

Materials Services
Infrastructure

tk Drill Mast DM20.



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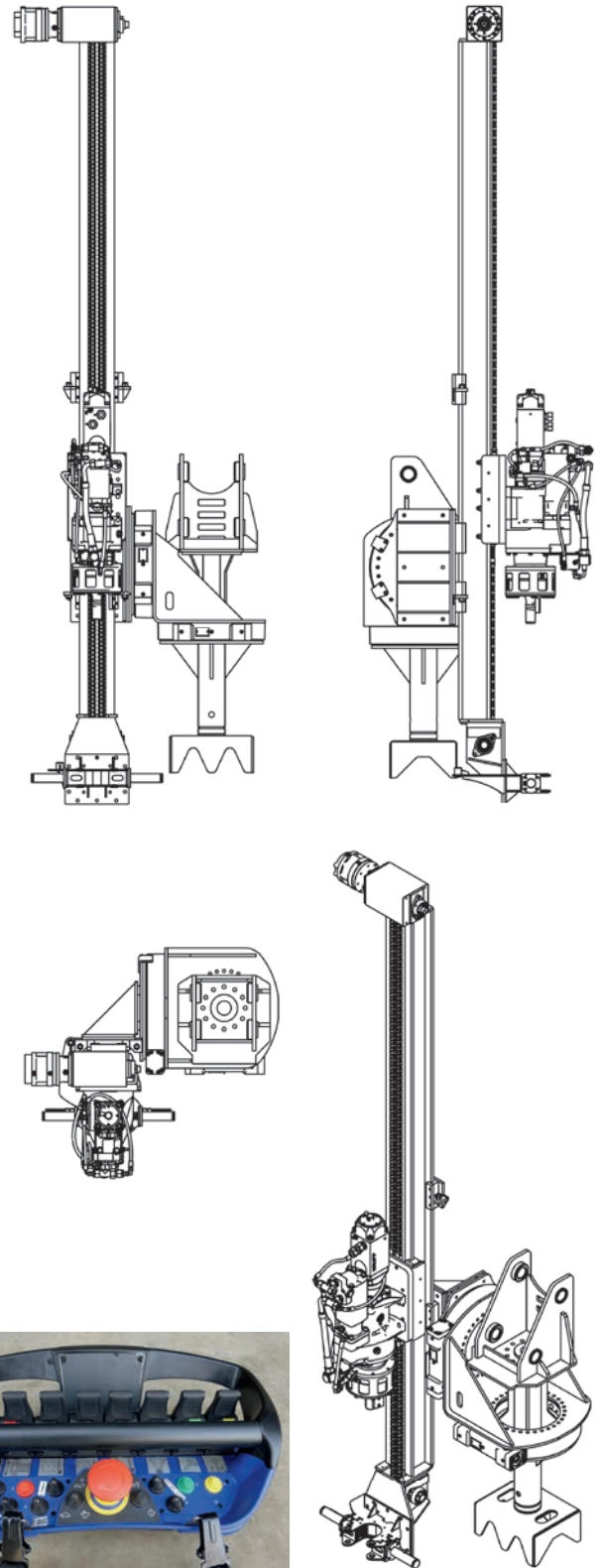
Drill Mast DM20

Best drilling performance in different soil conditions, due to a strong drill mast and different drifters (hammer drills).

- The strong drill mast allows drilling of holes under all angles, from 0° to 90° (from horizontal up to vertical) and as well below excavators.
- The strong mast is especially designed for small and mid-size drifter and rotary head drilling, to be used for single rod drilling, lost bit drilling, micropiles and threaded hollow bar systems.
- The drilling axle is in view of the excavator operator, due to a 90° offset of the mast.
- Optional: drill mast equipped with a KRUPP drifter or a KRUPP rotary head.
- Options: drill mast extension, winch, larger clamping devices, dust collection system above the drill hole, flushing head for water, air and cement suspension.



Main Views





Drill Mast DM20

Drilling length (useful stroke)	3500 mm
Mast length (overall length)	5000 mm
Weight drill mast	approx. 1300 kg
Drilling length with extension (useful stroke)	5500 mm
Mast length with extension (overall length)	7000 mm
Weight drill mast with extension	approx. 1500 kg
Recommended excavator	20 - 30 t
Horizontal rotating system by a hydraulic motor	2 x 90°
Vertical rotating system by a hydraulic motor	2 x 90°
Pull-back force, adjusted to	30 kN
Pull-back speed	0 - 0.3 m/s
Push-down force, adjusted to	30 kN
Push-down speed	0 - 0.3 m/s
Clamping device, range diameter	ø 70 - 135 mm
Clamping and breaking device, range diameter	ø 70 - 135 mm
Clamping force, adjusted to	50 kN
Breaking force, adjusted to	50 kN
Mast movement by a cylinder (up and down)	0 - 500 mm
Winch lift capacity (as option)	900 kg
Winch arm length (as option)	1000 mm
Radio remote control system	wireless and cable

KRUPP Drifter (Hammer Drill) HB20

Weight	220 kg
Torque	max. 4500 Nm (Joule)
Rod diameter	max. 101 mm (4 inch)
Threaded hollow bars (self-drilling anchors)	max. 52 mm (2 inch)
Single Impact Energy	290 Nm (Joule)
Impact rate	3000 bpm (min ⁻¹)
Soil conditions	sand, gravel, clay, hard rock

KRUPP Drifter (Hammer Drill) HB32

Weight	300 kg
Torque	max. 7500 Nm (Joule)
Rod diameter	max. 133 mm (5 inch)
Threaded hollow bars (self-drilling anchors)	max. 73 mm (3 inch)
Single Impact Energy	400 / 340 Nm (Joule)
Impact rate	1800 / 2500 bpm (min ⁻¹)
Soil conditions	sand, gravel, clay, hard rock

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thyssenkrupp Infrastructure GmbH
Alte Liederbacher Str. 6
36304 Alsfeld, Germany
P: +49 6631 781-0
F: +49 6631 781-113
machinery.tkinfrastructure@thyssenkrupp.com
www.thyssenkrupp-infrastructure.com