



# COMACCHIO

## DRILLING HI-TECH

PERFORATRICE  
IDRAULICA

HYDRAULIC  
DRILL RIG

FOREUSE  
HYDRAULIQUE

HYDRAULISCHE  
BOHRMASCHINE

MC-F 04





# MC-F 04

## Perforatrice Idraulica - Hydraulic drill rig

### Foreuse Hydraulique

### Hydraulische Bohrmaschine



La **MC-F 04** è una perforatrice idraulica cingolata di elevate prestazioni in grado di operare tutti i sistemi di perforazione del tipo a rotazione e/o rotopercussione, idonea per l'esecuzione di opere specializzate di ingegneria civile quali micropali, ancoraggi, jet grouting, consolidamenti in genere.



**MC-F 04** is an hydraulic crawler-mounted drill rig of excellent performance able to operate all rotary and/or rotary percussive drilling systems. The machine is suitable for specialized works of civil engineering such as micropiles, anchors and ground consolidations.



**MC-F 04** est une foreuse hydraulique sur chenilles avec des performances excellentes et capable d'exécuter tout type de forage à rotation et/ou rotopercussion, indiquée pour la réalisation d'œuvres spécialisées d'ingénierie civile comme micropieux, ancrages, opérations de confortement.



Das Bohrgerät **MC-F 04** ist ein Hochleistungs-Raupenbohrgerät, geeignet für alle Bohrsysteme mit Dreh- und/oder Schlagbohren. Die Maschine kann für die Ausführung von Spezialtiefbauarbeiten wie Mikropfähle, Verankerungen und Bodenbefestigungsarbeiten eingesetzt werden.





MC-F 04

# Dati Tecnici - Technical Data

## Caractéristiques Techniques

### Technische Daten

| <b>Carro cingolato</b>    | <b>Undercarriage</b>  | <b>Chariot chenille</b>   | <b>Fahrwerk</b>                    |                                    |                          |
|---------------------------|-----------------------|---------------------------|------------------------------------|------------------------------------|--------------------------|
| Passo cingolo             | Wheel base            | Enpattement               | Fahrwerk                           | <b>2.600 mm</b>                    | <b>8,5 ft</b>            |
| Larghezza max.            | Max width             | Largeur max.              | Gesamtbreite                       | <b>2.300 mm</b>                    | <b>7,6 ft</b>            |
| Larghezza suole           | Pad width             | Largeur patins            | Fussbreite                         | <b>450 mm</b>                      | <b>17,7 in</b>           |
| Pendenza max.             | Max. climbing ability | Pente max.                | Steigfähigkeit max.                | <b>50 %</b>                        |                          |
| Velocità max.             | Max. speed            | Vitesse max.              | Fahrgeschwindigkeit                | <b>2 Km/h</b>                      | <b>1,24 mph</b>          |
| <b>Centrale idraulica</b> | <b>Power pack</b>     | <b>Groupe hydraulique</b> | <b>Hydraulikaggregat</b>           |                                    |                          |
| Motore diesel             | Diesel engine         | Moteur diesel             | Dieselmotor                        | <b>DEUTZ TCD 2013 L04 2V</b>       |                          |
| Potenza motore            | Engine power          | Puissance moteur          | Antriebsleistung                   | <b>126 Kw (171 HP) / 2.300 rpm</b> |                          |
| Pompa principale          | Main pump             | Pompe principale          | Hydraulische Leistung              | <b>2x160 lt/min</b>                | <b>2x42,3 gal/min.</b>   |
| Serbatoio olio            | Oil tank              | Réservoir huile           | Öltank                             | <b>600 lt.</b>                     | <b>158 gal</b>           |
| Serbatoio gasolio         | Fuel tank             | Réservoir diesel          | Dieseltank                         | <b>180 lt.</b>                     | <b>47,5 gal</b>          |
| <b>Mast</b>               | <b>Mast</b>           | <b>Mat</b>                | <b>Lafette</b>                     |                                    |                          |
| <b>Corsa utile</b>        | <b>Feed stroke</b>    | <b>Course utile</b>       | <b>Vorschub</b>                    |                                    |                          |
| - Testa singola           | - Single head         | - Tête de rotation simple | - Einzeldrehkopf                   | <b>4.300/6.800 mm</b>              | <b>14,1/22,2 ft</b>      |
| - Doppia testa            | - Double head         | - Double tête             | - Doppelkopfanlage                 | <b>3.100/5.600 mm</b>              | <b>10,1/18,3 ft</b>      |
| Lunghezza totale          | Total length          | Longueur totale           | Gesamtlänge                        | <b>6.380/8.860 mm</b>              | <b>20,9/19,1 ft</b>      |
| Forza di spinta           | Feed force            | Poussée                   | Vorschubkraft                      | <b>6.000 daN</b>                   | <b>13,488 lbs</b>        |
| Forza di tiro             | Retract force         | Traction                  | Rückzugskraft                      | <b>6.000 daN</b>                   | <b>13,488 lbs</b>        |
| <b>Testa di rotazione</b> | <b>Rotary head</b>    | <b>Tête de rotation</b>   | <b>Drehkopf</b>                    |                                    |                          |
| Marce                     | Gears                 | Vitesses                  | Schaltstufe                        | <b>6</b>                           |                          |
| Coppia max.               | Max torque            | Couple max.               | Drehmoment max.                    | <b>1.230 daNm</b>                  | <b>9,072 lb*ft</b>       |
| Giri max.                 | Max speed             | Vitesse max.              | Drehzahl max.                      | <b>310 rpm</b>                     |                          |
| Passaggio testa           | Head passage          | Passage tête              | Drehkopfdurchgang                  | <b>92 mm</b>                       | <b>3,5 in</b>            |
| Passaggio girevole        | Swivel passage        | Passage joint tournant    | Spülkopfdurchgang                  | <b>2"</b>                          |                          |
| <b>Doppia testa</b>       | <b>Double head</b>    | <b>Double tête</b>        | <b>Doppelkopf</b>                  |                                    |                          |
| Rotazione-rotazione       | Rotary-rotary         | Rotation-rotation         | Drehen-Drehen                      | <b>RH1700&amp;CT35A</b>            |                          |
| <b>Morse</b>              | <b>Clamps</b>         | <b>Mors</b>               | <b>Klemm- und Brechvorrichtung</b> |                                    |                          |
| Diametro min. di presa    | Min. handing          | Tige/diamètre min.        | Durchmesser min.                   | <b>45 mm</b>                       | <b>1,8 in</b>            |
| Diametro max. di presa    | Max. handing          | Tige/diamètre max.        | Durchmesser max.                   | <b>300 mm</b>                      | <b>11,8 in</b>           |
| Forza di chiusura         | Clamping force        | Force de serrage          | Klemmkraft                         | <b>180 KN</b>                      | <b>40,460 lbs</b>        |
| Coppia svitaggio          | Breaking torque       | Couple de deserrage       | Brechvorrichtung                   | <b>1.500 daNm</b>                  | <b>11,063 lb*ft</b>      |
| <b>Argano</b>             | <b>Winch</b>          | <b>Treuil</b>             | <b>Seilwinde</b>                   |                                    |                          |
| Tiro max.                 | Max line pull         | Force de levage           | max. Zugkraft                      | <b>2.000 daN</b>                   | <b>4,496 lbs</b>         |
| Capacità fune             | Drum capacity         | Câble au tambour          | Seillänge                          | <b>50 mt.</b>                      | <b>164 ft</b>            |
| Velocità fune             | Rope speed            | Vitesse au retrait        | Seilgeschwindigkeit                | <b>30 mt./min.</b>                 | <b>98 ft/min</b>         |
| Diametro fune             | Rope diameter         | Diamètre du câble         | Seildurchmesser                    | <b>10 mm</b>                       | <b>0,39 in</b>           |
| <b>Ingombri</b>           | <b>Dimensions</b>     | <b>Dimensions</b>         | <b>Aussenabmessungen</b>           |                                    |                          |
| Lunghezza                 | Length                | Longueur                  | Länge                              | <b>10.000 mm</b>                   | <b>32,8 ft</b>           |
| Larghezza                 | Width                 | Largeur                   | Breite                             | <b>2.300 mm</b>                    | <b>7,6 ft</b>            |
| Altezza                   | Height                | Hauteur                   | Höhe                               | <b>2.860 mm</b>                    | <b>9,4 ft</b>            |
| <b>Peso</b>               | <b>Weight</b>         | <b>Poids</b>              | <b>Gewicht</b>                     | <b>16.000-17.000 Kg</b>            | <b>32,000-44,000 lbs</b> |





# MC-F 04

## Dati Tecnici - Technical Data Caractéristiques Techniques Technische Daten

|         | Marce<br>Gears<br>Vitesses<br>Schaltstufe | Coppia max<br>Max torque<br>Couple max<br>Drehmoment max.     | Giri max.<br>Max speed<br>Vitesse max.<br>Drehzahl max. (rpm) | Energia battuta<br>Impact energy<br>Energie par coups<br>Einzelschlagenergie (Nm) | Frequenza<br>Frequency<br>Fréquence<br>Schlagfrequenz (min ) |
|---------|-------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|
| RH 1700 | 3                                         | 870-1,200-1,680 daNm<br>6,416-8,850-12,391 lb* <sup>2</sup> f | 166-120-86                                                    | —                                                                                 | —                                                            |
| CT35A   | 3                                         | 580-720-900 daNm<br>4,278-5,310-6,638 lb* <sup>2</sup> f      | 110-90-70                                                     | —                                                                                 | —                                                            |



## Opzioni ed Accessori - Options and Accessories Options et Accessoires - Optionen und Zubehör

|                           |                        |                                 |                           |            |             |
|---------------------------|------------------------|---------------------------------|---------------------------|------------|-------------|
| Martello idraulico        | Hydraulic dritter      | Marteau hydraulique             | Hydraulikhammer           |            |             |
| Doppia testa              | Double hear            | Double tête                     | Doppelkopf                |            |             |
| Morsa doppia              | Double clamp           | Groupe mors double              | Doppelklemme              | Ø 300 mm   | 11,8 in     |
| Carrello estrattore       | Casing extractor       | Extracteur hydraulique          | Rückzugsvorrichtung       |            |             |
| Angano idraulico          | Hydraulic winch        | Treuil hydraulique              | Hydraulische Seilwinde    |            |             |
| Pompa schiumogeno         | Foam pump              | Pompe à mousse                  | Schaumpumpe               | 20 lt/min  | 5,3 gal/min |
| Pompa triplex             | Triplex pump           | Pompe triplex à pistons         | Triplexpumpe              | 200 lt/min | 53 gal/min  |
| Lubrificatore di linea    | D.T.H. lubricator      | Graisseur de ligne              | Linienöler                |            |             |
| Mandrino idraulico        | Hydraulic chuck        | Chuck hydraulique               | Hydraulischer Spannkopf   |            |             |
| Timer per jet grouting    | Timer for jet grouting | Temporisateur pour jet grouting | Schnittsteuerung für HDBV |            |             |
| Prolunga per jet grouting | Jet grouting extension | Rallonge pour jet grouting      | Mastverlängerung für HDBV | 3x5.000 mm | 3x16,4 ft   |
| Caricatore aste           | Rod carousel           | Chargeur de tiges               | Bohrgestänge-Lader        |            |             |



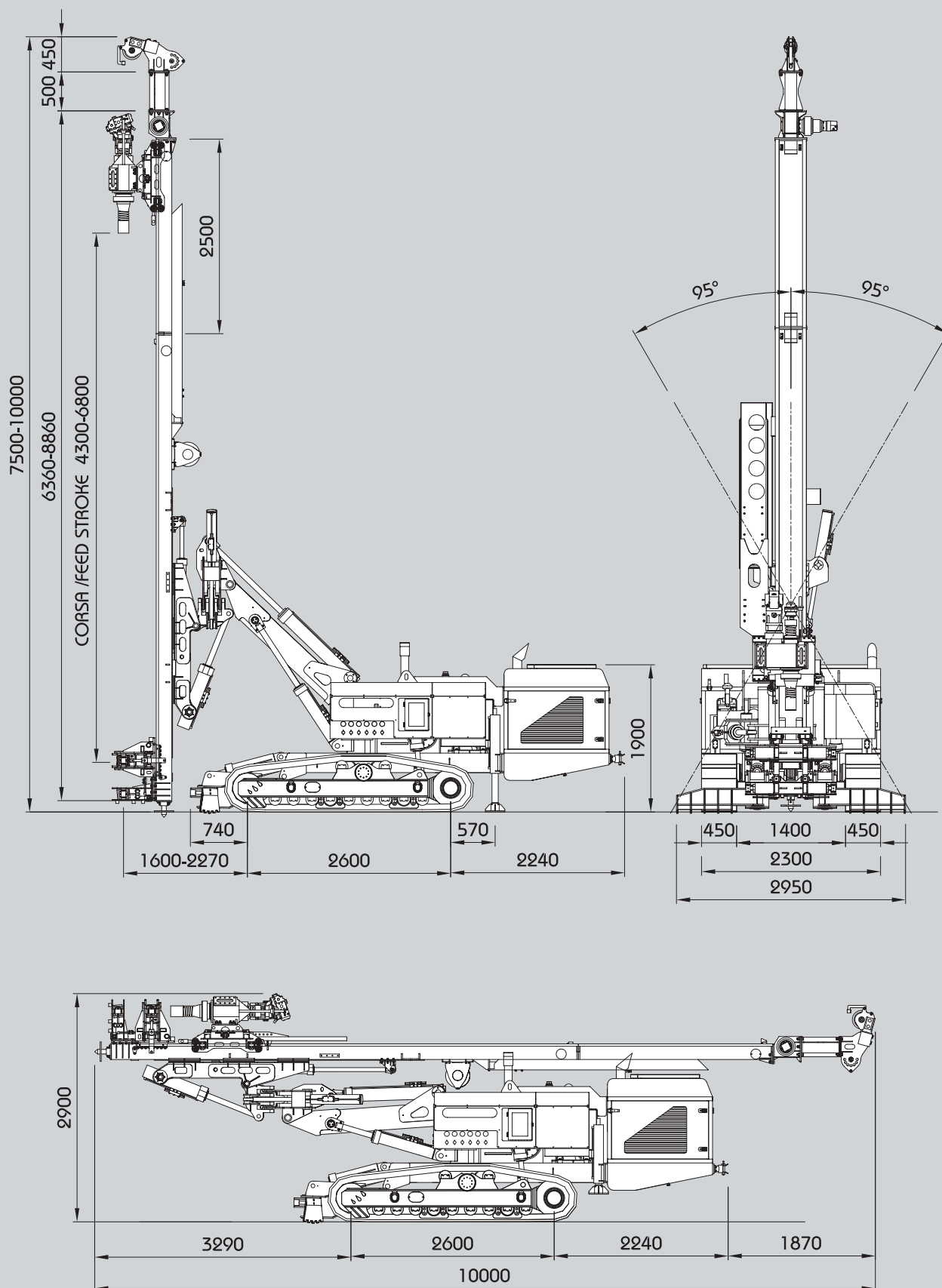


# MC-F 04

Dimensioni di ingombro

Overall dimensions

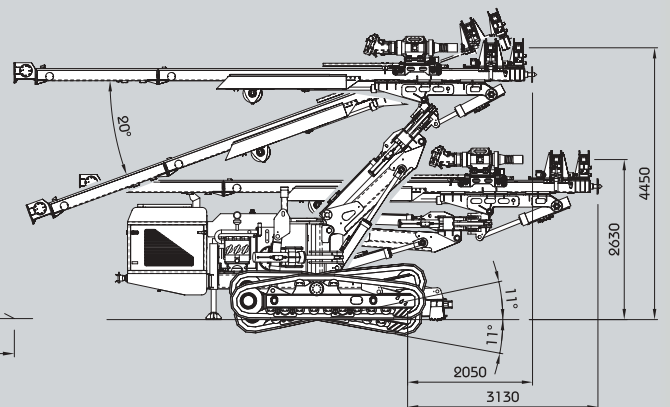
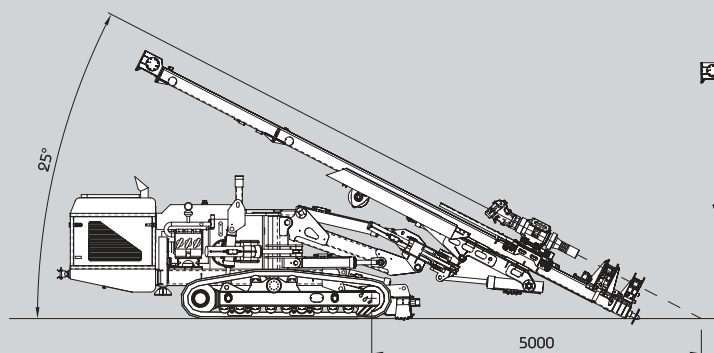
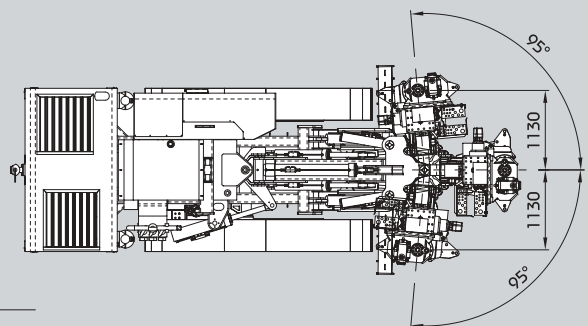
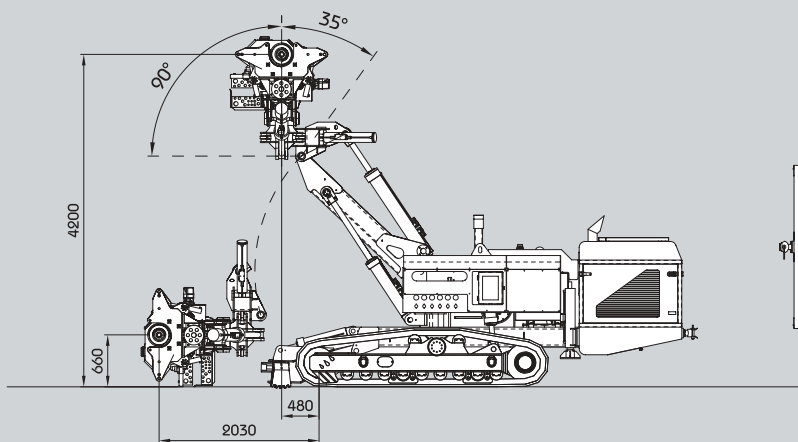
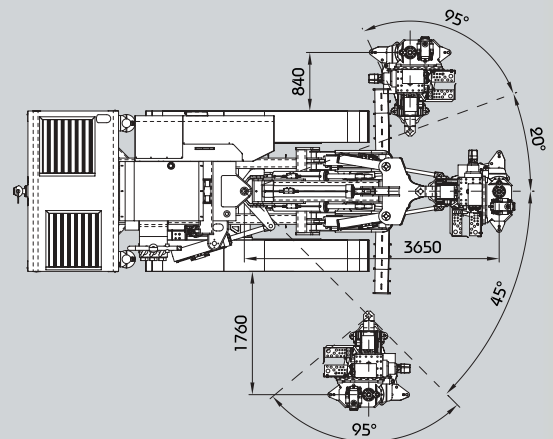
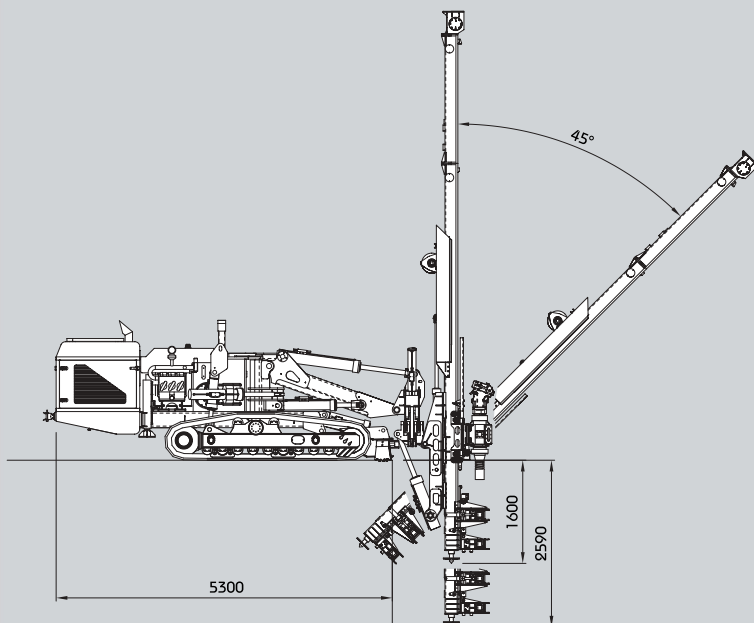
Dimensions - Aussenabmessungen





# MC-F 04

Movimenti Mast - Mast Movements  
Cinématique du Bras  
Volle Gelenkmöglichkeit



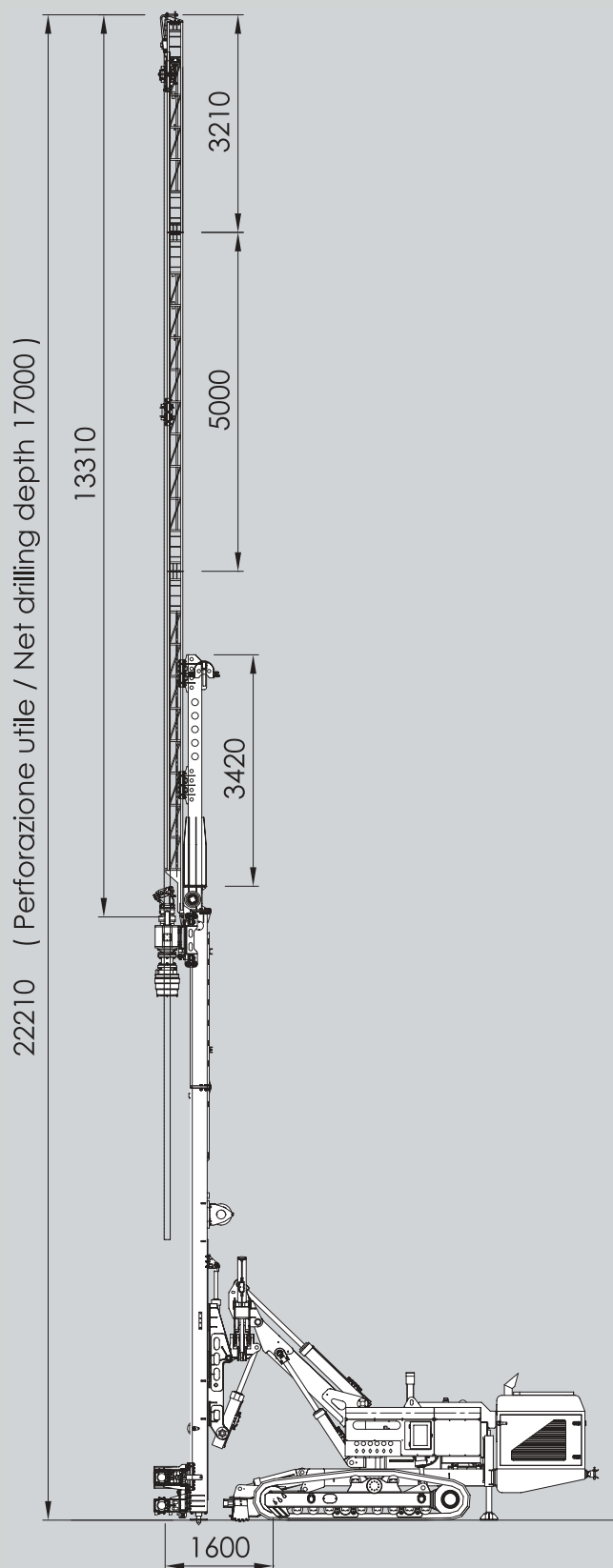


MC-F 04

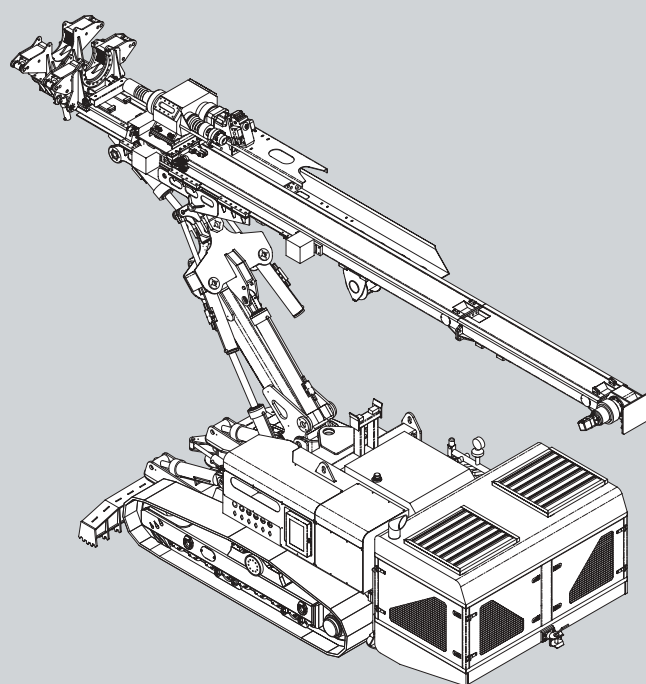
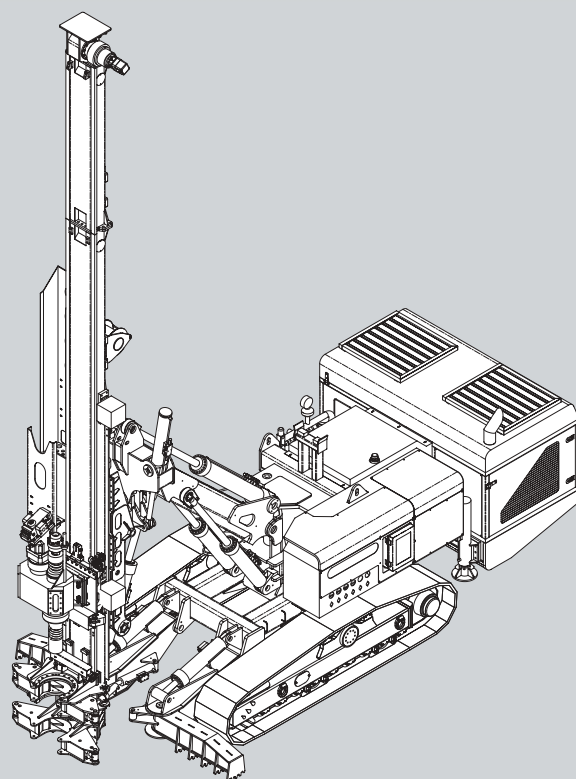
Movimenti Mast - Mast Movements

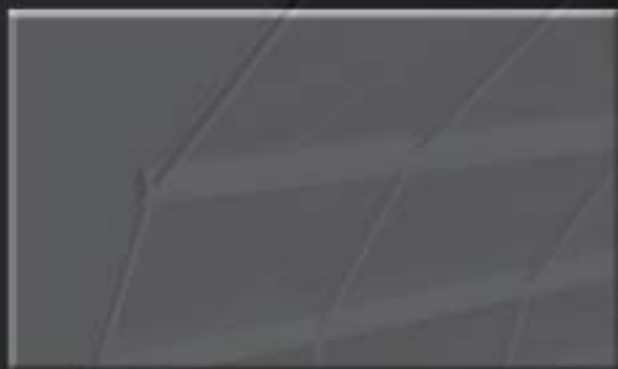
Cinématique du Bras

Volle Gelenkmöglichkeit



JET GROUTING CONFIGURATION





I dati tecnici riportati sono indicativi, la COMACCHIO si riserva il diritto di modificarli opportunamente senza preavviso.

Specifications shown are only indicative COMACCHIO reserves the right to alter them if necessary without prior notice.

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Die angegebenen technischen Daten sind richtungsweisend. Die firma COMACCHIO behält sich das Recht vor, sie im Bedarfsfall ohne Vorankündigung zu ändern.

Comacchio s.r.l.