





Land Rigs Series

Drillmec's deep roots in the manufacturing of drilling rigs start back in 1929 and since then continuously improved rigdesign by raising the pull-up capacity, enhancing safety, optimizing performance and minimizing environmental impact.

Drillmec starting from Massarenti & Branham-design produces a full range of land rig packages to satisfy almost any need with successful achievements all over the world.

Drillmec understands that drilling contractors objectives and conditions are constantly in flux and require different solutions to achieve results.

Drillmec rigs are available in a wide range of specifications in order to fit custom configurations and capabilities; together with the conventional land rigs illustrated in this catalog, Drillmec produces the *Advanced HH Series*, the new frontier of hydraulic drilling rigs for unconventional drilling.

DM SERIES

(Raising Lines)

Swing Lift masts and substructures with hook load capacity from 340 to 907 metric tons (750,000 - 2,000,000 lbs)

HSL SERIES

(Hydraulic Raising)

Swing Lift masts and substructures with hook load capacity from 340 to 680 metric tons (750,000 lbs)







The core of drilling innovation

Land Rigs

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Land Rigs - Swing Lift Series

Drillmec produces swing lift rigs with raising lines or hydraulic cylinders.

The Swing Lift Series is designed for fast and safe rig-up and rig-down, minimizing non-productive time. Main features can be listed as follows:

- Wide working area on the drill floor and around the drawworks
- Mast static hook capacity up to 907 metric tons (2.000.000 lbs)
- Simple structure with components easily erected with the use of a crane
- Four point leveling system built into mast legs above the drill floor
- Compact design which reduces the number of truckloads
- Mud recovery system under the drill floor to minimize environmental impact
- Sling shot or single step hydraulic raising
- Drawworks positions at the ground level or on the rig floor

Swing Lift - Raising Lines (DM Series)

Model	Hook Load		Lines		Setback Capacity		Drawworks Input Power		Mast Height		t Base	Substructure Height	
	mt	lbs		mt	lbs	kW	hp	m	ft	m	ft	m	ft
DM 750	340	750,000	12	204	450,000	1,120	1,500	46	152	9	30	9	30
DM 1000	454	1,000,000	12	360	800,000	1,490	2,000	48	156	11	35	11	35
DM 1300	590	1,300,000	14	360	800,000	1,490	2,000	48	156	11	35	11	35
DM 1500	680	1,500,000	14	454	1,000,000	2,240	3,000	48	156	11	35	12	40
DM 2000	907	2,000,000	16	454	1,000,000	2,240	3,000	49	160	12	40	14	45



Model	Hook Load		Lines	Setback Capacity		Drawworks Input Power		Mast Height		Mast Base		Substructure Height	
	mt	lbs		mt	lbs	kW	hp	m		m	ft	m	ft
HSL 750	340	750,000	12	204	450,000	1,120	1,500	46	152	9	30	9	30
HSL 1000	454	1,000,000	12	360	800,000	1,490	2,000	48	156	11	35	11	35
HSL 1300	590	1,300,000	14	360	800,000	1,490	2,000	48	156	11	35	11	35
HSL 1500	680	1,500,000	14	454	1,000,000	2,240	3,000	48	156	11	35	12	40







Drillmec

The core of drilling innovation

Cluster/Pad Drilling System

Drillmec manufactures rigs for the Russian market and artic temperature environment. The range wides from 1500 to 3000 hp.

In these countries the standard system for cluster drilling is named echelon. It can be single type or double type. In the first option one single rail accommodates the drilling package. In case of double system, generation and mud system are separate. One deck or double deck options are available to best match customer needs. The three main components of this kind of rig to be identified are rails, modules and pulling system. Drillmec designs all of them to reduce the weight and to save time. Indeed all the modules are equipped with hydraulic system for fast rig up. Vertical displacement can adjust the mast verticality. Hydraulic pulling jacks are used to "pull" the echelon system from well to well. Usually the motion is performed on wheels. Drillmec introduces new type of rig with rollers. Steel plates or concrete can be prepared under the rails to avoid the leveling of the mast.

Cluster / Pad Drilling System products

SKIDDING SYSTEM

WALKER SYSTEM

RIGS ON WHEEL





Drawworks

Drillmec gear driven drawworks (GD Series) are the primary hoisting machinery used to raise and lower the traveling blocks. They consist of the following main parts: the drum, the motors, the reduction gear, the brake, and the auxiliary brake.

With the Massarenti experience and a unique aim for continuous improvement over decades of innovation, Drillmec produces a wide range of drawworks engineered for today's tough challenges.

As with other Drillmec drilling equipment, our drawworks can be fitted to all land rigs with power ranging from 1,500 to 3,000 hp with a nominal depth range of 3,500 to 10,000 meters (11,000 ft to 32,000 ft).



Model	4	MAS 6000 GD	MAS 7000 GD	MAS 7500 GD	MAS 8000 GD
Horse Power	kW	1,120	1,490	1,860	2,240
- I	hp	1,500	2,000	2,500	3,000
Nominal Depth	m	3,500 to 5,000	4,000 to 6,000	6,000 to 8,000	8,000 to 10,000
100	ft	11,480 to 16,400	13,120 to 19,680	19,680 to 26,250	26,250 to 32,810
Wireline Size	mm	35	38	41	44
	in	1.3/8	1.1/2	1.5/8	1.3/4
Hoisting Drum Size	mm	720 x 1,400	800 x 1,550	915 x 1,575	915 x 1,575
	in	28.1/2 x 55	31.1/2 x 61	36 x 62	36 x 62
Width Overall	mm	3,950	3,950	5,234	5,234
	in	155	155	206	206
Width In Transportation	mm	2,700	2,700	3,200	3,200
	in	106	106	126	126
Height Overall	mm	3,150	3,150	3,150	3,150
	in	124	124	124	124
Length Overall	mm	6,530	8,225	8,360	8,360
	in	257	324	329	329
Weight	kg	45,000	48,000	52,000	52,000
	lbs	99,200	105,800	114,600	114,600
Hoisting Capacity - 8 Lines	mt	244			
	lbs	537,000	1 1 2 2	A 100 A	
Hoisting Capacity - 10 Lines	mt	294	366	454	
THE RESERVE	lbs	648,000	807,700	1,000,000	7- 1
Hoisting Capacity - 12 Lines	mt	340	431	525	590
	lbs	750,000	950,700	1,157,000	1,300,000
Hoisting Capacity - 14 Lines	mt	X_	493	590	703
	lbs	THE RESERVE	1,087,000	1,300,000	1,550,000
Hoisting Capacity - 16 Lines	mt	100		-	771
	lbs	+18			1,7000,000



Drawworks (MAS GD Series)









The PCRs can be customized in dimensions and designed for a secure application in drilling and oilfield systems. Both VFD or SCR version are available.

Drillmec is used to handle and operate with different brands and standards.

Power Generation products

POWER CONTROL ROOM (PCR)

GENERATORS



Drillmec Land Rigs

The core of drilling innovation

Quality System





Drillmec has always viewed continuous improvement of company processes and complete satisfaction of customer's needs as essential factors for standing out on the highly complex, competitive oil and gas market.

Drillmec's Quality System and HSE System are essential tools for achieving its business goals.

In accordance with its general aims and strategies for growth, Management promotes:

- The central role of the customer
- Full involvement of all personnel to ensure complete awareness of the significance and importance of their work and how they can contribute to achieving quality goals, environment, health and safety protection
- Continuous improvement of the quality of products and services, especially through a strong drive toward technological innovation
- Continuous improvement of process performance
- Safeguarding of the environment and protection of workers' health and safety. Such commitment is widespread not only to our workers, but even to our subcontractors and suppliers.

Drillmec produces a full range of Land Rigs and has been supplying packages that are successfully operating in all major oil field in the world.



Certifications

Drillmec SpA and Drillmec INC quality management systems are certified by API (American Petroleum Institute), DNV (DNV Business Assurance), RTN (Rostechnadzor) and CU-TR (Russian approval) and can also work under NORSOK, ABS and RMRS, if required by the client.

API 4F-0062	CU-TR 0529642
API 6A-0492	CU-TR 0982253
API 7-1-0305	CU-TR 0529643
API 7K-0045	CU-TR 0529646
API 8C-0041	CU-TR 0529647
API 16A-0112	
API ISO-0076	RTN: PPC 00-047448
API Q1-0527	

ISO 9001:2008 ISO 14001:2004 OHSAS 18001:2007

API 4F-0058





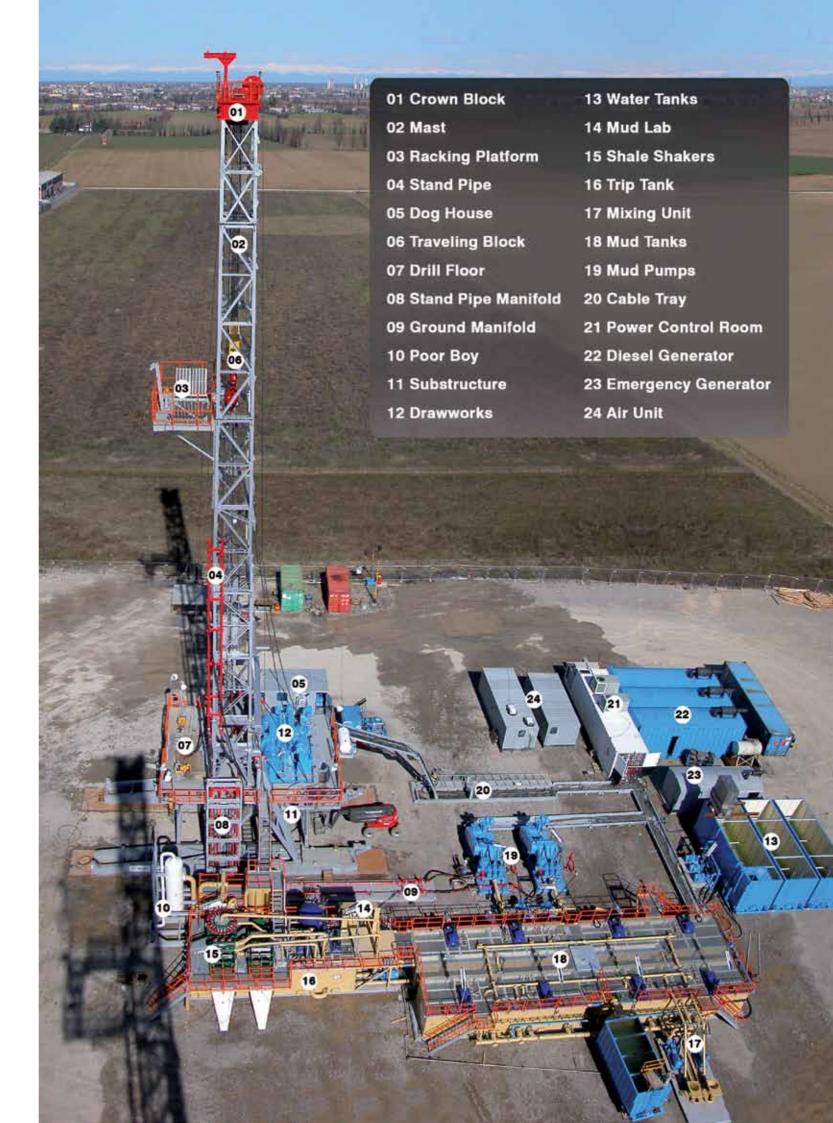






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