



casagrande

C7

HYDRAULIC CRAWLER DRILL

PERFORATRICE IDRAULICA



THE C7 DRILL is designed to tackle the larger projects and retains qualities of robustness and versatility. The C7 is generally used for constructing anchors and micropiles and is particularly suited to jet grouting; its long mast enables boreholes as deep as 24 m to be drilled with one pass drilling. Thanks to a new joints system, the C7 is a fast and rapid machine to operate, easy to use. The joints system allows reaching the most extreme spots, as the position Front The Wall $\pm 95^\circ$, which permit working in extremely narrow spaces. The powerful diesel engine enables a wide range of rotary heads, as well as twin rotary heads, to be mounted on its mast. The same heads can be fitted with hydraulic drifters for overburden drilling or with drill string chucks for one pass drilling. Options such as rod carousels, soundproofing, flushing pumps, etc. can also be accommodated on the rig.

LA PERFORATRICE C7 è stata progettata per i lavori gravosi assicurando caratteristiche di robustezza, affidabilità e versatilità. È idonea per eseguire ancoraggi, tiranti e micropali ed è particolarmente adatta al jet grouting; il mast nella versione lunga munito di prolunghe permette di perforare fino a 24 m con un singolo passaggio. Grazie al sistema di articolazione, la C7 raggiungere le posizioni estreme come la posizione Front The Wall e il brandeggio a $\pm 95^\circ$ per consentire il lavoro in spazi estremamente ridotti. Le soluzioni adottate rendono la C7 altamente manovrabile e facile da posizionare in spazi angusti. Efficienza e un potente motore permettono l'applicazione di una ampia gamma di teste di rotazione o di doppia testa. Queste possono essere munite di martelli idraulici per perforare i terreni sciolti o di mandrini idraulici per la perforazione ad un unico passaggio. Sono inoltre disponibili accessori quali: caricatori aste, insonorizzazione, pompe per lo spurgo dei fori, ecc.





TECHNICAL SPECIFICATIONS

DATI TECNICI



UNDERCARRIAGE		CARATTERISTICHE CARRO		
Overall width of undercarriage	Larghezza sottocarro	2500 mm		
Track shoes width	Larghezza pattini	500 mm		
Overall track length	Lunghezza cingoli	3625 mm		
Travel speed	Velocità di traslazione	2 km/h		
Max. gradeability	Pendenza max. superabile	20° / 37%		
Ground pressure	Pressione specifica al suolo	74 kPa		
ENGINE		MOTORE		DEUTZ
Model	Modello	TCD 2012 L06 2V (EPA/COM III)		
Rated power at 2300 rpm	Potenza a 2300 giri	147 kW		
Fuel tank capacity	Capacità serbatoio gasolio	300 l		
Hydraulic oil tank capacity	Capacità serbatoio olio idraulico	620 l		
MAST		MAST		7000 MR 10000 MR
Mast length	Lunghezza mast	8850 mm		12165 mm
Stroke of rotary head	Corsa testa di rotazione	7080 mm		10400 mm
Stroke of double rotary head	Corsa doppia testa di rotazione	5730 mm		—
Extraction force	Forza di estrazione	80 kN		80 kN
Crowd force	Spinta sull'utensile	80 kN		80 kN
CLAMPS		MORSE	M4/M4S	M5/M5S M6/M6S
Diameter	Diametro	60 ÷ 305 mm	90 ÷ 406 mm	152 ÷ 508 mm
Clamping force	Forza di chiusura	250 kN	250 kN	250 kN
ROTARY HEAD		TESTA DI ROTAZIONE	T20 EP	T2500 T3000
Max. torque	Coppia max.	15200 Nm	20000 Nm	30000 Nm
Max. speed	Giri max.	52 ÷ 400 rpm	0 ÷ 220 rpm	0 ÷ 160 rpm
DIMENSIONS AND WEIGHT		INGOMBRI E PESO		
Length	Lunghezza	11040 mm		12950 mm
Width	Larghezza	2500 mm		2500 mm
Height	Altezza	3100 mm		3100 mm
Weight of rig*	Peso attrezzatura*	~ 22 t		~ 23 t
* Depending on mounted equipment		* Dipende dall'allestimento montato		

* Depending on mounted equipment

* Dipende dall'allestimento montato

OPTIONALS

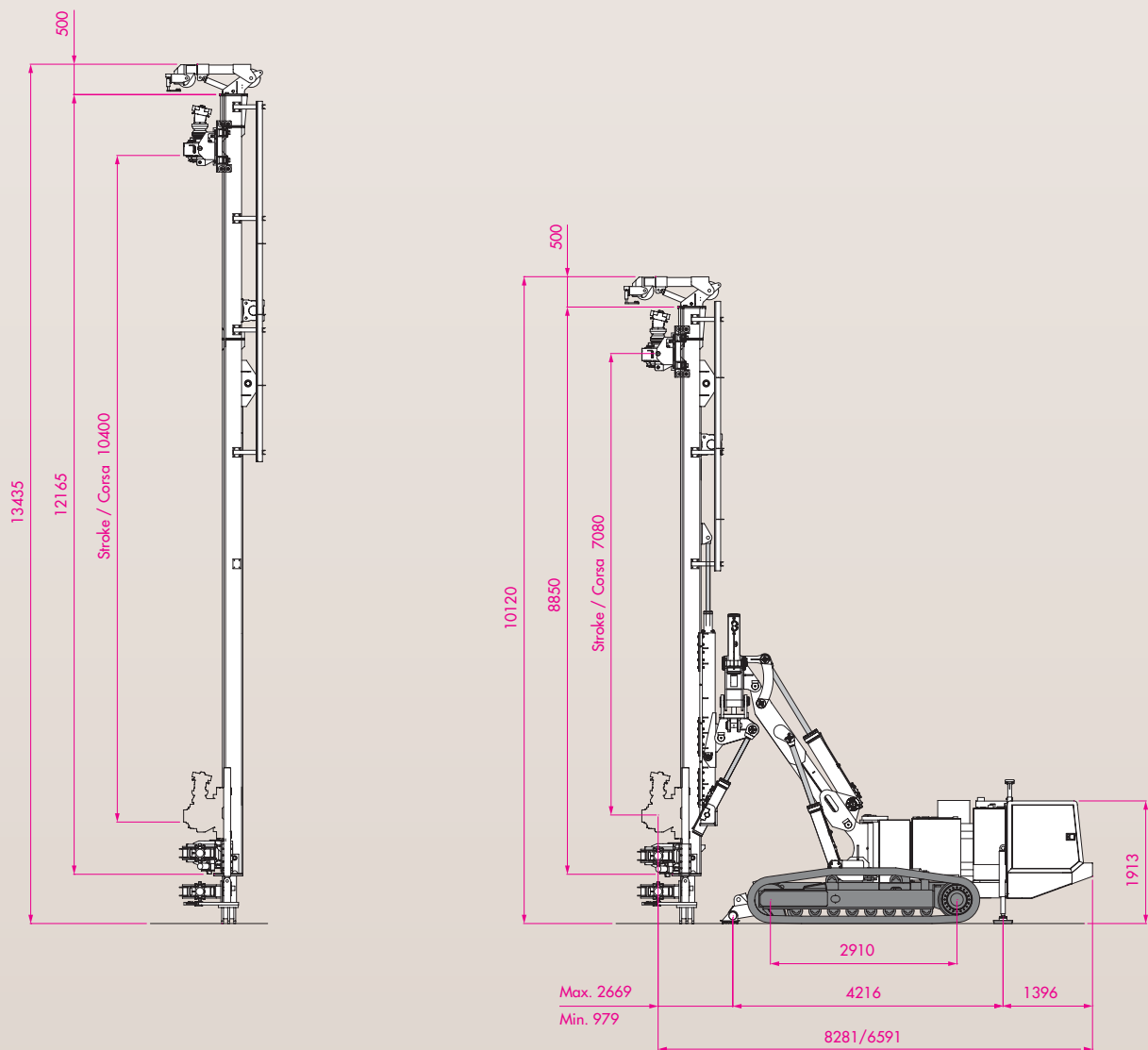
OPZIONI

Rotary head type T5000 (application must be limited)	Testa di rotazione T5000 (applicazione soggetta a limitazioni)
Double rotary head - Hammers	Doppia testa di perforazione - Martelli esterni
Hydraulic chuck P114 - P200	Mandrino P114 - P200
Telescopic and 60° swinging cat head	Falchetto telescopico rotante 60°
Sliding breaking unit clamp, Ø 90 ÷ 406 mm, stroke 1500 mm, extraction force 200 kN	Morsa scorrevole, Ø 90 ÷ 406 mm, corsa 1500 mm, forza estrazione 200 kN
Auxiliary crane	Gru ausiliaria
A2 type hydraulic service winch; line pull 20 kN	Argano di servizio A2; tiro 20 kN
Jet system - with time or distance control	Impianto jet induttivo o temporizzato
Flushing pump type gamma 202: 60 bar 200 l/min	Pompa acqua tipo gamma 202; 60 bar 200 l/min
Grouting pump type PH160: 45 bar 500 l/min	Pompa PH 160; 45 bar 500 l/min
1 rod loader only vertical use; Ø max. 300 mm L= 6m	Caricatore 1 asta uso verticale Ø max. 300 mm L= 6m
2 rods loader:	Caricatore 2 aste per uso:
vertical use Ø max. 168 mm horizontal use Ø max. 219 mm L= 6m	verticale Ø max. 168 mm orizzontale Ø max. 219 mm L= 6m
Rods carousel type V3; 10 rods Ø 114 mm 6 rods Ø 140 mm	Caricatore tipo V3; 10 aste Ø 114 mm 6 aste Ø 140 mm



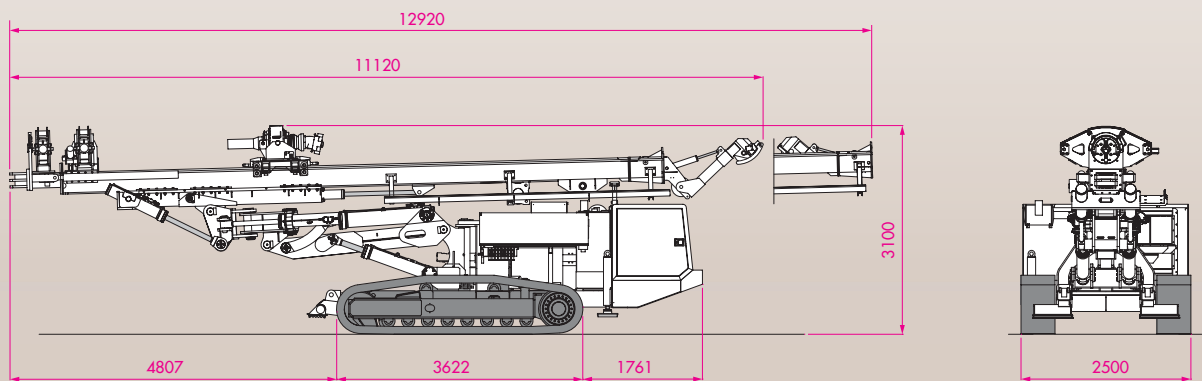
DIMENSIONS

DIMENSIONI



TRANSPORT DIMENSIONS

DIMENSIONI DI TRASPORTO

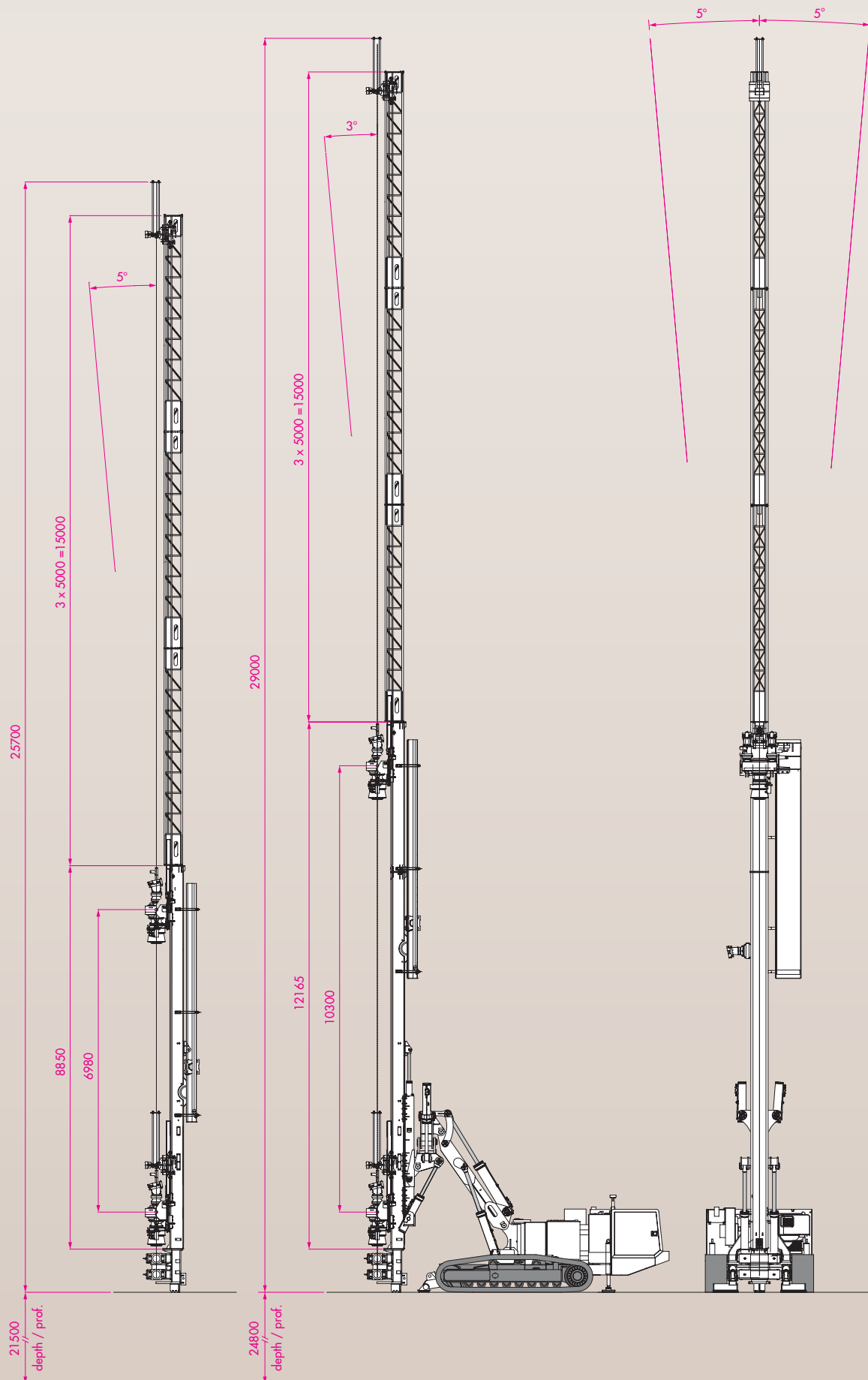




JET GROUTING ARRANGEMENT

ALLESTIMENTO JET GROUTING

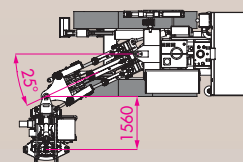
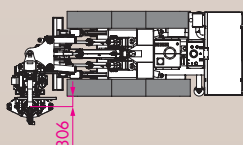
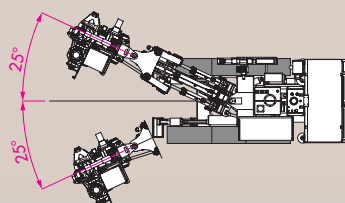
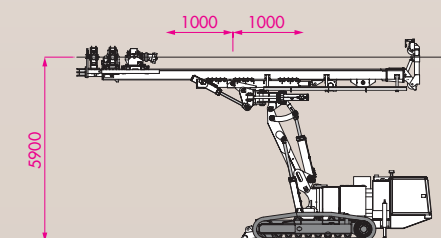
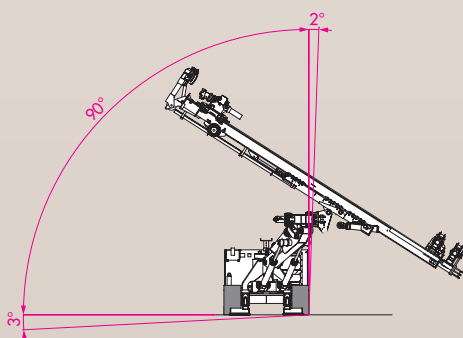
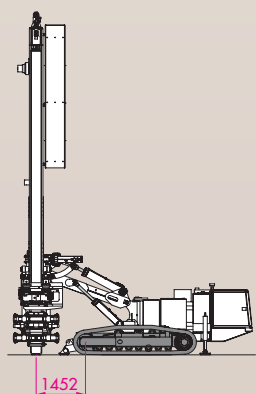
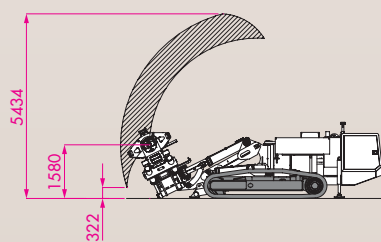
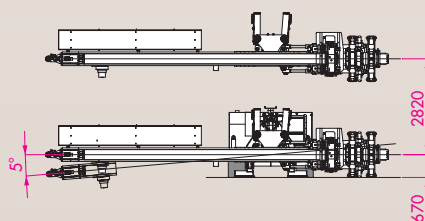
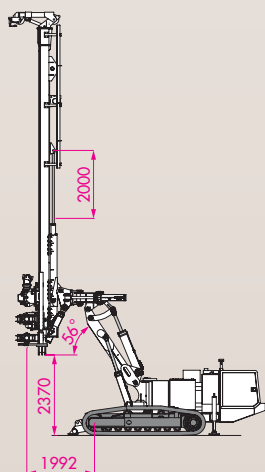
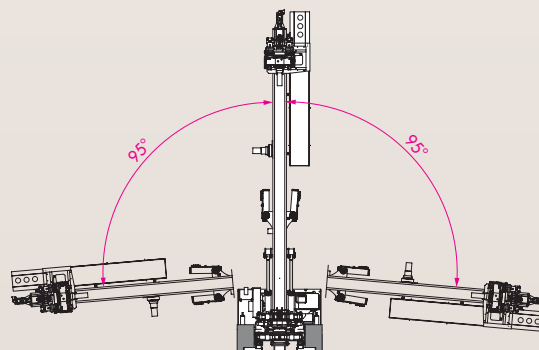
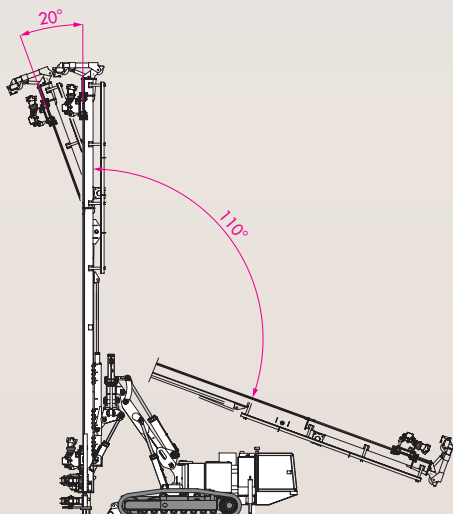
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MAST MOVEMENTS

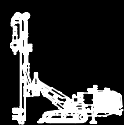
MOVIMENTAZIONI MAST

C7
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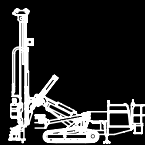




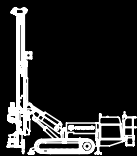
CASAGRANDE CRAWLER DRILLS RANGE



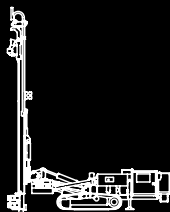
C4



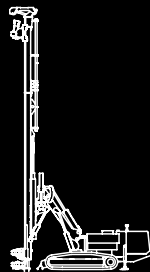
M6A-1



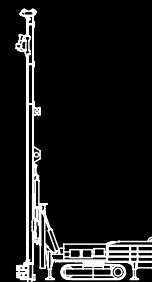
C6



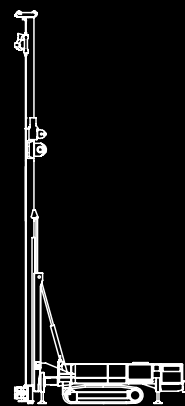
M9-1



C7



C8



C14



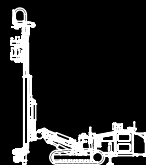
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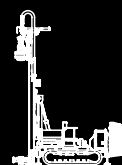
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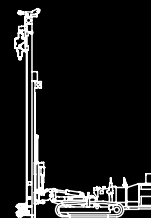
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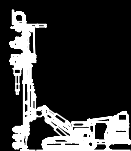
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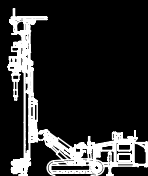
HBR 205MP



HBR 609



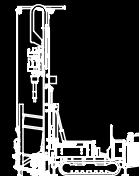
HBR 504GT



HBR 605GT



HBR 204GT



HBR 205GT

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