

CF4

COMPACT ROTARY RIG



**Innovative
features**

**Compact
dimensions**

**Multipurpose
drilling modes**

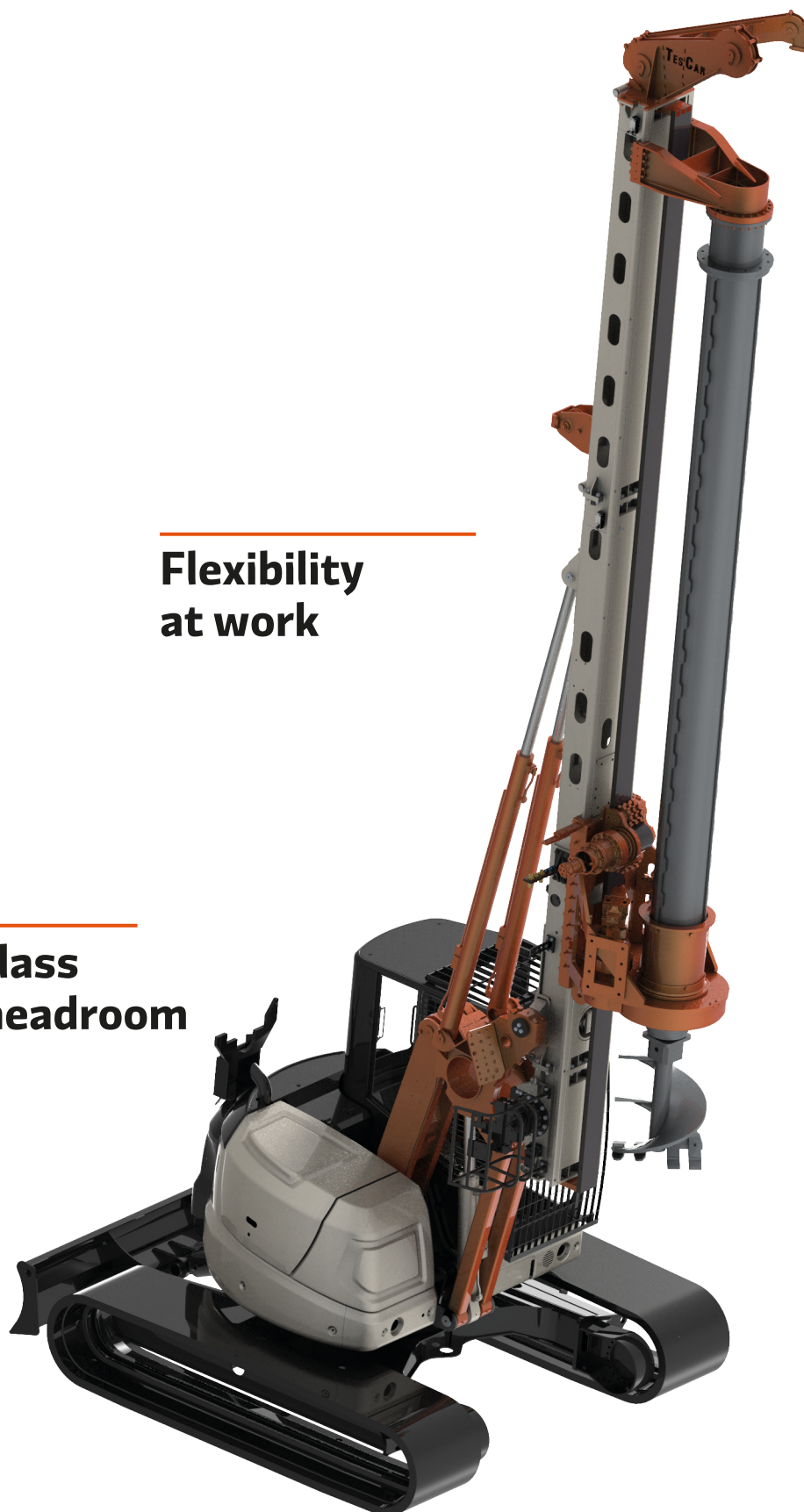
**Versatile
working setup**

**Flexibility
at work**

**Simplicity
of use**

**Best in class
for low headroom
jobsites**

**Low ground
pressure**





SCHEDA TECNICA — KIT DI PERFORAZIONE

DATA SHEET — DRILLING KIT

CF4

Rotary idraulica

Coppia max nominale	<i>Max nominal torque</i>	45 kNm – 33190 ft lbs
Velocità max di perforazione	<i>Max drilling speed</i>	30,0 rpm
Velocità di scarico	<i>Spin-off speed</i>	60,0 rpm

Hydraulic rotary head

Argano Principale

Tiro sul 1° strato	<i>Line pull on 1st layer</i>	50 kN – 11240 lbs
Velocità max	<i>Max line speed</i>	63 m/min – 206 ft/min
Diametro della fune	<i>Rope diameter</i>	16 mm – 0,62 in

Main winch

Argano Ausiliario

Tiro sul 1° strato	<i>Line pull on 1st layer</i>	15 kN – 3372 lbs
Velocità max	<i>Max line speed</i>	95 m/min – 311 ft/min
Diametro della fune	<i>Rope diameter</i>	14 mm – 0,55 in

Auxiliary winch

Martinetto Pull Down

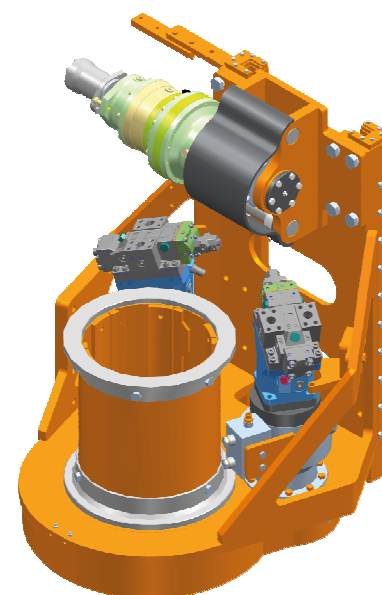
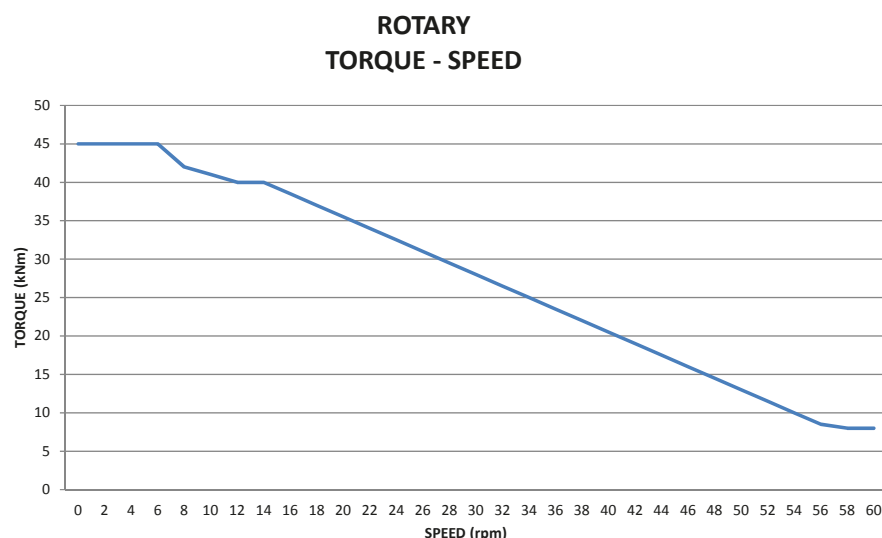
Forza di estrazione	<i>Extraction force</i>	80 kN – 17984 lbs
Forza di spinta	<i>Crowd force</i>	100 kN – 22480 lbs
Corsa	<i>Stroke</i>	1500 mm – 59 in

Crowd Ram System

Motoriduttore a catena

Forza di estrazione/spinta	<i>Extraction/crowd force</i>	50 kN – 11240 lbs
Corsa	<i>Stroke</i>	7000 mm – 275 in

Crowd Chain-Motor System



SCHEDA TECNICA — BASE CARRO

DATA SHEET — BASE CARRIER

Carro base

Tipo	Type	Eurocomach ESP100 UR
Motore diesel	Diesel engine	YANMAR 4TNV98CT-VPR
Normativa emissioni	Exhaust emission standard	EU Stage IV - US EPA Tier4
Potenza a 2300 rpm	Rated power @ 2300 rpm	54 kW – 73 HP
Capacità serbatoio carburante	Fuel tank capacity	200 l – 53 gal
Livello di pressione sonora in cabina	Sound pressure level in cabin	72 dB(A)
Livello di potenza sonora	Sound power level	102 dB(A)

Base Carrier

Impianto idraulico

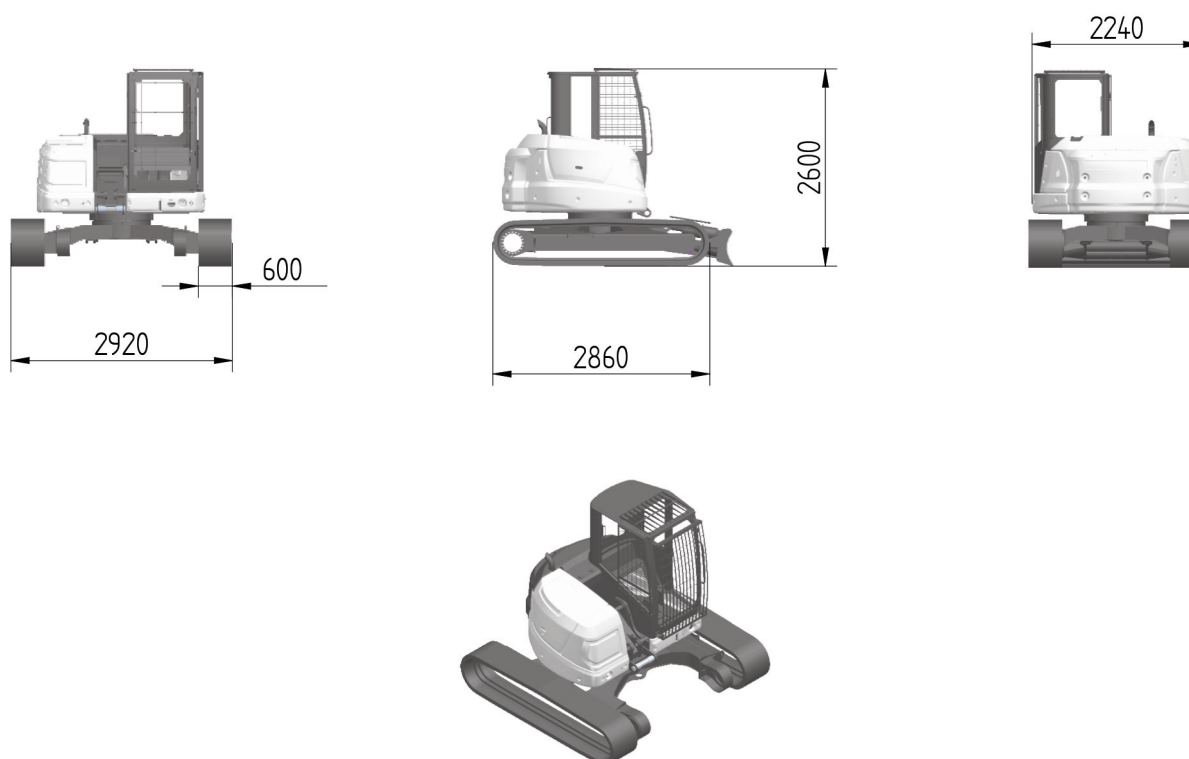
Portata pompe principali	Main pumps flow rate	1x 185 l/min – 1x 49 gpm
Portata pompa secondaria	Auxiliary pump flow rate	20 l/min – 5,3 gpm
Pressione di lavoro	Working hydraulic pressure	280 bar – 4061 psi
Massima pressione	Max hydraulic pressure	300 bar – 4351 psi
Capacità serbatoio olio idraulico	Hydraulic oil tank capacity	90,0 l – 23,8 gal

Hydraulic System

Sottocarro

Larghezza con cingoli chiusi	Width with retracted tracks	2320 mm – 90,5 in
Larghezza con cingoli aperti	Width with extended tracks	2920 mm – 113,9 in
Lunghezza cingoli	Overall tracks length	2861 mm – 111,6 in
Larghezza pattini a tre barre	Width of triple grouser track shoes	450 mm – 17,6 in
Velocità di traslazione	Travel speed	5 Km/h – 3,1 mph
Forza di trazione	Traction force	115 kN – 25852 lbs

Undercarriage

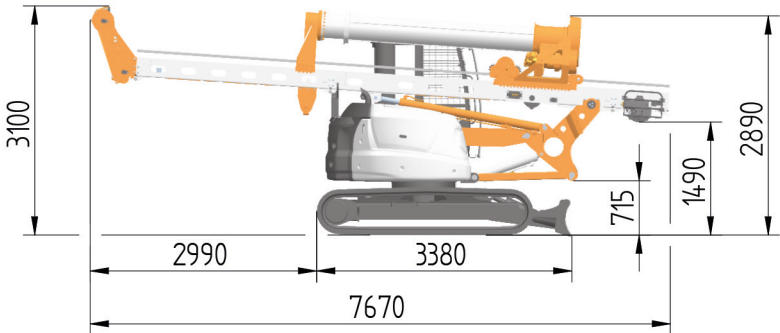
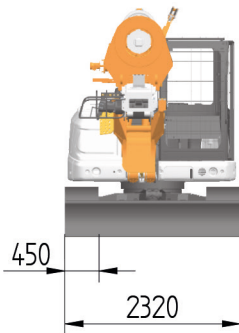


MODALITÀ DI TRASPORTO TRANSPORT MODE

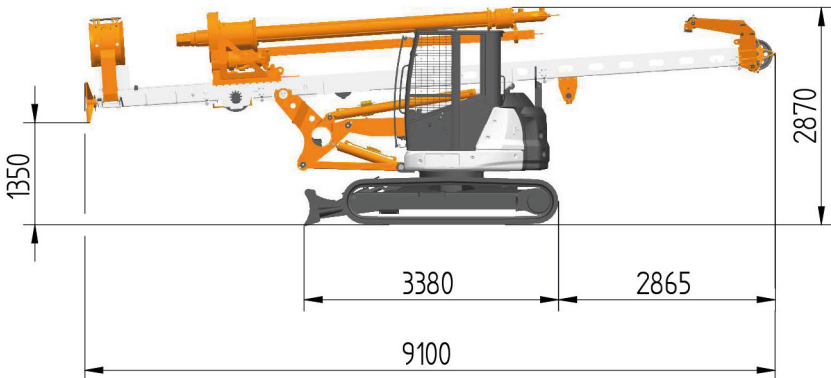
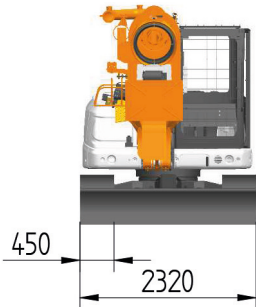
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Dimensioni per il trasporto	Transport dimensions	
Altezza in versione kelly bar	Height in kelly bar mode	3100 mm – 10,2 ft
Altezza in versione CFA	Height in CFA mode	2870mm – 9,4 ft
Lunghezza in versione kelly bar	Length in kelly bar mode	7670 mm – 25,1 ft
Lunghezza in versione CFA	Lenght in CFA mode	9100 mm – 29,7 ft
Larghezza	Width	2320 mm – 7,6 ft
Peso (con Kelly Bar da 28m)	Weight (with 28m kelly bar)	15500 kg – 34172 lbs
Peso (in versione CFA)	Weight (in CFA mode)	14000 kg – 30864 lbs

VERSIONE PALI KELLY BAR / KELLY BAR PILING MODE



VERSIONE PALI CFA / CFA PILING MODE



EQUIPAGGIAMENTO STANDARD STANDARD EQUIPEMENT

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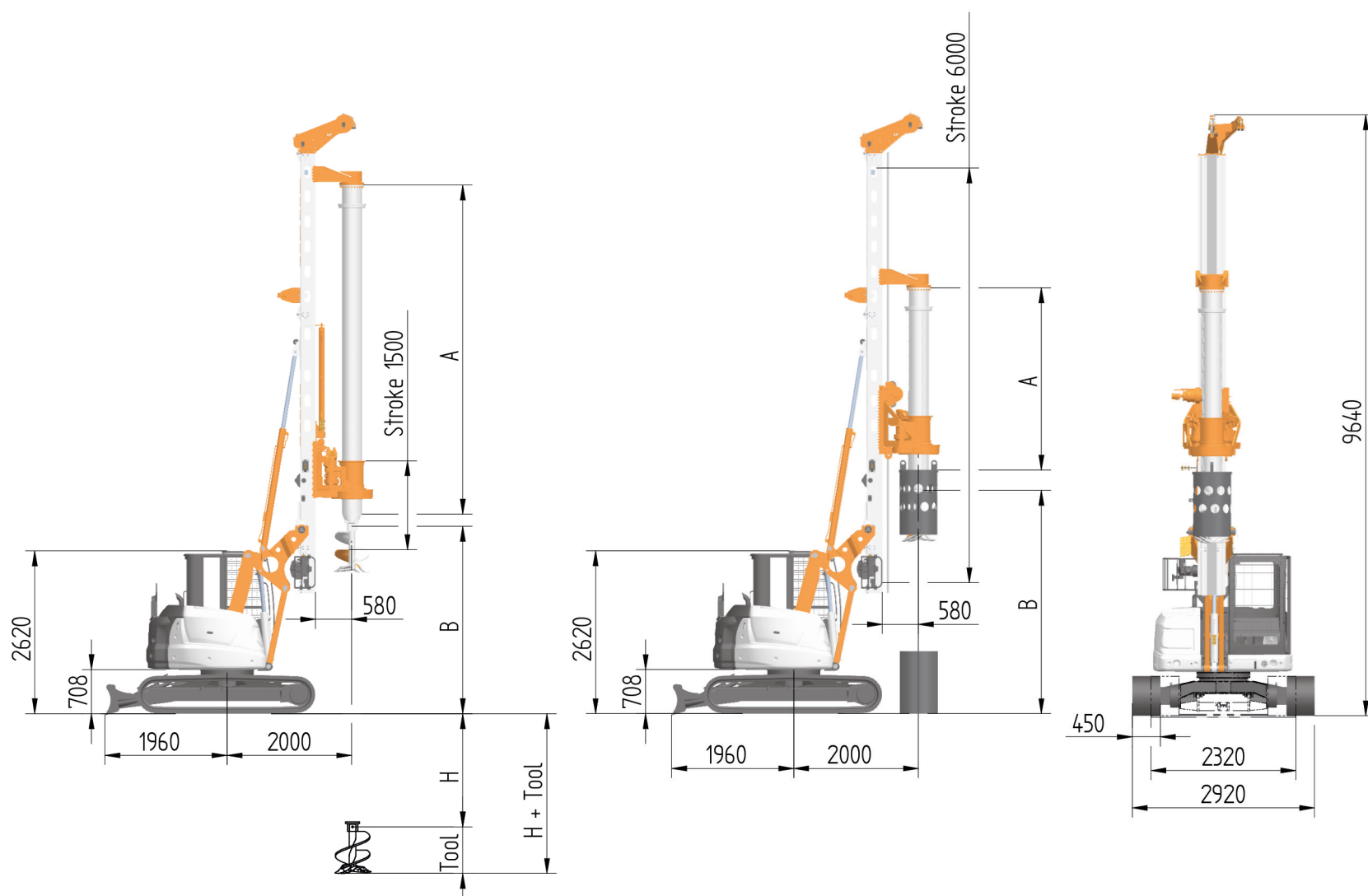
Motore diesel conforme alle norme EU Stage IV / US EPA Tier 4	<i>EU Stage IV / US EPA Tier 4 compliant diesel engine</i>
Profondimetro elettronico con display digitale	<i>Depth measurement device with onboard screen</i>
Controllo automatico della cilindrata dei motori rotary	<i>Automatic control of rotary motors displacement</i>
Sistema di "contraccolpo rotary" per scarico rapido dell'utensile	<i>Rotary knockback system for quick tool discharge</i>
Argano principale e ausiliario a discesa controllata	<i>Main and auxiliary winch controlled descent type</i>
Interruttore fine-corsa sulla fune principale e ausiliaria	<i>Hoist limit switch on main and aux ropes</i>
Raccordi a innesto rapido	<i>Quick-release hydraulic couplers</i>
Testina girevole sulla fune principale	<i>Swivel head on main rope</i>
Punto di aggancio per la fune ausiliaria	<i>Aux rope hooking point</i>
Sottocarro con cingoli allargabili	<i>Variable gauge undercarriage</i>
Occhielli di ancoraggio per trasporto	<i>Transport security lugs on crawler units</i>
Guida-aste superiore	<i>Kelly bar top guide</i>
Flangia "battibacket" sotto la rotary	<i>Beating flange for bucket opening</i>
Sistema di illuminazione di bordo	<i>On board lighting set</i>
Cassetta attrezzi a bordo	<i>On board tool box</i>
Cabina conforme alla norma ROPS con ottima visibilità, sedile ergonomico regolabile, joystick di controllo, spie acustiche e luminose.	<i>ROPS compliant cab with optimum visibility, adjustable ergonomic seat, joystick controls, acoustic and optic warning</i>
Griglia di protezione cabina conforme alle norme FOPS	<i>FOPS compliant protective grid</i>
Sistema di riscaldamento e aria condizionata in cabina	<i>Heat and air conditioning system</i>
Videocamera posteriore con schermo a colori in cabina	<i>Rear view camera with onboard colors screen</i>
Dispositivo per l'allineamento verticale del mast con schermo a bordo	<i>Mast verticality device with onboard screen</i>
Schermo digitale per il controllo dei parametri del motore	<i>Digital screen for engine parameters control</i>
Impianto Radio con lettore CD, MP3	<i>Radio with CD and MP3 player</i>
Pulsante d'arresto d'emergenza a bordo	<i>Emergency stop button onboard</i>
Pulsante d'arresto d'emergenza esterno per operatore a terra	<i>Emergency stop button outside the cab</i>

EQUIPAGGIAMENTO OPZIONALE OPTIONAL EQUIPEMENT

Motore diesel conforme alle norme EU Stage IIIA / US EPA Tier 3	<i>EU Stage IIIA - US EPA Tier 3 compliant diesel engine</i>
Allineamento verticale automatico del mast	<i>Automatic vertical mast alignment</i>
Flangia sotto rotary per testa giracamice	<i>Rotary flange for casing pipes driving</i>
Giunto cardanico per la rotary	<i>Cardanic joint for rotary</i>
Prolunga mast per configurazioni di lavoro speciali	<i>Mast extension for special working configurations</i>
Pulitore per eliche CFA - tipo a stella con funi	<i>Auger cleaning device - star type with ropes - for CFA</i>
Argano pull down aggiuntivo per CFA - 10 kN / 2248 lbs	<i>Additional crowd winch for CFA - 10 kN / 2248 lbs</i>
Computer di bordo per misurazione dei parametri di perforazione, completo di software per trasferimento dati al PC	<i>Computer board for drilling parameter measurements, complete with software for processing the data to the PC</i>

DETTAGLI TECNICI KELLY BARD KELLY BARS TECHNICAL DETAILS

CF4



	Kelly Dimensions A	Depth H	Weight	CRS System	CRS System LH	CRS System Super LH	CCMS System
	n° elem x m	m – ft	ton	B	B	B***	B
BL 6 Elementi	6 x 3,1	14 – 44,8	1,2		1,3***		5,1
	6 x 3,83	18 – 59	1,61	3,1	2		4,42
	6 x 4,49	22 – 72,1	1,7	3,1	1,3**		3,75
	6 x 4,79	24 – 78,7	1,8	3,1	1**		3,47
	6 x 5,25	27 – 88,58	2,4	2,95			3
BL 11 Elementi	11 x 1,7*	14 – 44,8	1,1	4		1,01	

*Solo con Configurazione Super LH

** Utilizzabile solo con eliche

***Pantografo Basso

VERSIONE PER PALI KELLY BAR BORED PILING

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Pali	Kelly bar bored piling	
Diametro min	Min diameter	350 mm – 13,8 in
Diametro max fronte mast	Max diameter along mast	1100 mm – 43,3 in
Diametro max sotto mast	Max diameter below mast	2000 mm – 78,7 in
Diametro max con tubi forma	Max diameter with casing pipes	600 mm – 23,6 in
Profondità max	Max depth	28 m – 91,8 ft

CRS

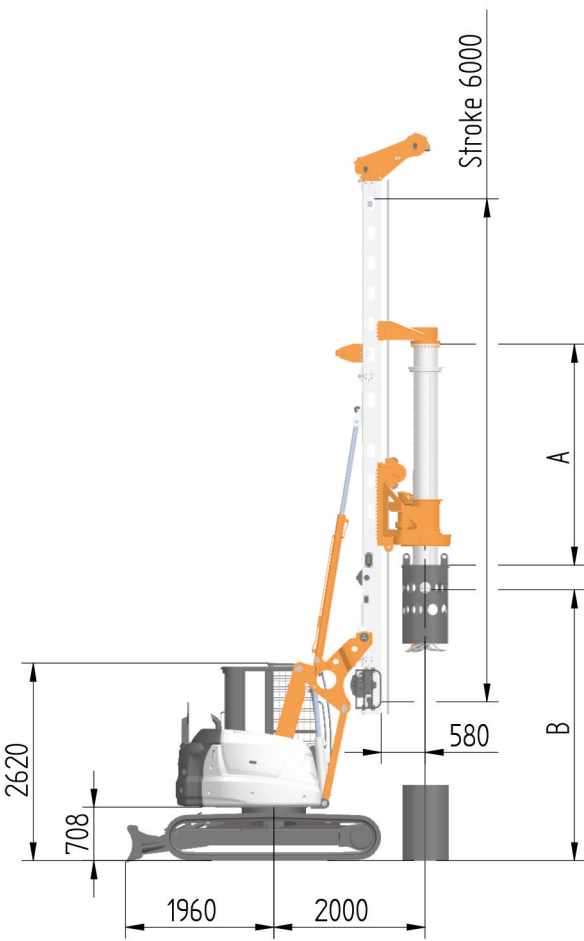
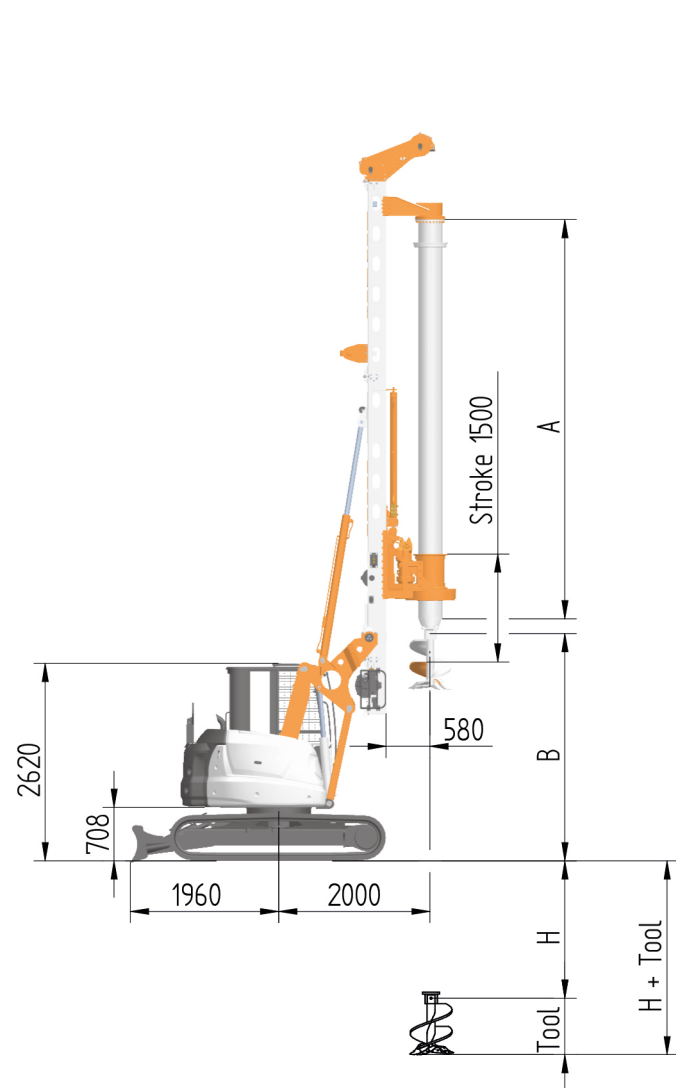
VERSIONE CON MARTINETTO
PULL DOWN

CROWD RAM SYSTEM

CCMS

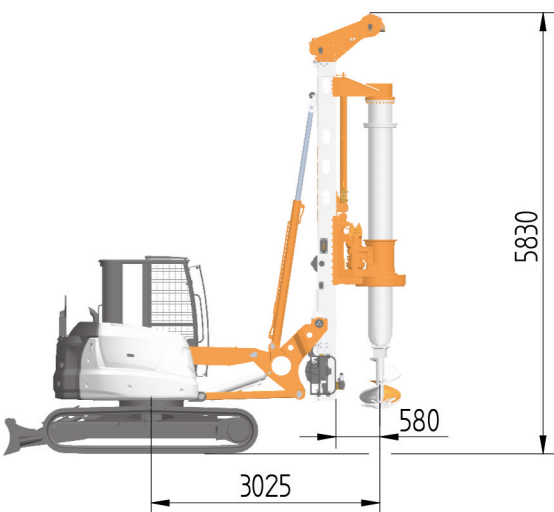
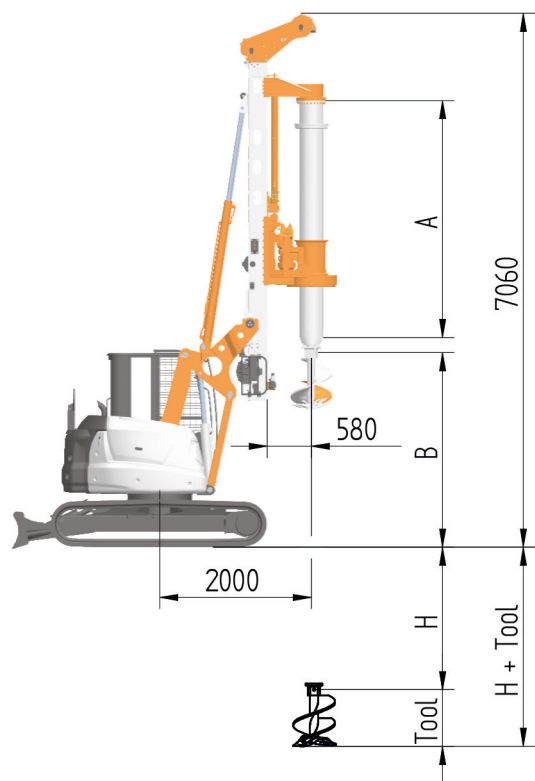
VERSIONE TIRO/SPINTA
CON MOTORIDUTTORE A CATENA

CROWD CHAIN MOTOR SYSTEM



LOW HEADROOM BORED PILING

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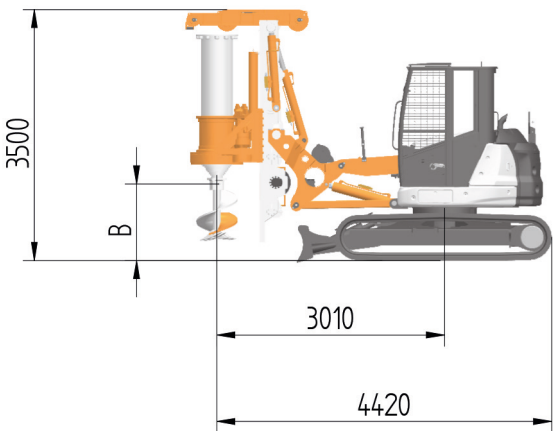
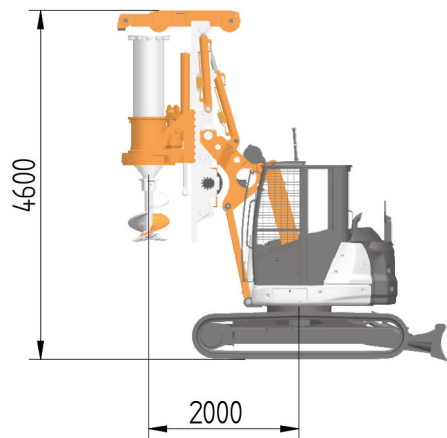


Pali ad altezza limitata

Diametro min	Min diameter	350 mm – 13,8 in
Diametro max fronte mast	Max diameter along mast	1100 mm – 43,3 in
Profondità max	Max depth	15 m – 49,2 ft

Low Headroom bored piling

SUPER LOW HEADROOM BORED PILING



Pali ad altezza super limitata

Diametro min	Min diameter	350 mm – 13,8 in
Diametro max fronte mast	Max diameter along mast	1100 mm – 43,3 in
Profondità max	Max depth	10 m – 32,8 ft

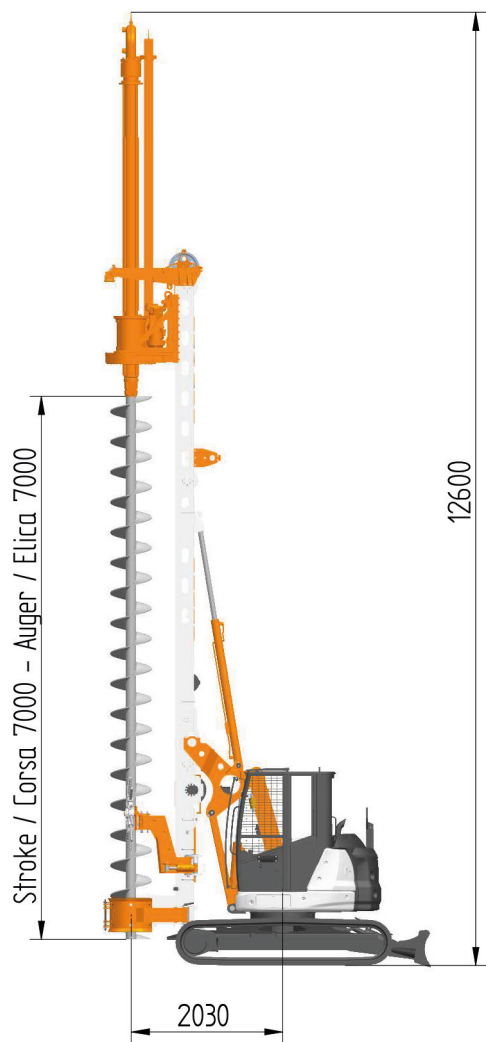
Super low Headroom bored piling



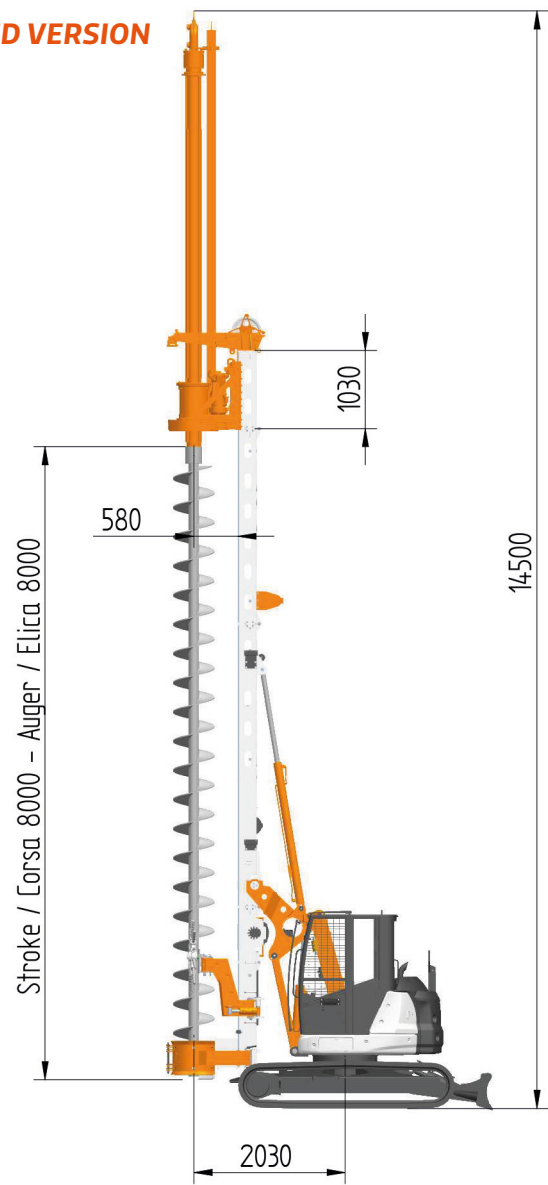
VERSIONE PER PALI CFA CFA BORED PILING

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VERSIONE STANDARD STANDARD VERSION



VERSIONE ALLUNGATA EXTENDED VERSION

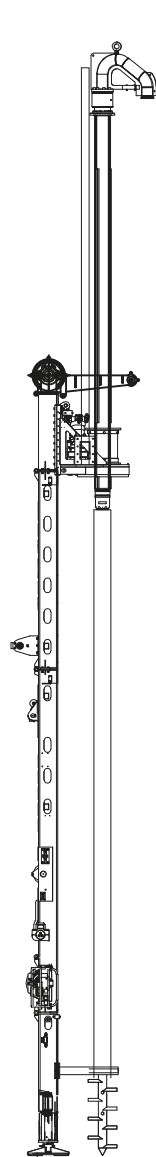


Pali CFA	CFA bored piling	
Diametro min	Min diameter	300 mm – 11,8 in
Diametro max	Max diameter	600 mm – 23,6 in
Profondità max	Max depth	7 m – 23,0 ft
Profondità max con prolunga di 3m	Max depth with 3m auger extension	10 m – 32,8 ft
Forza di estrazione con tiro in II	Extraction force on 2nd layer pull	100 kN – 22480 lbs

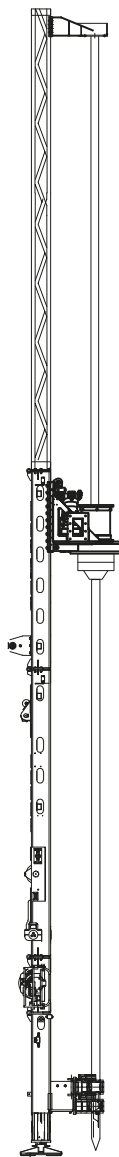
Pali CFA - allungata	CFA bored piling - extended	
Diametro min	Min diameter	300 mm – 11,8 in
Diametro max	Max diameter	600 mm – 23,6 in
Profondità max	Max depth	8 m – 26,2 ft
Profondità max con prolunga di 4m	Max depth with 4m auger extension	12 m – 39,3 ft
Forza di estrazione con tiro in III	Extraction force on 3rd layer pull	100 kN – 22480 lbs

CONFIGURAZIONI OPZIONALI
ADDITIONAL APPLICATIONS

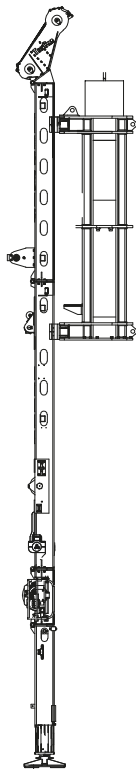
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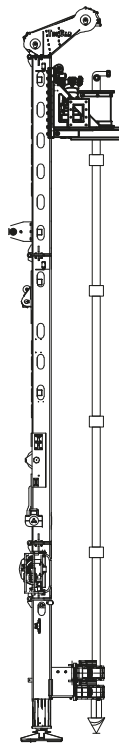
SOIL MIXING, Prof Max 8 + 4



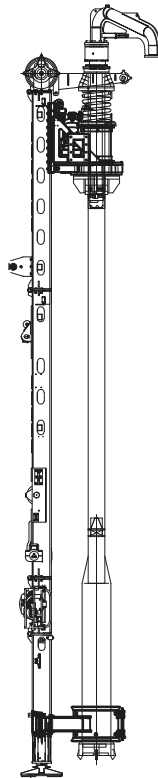
JET GROUTING, Prof Max 11Mt



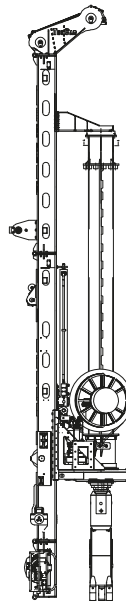
HAMMER TC, Corsa 5000mm



MICROPALI, Corsa Rotary 6000mm



DTH, Corsa 6000mm



PARATIE, Prof Max 12Mt

NOTE



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TONTI TRADING SRL

info@tontitrading.com
+39 071 9300027
www.tescar.com

Registered Office
via Marco Polo, 80
Osimo (AN), Italy

Operating Office
via Flaminia II, 16
Osimo (AN), Italy



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