

S100R12

S100



**Rotary
Idraulica
per Pali**

**Hydraulic
Piling
Rig**

SoilTek

Gli Escavatori Idraulici per l'esecuzione dei **Pali di Fondazione**, sono interamente progettati dalla **SOILTEK**, composti da una unità base su cingoli e da un gruppo di perforazione, per lavorare con
-l'asta telescopica a frizione
-l'asta telescopica a bloccaggio

Inoltre, possono essere trasformati in versione **CFA**

Le caratteristiche fondamentali sono:

Attrezzature,

- Completamente idrauliche, utilizzando al minimo la componentistica elettrica
- Automontati, non richiedono l'ausilio di gru per la messa in funzione (versione Pali trivellati)

Complete di, **Cingoli allargabili**, per facilitare il trasporto e dare stabilità in fase di lavoro,

Parallelogramma,

che permette lo spostamento dell'antenna senza perdere la verticalità,

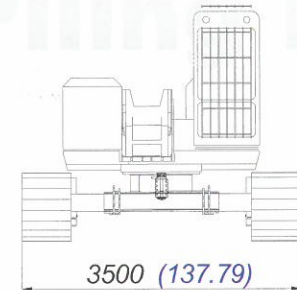
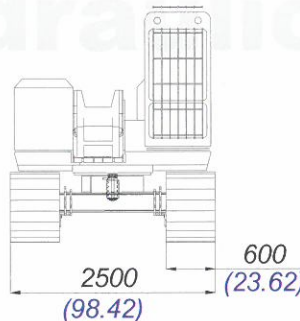
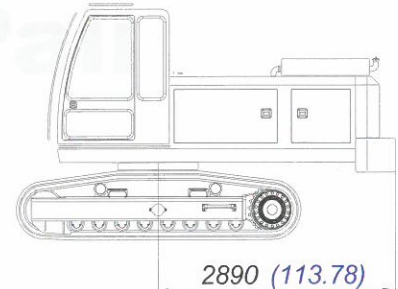
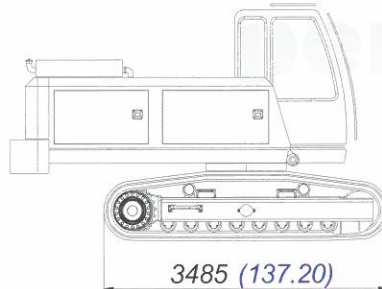
Mast di perforazione modulare,

realizzati in 2 elementi utilizzando materiali ad alta resistenza,

Rotary idrauliche

con giri e coppie variabili.

KELLY-BAR		mm (inch)
Interlocking type		
el. ti	lunghezza	profondità
el. ts	length	depth
5	6,50 (21.63)	29,50 (96.78)
5	7,00 (22.96)	32,00 (104.98)
4	7,50 (24.60)	27,50 (90.22)
4	8,00 (26.24)	29,50 (96.78)



The **Hydraulic Piling Rigs** are designed and manufactured by **SOIL TEK** and comprise of a base unit and drilling equipment mounted on a crawler undercarriage.

The rig can utilise either a **friction** or an **interlocking kelly bar**.

The rig may also be converted to a **CFA** version

The main features are:

Drilling rig,

- All hydraulic machine, using a minimum of electrical components.
- Self-erecting rig, Kelly-bar transportable between sites without removal of kelly bar. (Bored Piling version)

Complete with, **Expandable undercarriage** for ease of transport and to provide stability in working mode, **Parallelogram system**, allowing working radius adjustment whilst maintaining the mast in a vertical position, **Modular drilling mast**, made in 2 sections using high strength material, **Hydraulic rotary**, with variable torque and speeds.

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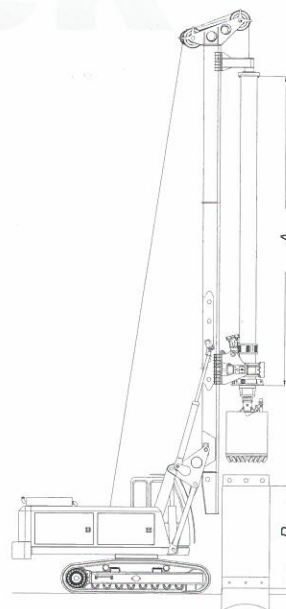
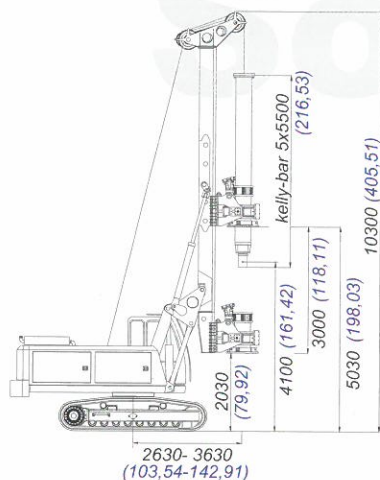
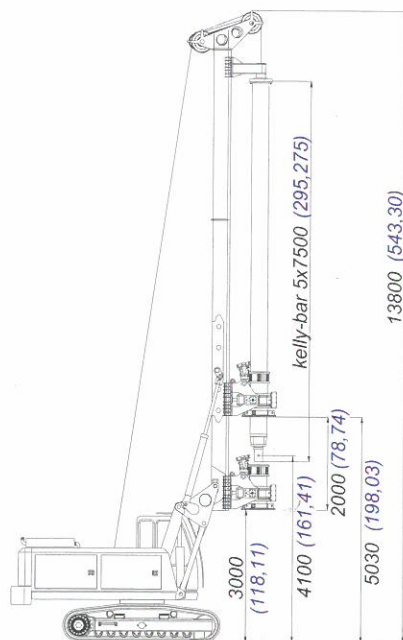
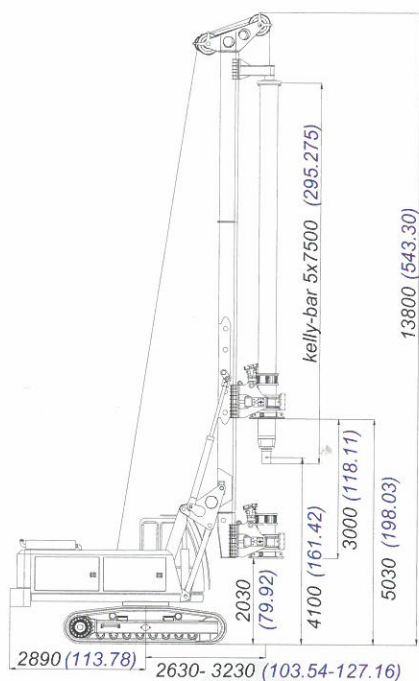
Escavatore base		Base Excavator		SOIL TEK	
Costruttore	Rotazione torretta	Manufacturer	Swing speed	rpm 2,6	
Motore diesel		Engine diesel			
Motore diesel	Potenza	Diesel engine	Power	Type	PERKINS
				Hp-Kw	175-129
Argano principale		Main Winch			
Tiro nominale	Fune	Nominal line-pull	Rope	kN (lbf)	PERKINS
				dia/mm (in)	175-129
Capacità fune	1° strato	Capacity	first layer	m (ft)	102 (22,930)
Velocità fune max	Autorilascio	Max line speed	Hydraulic release	mt/1 (ft/1)	20 (0.787)
				incluso	30 (98)
				included	60 (196)
					incluso
					included
Argano ausiliario		Auxiliary Winch			
Tiro nominale	Fune	Nominal line pull	Rope	kN (lbf)	45 (10,116)
				dia/mm (in)	14 (0.55)
Capacità fune		Capacity rope		m (ft)	35 (114)
Velocità fune		Max line speed		mt/1 (ft/1)	40 (131)

S100 & S100R12

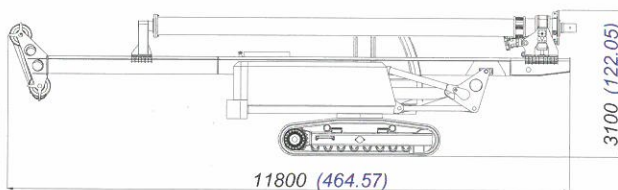
Versione Pali

Rotary version

(inch) dimensions



Dimensioni di trasporto
Transport dimensions



Diametri	Pile diameter	mm	(in)	400 (15.75) - 1200 (47.25)
Profondità max	Max depth pile	m		24,50 29,50 32,00 34,50 37,50
		(ft)		(80.38) (96.78) (104.98) (113.88) (123)
Pacco aste	Kelly-bar	n/mm A		5x5500 5x6500 5x7000 5x7500 5x8000
		(in)		(216.53) (255.90) (275.59) (295.27) (314.96)
Tubo colonna	Casings	mm B		3000 2500 2000
		(in)		(118.11) * (98.42) (78.74)

Dati tecnici

Technical data

Pull-Down

Tiro max	Max line pull	kN	(lbf)
Spinta max	Max crowd	kN	(lbf)
Corsa	Stroke	mm	(in)

Rotary

Coppia nominale	Nominal torque	kNm	(lbf-ft)
Velocità max	Max drilling speed	rpm	
Velocità di scarico	Discharge speed	rpm	

Peso	Weight	T	(lb)
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* Rotary corsa / stroke mm 3500

** su richiesta on request

S100

90 (20,232)
60 (13,488)
3000 (118.11)

RT100

94,00 (69,330)
36
70

RT100S **

99,00 (73,018)
31
160

23,7 (52,249)

S100R12

90 (20,232)
60 (13,488)
3000 (118.11)

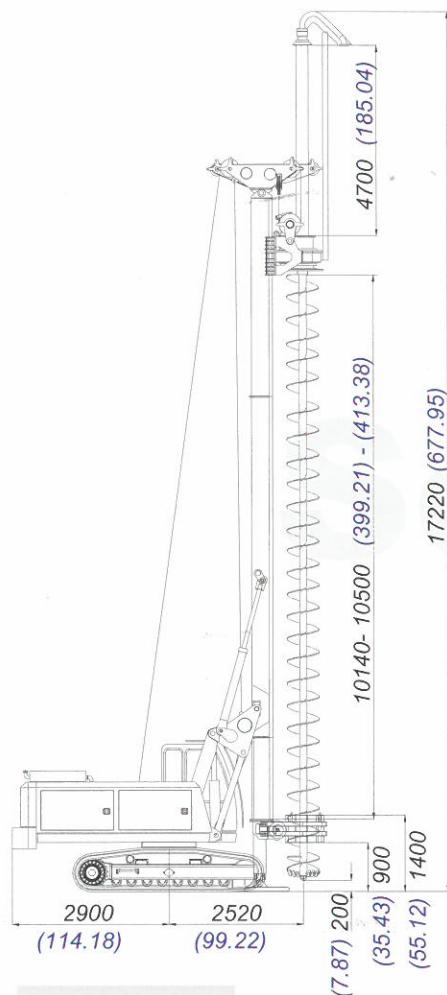
RT120

118,00 (87,032)
36
60

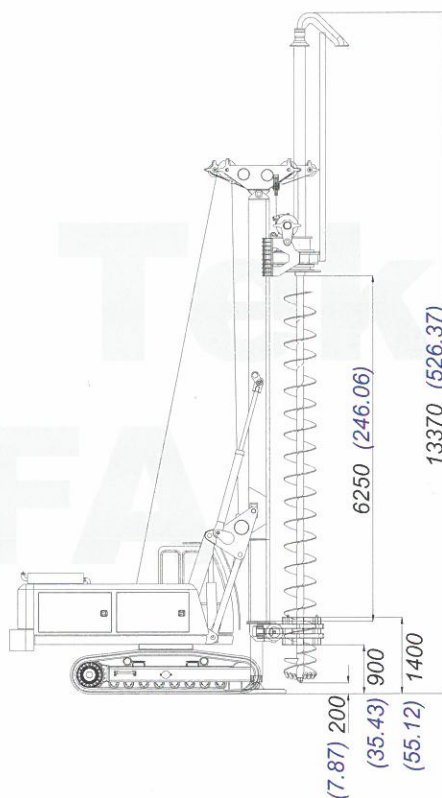
RT100S**

99,00 (73,018)
36
140

24,4 (53,793)

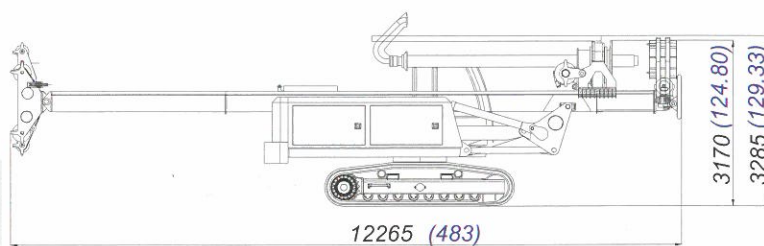


Standard base



Option available

Dimensioni di trasporto
Transport dimensions



Dati tecnici

Technical data

Diametri	Pile diameter	mm	(in)		
Profondità max	Max depth pile	m	(ft)	with Pull-down	300 - 600 (11.81-23.62)
		m	(ft)	without Pull-down	14,50 (47.57)
Prolunga elica	Auger extension	mm	(in)		15,00 (49.21)
Passaggio interno	Inner passage	inch			4700 (185.04)
					4"

Argano principale

Main Winch

Tiro nominale in 4a	Nominal I-pull 4part line	kN	(lbf)		
Velocità fune max	Max line speed	mt/1	(ft/1)		
				280	(62,946)
				0 - 9	(29.53)

Rotary

		kNm	(lbf-ft)	RT100	RT120
Coppia nominale	Nominal torque			94,00 (69,330)	118,00 (87,032)
Velocità max	Max drilling speed	rpm		10 - 36	8 - 36

Peso	Weight	T	(lb)	24 (52,910)
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OPTIONAL

Pull-down winch	Spinta / Pull-down	KN	(lbf)	20 (4,496)
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S100

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