



casagrande

casagrande
B250

XP

B 250

HYDRAULIC PILING RIG

ATTREZZATURA IDRAULICA PER PALI



TECHNICAL SPECIFICATIONS

DATI TECNICI

B250
HYDRAULIC PILING RIG

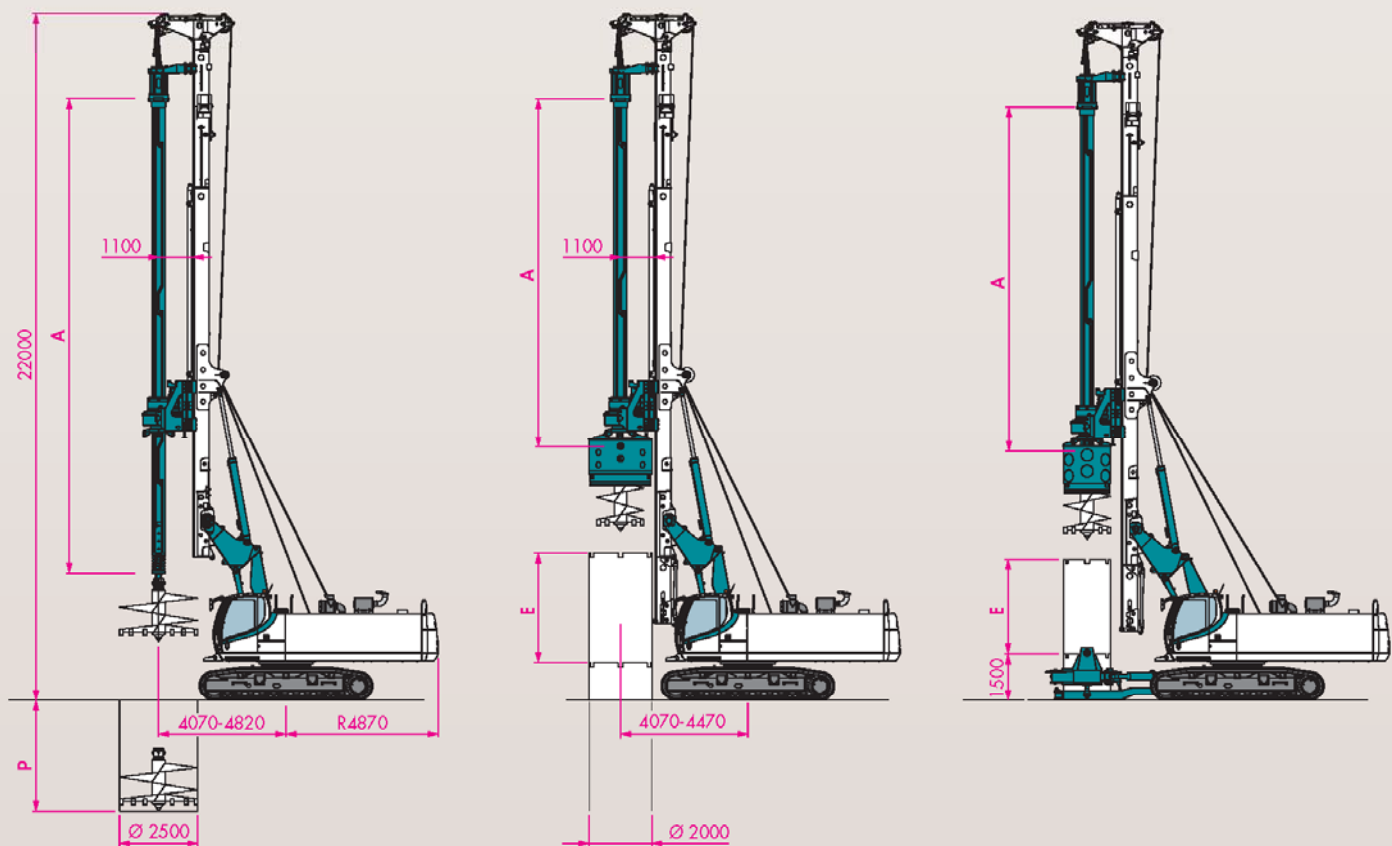
PILING	PALI		
Max depth	Profondità max		67 m
Max diameter	Diametro max		2500 mm
Max diameter with casing - Crowd ram	Diametro max con tubo - Martinetto pull-down		2000 mm
Max diameter with casing - Crowd winch	Diametro max con tubo - Argano pull-down		1800 mm
Max diameter with casing oscillator	Diametro max con morsa giracolonna		1500 mm
C.F.A. CONTINUOUS FLIGHT AUGER	ELICA CONTINUA C.F.A.		
Max depth	Profondità max		27 m
Max diameter	Diametro max		1200 mm
SOIL MIXING	SOIL MIXING		
Max depth	Profondità max		26 m
Max diameter	Diametro max		1200 mm
DIAPHRAGM WALL	DIAFRAMMI		
Max depth	Profondità max		35 m
Max length of trench	Lunghezza max scavo		3000 mm
Max width of trench	Larghezza max scavo		1200 mm
UNDERCARRIAGE	CARATTERISTICHE CARRO		
Width with retracted/extended tracks	Larghezza con cingoli chiusi/ aperti		3000/4500 mm
Tracks length	Lunghezza cingoli		5545 mm
Shoes width	Larghezza pattini		900 mm
ENGINE	MOTORE	DEUTZ AG	
Model	Modello	TCD 2015 V06 (EPA/COM III) Intercooler	
Power at 2200 rpm	Potenza a 2200 giri		330 kW
Hydraulic power	Potenza idraulica		300 kW
MAIN WINCH	ARGANO PRINCIPALE		
Nominal line pull on 1 st layer	Tiro nominale 1° strato		250 kN
Max line speed	Velocità max fune		90 m/min
AUXILIARY WINCH	ARGANO AUSILIARIO		
Max line pull	Tiro max		134 kN
Max line speed	Velocità max fune		64 m/min
MAIN WINCH FOR KRC USE	ARGANO PRINCIPALE USO KRC		
Max line pull	Tiro max		250 kN
Max line speed	Velocità max fune		106 m/min
ROTARY HEAD	TESTA ROTARY	H25 SX *	H25
Max torque	Coppia max	180 kNm	240 kNm
Max drilling speed	Velocità max lavoro	70 rpm	34 rpm
Discharge speed	Velocità di scarico	100 rpm	120 rpm
CROWD RAM	MARTINETTO PULL-DOWN		
Max line pull	Tiro max	400 kN	211 kN
Max crowd	Spinta max	250 kN	180 kN
Stroke	Corsa	7000 mm	6000 mm
CROWD WINCH	ARGANO PULL-DOWN		
Max line pull	Tiro max		280 kN
Max crowd	Spinta max		280 kN
Stroke	Corsa		12500 mm
MAST INCLINATION	INCLINAZIONE MAST		
Forward Backward Lateral	Avanti Indietro Laterale		3° 15° ±3°
WEIGHT	PESO		
Weight in working condition	Attrezzatura in condizioni di lavoro		~ 82 t

* For Soil Mixing applications / Per impiego Soil Mixing

PILING ARRANGEMENT - PDC

ALLESTIMENTO PALI - PDC

CROWD RAM - MARTINETTO PULL-DOWN



DRILLING DEPTH

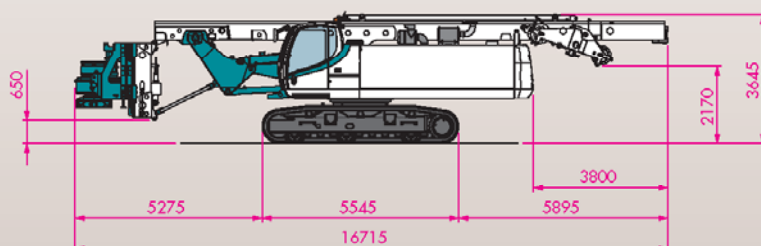
PROFONDITÀ DI SCAVO

Nominal kelly bars length	Lunghezza nominale aste		A	7500	9500	11000	12500	14500
Kelly bars 4 elements	Aste a 4 elementi	m	P	26	34	40	46	54
Kelly bars 5 elements	Aste a 5 elementi	m	P	32	42	50	57	67
Casing length	Lunghezza tubo	mm	E	4500	4500	3500	—	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	4000	4000	3000	—	—

* Special arrangement / Allestimento speciale

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO



WEIGHT - PESO ~ 82 t

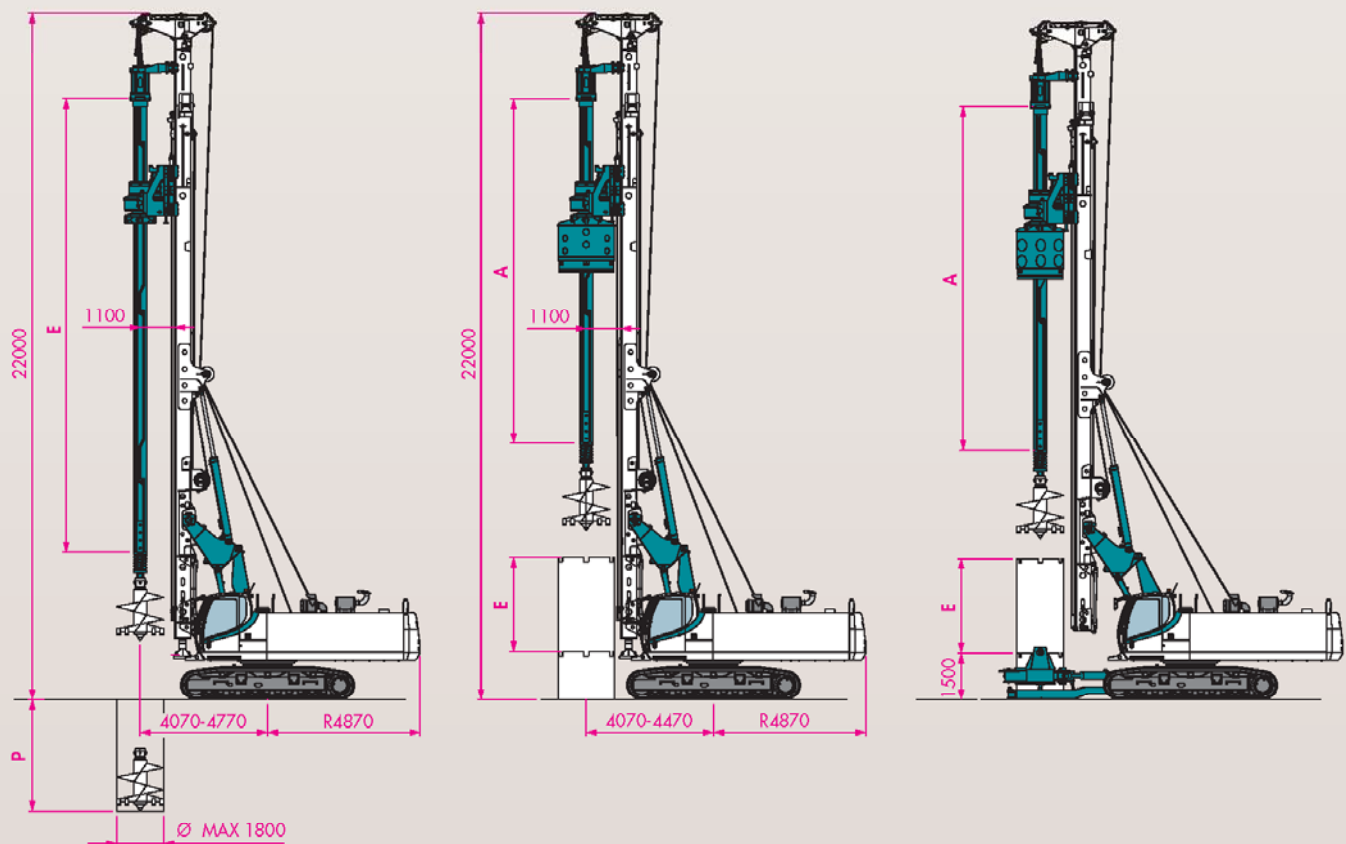
Without counterweight and rotary head
Senza zavorra e rotary ~ 56 t

PILING ARRANGEMENT - PDW

ALLESTIMENTO PALI - PDW

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HYDRAULIC PILING RIG

CROWD WINCH - ARGANO PULL-DOWN

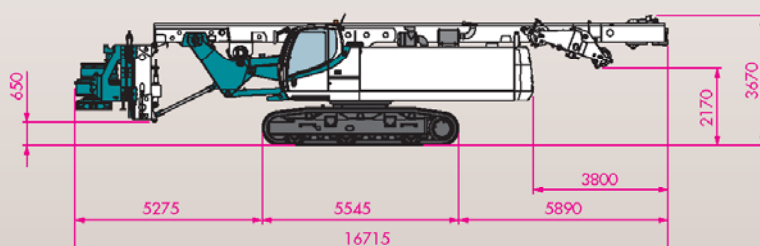


DRILLING DEPTH	PROFONDITÀ DI SCAVO		A	7500	9500	11000	12500	14500
Nominal kelly bars length	Lunghezza nominale aste							
Kelly bars 4 elements	Aste a 4 elementi	m	P	25	33	39	45	53
Kelly bars 5 elements	Aste a 5 elementi	m	P	32,4	42,5	50	57	67
Casing length	Lunghezza tubo	mm	E	7000	5000	3000	2000	—
Casing length with oscillator	Lunghezza tubo con morsa	mm	E ₁	6000	4000	3000	—	—

* Special arrangement / Allestimento speciale

TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

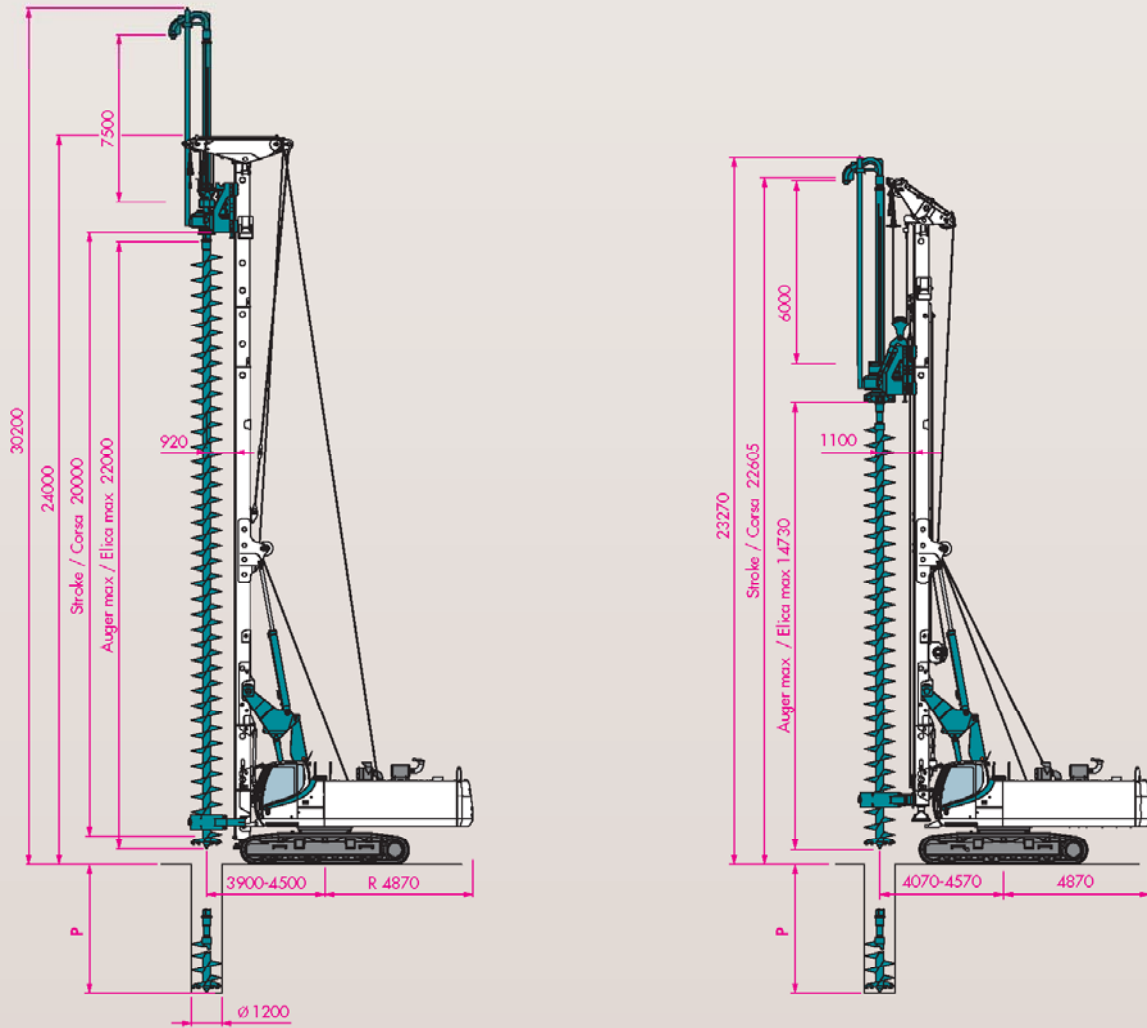


WEIGHT - PESO	
Without counterweight and rotary head Senza zavorra e rotary	~ 83 t ~ 57 t

C.F.A. ARRANGEMENT

ALLESTIMENTO C.F.A.

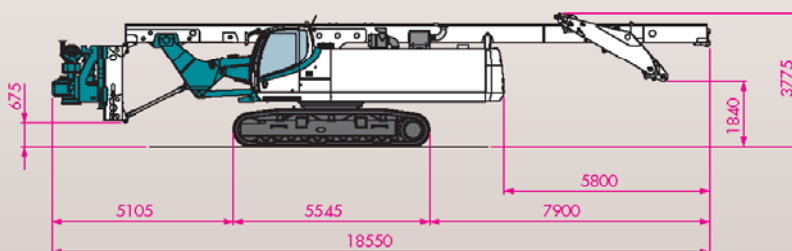
QUICK CFA VERSION - VERSIONE CFA RAPIDO



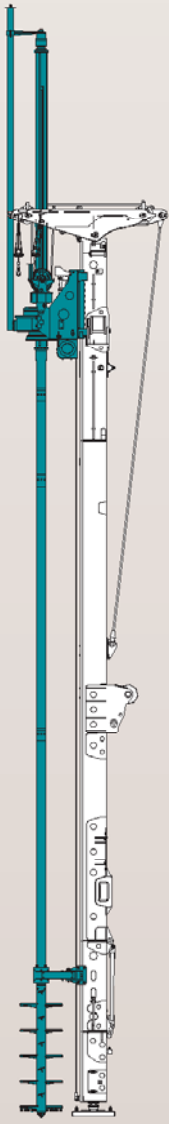
DRILLING DEPTH	PROFONDITÀ DI SCAVO		CFA	QUICK CFA
Max Diameter	Diametro max	Ø	D 1200	1200
Max depth with rotating auger cleaner	Profondità max con pulisci elica rotante	m	P 26	P₁ 17
Max depth with star auger cleaner	Profondità max con pulisci elica stellare	m	P 27	P₁ 18
Extraction force	Forza di estrazione	kN	800	—
Extraction / crowd force	Forza di estrazione / spinta	kN	—	400/280

TRANSPORT DIMENSIONS

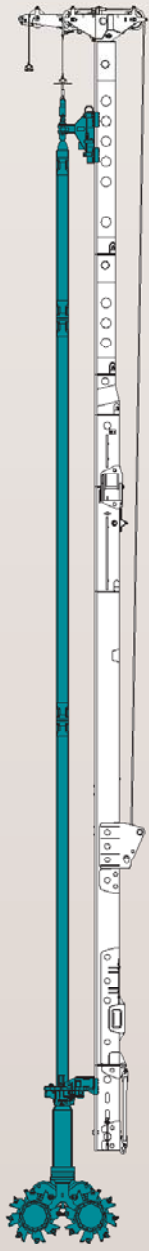
DIMENSIONI DI TRASPORTO



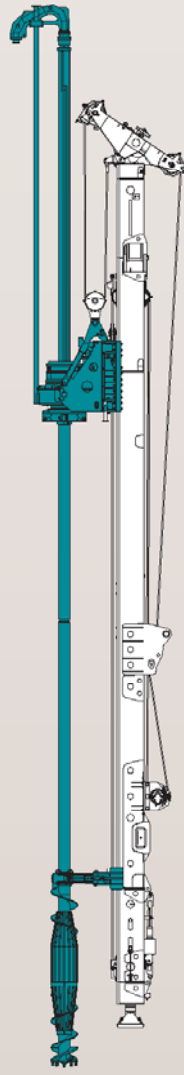
WEIGHT - PESO	~ 78 t
Without counterweight and rotary head Senza zavorra e rotary	~ 54 t



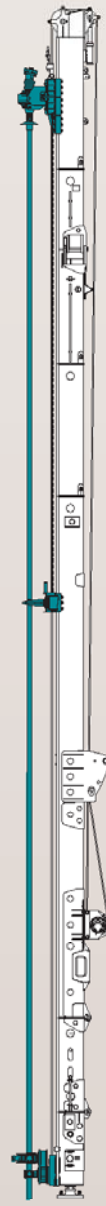
SOIL MIXING
Depth 26 m
Ø 1200 mm



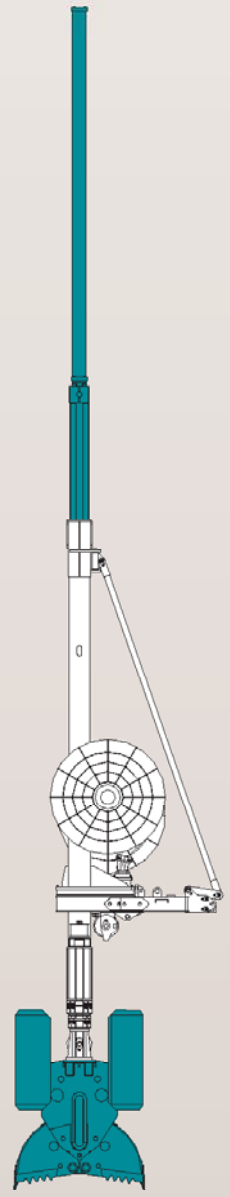
**CSM CUTTER
SOIL MIXING**
Depth 23 m
Trench 1000 x 2800 mm



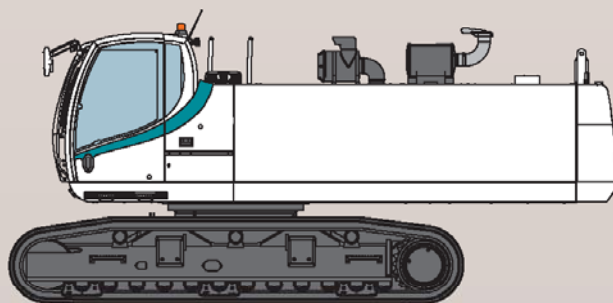
DISPLACEMENT PILE
Depth 32 m
Ø 620 mm



**MICROPILING
JET-GROUTING**
Rotary stroke 18 m
Ø 40 ÷ 254 mm



**KRC
DIAPHRAGM WALL**
Depth 46 m
Trench 500 ÷ 1500 mm



CASAGRANDE HYDRAULIC PILING RIGS RANGE



B125XP



B175XP



B200XP



B250XP



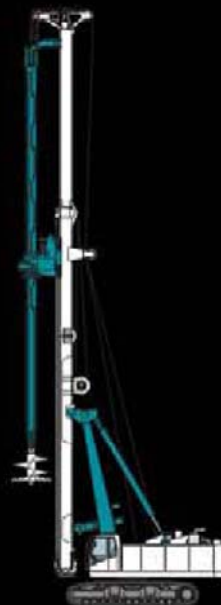
B300XP



B400



C850



C900

All data contained in this brochure are indicative and does not take power losses into account. All data can be changed without notice.
Tutti i dati riportati su questo catalogo sono indicativi e non considerano perdite di carico. Tali dati possono variare senza preavviso.



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