

CF8 PLUS

COMPACT ROTARY RIG



**Innovative
features**

**Compact
dimensions**

**Multipurpose
drilling modes**

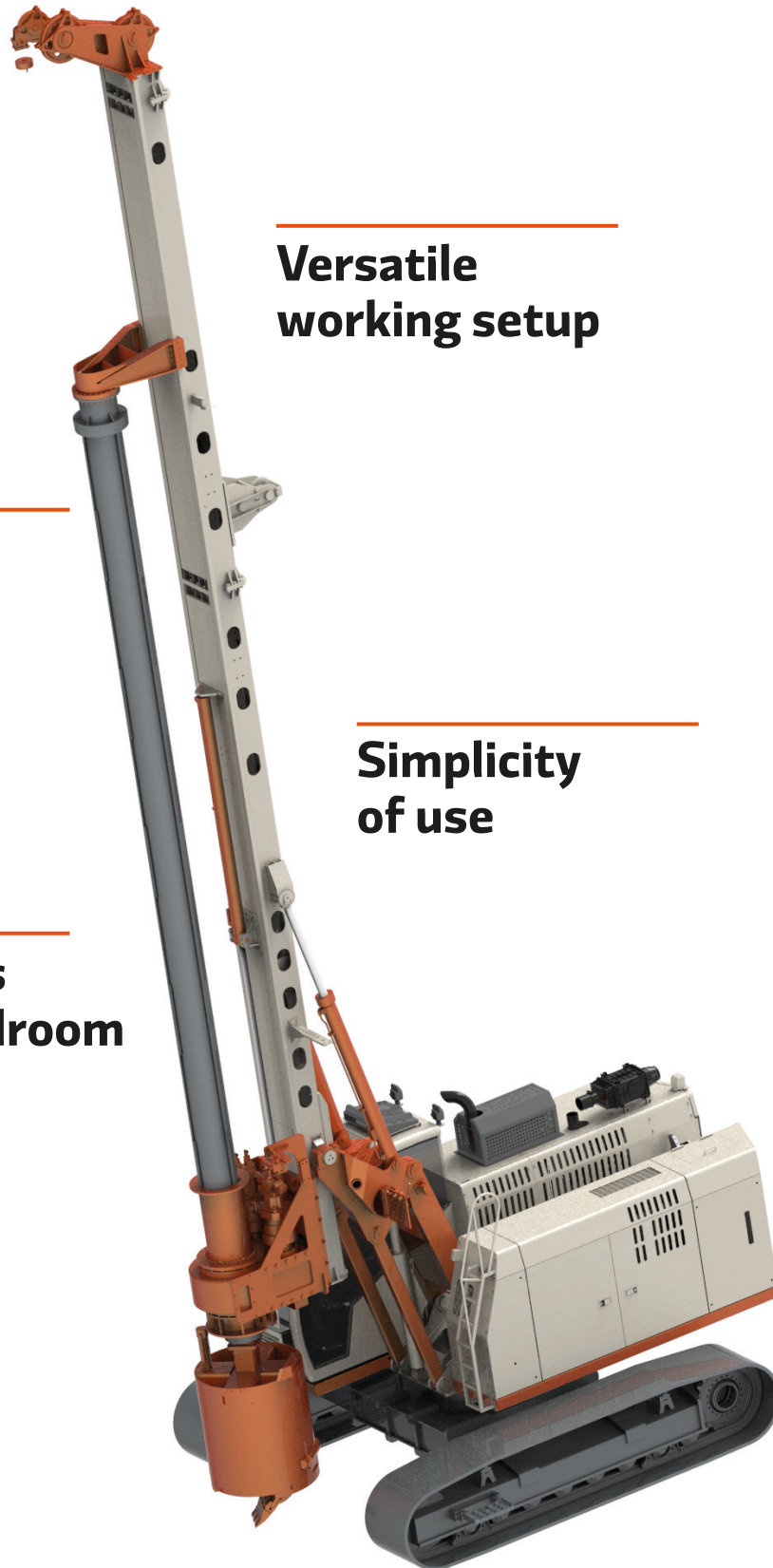
**Versatile
working setup**

**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**

CF8 PLUS

Rotary idraulica

Coppia max nominale	<i>Max nominal torque</i>	85 kNm – 62693 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>	100 kN – 22480 lbs
Velocità max	<i>Max line speed</i>	50 m/min – 164 ft/min
Diametro della fune	<i>Rope diameter</i>	20 mm – 0,78 in

Main winch

Argano Ausiliario

Tiro sul 1° strato	<i>Line pull on 1st layer</i>	35 kN – 7868 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

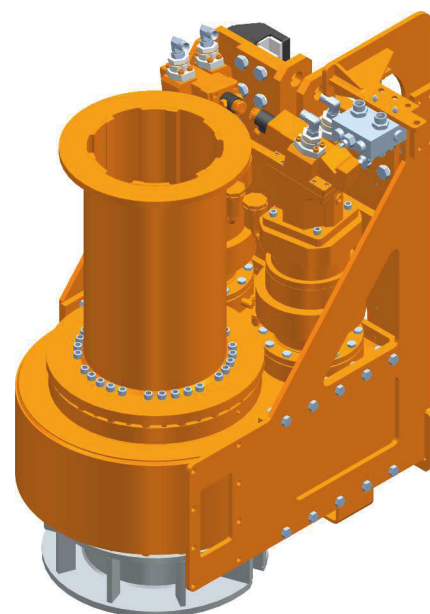
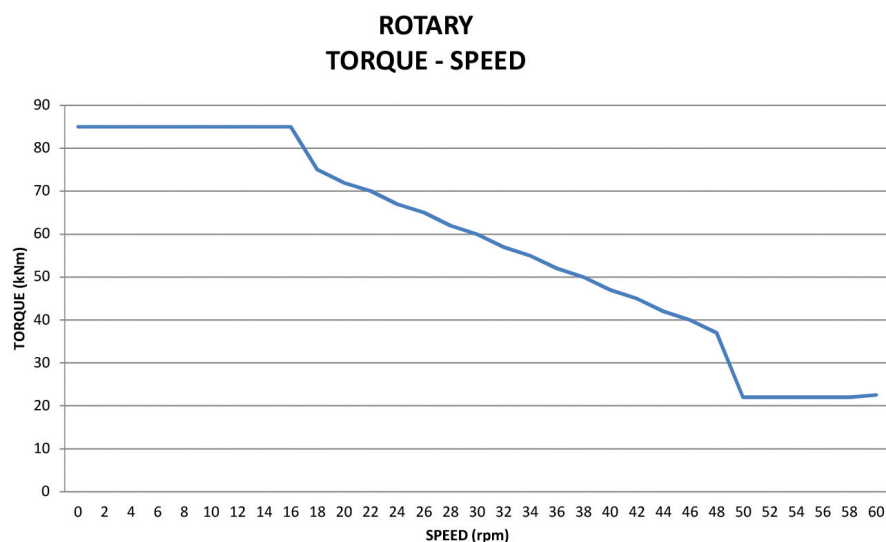
Forza di estrazione	<i>Extraction force</i>	150 kN – 33721 lbs
Forza di spinta	<i>Crowd force</i>	120 kN – 26976 lbs
Corsa	<i>Stroke</i>	2000 mm – 79 in

Crowd Ram System

Motoriduttore a catena

Forza di estrazione/spinta	<i>Extraction/crowd force</i>	120 kN – 26976 lbs
Corsa	<i>Stroke</i>	9000 mm – 354 in

Crowd Chain-Motor System



SCHEDA TECNICA — BASE CARRO

DATA SHEET — BASE CARRIER

BT2

Carro base

Tipo	Type	TES CAR BT2
Motore diesel	Diesel engine	Cummins QSB4.5 TAA
Normativa emissioni	Exhaust emission standard	EU Stage IV – US EPA Tier4
Potenza a 2300 rpm	Rated power @ 2300 rpm	119 kW – 160 HP
Capacità serbatoio carburante	Fuel tank capacity	200 l – 53 gal
Livello di pressione sonora in cabina	Sound pressure level in cabin	80 dB(A)
Livello di potenza sonora	Sound power level	110 dB(A)

Base Carrier

Impianto idraulico

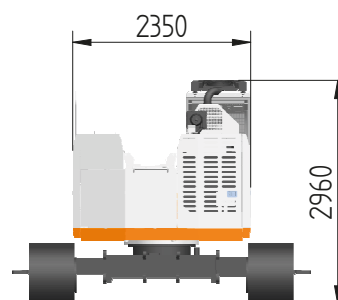
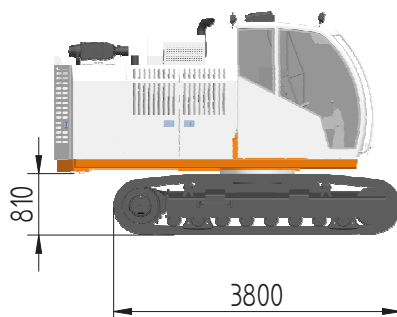
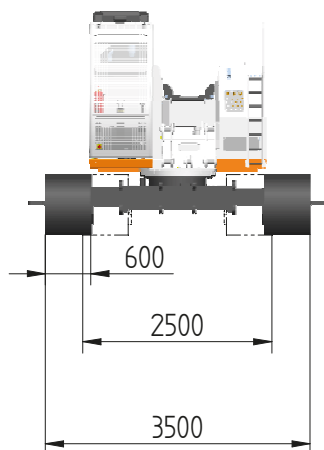
Portata pompe principali	Main pumps flow rate	2x 184 l/min – 2x 48,8 gpm
Portata pompa secondaria	Auxiliary pump flow rate	78 l/min – 20,6 gpm
Pressione di lavoro	Working hydraulic pressure	280 bar – 4061 psi
Massima pressione	Max hydraulic pressure	320 bar – 4641 psi
Capacità serbatoio olio idraulico	Hydraulic oil tank capacity	270,0 l – 71,3 gal

Hydraulic System

Sottocarro

Larghezza con cingoli chiusi	Width with retracted tracks	2500 mm – 98,4 in
Larghezza con cingoli aperti	Width with extended tracks	3500 mm – 137,8 in
Lunghezza cingoli	Overall tracks length	3800 mm – 149,6 in
Larghezza pattini a tre barre	Width of triple grouser track shoes	600 mm – 23,6 in
Velocità di traslazione	Travel speed	1,26 Km/h – 0,8 mph
Forza di trazione	Traction force	130 kN – 29225 lbs

Undercarriage



MODALITÀ DI TRASPORTO

TRANSPORT MODE

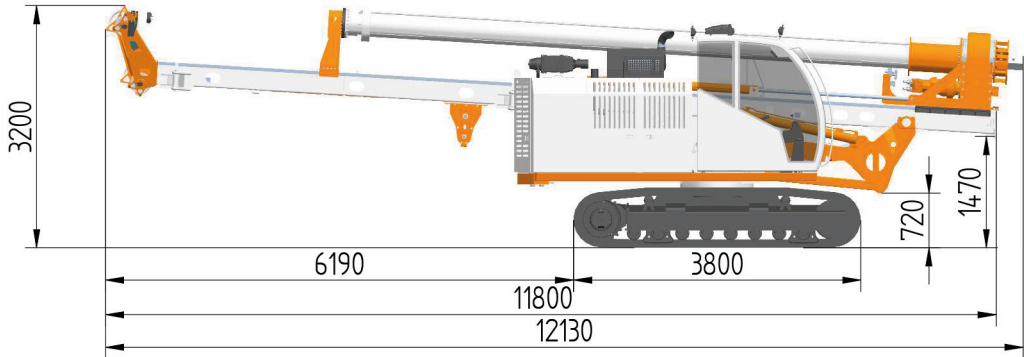
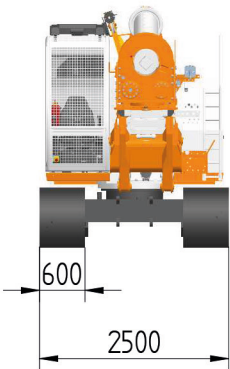
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Dimensioni per il trasporto

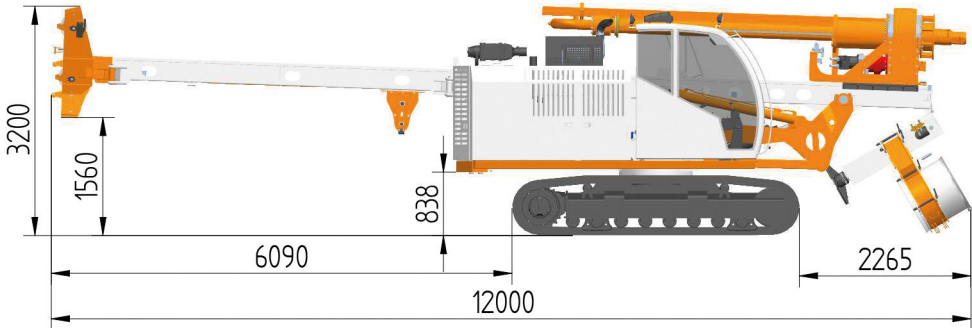
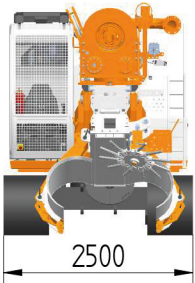
Altezza	Height	3200 mm – 10,5 ft
Lunghezza	Length	11800 mm – 38,7 ft
Lunghezza con falchetto ribaltato	Length with folded cathead	10900 mm – 35,8 ft
Larghezza	Width	2500 mm – 8,2 ft
Peso (con Kelly Bar da 35m)	Weight (with 35m kelly bar)	23500 kg – 51809 lbs
Peso (in versione CFA)	Weight (in CFA mode)	21500 kg – 47399 lbs

Transport dimensions

VERSIONE PALI KELLY BAR / KELLY BAR PILING MODE



VERSIONE PALI CFA / CFA PILING MODE



EQUIPAGGIAMENTO STANDARD STANDARD EQUIPEMENT

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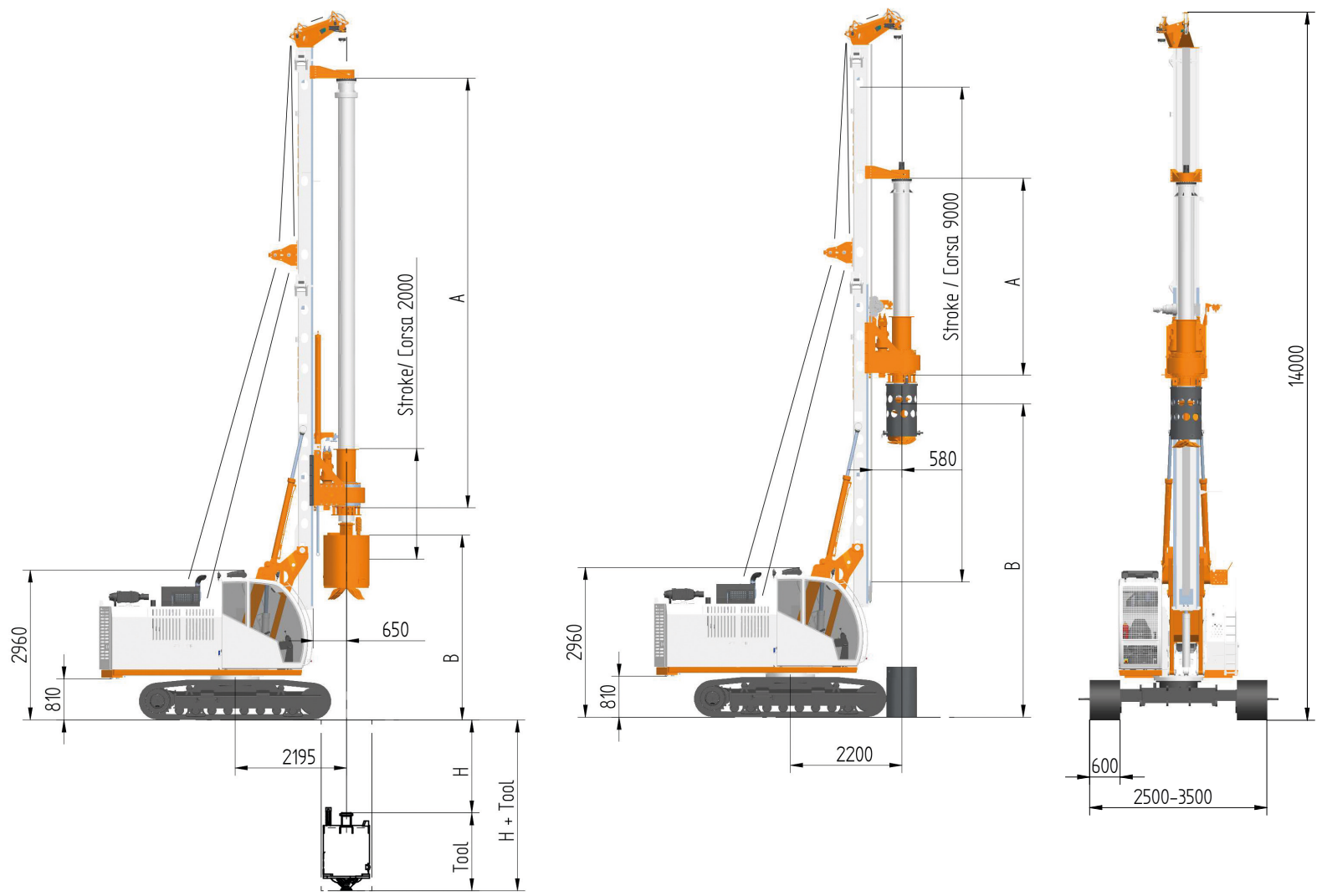
Motore diesel conforme alle norme EU Stage IV / US EPA Tier 4	<i>EU Stage IV / US EPA Tier 4 compliant diesel engine</i>
Profondimetro elettronico con display digitale	<i>Depth measurement device with onboard screen</i>
Controllo automatico della cilindrata dei motori rotary	<i>Automatic control of rotary 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

Sottocarro rinforzato L 4120mm / 13,5 ft con cingoli allargabili	<i>HD undercarriage L 4120mm / 13,5 ft with expanding tracks</i>
Motore diesel conforme alle norme EU Stage IIIA / US EPA Tier 3	<i>EU Stage IIIA - US EPA Tier 3 compliant diesel engine</i>
Videocamere laterali DX - SX e sugli argani	<i>Video unit with 3 additional cameras (RX - LX sides and winches)</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>
Predisposizione idraulica per morsa giracolonna dia max 900mm / 35,4 in	<i>Hydraulic plant setting for casing oscillator up to 900mm / 35,4 in dia</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 - 20 kN / 4496 lbs	<i>Additional crowd winch for CFA - 20 kN / 4496 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 BARS
 KELLY BARS TECHNICAL DETAILS

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	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 5 Elementi	5 x 3,1*	12 – 39,37	1,3			1**	
	5 x 4,1	14 – 45,9	1,5	4	3,5**		8
	5 x 5,1	19 – 62,3	1,8	4	2,5**		7
	5 x 6,1	24 – 78,7	2	4			6
	5 x 7,1	29 – 95,1	2,4	4			5
	5 x 8,1	34 – 111,5	2,8	4			4
BL 4 Elementi HD	4 x 5	14,5 – 47,5	2	4			7,1
	4 x 8	26 – 85,3	2,6	4			4,1

*Solo con Configurazione Super LH
 ** Utilizzabile solo con eliche
 ***Pantografo Basso

VERSIONE PER PALI
KELLY BAR BORED PILING

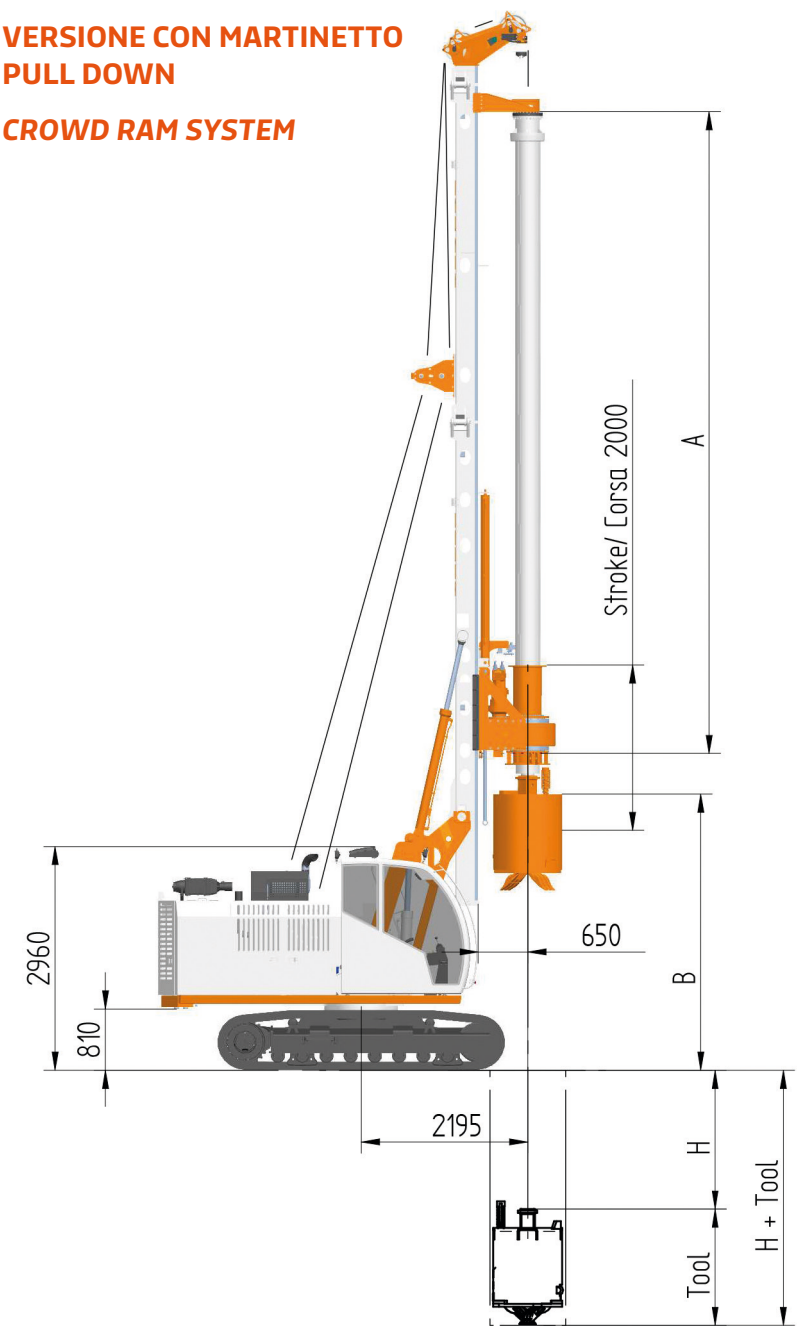
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Pali	Kelly bar bored piling	
Diametro min	Min diameter	350 mm – 13,8 in
Diametro max fronte mast	Max diameter along mast	1300 mm – 51,2 in
Diametro max sotto mast	Max diameter below mast	2500 mm – 98,4 in
Diametro max con tubi forma	Max diameter with casing pipes	1000 mm – 39,4 in
Profondità max	Max depth	35 m – 114,8 ft

CRS

VERSIONE CON MARTINETTO
PULL DOWN

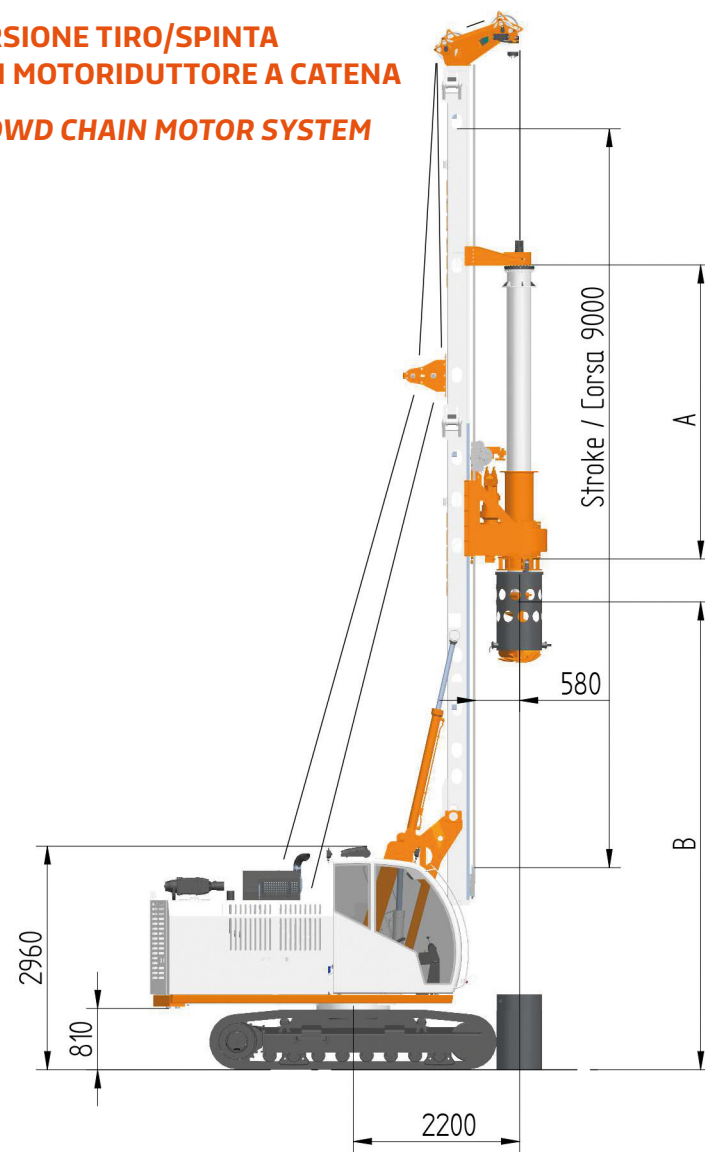
CROWD RAM SYSTEM



CCMS

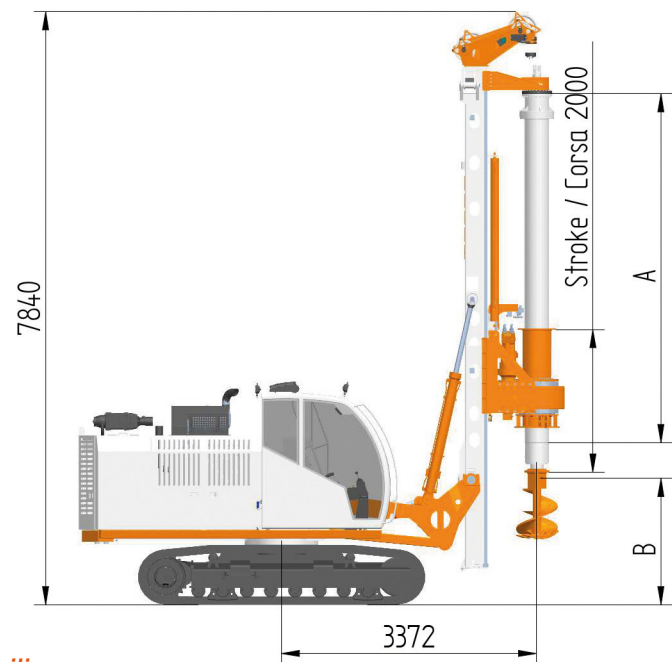
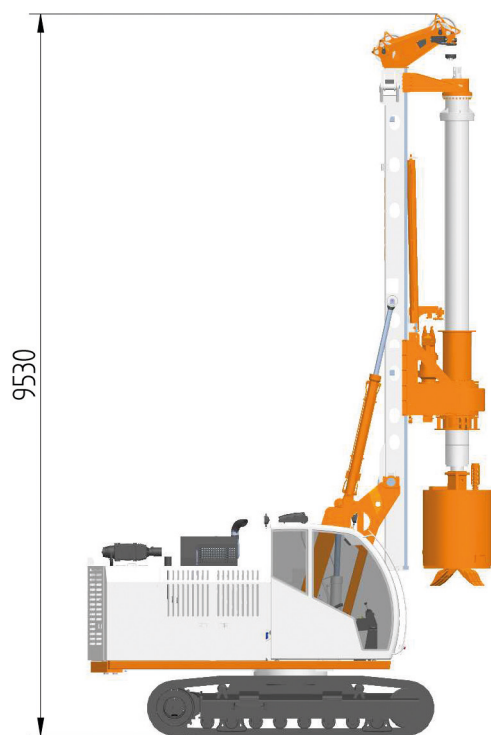
VERSIONE TIRO/SPINTA
CON MOTORIDUTTORE A CATENA

CROWD CHAIN MOTOR SYSTEM



LOW HEADROOM BORED PILING

CF8 PLUS

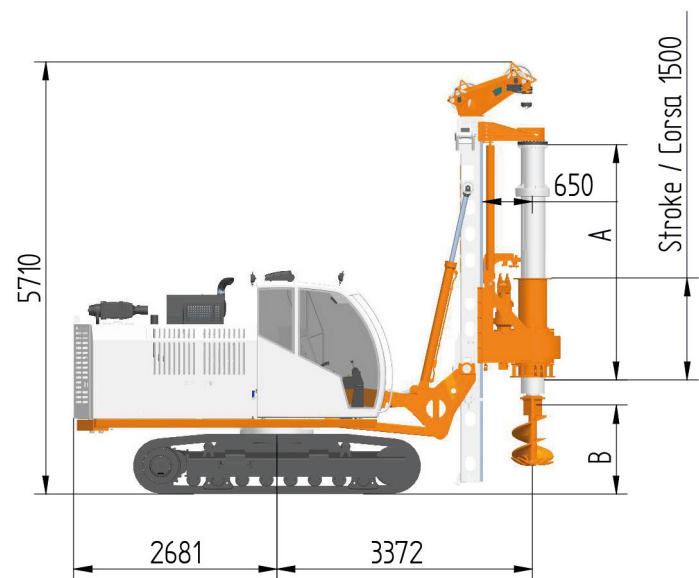
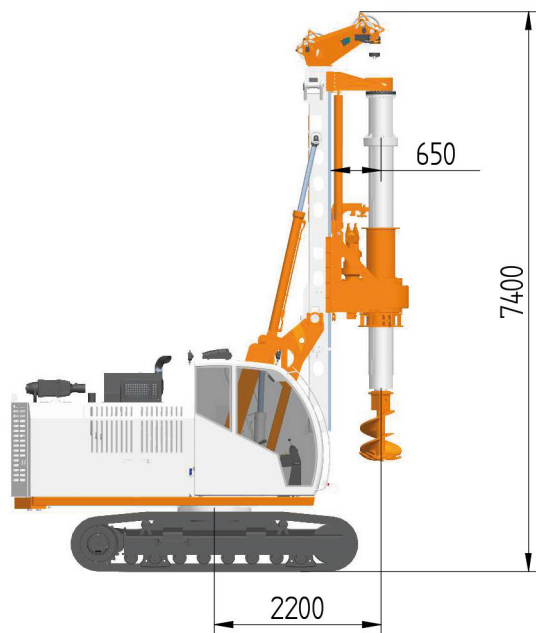


Pali ad altezza limitata

Low Headroom bored piling

Altezza di lavoro con pantografo alto	Working height with parallelogram up	9350 mm – 30,7 ft
Altezza di lavoro con pantografo basso	Working height with parallelogram down	7840 mm – 25,7 ft
Profondità max	Max depth	16 m – 52,5 ft

SUPER LOW HEADROOM BORED PILING



Pali ad altezza super limitata

Super low Headroom bored piling

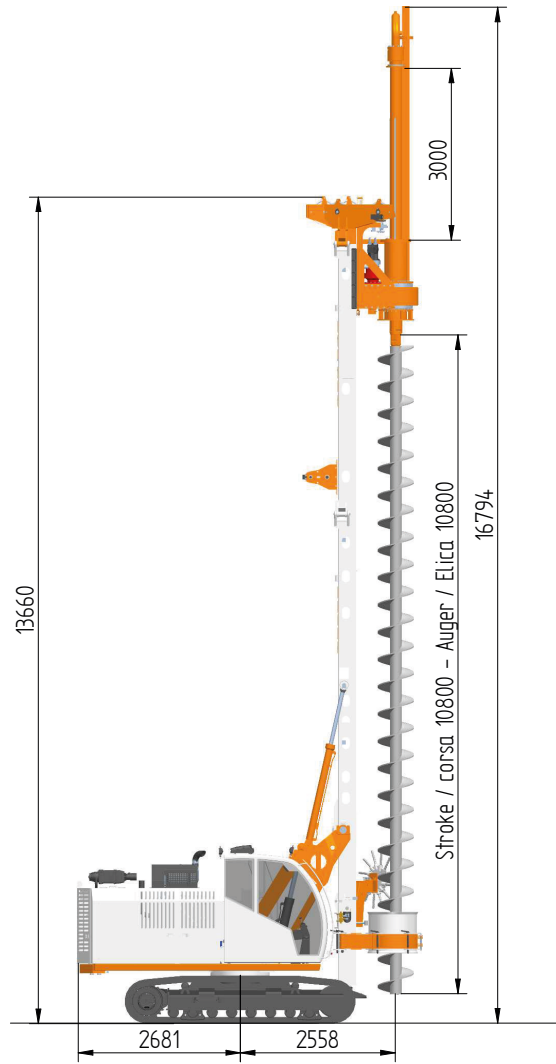
Altezza di lavoro con pantografo alto	Working height with parallelogram up	7400 mm – 24,2 ft
Altezza di lavoro con pantografo basso	Working height with parallelogram down	5710 mm – 18,7 ft
Profondità max	Max depth	13 m – 42,6 ft



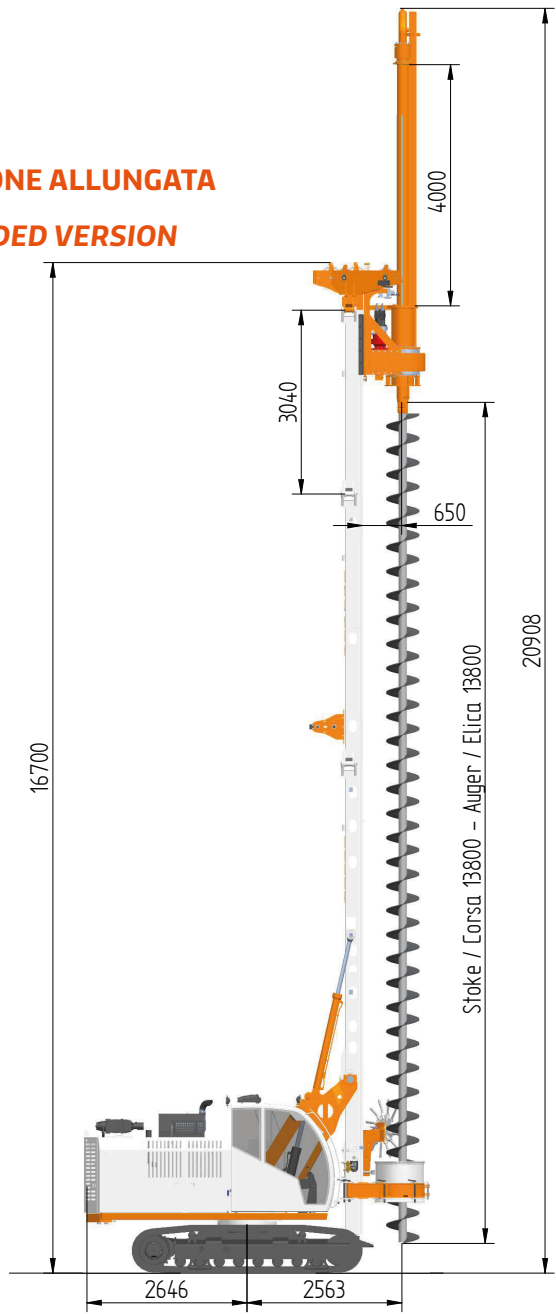
VERSIONE PER PALI CFA
CFA BORED PILING

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VERSIONE STANDARD
STANDARD VERSION



VERSIONE ALLUNGATA
EXTENDED VERSION

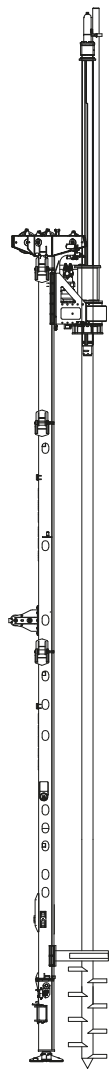


Pali CFA	CFA bored piling	
Diametro min	Min diameter	300 mm – 11,8 in
Diametro max	Max diameter	800 mm – 31,5 in
Profondità max	Max depth	10 m – 32,8 ft
Profondità max con prolunga di 3m	Max depth with 3m auger extension	13 m – 42,6 ft
Forza di estrazione con tiro in II	Extraction force on 2nd layer pull	200 kN – 44961 lbs

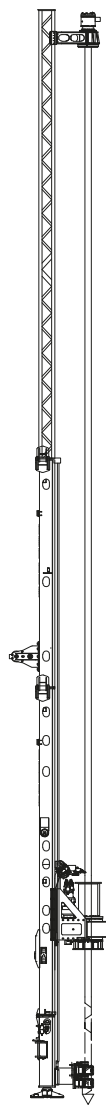
Pali CFA - allungata	CFA bored piling - extended	
Diametro min	Min diameter	300 mm – 11,8 in
Diametro max	Max diameter	800 mm – 31,5 in
Profondità max	Max depth	13 m – 42,6 ft
Profondità max con prolunga di 4m	Max depth with 4m auger extension	17 m – 55,8 ft
Forza di estrazione con tiro in III	Extraction force on 3rd layer pull	300 kN – 66442 lbs

**CONFIGURAZIONI OPZIONALI
ADDITIONAL APPLICATIONS**

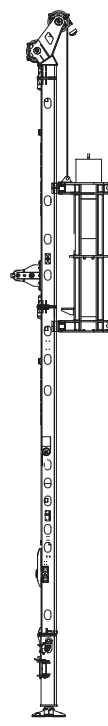
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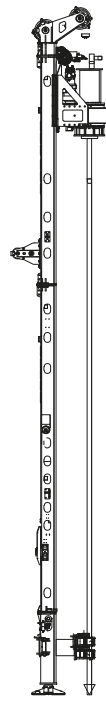
SOIL MIXING, Prof Max 17mT



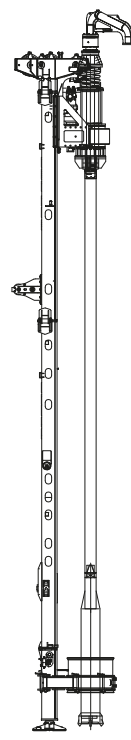
JET GROUTING, Prof Max 18mT



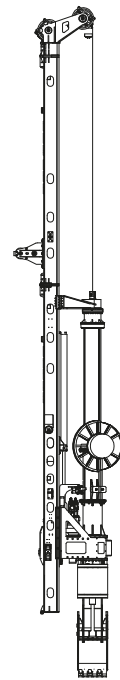
DRIVEN PILES, Corsa 7500mm



MICROPILING, Corsa Rotary 9500mm

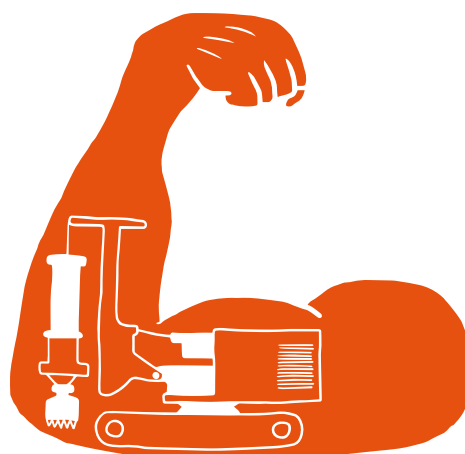


DTH, Corsa 9000mm



DIAPHRAGM WALLS, Max 20mT

NOTE



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