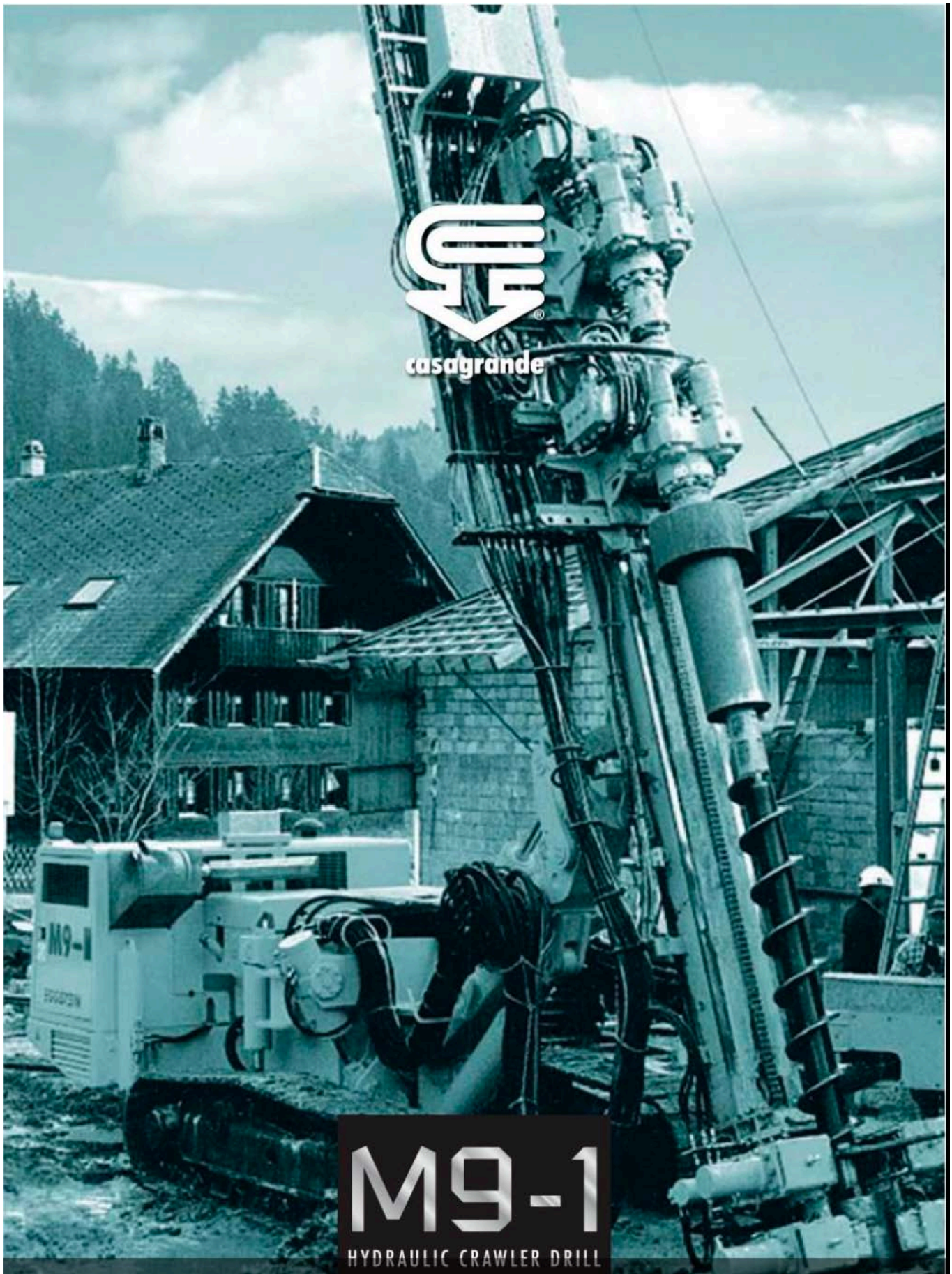




M9-1

HYDRAULIC CRAWLER DRILL



M9-1

HYDRAULIC CRAWLER DRILL

The M9-1 hydraulic crawler drill, another step forward in our production of the world's best drilling rigs. Tougher, more powerful, more versatile than before, this machine provides better performance in the execution of all small bore drill holes. The key to its high maneuverability is in the kinematics of the new mast and mast support system which make it easy to set-up even in the most confined sites. The control panels and supports have been carefully engineered for comfort and good all-round operator visibility. A model of efficiency and performance, the M9-1 with its new, powerful, diesel engine and high capacity hydraulics, can be tailored to the individual needs of the contractor. Built safe is manufactured to comply requirements on quality. Safety features include a number of emergency stop devices and protective barriers to all moving parts.

La M9-1 perforatrice idraulica rappresenta un altro passo in avanti nella nostra produzione delle migliori perforatrici al mondo. Questa macchina risulta essere leggera versatile e particolarmente indicata per lavori di ancoraggio. Dispone di un arco di movimentazioni che permette all'operatore di ottenere sempre la posizione ideale anche in cantieri con spazi angusti. I comandi sono servo assistiti idraulicamente e montati su di un braccio orientabile snodato. La loro distribuzione è stata studiata accuratamente per una facile individuazione delle operazioni eseguibili. L'efficienza della perforatrice M9-1, con un nuovo motore e elevate prestazioni idrauliche, deriva innanzitutto dalla modularità dei componenti con cui, in funzione delle varie esigenze, viene attrezzata. Progettata tenendo conto della sicurezza dell'operatore, dotandola di protezioni in tutte le sue parti in movimento e di dispositivi di sicurezza.

casco...nde





TECHNICAL SPECIFICATIONS

DATI TECNICI



UNDERCARRIAGE

Overall width of undercarriage	2500 mm
Track shoes width	500 mm
Overall track length	3235 mm
Travel speed	0 ÷ 1,8 km/h
Max. gradeability	20°
Ground pressure	75 kPa
Oscillating tracks	+13° / -10°

CARATTERISTICHE CARRO

Larghezza sottocarro	2500 mm
Larghezza pattini	500 mm
Lunghezza cingoli	3235 mm
Velocità di traslazione	0 ÷ 1,8 km/h
Pendenza max. superabile	20°
Pressione specifica al suolo	75 kPa
Oscillazione cingoli	+13° / -10°

ENGINE

Model	
Rated power at 2300 rpm	147 kW
Fuel tank capacity	200 l
Hydraulic oil tank capacity	700 l

MOTORE

Modello	TCD 2012 L06 2V (EPA/COM III)		
Potenza a 2300 giri	147 kW		
Capacità serbatoio gasolio	200 l		
Capacità serbatoio olio idraulico	700 l		

DEUTZ

MAST

Mast length	6300 mm	8400 mm
Stroke of rotary head	4400 mm	6500 mm
Extraction force	85 kN	85 kN
Crowd force	50 kN	50 kN

MAST

Lunghezza mast	6300 mm	8400 mm
Corsa testa di rotazione	4400 mm	6500 mm
Forza di estrazione	85 kN	85 kN
Spinta sull'utensile	50 kN	50 kN

4400 6500

CLAMPS

Diameter	40 ÷ 254 mm	60 ÷ 305 mm	90 ÷ 406 mm
Clamping force	145 kN	250 kN	250 kN

MORSE

Diametro	40 ÷ 254 mm	60 ÷ 305 mm	90 ÷ 406 mm
Forza di chiusura	145 kN	250 kN	250 kN

M2Z/M2SZ M4/M4S M5/M5S

ROTARY HEAD

Max. torque	20000 Nm	30000 Nm	55000 Nm
Max. speed	215 rpm	160 rpm	50 rpm

TESTA DI ROTAZIONE

Coppia max.	20000 Nm	30000 Nm	55000 Nm
Giri max.	215 rpm	160 rpm	50 rpm

T2500 T3000 T5000

DIMENSIONS AND WEIGHT

Length	8545 mm	9707 mm
Width	2500 mm	2500 mm
Height	2850 mm	2850 mm
Weight of rig*	~ 18000 kg	~ 18500 kg

INGOMBRI E PESO

Lunghezza	8545 mm	9707 mm
Larghezza	2500 mm	2500 mm
Altezza	2850 mm	2850 mm
Peso attrezzatura*	~ 18000 kg	~ 18500 kg

A B

* Depending on mounted equipment

* Dipende dall'allestimento montato

OPTIONALS

OPZIONI

Casagrande hammer D21	Martello Casagrande D21
Other rotary heads and hammers on request	Altre teste e martelli su richiesta
Hydraulic chuck P114 / P200	Mandrino P114 / P200
Sliding breaking unit clamp	Morsa scorrevole
2-rods loader - max. 140 mm	Caricatore 2 aste - max. 140 mm
Rod carousel for 7 rods - only vertical use	Caricatore 7 aste - uso verticale
A2 type hydraulic service winch, line pull 20 kN	Argano di servizio A2, tiro 20 kN
Rear stabilizers	Stabilizzatori posteriori
Hydraulically operated rotation for control panel	Rotazione idraulica del pulpito
15 m lattice extension for jet grouting	Prolunga tralicciata 15 m per jet grouting
Cathead extension L = 2,5 m	Prolunga falchetto L = 2,5 m
Service crane available: 245 kg at 7,45 m	Gru di servizio: 245 kg a 7,45 m
Screw pump for foam flushing type NG530L: 24 bar - 170 l/min	Pompa a vite per fango tipo NG530L: 24 bar - 170 l/min
Foam pump type C35: 50 bar - 30 l/min	Pompa schiumogeni tipo C35: 50 bar - 30 l/min
Trilobed pump type B24: 40 bar - 200 l/min	Pompa a tre lobi tipo B24: 40 bar - 200 l/min



DIMENSIONS

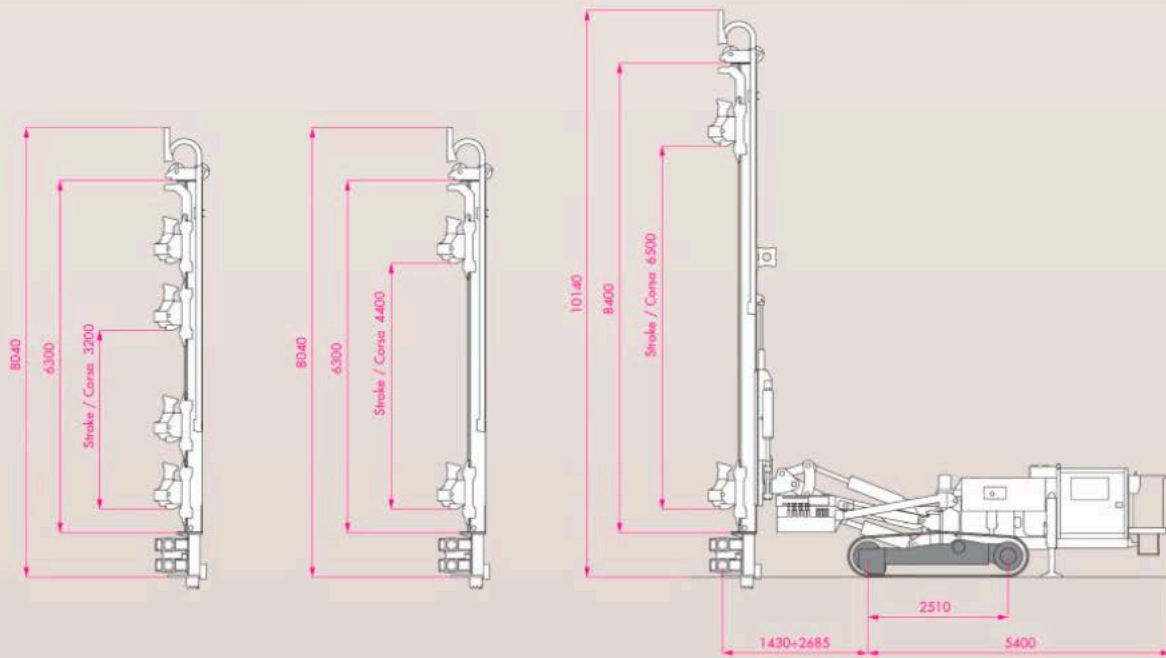
DIMENSIONI

M9-1
HYDRAULIC CRAWLER DRILL

MAST 6300/4400
DOUBLE ROTARY HEAD
DOPPIA TESTA

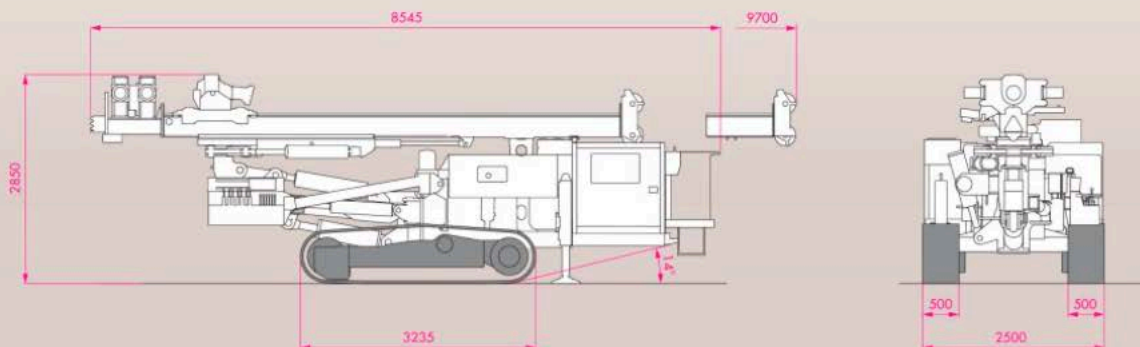
MAST 6300/4400
CYLINDER FEED
CILINDRO

MAST 8400/6500
CYLINDER FEED
CILINDRO



TRANSPORT DIMENSIONS

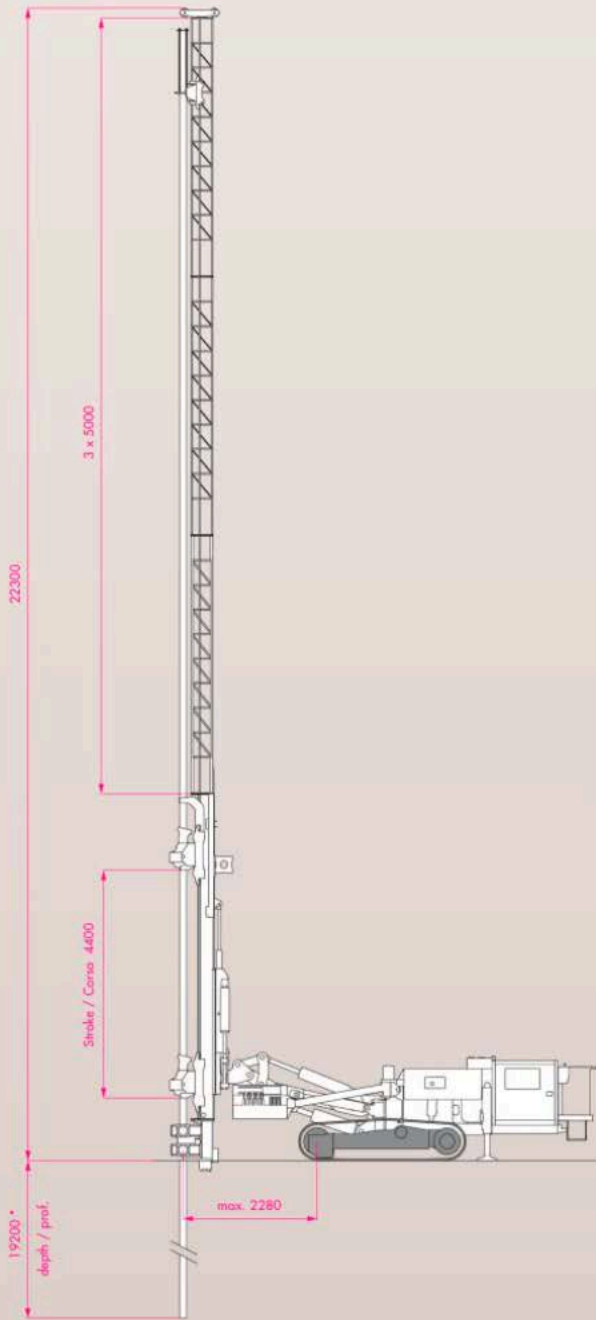
DIMENSIONI DI TRASPORTO





JET GROUTING ARRANGEMENT

ALLESTIMENTO JET GROUTING



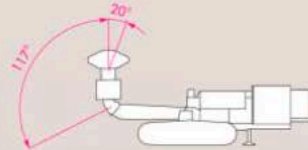
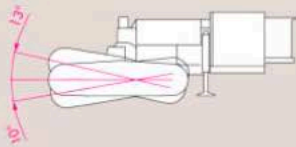
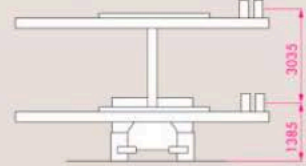
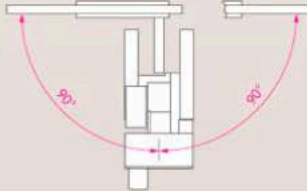
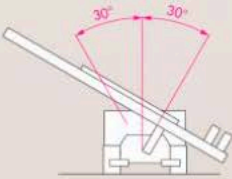
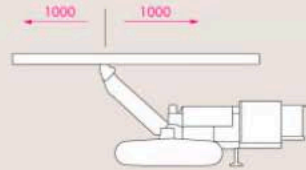
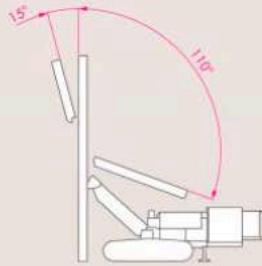
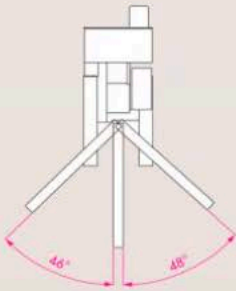
* Without jib / Senza falchetto



MAST MOVEMENTS

MOVIMENTAZIONI MAST

M9-1
HYDRAULIC CRAWLER DRILL





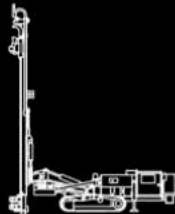
CASAGRANDE CRAWLER DRILLS RANGE



C4XP



C6XP



M9-1



C7



C8XP



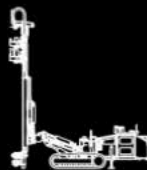
HBR 203



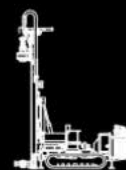
HBR 502-2



HBR 504



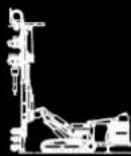
HBR 605



HBR 205MP



HBR 609



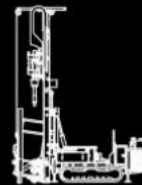
HBR 504GT



HBR 605GT



HBR 204GT



HBR 205GT

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.



casagrande

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