

# MC 28 HD



## *High Tech Line*



**COMACCHIO**

DRILLING HI-TECH

Perforatrice idraulica  
Hydraulic drill rig  
Foreuse hydraulique  
Hydraulisches Bohrgerät

# MC 28 HD



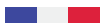
## Heavy duty

Nata come versione "heavy duty" della **MC 28**, la **MC 28 HD** è una perforatrice potente e compatta, in grado di affrontare lavorazioni molto gravose come le perforazioni di grosso diametro con l'utilizzo di sistemi a doppia testa. Il carro rinforzato a larghezza variabile le garantisce la stabilità necessaria durante tutte le fasi di lavorazione, mentre l'articolazione del mast le consente di operare in tutte le posizioni richieste per l'esecuzione di micropali e ancoraggi, comprese quelle front the wall. La macchina può essere dotata di una vasta scelta di teste di rotazione, martelli idraulici, sistemi doppia testa, pompe acqua e fanghi, ed è in grado di operare ogni tipo di perforazione a rotazione o roto-percussione. Come tutte le macchine **Comacchio**, la **MC 28 HD** può essere personalizzata in base alle specifiche esigenze.



## Heavy duty

Developed as the heavy duty version of the **MC 28**, the **MC 28 HD** is a very compact yet powerful drill rig. It is the ultimate solution to take heavy works such as large diameter drilling using double head systems. Its reinforced variable width undercarriage guarantees the necessary stability during operation, while the innovative mast articulation system supports an infinite number of vertical through to horizontal mast positions for the construction of micropiles and anchors, including front-the-wall positions. Available with a wide selection of rotary heads, hydraulic hammers, double head systems, water/mud pumps and winches. The **MC 28 HD** is suitable for any type of rotary and rotary-percussive drilling. Like all **Comacchio** machines, the **MC 28 HD** can be customized according to specific needs.



## Heavy duty

Créée comme version heavy duty de la **MC 28**, la **MC 28 HD** est une foreuse compacte et puissante. Elle est la solution optimale pour faire face aux travaux exceptionnellement difficiles, en particulier les forages de gros diamètre avec système double-têtes. Le chenillard renforcé de largeur variable lui garantit la stabilité nécessaire lors des phases de travail. L'articulation brevetée du mât lui permet d'opérer dans toutes les positions requises pour l'exécution des micropieux et des ancrages, y compris celles le long du mur (front-the-wall). La machine peut être équipée d'un large choix de têtes de rotation, marteaux hydrauliques, systèmes double-têtes, pompes à eau et à boue, lui permettant d'effectuer tous types de forage en rotation ou roto-percussion. Comme toutes les machines **Comacchio**, la **MC 28 HD** peut être personnalisée selon les besoins du client.



## Heavy duty

Als heavy duty Version der **MC 28**, ist die **MC 28 HD** ein kompaktes und sehr leistungsfähiges Bohrgerät. Es ist die optimale Lösung, wenn es um besonders schwere Arbeit geht, und insbesondere bei Großbohrlochbohrungen mit dem Doppelkopfsystem. Das serienmäßige Teleskop-Fahrwerk sichert die notwendige Stabilität in allen Arbeitsphasen. Durch die patentierte Mastkinematik sind sämtliche Bohrpositionen möglich, sowohl bei Mikropfahl- als auch bei Ankerbohrungen, u.a. auch in Vor-der-Wand Verhältnissen. Dank einer breiten Zubehörpalette von Drehköpfen, Hydraulikhämmern, Doppelkopfsystemen, Wasser- und Schlammumpen, ist die **MC 28 HD** für sämtliche Bohrarbeiten im Bereich Drehen- oder Drehschlagend einsetzbar. Wie alle **Comacchio** Geräte, kann die **MC 28 HD** den Bedürfnissen des Kunden angepasst werden.





## Dati Tecnici - Technical Data - Caractéristiques Techniques - Technische Daten

| Carro cingolato<br>Undercarriage                     | Chariot chenille<br>Fahrwerk                       |                                           |                            |                            |                            |
|------------------------------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------|----------------------------|----------------------------|
| Passo cingolo<br>Wheel base                          | Enpattement<br>Radstand                            | 3.100 mm / 10.2 ft                        |                            |                            |                            |
| Larghezza max.<br>Max width                          | Largeur max.<br>Gesamtbreite                       | 2.500 - 3.400 mm / 8.2 - 11.2 ft          |                            |                            |                            |
| Larghezza soles<br>Pad width                         | Largeur patins<br>Kettenplattenbreite              | 500 mm / 19.7 in                          |                            |                            |                            |
| Pendenza max.<br>Max. climbing ability               | Pente max.<br>Steigfähigkeit max.                  | 36 %                                      |                            |                            |                            |
| Velocità max.<br>Max. speed                          | Vitesse max.<br>Fahrgeschwindigkeit                | 1,5 km/h / 0.93 mph                       |                            |                            |                            |
| Centrale idraulica<br>Power pack                     | Groupe hydraulique<br>Hydraulikaggregat            | High Tech Line                            |                            |                            |                            |
| Motore diesel<br>Diesel engine                       | Moteur diesel<br>Dieselmotor                       | CATERPILLAR C7.1<br>STEP 4 / TIER 4 FINAL |                            |                            |                            |
| Potenza motore Diesel<br>Diesel Engine power         | Puissance moteur Diesel<br>Diesel Motorleistung    | 205 kW (275 HP) / 2.200 rpm               |                            |                            |                            |
| Serbatoio olio<br>Oil tank                           | Réservoir huile<br>Öltank                          | 500 l / 132,1 gal                         |                            |                            |                            |
| Serbatoio gasolio<br>Fuel tank                       | Réservoir diesel<br>Dieseltank                     | 400 l / 105.6 gal                         |                            |                            |                            |
| Mast<br>Mast                                         | Mât<br>Lafette                                     | 15 Ton                                    |                            |                            |                            |
| Corsa utile testa singola<br>Single head feed stroke | Course utile simple tête<br>Vorschub (Einzelkopf)  | 7.950 - 10.200 mm / 26.1 - 33.5 ft        |                            |                            |                            |
| Corsa utile testa doppia<br>Double head feed stroke  | Course utile double tête<br>Vorschub (Doppelkopf)  | 7.000 - 9.250 mm / 22.9 - 30.3 ft         |                            |                            |                            |
| Lunghezza totale<br>Total length                     | Longueur totale<br>Gesamtlänge                     | 10.380 - 12.630 mm / 34.0 - 41.4 ft       |                            |                            |                            |
| Forza di spinta<br>Feed force                        | Poussée<br>Vorschubkraft                           | 14.000 daN / 31,473 lbs                   |                            |                            |                            |
| Forza di tiro<br>Retract force                       | Traction<br>Rückzugskraft                          | 14.000 daN / 31,473 lbs                   |                            |                            |                            |
| Testa di rotazione<br>Rotary head                    | Tête de rotation<br>Drehkopf                       | Single head                               |                            | Double head                |                            |
| Tipo<br>Type                                         | Type<br>Typ                                        | R3000                                     | R5500                      | R5500                      | R2400-S                    |
| Marce<br>Gears                                       | Vitesses<br>Gänge                                  | 6                                         | 2/4                        | 2/4                        | 3                          |
| Coppia max.<br>Max torque                            | Couple max.<br>Drehmoment max.                     | 2.800 daNm<br>20,625 lb*ft                | 5.500 daNm<br>40,566 lb*ft | 5.500 daNm<br>40,566 lb*ft | 2.325 daNm<br>17,148 lb*ft |
| Giri max.<br>Max speed                               | Vitesse max.<br>Drehzahl max.                      | 210 rpm                                   | 142 rpm                    | 142 rpm                    | 153 rpm                    |
|                                                      |                                                    |                                           |                            | Lower Head                 | Upper Head                 |
| Morse<br>Clamps                                      | Mors<br>Klemm- und Brechvorrichtung                |                                           |                            |                            |                            |
| Diametro min. / max di presa<br>Clamping range       | Tige diamètre min. / max<br>Durchmesser min. / max | 45 - 520 mm / 1.8 - 20.5 in               |                            |                            |                            |
| Forza di chiusura<br>Clamping force                  | Force de serrage<br>Klemmkraft                     | 340 KN / 76,435 lbs                       |                            |                            |                            |
| Coppia svitaggio<br>Breaking torque                  | Couple de deserrage<br>Brechmoment                 | 7.000 daNm / 51,629 lb*ft                 |                            |                            |                            |
| Peso<br>Weight                                       | Poids<br>Gewicht                                   | 29.000 - 30.000 kg / 63,900 - 66,100 lbs  |                            |                            |                            |

# MC 28 HD

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

Morsa doppia / Double clamp  
Double mors / Doppelklemme

Doppia testa / Double head  
Double tête / Doppelkopfanlage

Martello idraulico / Hydraulic drifter  
Tête à rotopercussion / Hydraulikhamme

Argano idraulico / Hydraulic winch  
Treuil hydraulique / Hydraulische Seilwinde

Pompa schiumogeno / Foam pump  
Pompe à mousse / Schaumpumpe

Pompa triplex / Triplex pump  
Pompe triplex / Triplexpumpe

Pompa a vite / Screw pump  
Pompe à vis / Schraubenpumpe

Lubrificatore di linea / D.T.H. lubricator  
Graisseur de ligne / Linienöler

Saldatrice/generatore / Welder unit/generator  
Groupe de soudure / Schweiss- und Stromaggregat

Carrello estrattore / Casing extractor  
Extracteur hydraulique / Schutzrohr-Ausziehvorrichtung

Cuffia fumi / Cuttings diverter  
Déviateur de cuttings / Staubhaube

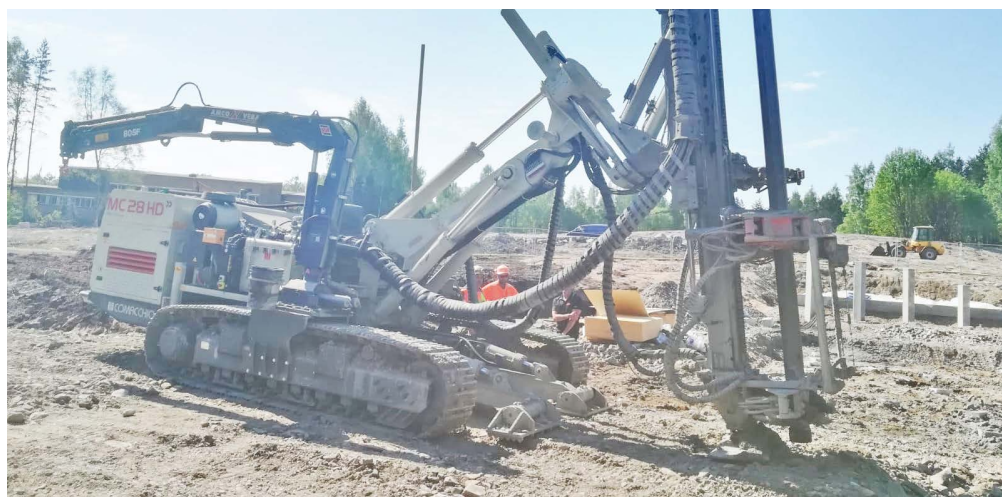
Gru idraulica / Hydraulic crane  
Grue hydraulique / Hydraulikkran

Radiocomando / Remote radio control  
Radiocommande / Funkfernsteuerung

Kit CE / CE marking kit  
Kit CE / CE-Kit

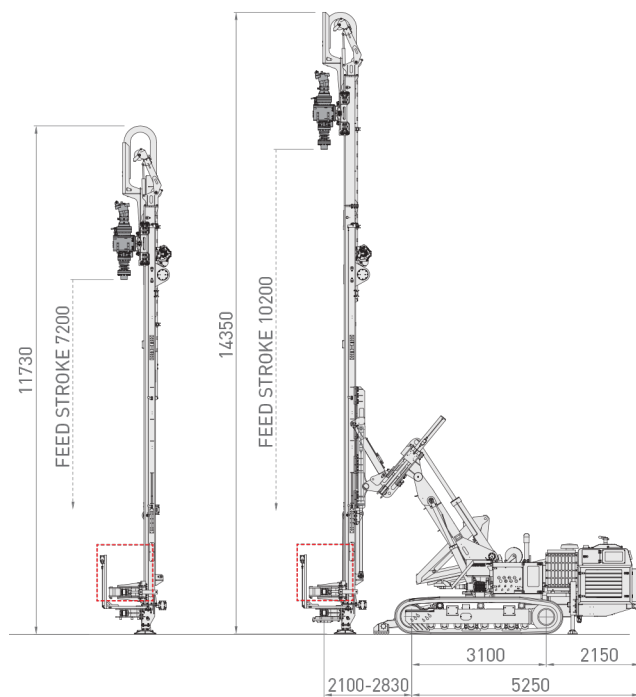


| Caricatore<br>Carousel                       | Chargeur<br>Magazin                         | 10 TON<br>Mast - Mast - Mât - Lafette |                            |
|----------------------------------------------|---------------------------------------------|---------------------------------------|----------------------------|
| N° Aste<br>Rods n.                           | N. Tiges<br>N. Bohrstangen                  | 2                                     | 6                          |
| Diametro min./max aste<br>Rod diameter range | Min./max diam. Tiges<br>Durchmesser min/max | 76 - 168 mm / 2.9 - 6.6 in            | 90 - 140 mm / 3.5 - 5.5 in |
| Lunghezza aste<br>Rod length                 | Longeur Tiges<br>Bohrstangen Länge          | 4.500 - 6.000 mm / 14.7 - 19.6 ft     | 4.500 mm / 14.7 ft         |

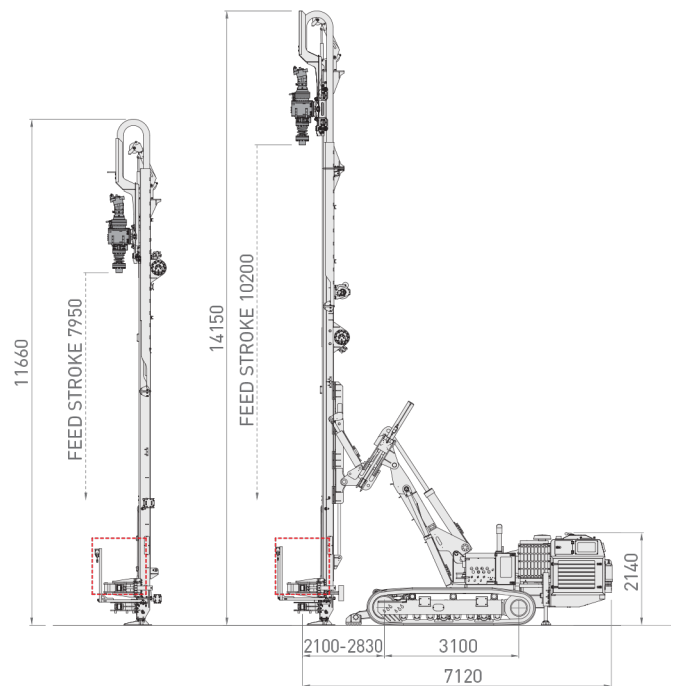


Dimensioni di ingombro (mm) - Overall dimensions (mm) - Dimensions (mm) - Aussenabmessungen (mm)

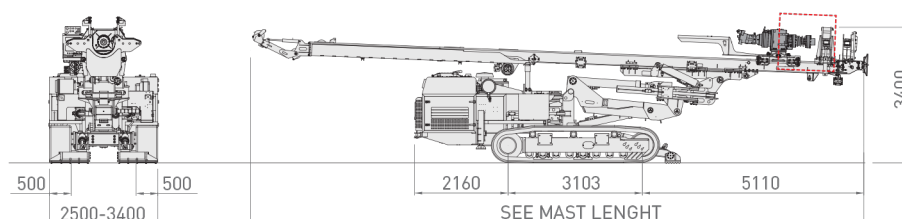
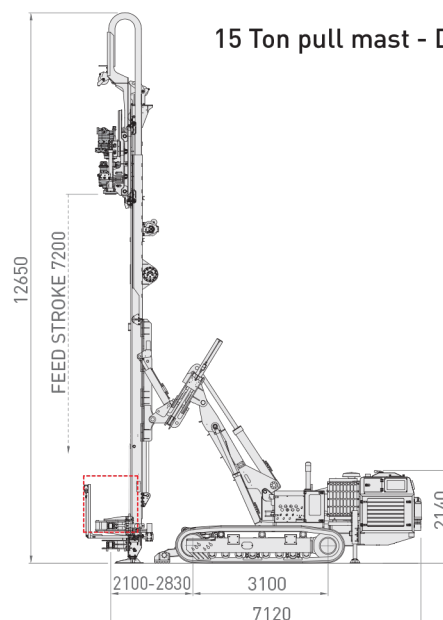
10 Ton pull mast - Single head set-up



15 Ton pull mast - Single head set-up

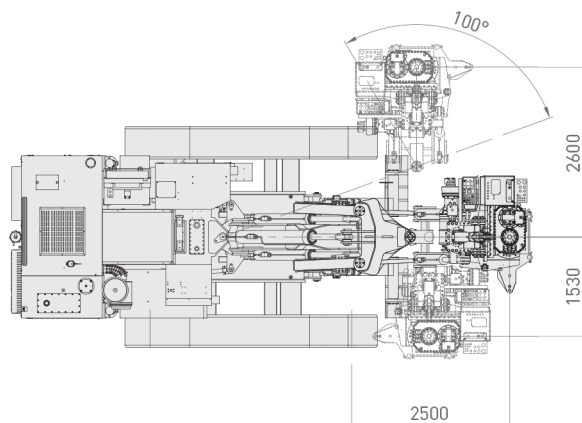
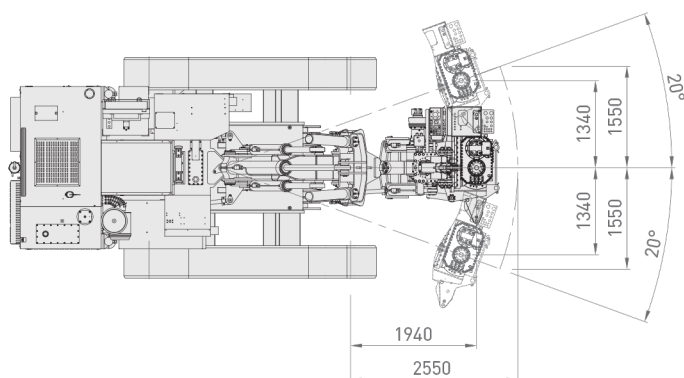
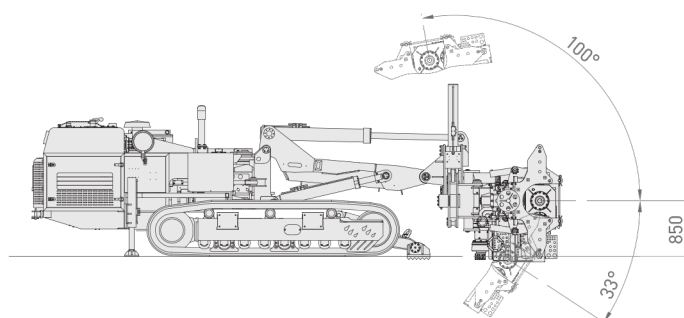
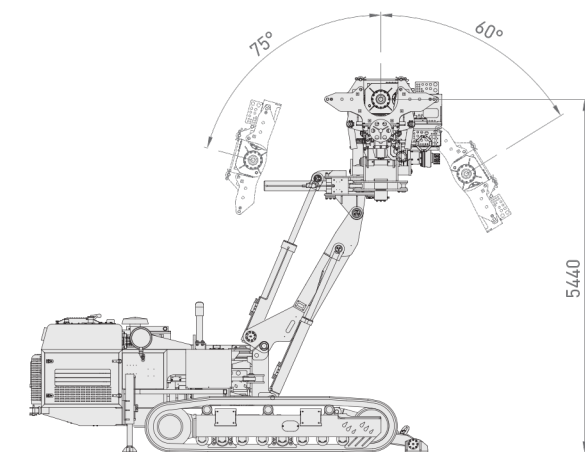
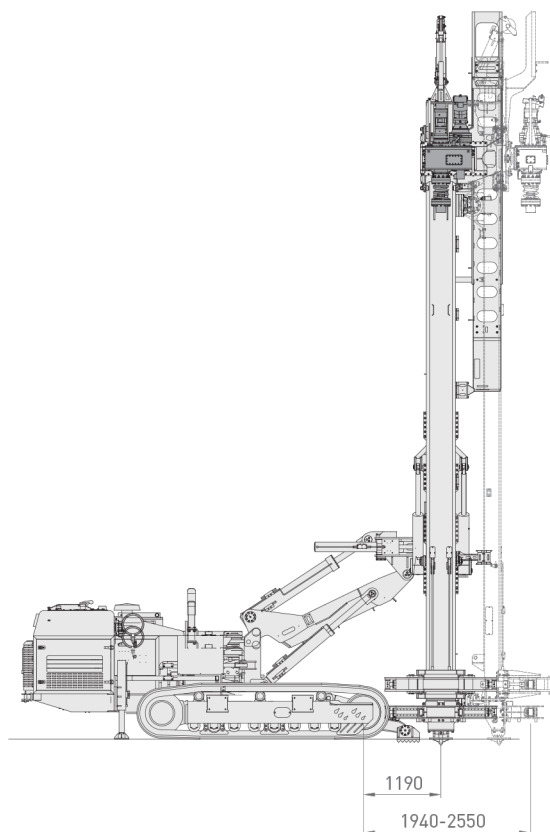


15 Ton pull mast - Double head set-up



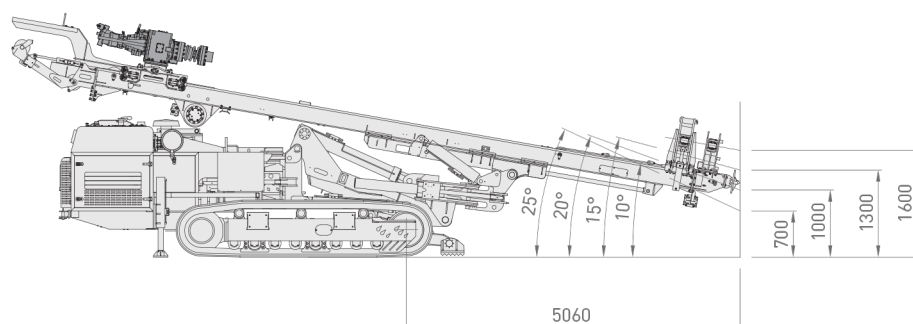
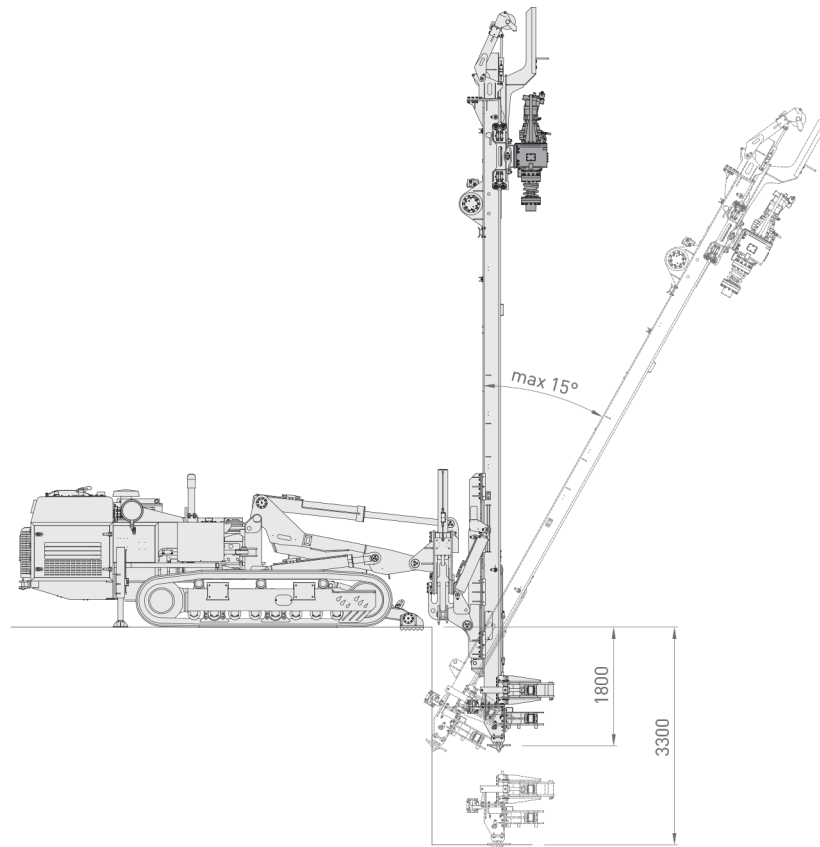
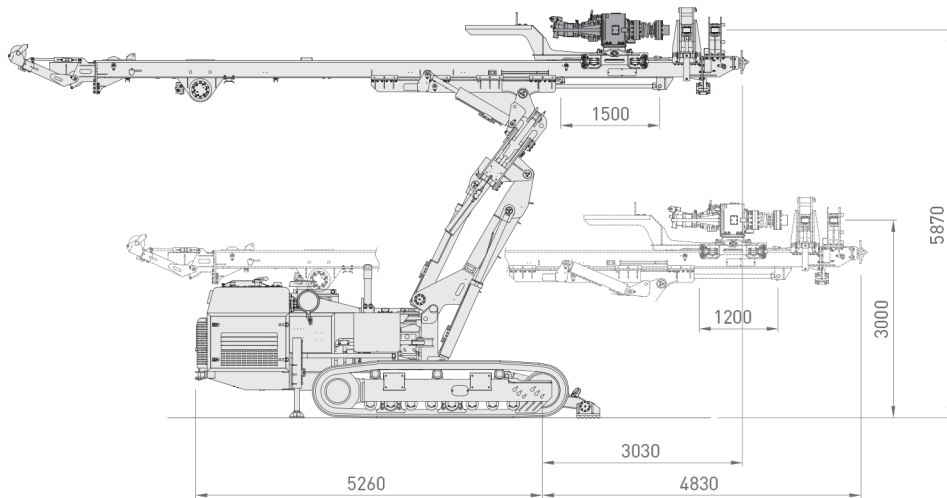
# MC 28 HD

Movimenti Mast (mm) - Mast Movements (mm) - Cinématique du Bras (mm) - Volle Gelenkmöglichkeit (mm)





Movimenti Mast (mm) - Mast Movements (mm) - Cinématique du Bras (mm) - Volle Gelenkmöglichkeit (mm)





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