

CRAWLER TYPE DEEP FOUNDATION PIT ANCHOR DRILLING RIG

Crawler high-lift anchor drilling rig is a high-efficiency drilling rig developed based on domestic subways, high-rise buildings, airports, ground source heat pumps and other deep foundation pits for anchoring, jet grouting and dewatering.

The corresponding drilling tools are developed and matched to meet the following construction techniques:

1. Three-wing drill bit drilling, use mud pump slaging . Suitable for high-speed drilling in soil, sand and dust.
2. Air DTH hammer drilling, air blow out dust. It is suitable for rock formation and broken layer construction.
3. Drilling with hydraulic hammer at the bottom of the hole, mud discharge big. It is suitable for the construction of stratum with large water content such as broken layer and Sand pebble layer.
4. Casing drilling.
5. Drill pipe and casing composite drilling.
6. Single, double, triple jet, fixed jet, swing jet and other jet and enlarged head anchor cable technology.



Main technical parameters

Model	HW-135D	HW-135S	HW-155D	HW-155D1	HW-150F	HW-150S
Drilling diameter (mm)	150-250	150-250	150-250	150-250	150-250	150-250
Drilling depth (m)	100-140	10.0-140	130-170	130-170	130-170	130-170
Drilling angle (°)	0~90	0~90	0~90	0~90	0~90	-40~90
Drill rod diameter (mm)	73,89,102,114	73,89,102,114	73,89,102,114	73,89,102,114	73,89,102,114	73,89,102,114
Rotary output torque (N.m)	6800	6800	7500	7500	7500	7500
Rotary output speed (r/min)	10.20.30.35.40.60.70.90.110.125.140	10.20.30.35.40.60.70.90.110.125.140	10.20.30.35.40.60.70.85.130.170	10.20.30.35.40.60.70.85.130.170	10.20.30.35.40.60.70.85.130.170	10.20.30.35.40.60.70.85.130.170
Rotary stroke(mm)	3400	3400	3400	3400	3400	3400
Propeller to progress(mm)	900	900	900	900	900	900
Lifting height (m)	3.3	3.3				3.3
Rotary lifting force (KN)	65	65	70	70	70	70
Rotary lifting force speed (m/min)	0~1.4(adjustable)7/23/30	0~5(adjustable)7/23/30	0~5(adjustable)7/23/30	0~5(adjustable)7/23/30	0~5(adjustable)7/23/30	0~5(adjustable)7/23/30
Pressure of gyrator (KN)	33	33	36	36	36	36
Rotary acceleration (m/min)	0~1.8(adjustable)14/46/59	0~10(adjustable)14/46/59	0~10(adjustable)14/46/59	0~10(adjustable)14/46/59	0~1.8(adjustable)14/46/59	0~10(adjustable)14/46/59
Input power (motor) (KW)	55+18.5	55+18.5	55+18.5	55+18.5	55+18.5	55+18.5
Transportation status (L * W * H) (mm)	5400*2100*2000	5400*2100*2000	5400*2100*2000	5400*2100*2000	5400*2100*2000	5400*2100*2000
Weight (kg)	5800	6000	6000	6200	6300	6500