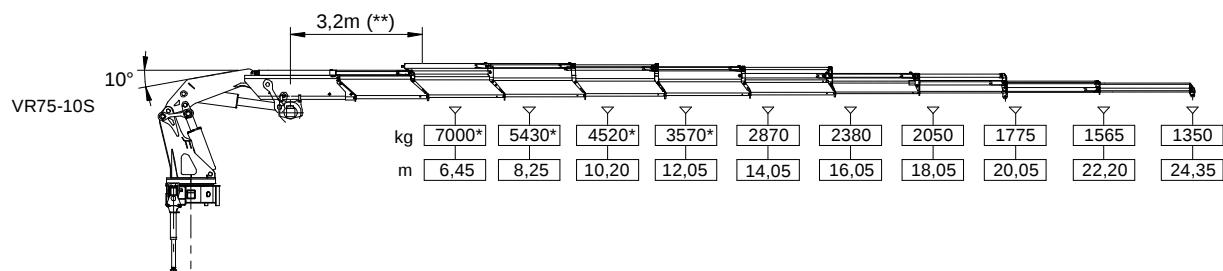
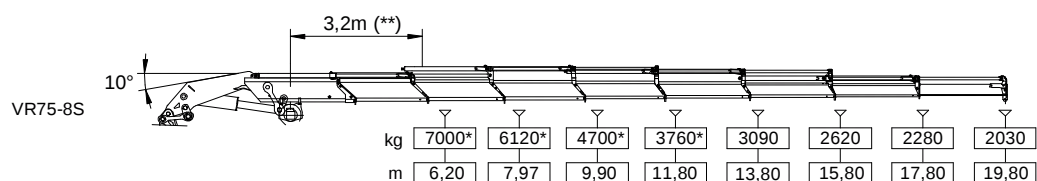
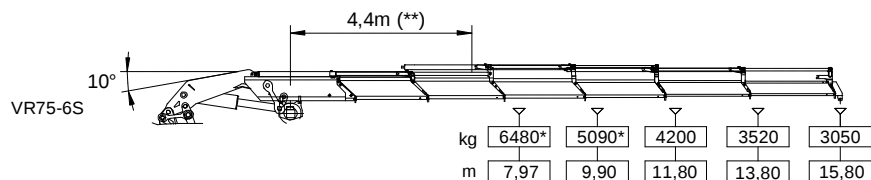
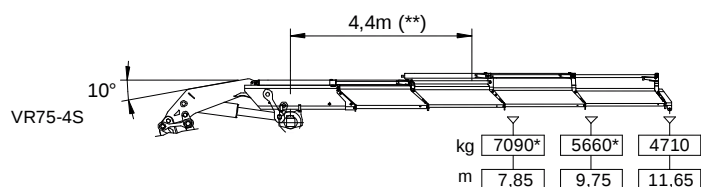
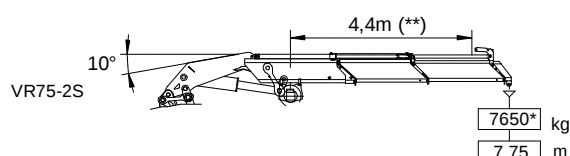
5000 kg

RU CRANE VR75 8S - 10S

Max tiro diretto per gru con posizione di lavoro a bracci orizzontali

Max winch direct pull for crane at horizontal boom work position

3500 kg



(*) = Puleggia argano con tiro doppio

(*) = Pulley with double line pull

(*) = Seilrolle mit Doppelzug

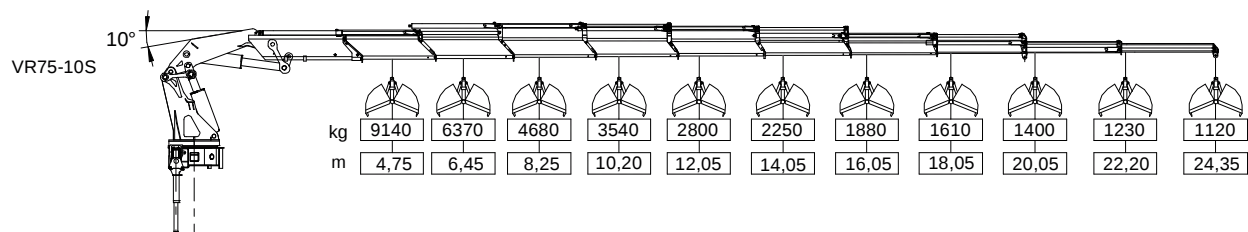
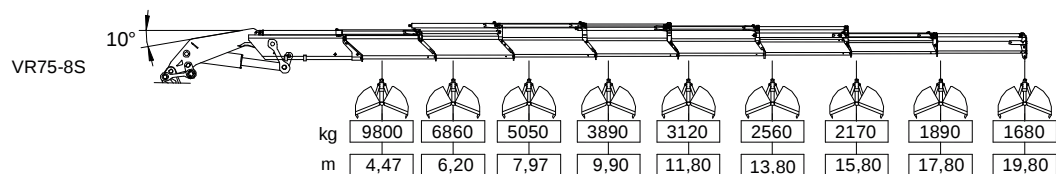
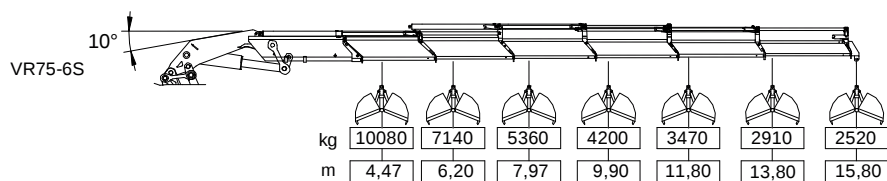
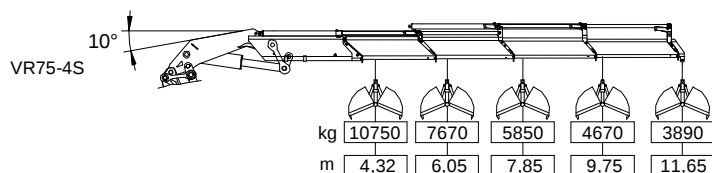
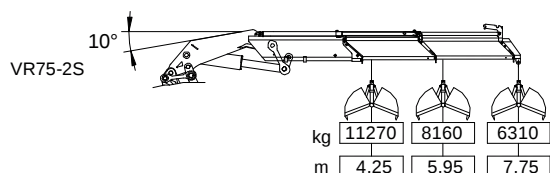
(**) = Distanza minima di utilizzo argano

(**) = 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	830 kg
Pressione max. di esercizio Max working pressure	280 bar



LE PORTATE DELLE GRU CON ATTIVAZIONI (BENNA, POLIPO) SONO DECLASSATE DEL 30% RISPETTO ALLE GRU STANDARD.
THE CAPACITIES OF THE ACTIVATED CRANES (FOR GRAB OR BUCKET) ARE DERATED BY 30% RESPECT TO THE STANDARD CRANES.