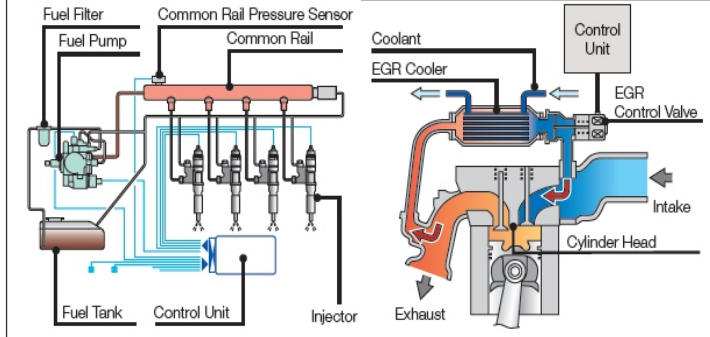


CF 2.5 SERIES



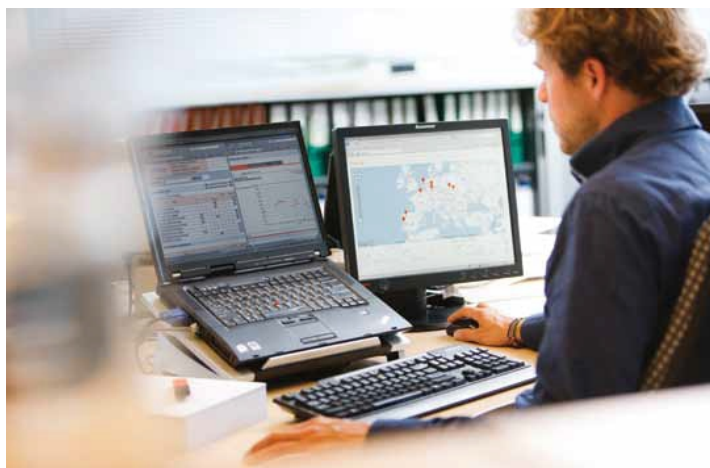
High Performances with Less Fuel Consumption

The new performant hydraulic plants give more power to increase the productivity. The LOAD SENSING VALVE permits to feed the movements which are activated, adapting instantly to the oil flow, allowing a consumption reduction. The oil and filters change intervals have been extended, reducing maintenance time and expenses. The engine control unit drives the fuel pump at an ultrahigh pressure to inject the fuel into the cylinders through a common rail device. The cooler EGR system mixes exhaust gasses with intake air for a re-combustion, lowering combustion temperature and reducing fuel consumption. The new engines comply with the US norms TIER 4 and the EU Euro 4.



Worldwide Service

Our technical support service provides quick access to factory expertise, while our commercial team is always on hand to provide fast and competitive quotes. Our service network covers over 25 countries all over the world.



Easy Maintenance

Routine maintenance is essential for keeping unscheduled downtime to an absolute minimum and ensuring the overall reliability of your machine, but it can be difficult finding the time to carry out regular checks on busy construction sites. The new bases has been designed with time-saving, conveniently accessible features that will make it easy for you to perform routine service and cleaning procedures, so you can get the machine back to work as quickly as possible.



Comfortably in control

The new cabs provided with air conditioning, radio-CD player, multifunction LCD monitor and an absorbing and eating seat, guarantee a comfortable position and ensures an excellent view of the working area. Through the multifunction monitor (optional) the operator can check all the machine parameters and can start the rear view by a camera. The cabs are also protected by new system Center Pillar Reinforced Structure. Our machines are provided with an electronic device which measures the drilling depth and can be equipped also with the mast automatic alignment device which improves the verticality of the pile.





TES CAR

MGI PILING
02 9625 0160

TES CAR CF 2.5



Base	Base				
Mini escavatore	Mini excavator	5	t	11.100	lbs
Motore Diesel	Diesel engine	29,0	kW	40	Hp
Capacità serbatoio carburante	Fuel tank capacity	70,0	l	18,5	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	42,0	l	11,1	gal

Sottocarro	Undercarriage				
Larghezza cingoli	Track width	1980	mm	6,5	ft
Lunghezza cingoli	Track length	2490	mm	8,2	ft
Larghezza pattini	Shoe width	400	mm	15,7	in
Velocità di traslazione max.	Max. travel speed	4,2	Km/h	2,6	mph
Velocità di rotazione torretta	Swing speed	9	rpm	9	rpm

Pompe idrauliche	Hydraulic pumps				
Pompa principale	Main pump flow	120	l/min	31,7	gpm
Pompa secondaria	Auxiliary pump flow	12	l/min	3,2	gpm
Massima pressione di lavoro	Max working pressure	26	MPa	3.771	psi

Argani idraulici	Hydraulic winches				
Argano principale	Main winch line pull	2700	daN	6.070	lbs
Argano di servizio	Service winch line pull	900	daN	2.023	lbs

Testa di rotazione idraulica	Hydraulic rotary head				
Coppia	Torque	2500	daNm	18.439	ft lbs
Velocità di perforazione	Rotation speeds		15 - 30 - 60 rpm		
Velocità di scarico	Spin-off speed		60 rpm		
Corsa	Stroke	700	mm	27,6	in
Tiro massimo pull-down	Max. extraction force	6400	daN	14.388	lbs
Spinta massima pull-down	Max. crowd force	9500	daN	21.357	lbs

Dimensioni di perforazione	Drilling dimensions				
Diametro massimo	Max. diameter	800	mm	31,5	in
Diametro minimo (*)	Min. diameter (*)	400	mm	15,7	in
Profondità massima	Max. Depth	15	m	49,2	ft

Dimensioni per il trasporto	Transport dimensions				
Altezza	Height	2900	mm	9,5	ft
Lunghezza	Length	4532	mm	14,9	ft
Larghezza	Width	2000	mm	6,6	ft
Peso (con asta 15m)	Weight (with 15 m kelly bar)	7500	kg	16.535	lbs

Sistemi di sicurezza	Safety system				
Cicalino con macchina in	Travel Buzzer				
Estintore	Fire extinguisher				
Livella sulla torre	Spirit level on the mast				
Livella in cabina	Spirit level in the cab				
Arresto fine corsa	Stroke limit system				
Arresto motore esterno cabina	Cab safety lever				

(*) Ø300 mm bloccando il 1° tubo esterno

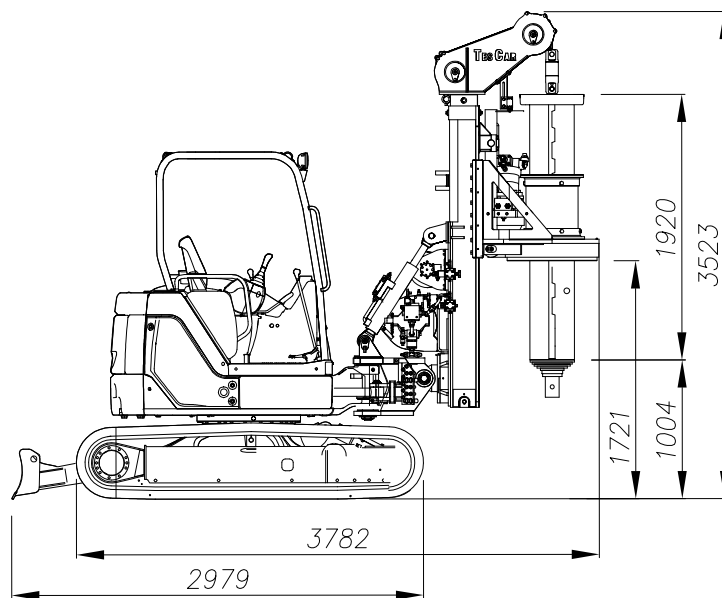
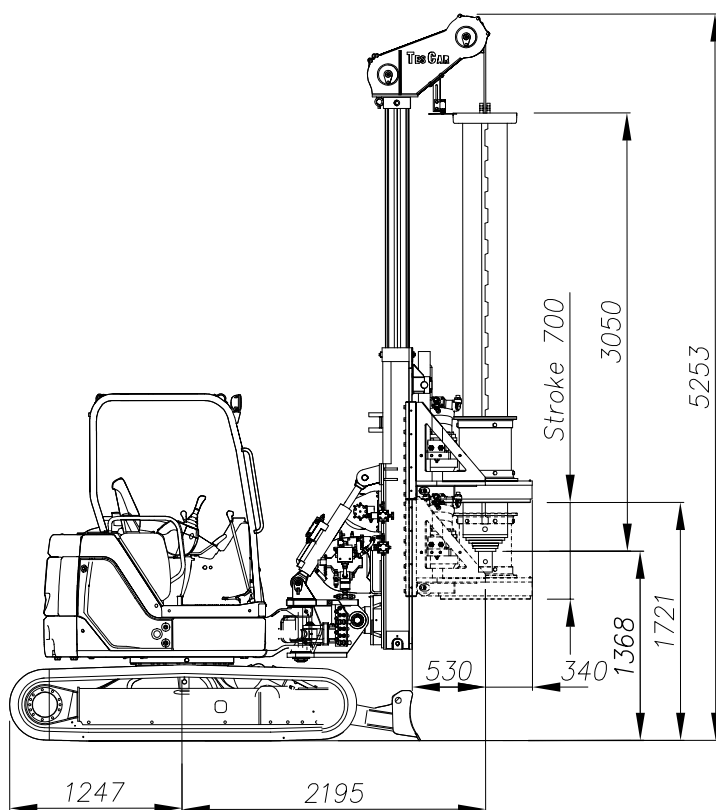
(*) Ø300 mm blocking the 1st outer bar

Optional					
Controslitta	Mast counterslide	1000	mm	39,4	in
Testa di rotazione Øi 419mm	Rotary head Øi419mm				
Kelly bar 11x1810mm, Øe419mm	Kelly bar 11x1810mm, Øe419mm	15	m	49,2	ft

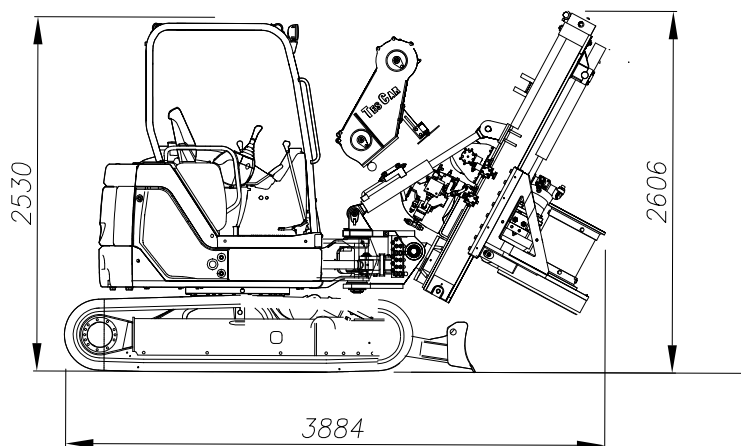
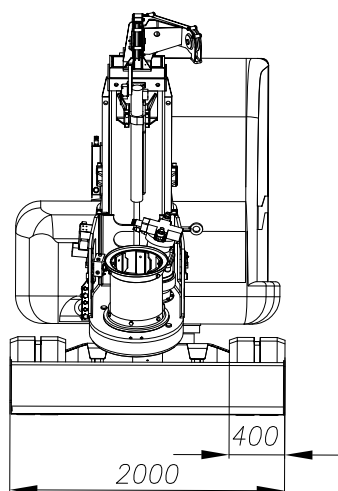
Aste a bloccaggio

Mechanical locking kelly bar

Elementi	Ø _e 1° tubo		Lunghezza (A)		Profondità		Altezza (H)	
Elements	Ø _e 1st tube		Length (A)		Depth		Height (H)	
	(mm)	(ft)	(mm)	(ft)	(m)	(ft)	(mm)	(ft)
6	323	1,06	3800	12,48	18	59,04	1520	5
6	323	1,06	3170	10,4	15	49,2	1900	6,2
7	323	1,06	2040	6,7	10	32,8	2256	7,4
11	419	1,38	1810	5,9	15	49,2	2005	6,6



Configurazione trasporto / Transport configuration



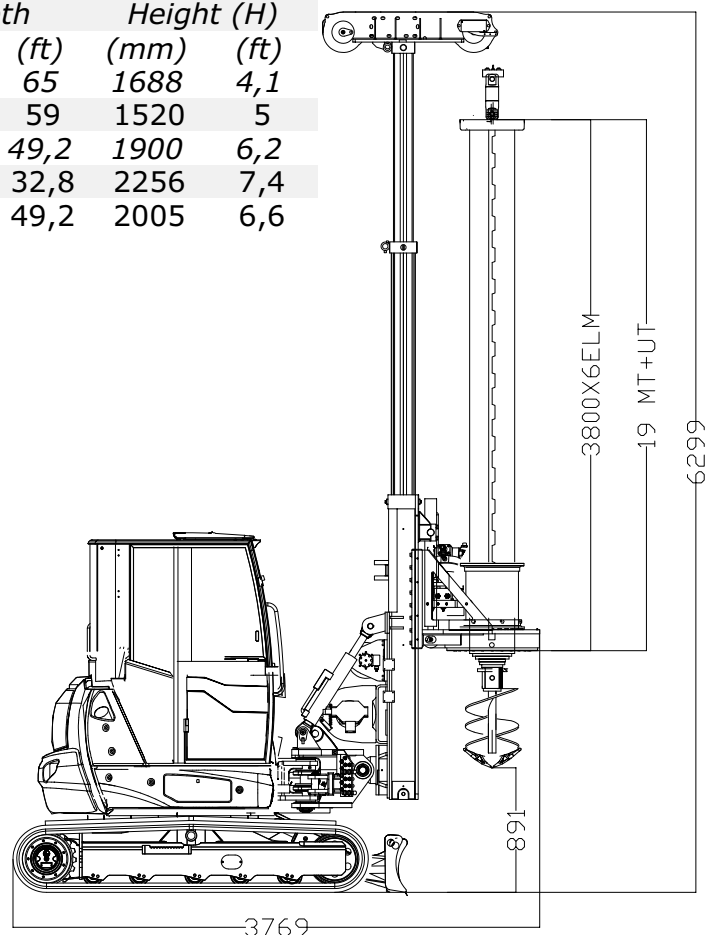
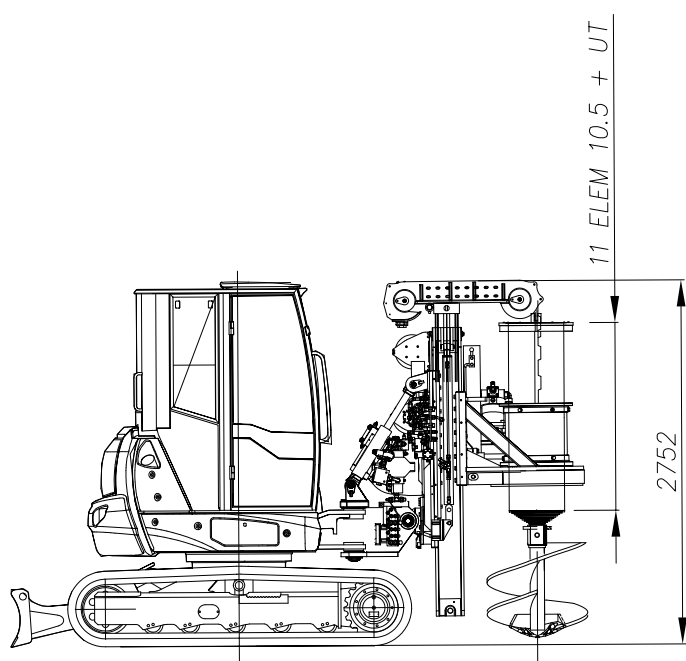
Base	Base				
Mini escavatore	Mini excavator	6	t	13.228	lbs
Motore Diesel Tier4 Final	Diesel engine Tier4 Final	50,0	kW	67	Hp
Capacità serbatoio carburante	Fuel tank capacity	120,0	l	31,7	gal
Capacità serbatoio olio	Hydraulic oil tank capacity	70,0	l	18,5	gal
Sottocarro allargabile	Expanding Undercarriage				
Lunghezza	Width	1920	mm	6,3	ft
Larghezza pattini	Shoe width	400	mm	15,7	in
Velocità di traslazione max.	Max. travel speed	4,2	Km/h	2,6	mph
Velocità di rotazione torretta	Swing speed	9	rpm	9	rpm
Pompe idrauliche	Hydraulic pumps				
Pompa principale	Main pump output	116	l/min	30,6	gpm
Pompa secondaria	Auxiliary pump output	38	l/min	10,0	gpm
Massima pressione di lavoro	Max working pressure	26	MPa	3.771	psi
Argani idraulici	Hydraulic winches				
Argano principale	Main winch line pull	2700	daN	6.070	lbs
Argano di servizio	Service winch line pull	900	daN	2.023	lbs
Testa di rotazione idraulica	Hydraulic rotary head				
Passaggio interno maggiorato	Spindle bore	419	mm	16,4	in
Coppia	Torque	3000	daNm	22.127	ft lbs
Velocità di perforazione	Rotation speed	15 - 30 - 60 rpm			
Velocità di scarico	Spin-off speed	60 rpm			
Corsa	Rotary head stroke	700	mm	27,6	in
Tiro massimo pull-down	Max. extraction force	6400	daN	14.388	lbs
Spinta massima pull-down	Max. crowd force	9500	daN	21.357	lbs
Corsa della controslitta	Counterlslide stroke	1000	mm	3,3	ft
Dimensioni di perforazione	Drilling dimensions				
Diametro massimo	Max. diameter	1000	mm	39,4	in
Diametro minimo (*)	Min. diameter (*)	450	mm	17,7	in
Profondità massima	Max. Depth	20	m	65,6	ft
Dimensioni per il trasporto	Transport dimensions				
Altezza	Height	2747	mm	9,0	ft
Lunghezza	Length	4428	mm	14,5	ft
Larghezza	Width	1850	mm	6,1	ft
Peso (con asta 15m)	Weight (with 15m kelly bar)	9500	kg	20.944	lbs
Sistemi di sicurezza	Safety system				
Estintore	Fire extinguisher				
Livella sulla torre	Spirit level on the mast				
Livella in cabina	Spirit level in the cab				
Arresto fine corsa	Stroke limit system				
Arresto motore esterno cabina	Cab safety lever				

(*) Ø400 mm bloccando il 1° tubo esterno (*) Ø400 mm blocking the 1st outer bar

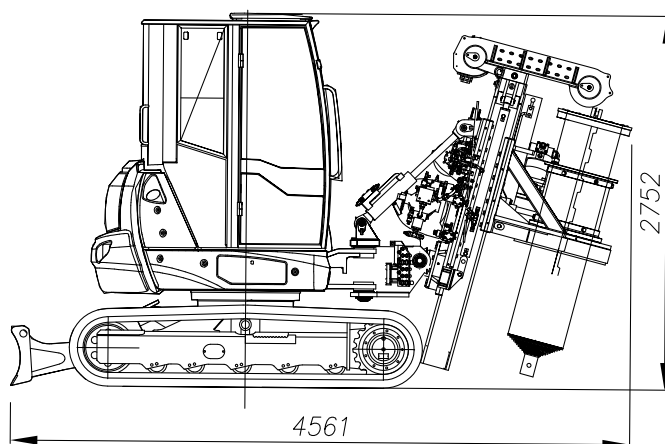
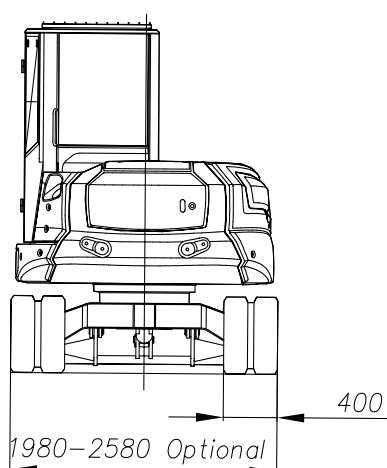
Aste a bloccaggio

Mechanical locking kelly bar

Elementi	Ø _e 1° tubo		Lunghezza (A)		Profondità		Altezza (H)	
Elements	Ø _e 1st tube		Length (A)		Depth		Height (H)	
	(mm)	(ft)	(mm)	(ft)	(m)	(ft)	(mm)	(ft)
6	323	1,06	3800	12,48	20	65	1688	4,1
6	323	1,06	3500	11,49	18	59	1520	5
6	323	1,06	3170	10,4	15	49,2	1900	6,2
7	323	1,06	2040	6,7	10	32,8	2256	7,4
11	419	1,38	1810	5,9	15	49,2	2005	6,6



Configurazione trasporto / Transport configuration



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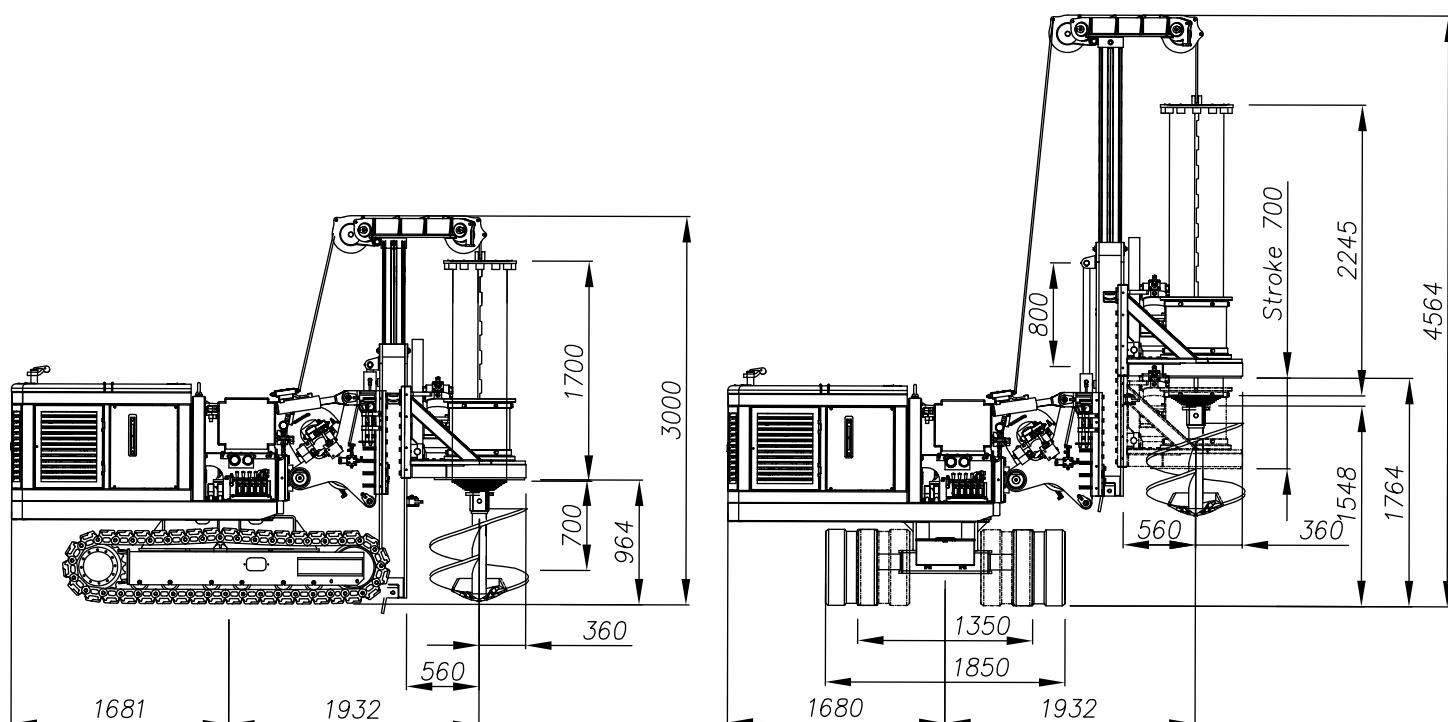


Base		Base		TES CAR	
Tipo	Type			CUMMINS QSF2.8	
Motore Diesel Tier4	Diesel engine Tier4				
Potenza 2450 rpm	Rated power 2450 rpm	48,0	kW	64,4	HP
Capacità serbatoio carburante	Fuel tank capacity	195	l	51,5	gal.
Capacità serbatoio olio	Hydraulic oil tank capacity	220	l	58,1	gal.
Centralina motore estraibile	Removable Power Pack				
Max distanza Macchina - Centralina	Max distance Rig - Power Pack	20	m	65,6	ft.
Sottocarro		Undercarriage			
Larghezza cingoli chiusi	Width with retracted track	1350	mm	4,4	ft.
Larghezza cingoli aperti	Width with extended track	1850	mm	6,1	ft.
Lunghezza cingoli	Track length	2525	mm	8,3	ft.
Larghezza pattini	Shoe width	400	mm	15,7	in.
Velocità di traslazione max.	Max. Traveling speed	5	Km/h	3,1	mph
Velocità di rotazione torretta	Turret swing speed			5 rpm	
Pompe idrauliche		Hydraulic pumps			
Portata pompa principale	Main pump flow	125	l/min	33	gpm
Portata pompa secondaria	Auxiliary pump flow	43,6	l/min	11,5	gpm
Massima pressione di lavoro	Max working pressure	26	MPa	3771	psi
Argani idraulici		Hydraulic winches			
Argano principale	Main winch	2500	daN	5,620	lbs.
Argano di servizio	Service winch	900	daN	2,023	lbs.
Testa di rotazione idraulica		Hydraulic rotary head			
Coppia	Torque	25	daNm	18,400	ft. Lbs.
Coppia (motore+riduttore maggiorati)	Torque (bigger motor+reducer)	35	daNm	25,800	ft. Lbs.
Velocità di perforazione	Drilling speed			7-15 rpm	
Velocità di scarico	Spin-off speed			70 rpm	
Corsa	Stroke	700	mm	27,6	in.
Tiro massimo pull-down	Pull-down max. extraction force	5443	daN	12,236	lbs.
Spinta massima pull-down	Pull-down max. crowd	8080	daN	18,165	lbs.
Controslitta per abbassare il mast	Counterlslide to lower the mast	1000	mm	3,3	ft.
Dimensioni di perforazione		Drilling dimensions			
Diametro massimo	Max. diameter	1000	mm	39,4	in.
Diametro minimo	Min. diameter	450	mm	17,7	in.
Profondità massima	Max. depth	18	m	59,1	ft.
Dimensioni per il trasporto		Transport dimensions			
Altezza	Height	2270	mm	7,4	ft.
Lunghezza	Length	3980	mm	13,1	ft.
Larghezza	Width	1390	mm	4,6	ft.
Peso (con asta 15m)	Weight (with 15 m kelly bar)	7500	kg	16,535	lbs.
Sistemi di sicurezza		Safety system			
Estintore	Fire extinguisher				
Livella sulla torre	Spirit level on the mast				
Arresto fine corsa	Stroke-Limit System				
Pulsante arresto motore	Safety engine stop button				
Pulsante di arresto motore sul radiocomando	Shut off button on the radio remote controller				
Radiocomando		Radio Remote Control			
Radiocomando IMET	Radio Remote Controller IMET				
Massimo raggio d'azione	Max working distance	100	m	328,1	ft.
Filocomando di emergenza	Emergency Wire Remote Controller	5	m	16,4	ft.

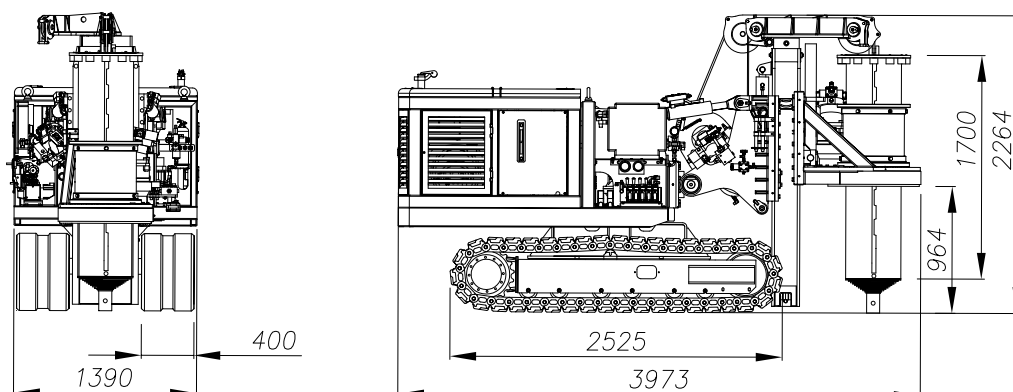
Aste a bloccaggio

Mechanical locking Kelly bar

Elementi	Ø _e 1° tubo		Lunghezza (A)		Profondità		Altezza (H)	
Elements	Ø _e 1st tube		Lenght (A)		Depth		Height (H)	
	(mm)	(ft)	(mm)	(ft)	(m)	(ft)	(mm)	(ft)
11	419	1,38	2325	7,6	18	59,04	2265	7,5
11	419	1,38	1810	5,9	15	49,2	1764	5,8
11	419	1,38	1210	3,95	10	32,8	2614	8,6



Configurazione trasporto / Transport configuration





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+39 071 9300027

P.Iva / VAT: IT 02636680429

Registered Office: Via Marco Polo, 80 60027 Osimo (AN) Italy
Operating Office: Via Flaminia II, 16 60027 Osimo (AN) Italy