



AF215

TECHNICAL SPECIFICATIONS



The IMT AF215 drill rig is a machine with telescopic mast and with the possibility of bringing the drilling equipment to considerable heights and transmitting considerable forces at high speed. By using a rotary head, it is possible to carry out continuous flight auger type piles or piles in displacement auger or Omega piles up to a depth of 60' or 80' (using an extension).

The maximum geometrical diameter is 4' and, in any case, the machine can reach 80' in CFA with 3' diameter or 80' in Omega system with 2' diameter.

The rotary head reaches a maximum torque of 215 KNm (158000 lbf.ft).

The rotary head is predisposed to work with casing, kelly bar, CFA and displacement.

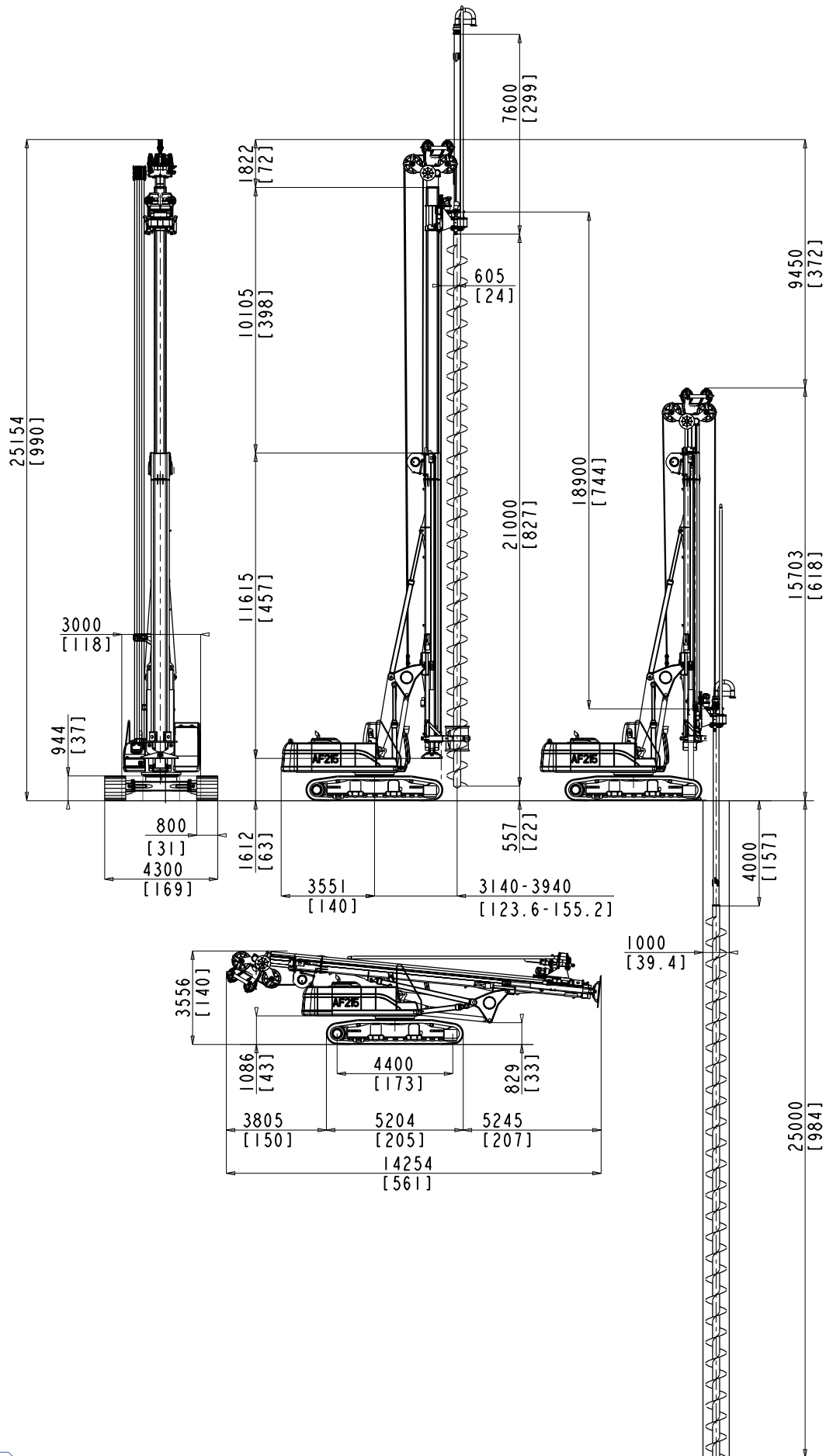
It is possible to replace the rotary head with other equipment such as vibrator, hydraulic hammer, grab, etc.

The mast head is predisposed to work with several options (CFA, kelly, vibro, hammer, grab, etc).

The AF 215 has a parallelogram articulation that allows you to work with working axis between 10' and 13' from the machine axis.



Technical data



AF 215 C.F.A.

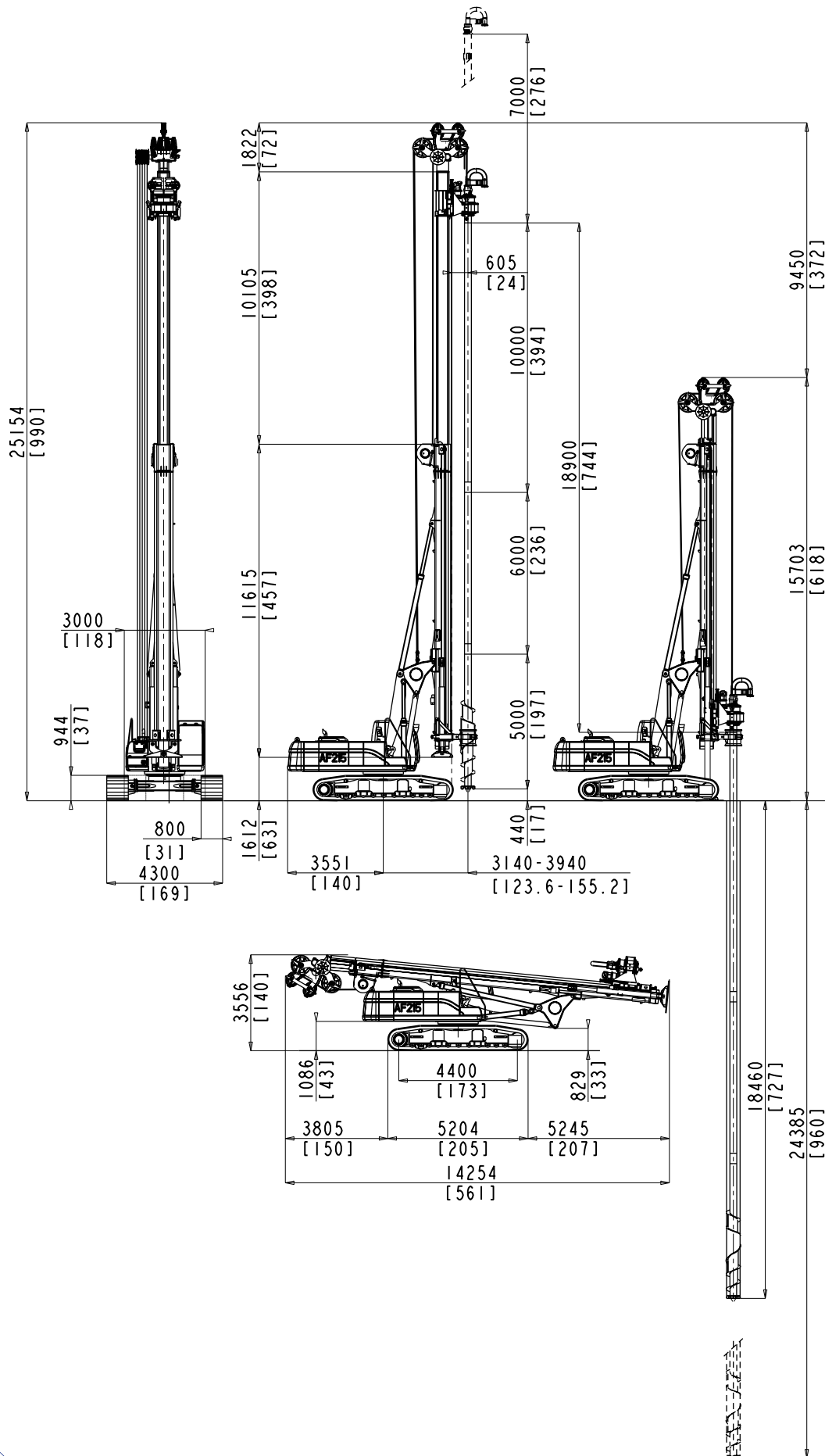
AF215 C.F.A

Max. drilling torque	kNm	215 @ 6 rpm
	lbf ft	158500 @ 6 rpm
Max. drilling speed	rpm	26
Maximum unloading speed	Rpm	110
Pushing force	kN	250
	lbf	56000
Pulling force	kN	534
	lbf	120000
Max. push/pull speed	m/min	25
	ft/min	82
Rotary stroke	mm	18900
	in	744
Mast side inclination		8°
Mast forward inclination		5°
Mast backwards inclination		15°
Engine model		CAT 3126B ATAAC
Installed power	HP	250
	kW	187
Engine rpm	rrpm	1800
Auxiliary winch pulling force	kN	155
	lbf	34900
Auxiliary rope diameter	mm	22
	in	7/8
Auxiliary rope speed	m/min	80
	ft/min	260
Drilling depth maximum w/ optional extension kelly	m	25
	ft	82
Pile diameter maximum @ mast	mm	1200
	in	47
Undercarriage overall length	mm	5204
	in	205
Track shoe width	mm	800
	in	31.5
Overall width in drilling position	mm	4300
	in	169.3
Overall width in transport position	mm	3000
	in	118
Undercarriage traction force	kN	380
	lbf	85400
Base type		CAT 325C HP
Weight with standard tool	t (metric)	62
	lbs	136700
Kit available		Hammer
		Vibrator

IMT reserves the right to modify the specifications of any product without prior notice.



Technical data



AF 215 DISPLACEMENT PILE

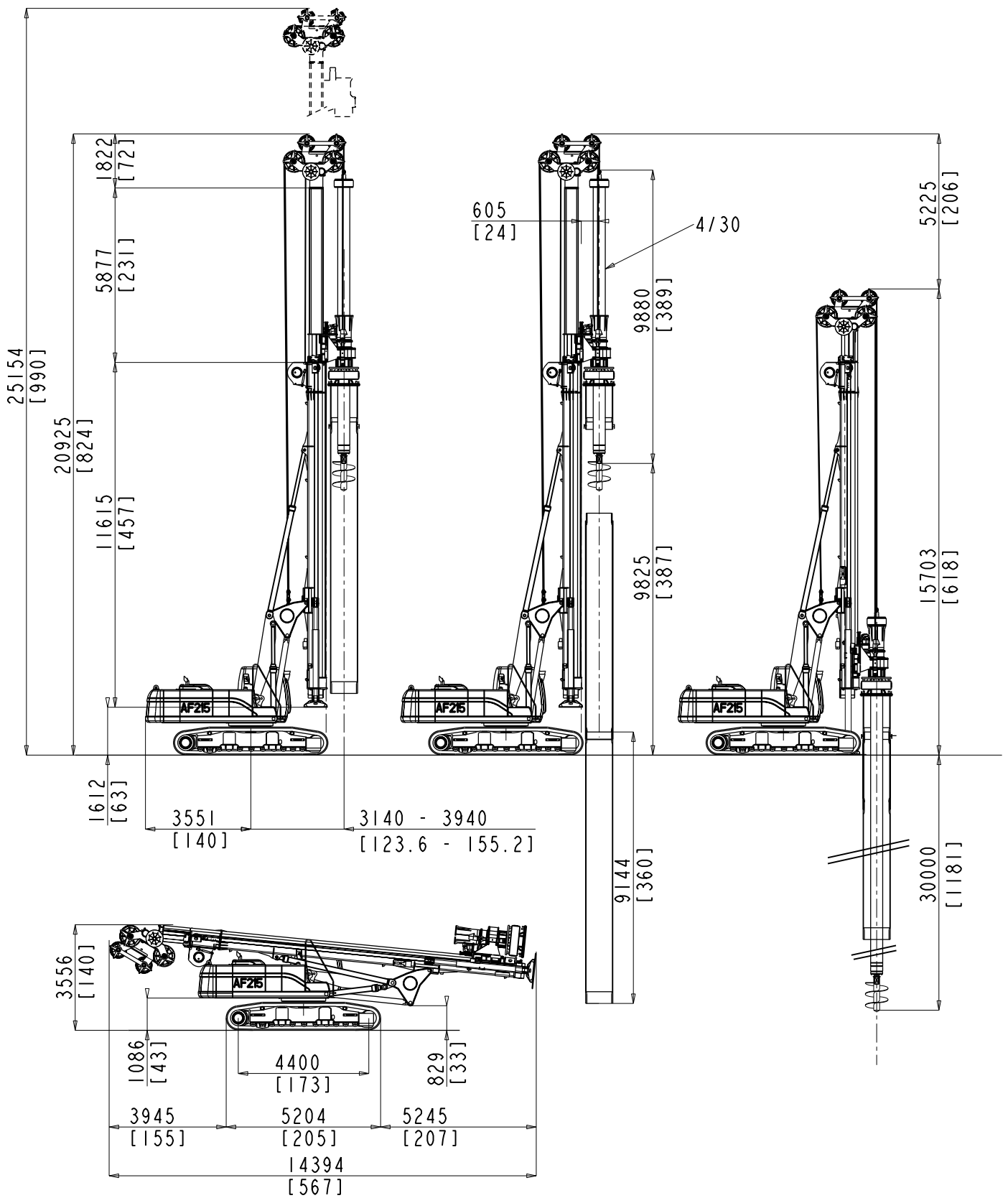
AF215 DISPLACEMENT PILE

Max. drilling torque	kNm	215 @ 6 rpm
	lbf ft	158000 @ 6 rpm
Max. drilling speed	rpm	26
Maximum unloading speed	Rpm	110
Pushing force	kN	250
	lbf	56000
Pulling force	kN	534
	lbf	120000
Max. push/pull speed	m/min	25
	ft/min	82
Rotary stroke	mm	18900
	in	744
Mast side inclination		8°
Mast forward inclination		5°
Mast backwards inclination		15°
Engine model		CAT 3126B ATAAC
Installed power	HP	250
	kW	187
Engine rpm	rrpm	1800
Auxiliary winch pulling force	kN	155
	lbf	34900
Auxiliary rope diameter	mm	22
	in	7/8
Auxiliary rope speed	m/min	80
	ft/min	260
Drilling depth maximum w/ optional extension kelly	m	24.4
	ft	80
Pile diameter maximum @ mast	mm	1200
	in	47
Undercarriage overall length	mm	5204
	in	205
Track shoe width	mm	800
	in	31.5
Overall width in drilling position	mm	4300
	in	169.3
Overall width in transport position	mm	3000
	in	118
Undercarriage traction force	kN	380
	lbf	85400
Base type		CAT 325C HP
Weight with standard tool	t (metric)	59000
	lbs	130000
Kit available		Hammer
		Vibrator

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Technical data



AF 215 KELLY BAR

AF215 KELLY BAR

Max. drilling torque (w/ a 4-element kelly bar)*	kNm	215 @ 6 rpm
	lbf ft	158000 @ 6 rpm
Max. drilling speed	rpm	26
Maximum unloading speed	Rpm	110
Pushing force	kN	250
	lbf	56000
Pulling force	kN	534
	lbf	120000
Rotary stroke	mm	18900
	in	744
Mast side inclination		8°
Mast forward inclination		5°
Mast backwards inclination		15°
Engine model		CAT 3126B ATAAC
Installed power	HP	250
	kW	187
Engine rpm	rrpm	1800
Auxiliary winch pulling force	kN	155
	lbf	34900
Auxiliary rope diameter	mm	22
	in	7/8
Auxiliary rope speed	m/min	80
	ft/min	260
Drilling depth maximum w/ optional kelly bar	m	42
	ft	138
Pile diameter maximum @ mast	mm	1200
	in	47
Undercarriage overall length	mm	5204
	in	205
Track shoe width	mm	800
	in	31.5
Overall width in drilling position	mm	4300
	in	169.3
Overall width in transport position	mm	3000
	in	118
Undercarriage traction force	kN	380
	lbf	85400
Base type		CAT 325C HP
Standard kelly bar		4/30
Weight with standard kelly bar	t (metric)	62
	lbs	136700
Kit available		Hammer
		Vibrator

*With a 5-element kelly bar the torque should be reduced by approx. 15%

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