Klemm 806-3D





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The drilling rig KR 806-3D is the next development of the KR 806 series. With 147 kW engine power and a two circuit load sensing double pump system, the rig is designed for high performance double head units with or without hydraulic drifter.

The double head drilling systems based on the latest standard have the following advantages:

- Counter rotation of outer casing to inner rod
- Minimal deviation
- Controlled extraction of soil
- Low vibration drilling

By fitting different drilling units (hydraulic drifter, rotary heads) a variety of other applications are possible, e.g. anchoring, minipiling, jet grouting and geothermal drilling. The modular concept of base rig and drill mast makes it possible to upgrade them with different useful options. The rig is equipped with an optimised kinematic mast-to-boom link which offers a large range of slewing and mast positioning possibilities. The kinematic enables:

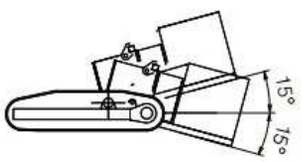
- Drilling at 90° in front of the the tracks and with inclinations of up to 45°
- Drilling parallel to the tracks
- Vertical drilling with tilting function to both sides
- Horizontal drilling in direction of travel and across the tracks to both sides

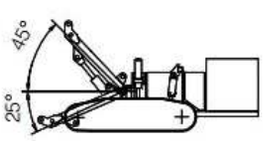
- Drilling Rig with 147 kW engine power
- Two circuit load sensing double pump system
- Designed for high performance double head units
- Suited for the installation of Soil Nails, Ground Anchors & SFA piles
- Optimised kinematic mast-to-boom link
- Complies with the latest emission standard
- Certified by an external German safety organisation (TBG) and has the Eurotest badge
- Versatile and Reliable drilling rig

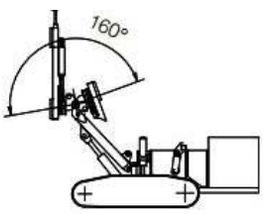
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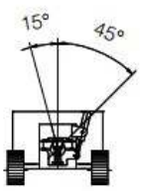
Drilling Positions

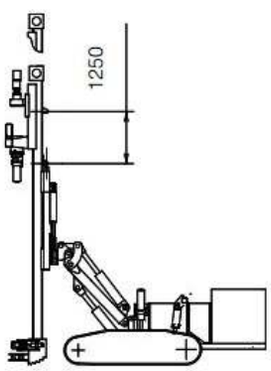
Kinematically possible mast movements. Depending on different configuration deviations are possible.

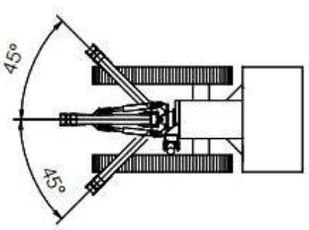


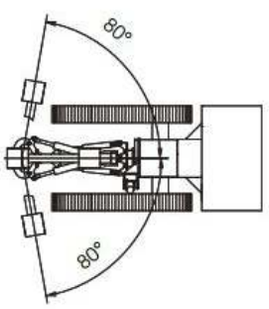


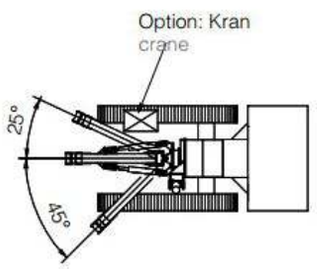












For various drilling operations different double head drilling systems are recommended:

Rotary / Rotary Percussion
- KH 16 / KD 1215R • KH 16 / KD 1011
- KH 32 / KD 1011 • KH 22 / KD 1215R
- KH 32 / KD 1215R

Rotary / Rotary
- KH 13 / KH 9 • KH 16 / KH 9
- KH 32 / KH 13 • KH 27 / KH 9 or KH 13

Technical Data

Engine Type	DEUTZ TCD 2012 L6 2V	
certified	EEC 97/68 EC Stage 3A, USA EPA/CARB TIER 3	
Rated Output	kW	147
Fuel Tank Capacity	l	380
Sound power level LWA_d	dB (A)	111
Hydraulic System		
1st Circuit	l/min	200 load-sensing
2nd Circuit	l/min	200 load-sensing
3rd Circuit	l/min	35,0 konstant
4th Circuit	l/min	20,0 konstant
5th Circuit	l/min	35,0 konstant
Operating Pressure max.	bar	320
Hydr. Oil Tank Capacity	l	630
Crawler Base		**B2**
Tractive Force max.	kN	188
Crawler Speed	km/h	2,0
3-rib Grouser Plates	mm	400
Ground Clearance	mm	350
Ground Pressure	N/cm²	7,9
Drill Mast		**202**
Total Length	mm	6570
Feed Force	kN	100
Retraction Force	kN	100
Feed Rate	m/min	6,0 / 12,0
Retraction Rate	m/min	6,0 / 12,0
Fast Feed Rate	m/min	26,4
Fast Retraction Rate	m/min	52,8
Drill Heads		
Rotary Heads		●
Hydraulic Drifters		●
Double Head Drilling Units		●

Aarsleff Ground Engineering Ltd, is the UK trading arm of Danish contracting giant Per Aarsleff A/S, and is one of the UK's leading piling and geotechnical design and installation specialist contractor; actively promoting early consultation to ensure each scheme can be Value Engineered to give clients the best service, quality design, safety and value. Aarsleff's strategy and philosophy of investment into the future has resulted in its wholly owned subsidiary Centrum Pile Ltd having the most advanced precast pile production facilities in the UK, and an extensive fleet of ground engineering and piling rigs.

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