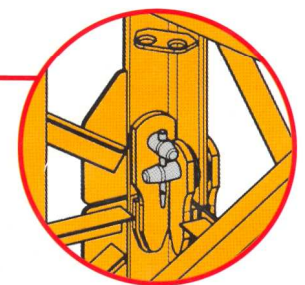
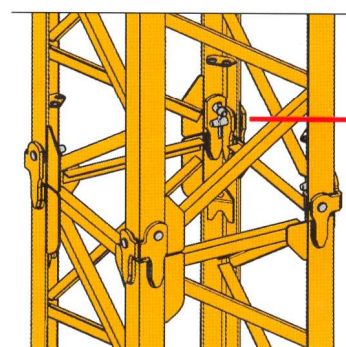
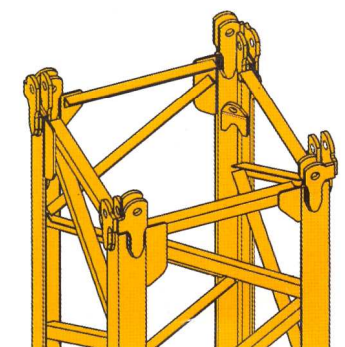
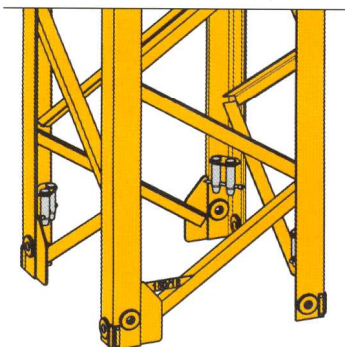
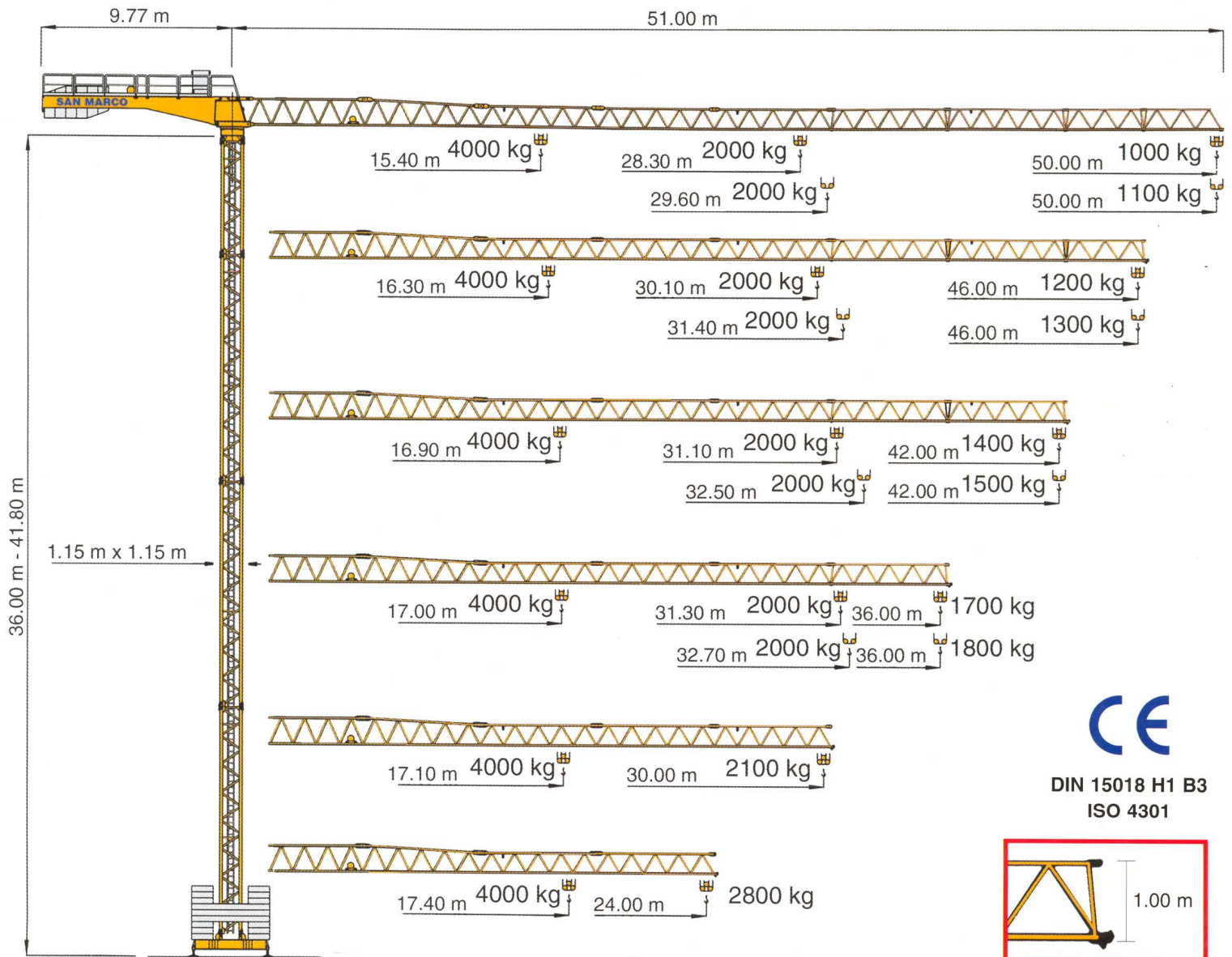


SMT 50

Gru a torre montaggio modulare

Triverter 444

-  Tower crane modular assembly
-  Turmdrehkran modulare montage
-  Grue a tour montage modulaire
-  Grua torre montaje modular



Diagrammi di carico



Loads diagrams

Lastkurven



Courbes de charges

Curvas de carga

m	12	18	24	30	36	38	40	42	44	46	48	50	m
t	2.00	2.00	2.00	1.97	1.60	1.51	1.42	1.34	1.27	1.21	1.15	1.10	50
t	2.00	2.00	2.00	1.87	1.50	1.41	1.32	1.24	1.17	1.11	1.05	1.00	
t	4.00	3.36	2.42	1.87	1.50	1.41	1.32	1.24	1.17	1.11	1.05	1.00	
t	2.00	2.00	2.00	2.00	1.72	1.61	1.52	1.44	1.37	1.30			46
t	2.00	2.00	2.00	2.00	1.62	1.52	1.42	1.34	1.27	1.20			
t	4.00	3.60	2.60	2.00	1.62	1.52	1.42	1.34	1.27	1.20			
t	2.00	2.00	2.00	2.00	1.78	1.68	1.58	1.50					42
t	2.00	2.00	2.00	2.00	1.68	1.58	1.48	1.40					
t	4.00	3.73	2.70	2.09	1.68	1.58	1.48	1.40					
t	2.00	2.00	2.00	2.00	1.80								36
t	2.00	2.00	2.00	2.00	1.70								
t	4.00	3.76	2.72	2.10	1.70								
t	2.00	2.00	2.00	2.00	1.70								30
t	4.00	3.76	2.72	2.10	1.70								
t	4.00	4.00	2.80	2.4									2.5 t *

Tiro in II
Single wiring
Zwei Hubseile
Simple mouflage
Tiro simple



Tiro in IV disinserito
Disconnected double wiring
Vierstrangbetrieb ausser Betrieb
Double mouflage hors service
Tiro doble desconectado



Tiro in IV inserito
Connected double wiring
Vierstrangbetrieb in Betrieb
Double mouflage en service
Tiro doble conectado



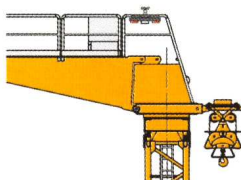
Carrello - Variatore (Inverter)

Trolley - Speed controller

Katzfahren - Unrichter

Chariot - Variateur

Carro - Variador



ACVF1.8				
	◀	▶	⏏	
m/min	10	20	30	40
kW	1.8			

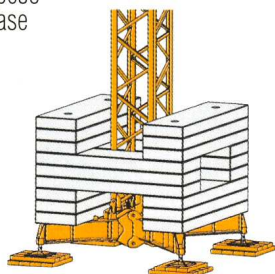
Zavorre di base^{NB}

Base ballast

Basisballast

Lest de base

Contrapeso de la base



Carro Truck Wagen Embase Carro	Altezza Height Höhe Hauteur Altura	Zavorra Ballast Ballast Lest Contrapeso
m	m	t
3.8x3.8	12-18-24	24.0
3.8x3.8	30	30.0
3.8x3.8	36	36.0
3.8x3.8	42	54.0
3.2x3.2	12-18-24	32.2
3.2x3.2	30	36.8

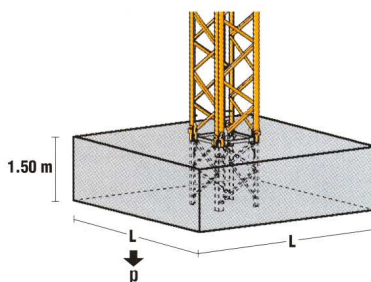
Dimensioni in lunghezza e larghezza del plinto di base^{NB}

Sizes in length and width of the base footing

Längenabmessungen und breite des Basisplinth

Dimensions en longueur et largeur fondation

Dimensiones de la zapata de base



p	h = 12-18	h = 24	h = 30	h = 36	h = 42
L x L					
daN/cm²	m	m	m	m	m
1.0	4.4x4.4	4.4x4.4	4.5x4.5	5.0x5.0	5.6x5.6
1.2	4.0x4.0	4.0x4.0	4.2x4.2	4.7x4.7	5.3x5.3
1.4	3.8x3.8	3.8x3.8	3.9x3.9	4.4x4.4	5.0x5.0
1.6	3.6x3.6	3.6x3.6	3.8x3.8	4.3x4.3	4.9x4.9
1.8	3.5x3.5	3.5x3.5	3.6x3.6	4.2x4.2	4.8x4.8
2.0	3.4x3.4	3.4x3.4	3.5x3.5	4.1x4.1	4.6x4.6

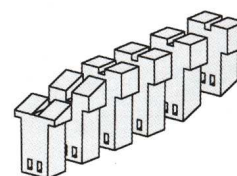
Zavorre di volata

Jib ballast

Ausleger-gegengewicht

Contrepois de la flèche

Contrapeso de la controflecha



50 m	12.2 t
46 m	12.2 t
42 m	11.1 t
36 m	10.0 t
30 m	7.8 t
24 m	6.3 t

Rotazione - Variatore (Inverter)

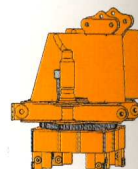
Slewing - Speed controller

Schwenken - Unrichter

Orientation - Variateur

Orientación - Variador

	◀	▶	⏏	
rpm	0.1	0.3	0.5	0.8
kW	2.5			
kgm	6.5			



Sblocco freno di rotazione

Rotation brake release

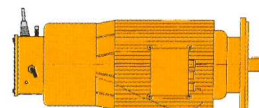
Drehungsbremseentblockung

Ouverture du frein d'orientation

Desbloqueo freno de giro



Intervento manuale
Manual intervention
Hand-Antrieb
Commande manuelle
Intervencion manual



Intervento con radiocomando o pulsantiera
Intervention with radioremoté/
cable radio control

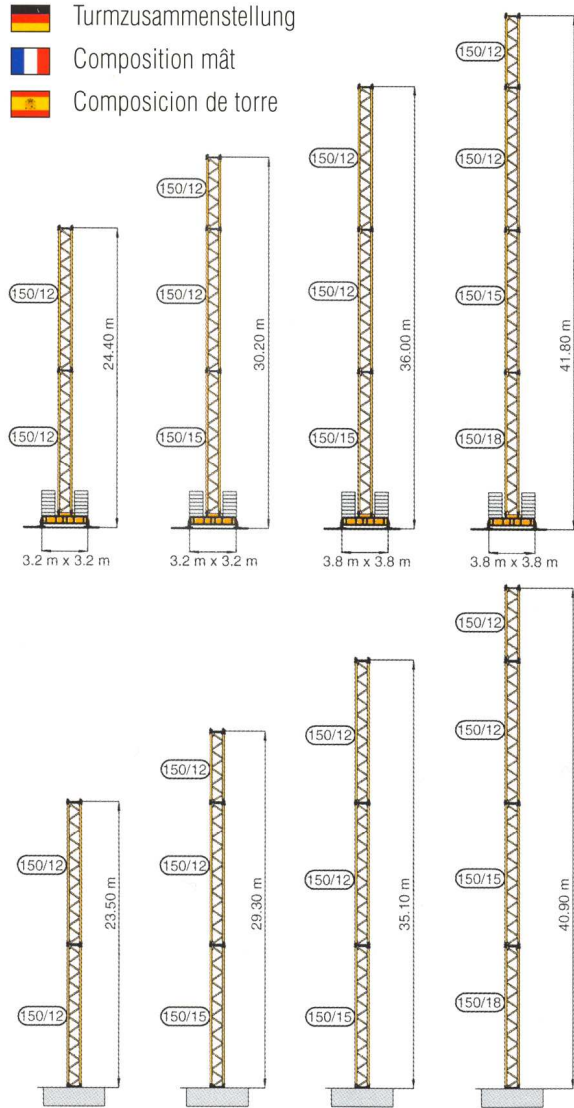
Antrieb mit Funksteuerung or Steuerpulte
Commande à distance par radio ou par cable
Intervencion con mando a distancia
o botonera

Gru a torre montaggio modulare SMT 50

Triverter 444

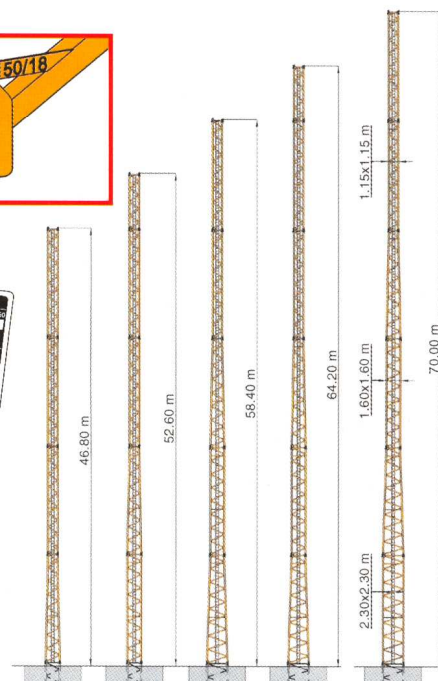
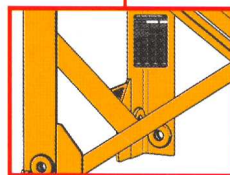
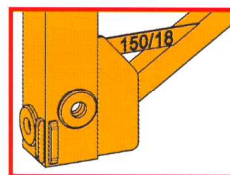
Composizione torre

- Tower composition
- Turmzusammenstellung
- Composition mât
- Composicion de torre



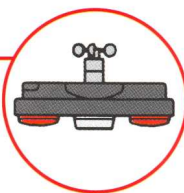
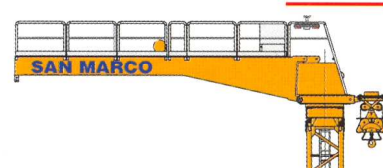
Torre altezza 70 m

- Tower height 70 m
- Turm Höhe 70 Meter
- Hauteur du mât 70 metres
- Altura de torre 70 metros



Anemometro

- Anemometer
- Windmesser
- Anemometre
- Anemometro



Sollevamento - Variatore (Inverter)

- Hoisting - Speed controller
- Heben - Unrichter
- Levage - Variateur
- Elevación - Variador

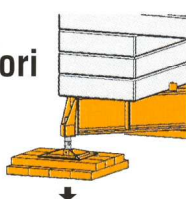
ASVF11												ASVF15*											
·		·		·		·		·		·		·		·		·		·		·			
m/min	10	30	45	60	5	15	22	30	10	30	45	60											
t	2.0	2.0	1.4	0.8/1.0	4.0	4.0	2.8	1.6/2.0	2.5	2.5	1.8	1.2											
kW	11				11				15														

Potenza elettrica necessaria

- Power requirement
- Anschlusswert
- Puissance électrique nécessaire
- Potencia eléctrica necesaria

V	380
Hz	50
kW	25

Azioni su stabilizzatori



- Actions on the stabilizers
- Wirkung auf die Stabilisatoren
- Action sur les verins
- Reacciones sobre estabilizadores

Altezza Height Höhe Hauteur Altura	Carro Truck Wagen Embase Carro	In servizio In use In Betrieb En service En servicio	Fuori servizio Out of order Ausser Betrieb Hors service Fuera servicio
m	m	t	t
12-18-24	3.8x3.8	28.0	18.0
30	3.8x3.8	31.0	25.0
36	3.8x3.8	35.0	33.0
42	3.8x3.8	44.0	44.0
12-18-24	3.2x3.2	32.0	21.0
30	3.2x3.2	36.0	29.0

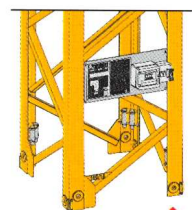
NB Uguali per tutte le lunghezze di braccio • Same for all jib lengths •
Für alle Auslegerlängen gleich • Egal pour toutes les longueurs
de flèche • Igual para todas las longitudes de flecha

* A richiesta • On request • Auf Wunsch • Sur demande •
Sobre demanda



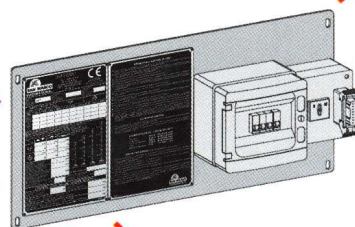
Comandi da terra

-  Ground control
-  Antriebe von Boden
-  Commande du sol
-  Maniobra desde tierra
(en el primer tramo
o base de grúa)

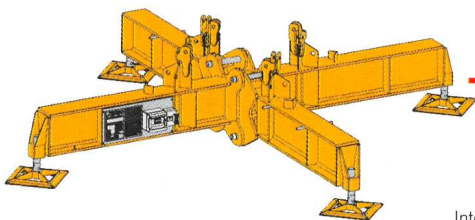


Sezionatore linea
On/off switch
Schalter
Sectionneur de ligne
Seccionador de linea

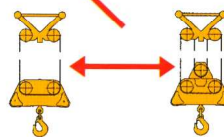
Commutatore radiocomando/pulsantiera
Radioremotte/cable radio control selector
Umschalter Funksteuerung/Steuerpulte
Commutateur radio commande-boîte à boutons
Comutador mando a distancia/botonera



Sblocco freno di rotazione
Rotation brake release
Drehungsbremseentblockung
Ouverture du frein d'orientation
Desbloqueo freno de giro



Interruttore faro
On/off light switch
Beleuchtungschalter
Interrupteur phare
Interruptor luz roja



Selettore per funzione sollevamento tiro in II / tiro in IV
Single/double wiring selector
Selektor Hebung zwei Hubseilen/Vierstrangbetrieb
Sélecteur fonction de levage simple
mouflage-double mouflage
Selector funcion tiro sencillo y tiro doble

- Strutture in acciaio ad alta resistenza per impiego a basse temperature
- Braccio e torre a montaggio modulare
- Bassa emissione acustica e livello di potenza sonora garantito e certificato
- Climatizzazione termostatica dell'equipaggiamento elettrico per alte e basse temperature
- Mezzi di accesso alla parte superiore della grua
- Anemometro con segnalatore ottico e acustico

- High-strength steel structure for use at low temperatures
- Modular assembly jib and tower
- Guaranteed and certified low acoustics emission and sound powers level
- Automatic temperature control of electrical equipment for high and low temperatures
- Disassembled stair on the tower
- Anemometer with optical and acoustic indicator

- Strukturen aus hochfestem Stahl für den Einsatz bei niedrigen Temperaturen
- Ausleger und Turm mit modularer Montage
- Niedriger Geräuschpegel und Schallleistungsniveau garantiert und zertifiziert
- Thermostatgesteuerte Klimatisierung der elektrischen Ausrüstung für hohe und niedrige Temperaturen
- Ausrüstungen für den Zugang zum oberen Teil des Krans
- Windmesser mit optischen Signalton

- Structures en acier à haute résistance pour utilisation aux basses températures
- Flèche et mât à montage modulaire
- Émission acoustique réduite et niveau de puissance sonore garantie avec certificat
- Climatisation thermostatique de l'équipement électrique pour températures ambiantes élevées ou basses
- Escaliers d'accès au mât démontables
- Anémomètre avec avertisseur optique et acoustique

- Estructura en acero de alta resistencia para trabajar a baja temperaturas
- Flecha y torre de montaje modular
- Baja emisión acústica y nivel de potencia sonora garantizada y certificada
- Climatización termostática del equipamiento eléctrico para bajas y altas temperaturas
- Medios de acceso a la parte superior de la grúa
- Anemometro con señalizador óptico y acústico

- Conforme alle direttive CEE: 89/392; 91/368; 93/44; 93/68 e 98/37 direttiva macchine
- Conforme alle direttive CEE: 2000/14 e 87/405 livello acustico
- Conforme alle direttive CEE: 89/336 compatibilità magnetica
- Conforme alle direttive CEE: 73/23 bassa tensione
- Conforme al D.P.R. 27/4/55 n. 547
- Le nostre macchine sono protette da assicurazione per responsabilità civile prodotti senza termine
- Specifiche suscettibili di variazioni senza preavviso.

- In compliance with the EEC 89/392; 91/368; 93/44; 93/68 and 98/37 regulations
- In compliance with the EEC 2000/14 and 87/405 regulations on noise levels
- In compliance with the EEC 89/336 regulations on electromagnetic compatibility
- In compliance with the EEC 73/23 regulations on electrical equipment
- Machine covered by lifetime public liability insurance coverage
- Specifications subject to modification without notice.

- Gemäss EWG Richtlinien 89/392; 91/368; 93/44; 93/68 und 98/37
- Gemäss EWG Richtlinien 2000/14 und 87/405 über schall-leistungspegel
- Gemäss EWG Richtlinie 89/336 über Elektromagnetische Verträglichkeit
- Gemäss EWG Richtlinie 73/23 über Elektrische Ausrüstung
- Maschine unter Produkt-Haftpflichtversicherungsschutz ohne Fristangabe
- Obiges kann ohne Berstaendigung geändert werden.

- Conforme à les directives CEE 89/392; 91/368; 93/44; 93/68 et 98/37
- Conforme à les directives CEE 2000/14 et 87/405 sur le niveau acoustique
- Conforme à la directive CEE 89/336 sur la compatibilité électromagnétique
- Conforme à la directive CEE 73/23 sur l'équipement électrique
- Machines assurées pour la responsabilité civile des produit sans échéance
- Specifications susceptibles de modification sans avis préalable.

- Conforme con las directivas CEE 89/392; 91/368; 93/44; 93/68 y 98/37
- Conforme con las directivas CEE 2000/14 y 87/405 sobre el nivel acústico
- Conforme con la directiva CEE 89/336 sobre la compatibilidad magnetica
- Conforme con la directiva CEE 73/23 sobre baja tension
- Máquina protegida y asegurada por la responsabilidad civil de productos todo riesgo
- Especificaciones sujetas a modificaciones sin previo aviso.



SAN MARCO INTERNATIONAL

**COSTRUZIONI GRU - BETONIERE
E ATTREZZATURE EDILI**

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Timbro rivenditore