

Drilling Rigs

Delmag

DELMAG Drilling Rigs. The right drill in every soil

DELMAG has been a specialist manufacturer of drilling rigs for the installation of shoring and foundation piles. A great deal of attention has been paid to an optimal performance with greatest possible reliability and long-live cycle. The existing models are continuously developed and adapted to frequently changing environments.

The current drilling rigs of the RH design are characterized by high performance with relatively small weight and compact transport dimensions. The parallelogram kinematics allow for short set up times with a high flexibility. Due to the rugged design a maximum stability is reached.

Further characteristics are:

- the use of special carriers with telescopic under carriages,
- the use of reversable winch for the crowd function,
- optimized working cycles through modern hydraulic and electronic control system
- perfect positioning of the winches at the leader mast to reduce wear on the cable during the drilling procedure.

Kelly drilling is the most common application.

Applications

Installation of foundation piles and pile walls with different methods as:

- Kelly drilling (with or without casings)
- CFA drilling with continuous flight auger
- Part and full displacement drilling
- Drilling with dual rotary head (DDK)

Further Applications:

- Foundation Piles - drilled piles
- Shoring and retaining walls
- Soil mixture procedures (WSM and DSM)
- Well drilling
- Exploration



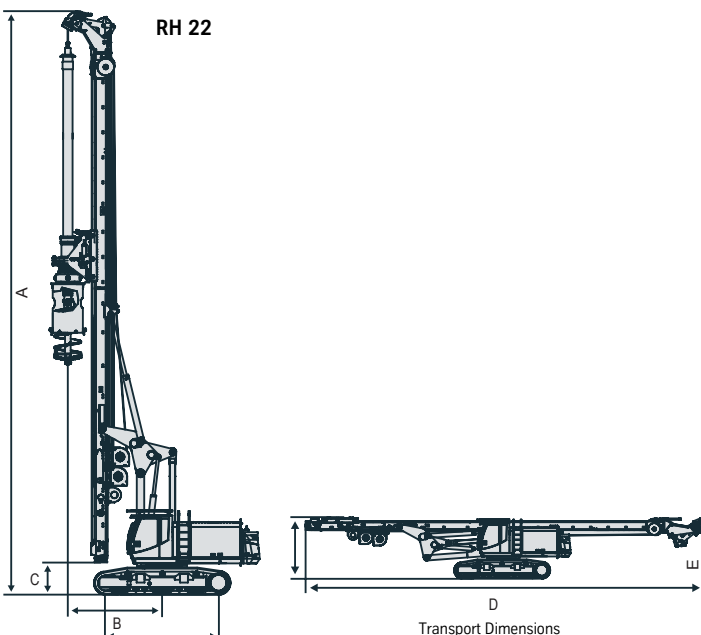
RH26 Kelly drilling without casing

RH32 Kelly drilling with casing

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Technical Specifications		RH 22	RH 28	RH 34
Usable length Stroke (optional)	mm	15700	15000 (17500)	17500
A Total height above ground	mm	22820	23080 (25580)	25620
B Reach		3700 - 4450	3830 - 4700	3800 - 5000
Casing length	mm	6000 *	6000 *	6000 *
free diameter in front of crowd pulleys	mm	1830	1960	2200
MAST				
C Ground clearance, mast foot	mm	1270	1765	1815
Inclination forward/back	Deg.	3,8 / 14	3,8 / 14	3,8 / 14
Inclination right / left	Deg.	9,5 / 9,5	9,5 / 9,5	9,5 / 9,5
Crowd winch				
Force Pull, crowd, max	kN	380 / 300	530 / 420	530 / 420
Speed working, rapid, max.	m/min.	7 / 25	5,5 / 20	5,5 / 28,5
Kelly winch				
Line Pull, max (optional)	kN	190 (150)	265 (210)	320 (250)
Rope speed, max (optional)	m/min.	72	57 (80)	71
Auxilliary winch				
Line pull, max.	kN	100 / 75	100 / 75	125 / 100
Rope speed, max.	m/min.	48	30	30
Transport Weight				
Without Kelly or rotary head	kg	62000	76000 (77000)	83000
Without kelly 3-27, w/o rotary head counter weight	kg	48000	62000 (63000)	69000
Transport Dimensions				
D Length	mm	22100	21970 (24470)	24470
E Height	mm	3400	3660	3700
Width	mm	3000	3300	3500
with Kelly Bar specified		368/3-24	419/3-24	395/3-33

For further technical information, please contact ThyssenKrupp Steelcom 02 9409 1777.



Contact ThyssenKrupp Steelcom for technical specifications of DELMAG products.