



casagrande

C8^{XP}

HYDRAULIC CRAWLER DRILL

PERFORATRICE IDRAULICA



THE NEW C8 XP is at the top of the range of small bore drilling rigs produced by Casagrande, designed to tackle the larger project with qualities of robustness and versatility. The C8 XP is generally used for constructing anchors and micropiles and is particularly suited to jet grouting; its long mast enables boreholes as deep as 29 m to be drilled with one pass drilling. A ringer connects the rig's upper structure to the undercarriage, a concept which makes the machine highly maneuverable and makes setting up easy even on the most confined sites. The powerful diesel engine mounted on the C8 XP 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, flushing pumps, etc. can also be accommodated on the rig.

LA NUOVA C8 XP è al vertice della serie di perforatrici per la piccola perforazione prodotte dalla Casagrande. La C8XP è stata progettata per i lavori più impegnativi mantenendo caratteristiche di robustezza e versatilità. La C8 XP viene normalmente utilizzata per la costruzione di tiranti e micropali ed è particolarmente adatta al jet grouting; il mast lungo permette di perforare fino a 29 m con un passaggio unico. Una ralla collega la torretta della macchina al sottocarro, un concetto che la rende altamente manovrabile e facile da posizionare nei cantieri piccoli. Il motore potente della C8 XP permette l'applicazione di una ampia gamma di teste di rotazione o di doppia testa. Le teste possono essere munite di martelli idraulici, per perforare i terreni sciolti, o con mandrini idraulici per la perforazione ad un unico passaggio. Si possono montare sulla C8 XP accessori quali caricatori aste, pompe per lo spurgo dei fori e accessori vari.





TECHNICAL SPECIFICATIONS

DATI TECNICI



UNDERCARRIAGE		CARATTERISTICHE CARRO				
Overall width of undercarriage	Larghezza sottocarro	2450 mm				
Track shoes width	Larghezza pattini	600 mm				
Overall track length	Lunghezza cingoli	3238 mm				
Travel speed	Velocità di traslazione	2 km/h				
Max. gradeability	Pendenza max. superabile	20° / 37%				
Ground pressure	Pressione specifica al suolo	7,4 N/cm ²				
Swing drive	Rotazione torretta	360°				
ENGINE		MOTORE		DEUTZ TCD 2012 L06 2V		
Power at 2300 rpm	Potenza a 2300 giri	EU Stage IIIA - US EPA TIER III - 147 kW				
ENGINE		MOTORE		DEUTZ TCD 6.1 L06 4V		
Power at 2000 rpm	Potenza a 2000 giri	EU Stage IIIB - US EPA TIER IVi - 160 kW				
Fuel tank capacity	Capacità serbatoio gasolio	400 l				
Hydraulic oil tank capacity	Capacità serbatoio olio idraulico	655 l				
MAST		MAST		8000 MR	10000 MR	
Mast length	Lunghezza mast	10000 mm	12000 mm			
Stroke of rotary head	Corsa testa di rotazione	8000 mm	10000 mm			
Extraction force/Crowd force	Forza di estrazione/Spinta sull'utensile	86,5 kN	86,5 kN			
Slow speed Extraction/Crowd	Velocità lavoro Estrazione/Spinta	18 m/min	18 m/min			
Fast speed Extraction/Crowd	Velocità rapida Estrazione/Spinta	57 m/min	57 m/min			
High speed Extraction/Crowd *	Velocità ultra rapida Estrazione/Spinta *	102 m/min	102 m/min			
MAST *		MAST *		7800 MR	10000 MR	
Mast length	Lunghezza mast	9725 mm	12025 mm			
Stroke of rotary head	Corsa testa di rotazione	7760 mm	10060 mm			
Max. Extraction force/Crowd force	Max. Forza di estrazione/Spinta sull'utensile	150 kN	150 kN			
Max. slow speed Extraction/Crowd	Max. velocità lavoro Estrazione/Spinta	30 m/min	30 m/min			
Max. fast speed Extraction/Crowd	Max. velocità rapida Estrazione/Spinta	91 m/min	91 m/min			
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		T14 EP	T20 EP	T2500
Max. torque	Coppia max.	12160 Nm	15200 Nm	20000 Nm		
Max. speed	Giri max.	65 ÷ 500 rpm	52 ÷ 400 rpm	0 ÷ 220 rpm		
DIMENSIONS AND WEIGHT		INGOMBRI E PESO				
Length	Lunghezza	11375 mm	13375 mm			
Width	Larghezza	2450 mm	2450 mm			
Height	Altezza	3155 mm	3155 mm			
Weight of rig **	Peso attrezzatura **	~ 23,2 t		~ 23,5 t		

* Optional

** Depending on mounted equipment

* Optional

** Dipende dall'allestimento montato



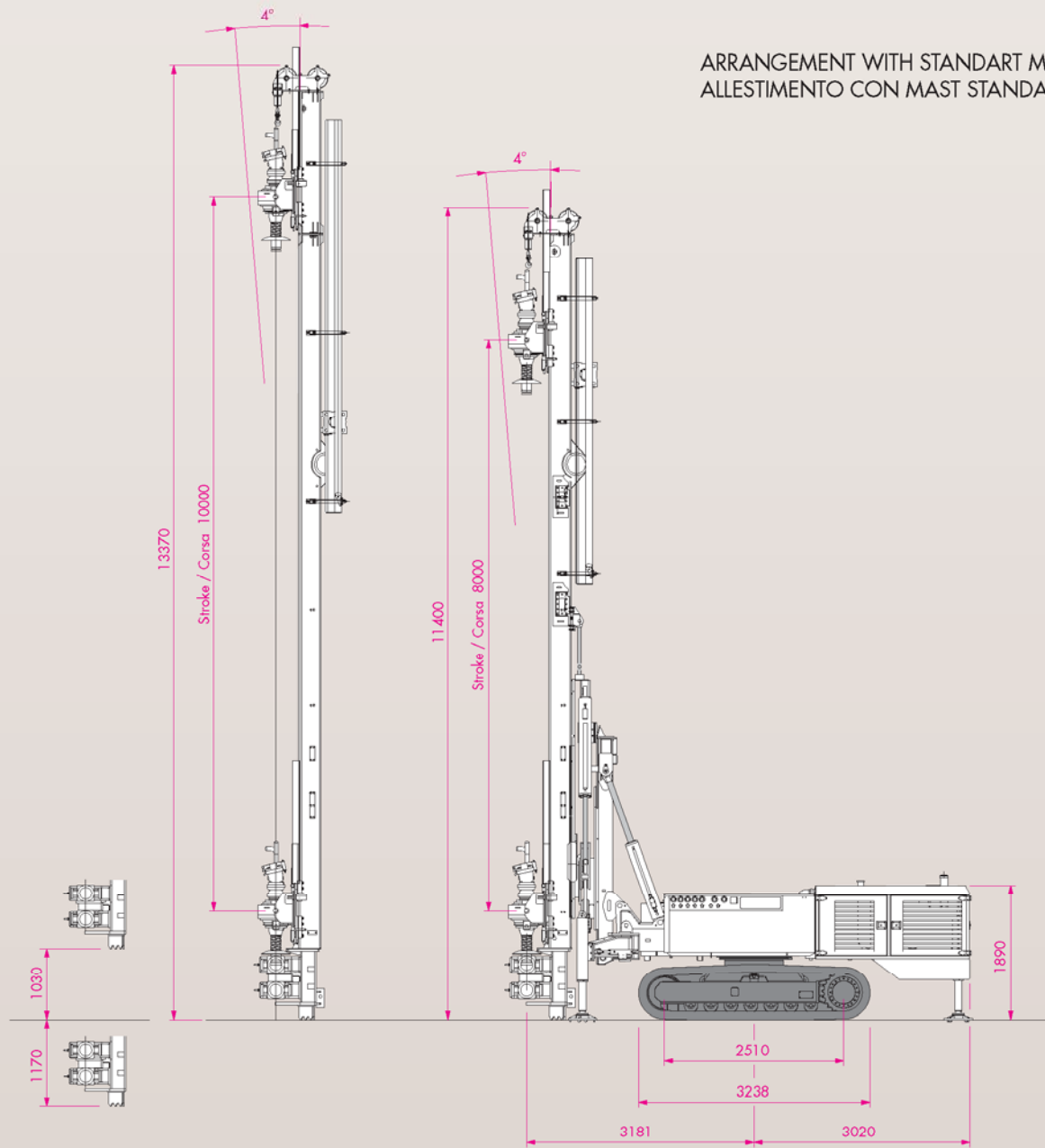
C8XP

DIMENSIONS

DIMENSIONI

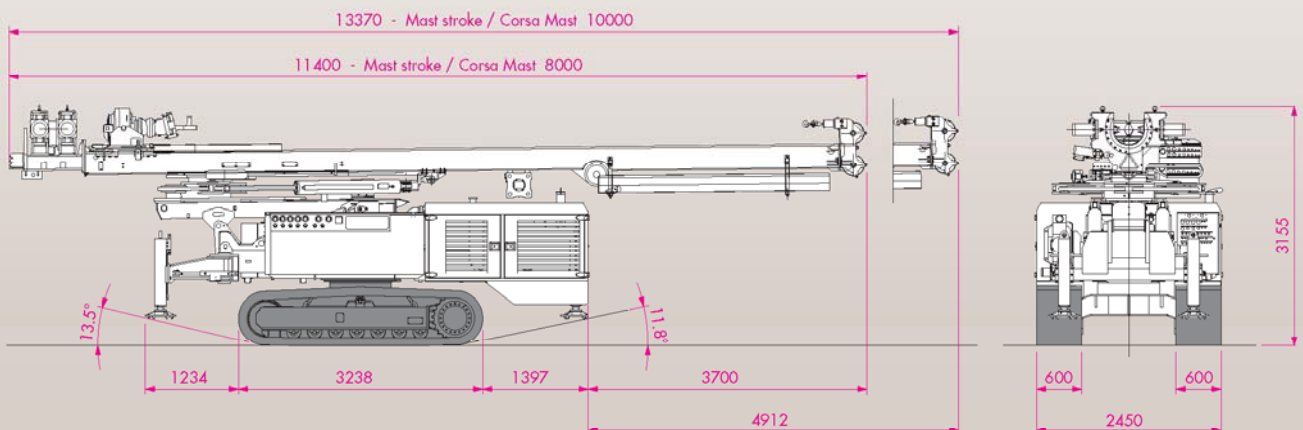


ARRANGEMENT WITH STANDART MAST
ALLESTIMENTO CON MAST STANDARD



TRANSPORT DIMENSIONS

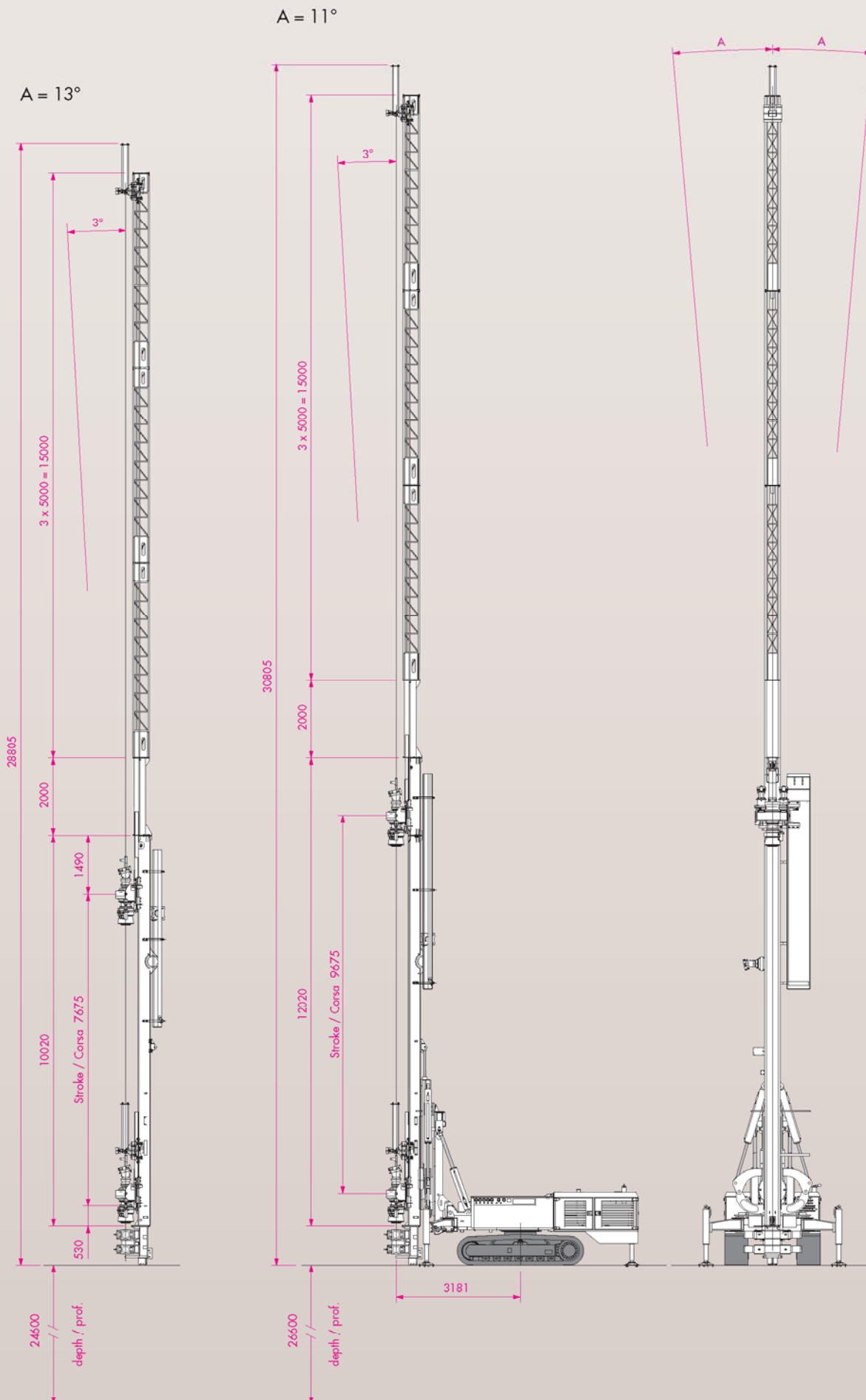
DIMENSIONI DI TRASPORTO





JET GROUTING ARRANGEMENT

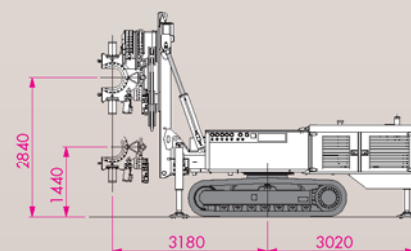
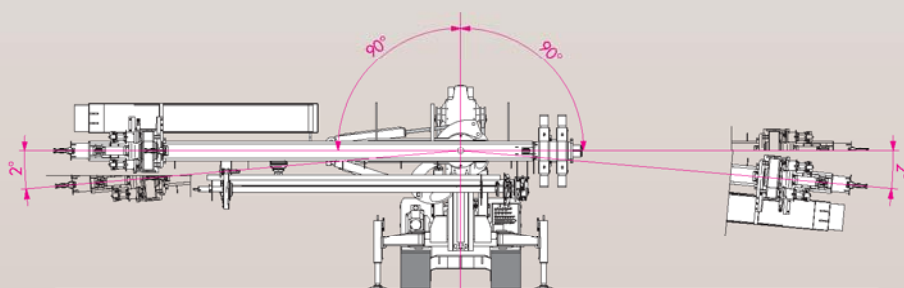
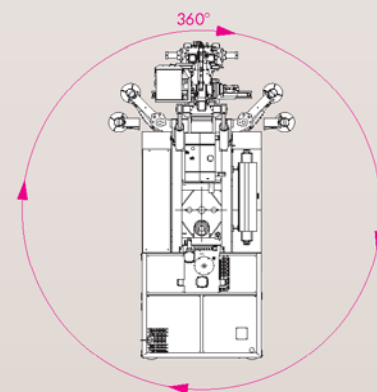
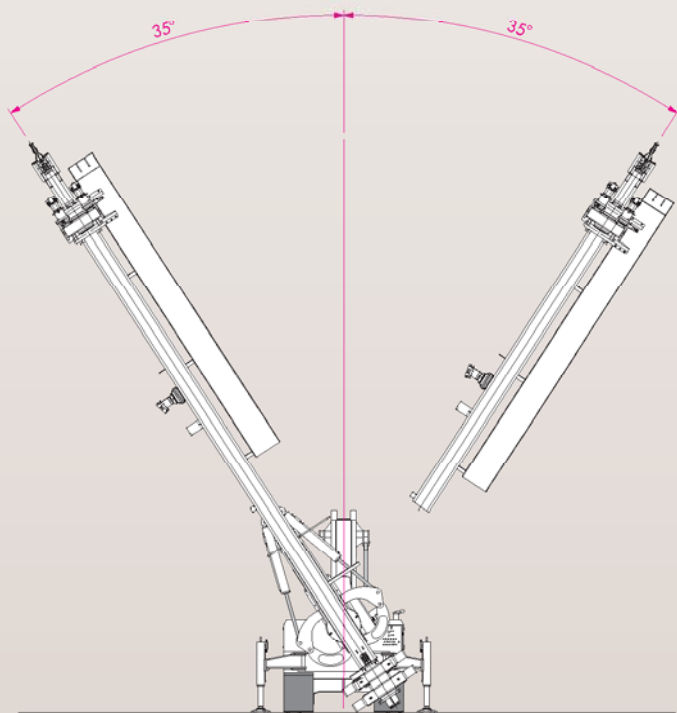
ALLESTIMENTO JET GROUTING



MAST MOVEMENTS

MOVIMENTAZIONI MAST

C8 XP
HYDRAULIC CRAWLER DRILL



Only with mast stroke 8000 mm
Solo con mast corsa 8000 mm

OPTIONALS

OPZIONI

Rotary head type T5000 (application must be limited)

Double rotary head - Hammers

Hydraulic chuck P114

Radio controls

Telescopic and 60° swinging cat head

Sliding breaking unit, stroke 1000 mm, Ø 90 ÷ 406 mm

Auxiliary crane

A2 type hydraulic service winch; line pull 20 kN

Jet system - with time or distance control

Flushing pump type gamma 202: 60 bar | 200 l/min

Grouting pump type PH160: 45 bar | 500 l/min

1 rod loader only vertical use; Ø max. 300 mm | L= 6m

2 rods loader:

vertical use Ø max. 168 mm | horizontal use Ø max. 219 mm | L= 6m

Rods carousel type V3; 10 rods Ø 114 mm | 6 rods Ø 140 mm

Kit for C.F.A. operations

Testa di rotazione T5000 (applicazione soggetta a limitazioni)

Doppia testa di perforazione - Martelli esterni

Mandrino P114

Comandi radio

Falchetto telescopico rotante 60°

Morsa scorrevole, corsa 1000 mm, Ø 90 ÷ 406 mm

Gru ausiliaria

Argano di servizio A2; tiro 20 kN

Impianto jet induttivo o temporizzato

Pompa acqua tipo gamma 202; 60 bar | 200 l/min

Pompa PH 160; 45 bar | 500 l/min

Caricatore 1 asta uso verticale Ø max. 300 mm | L= 6m

Caricatore 2 aste per uso:

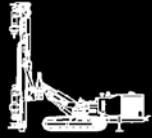
verticale Ø max. 168 mm | orizzontale Ø max. 219 mm | L= 6m

Caricatore tipo V3; 10 aste Ø 114 mm | 6 aste Ø 140 mm

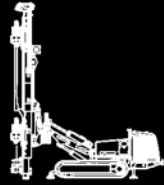
Kit per operazioni C.F.A.



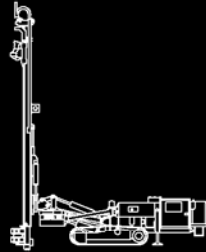
CASAGRANDE CRAWLER DRILLS RANGE



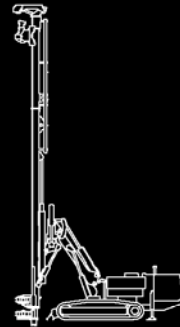
C4XP



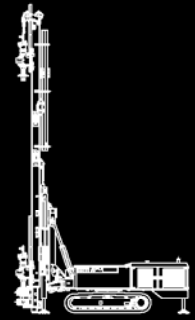
C6XP



M9-1



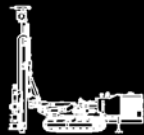
C7



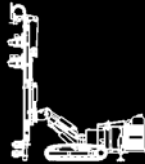
C8XP



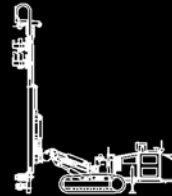
HBR 203



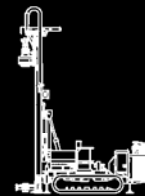
HBR 502-2



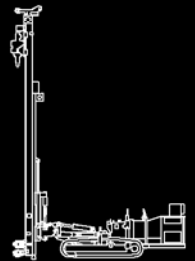
HBR 504



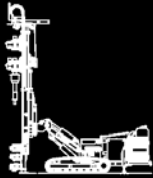
HBR 605



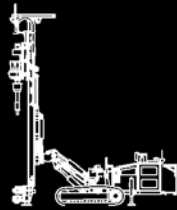
HBR 205MP



HBR 609



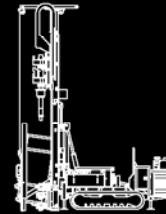
HBR 504GT



HBR 605GT



HBR 204GT



HBR 205GT

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