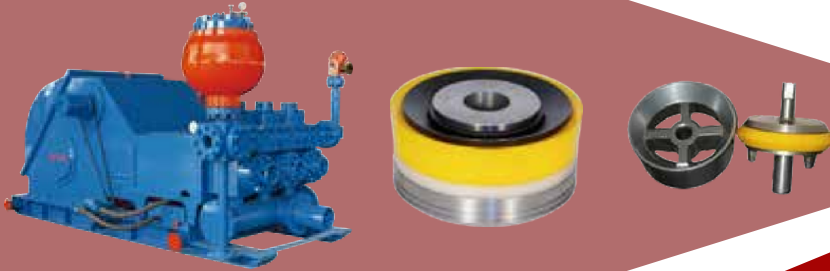


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Innofixx Machinery Manufacturing Foreign Trade. Ind. Ltd. Co.

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COMPANY PROFILE

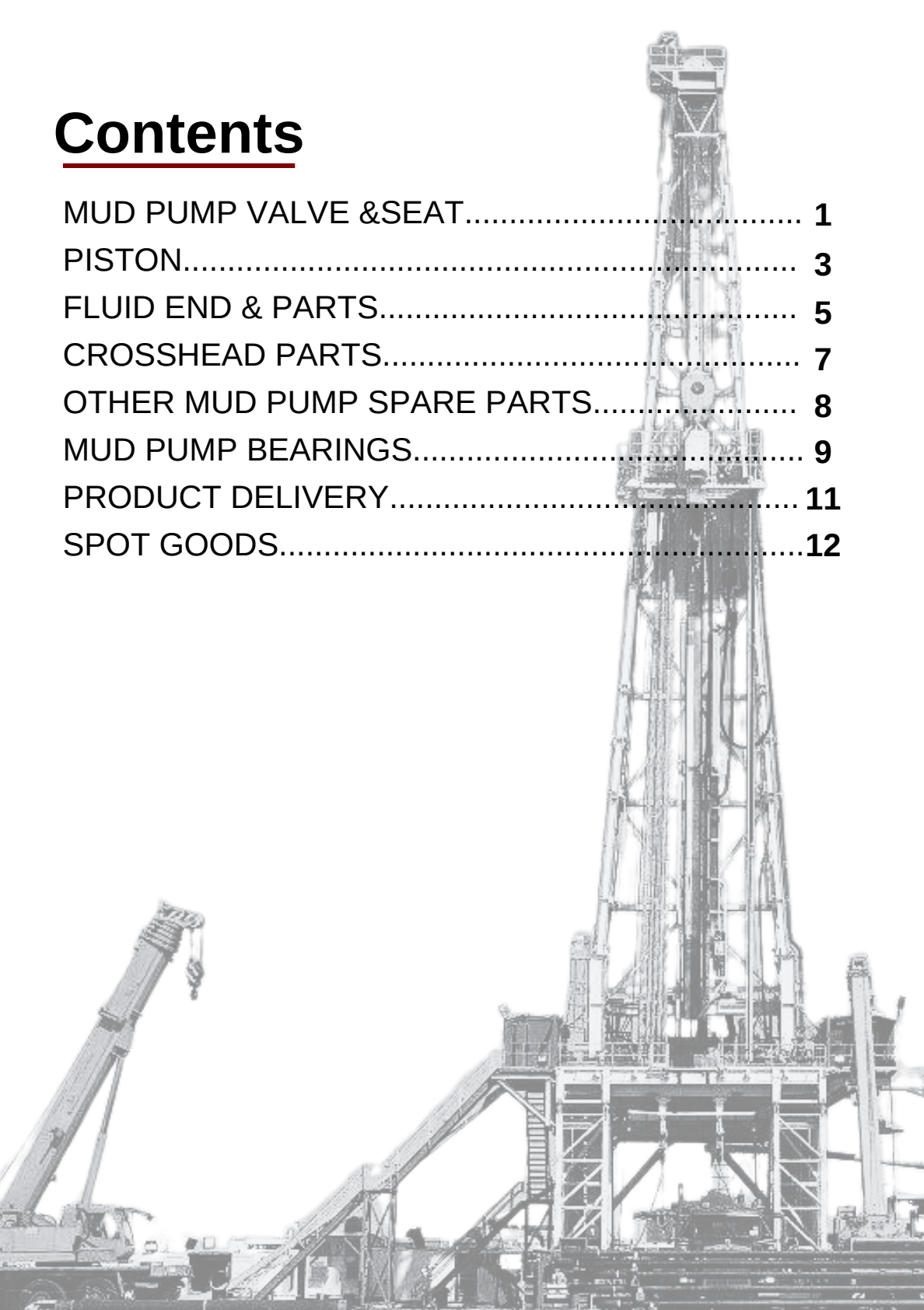
Innofix Machinery Manufacturing Foreign Trade, Ind. Ltd. Co. is a high-tech enterprise and manufacturer that integrates product design, production and sales and service for oil drilling equipment.. The company is located in the beautiful Ostim OSB District 1214. Street No:8 Yenimahalle/Ankara. Our factory is mainly engaged in manufacturer of mud pump accessories, including F series, HHF series, 3NB series, Qingzhou 3NB and other mud pump. Our main products are cylinder liners, pistons, piston rods, extension rods, crosshead,v belt and other mud pump accessories. All the products all meet the requirements of ISO9001, and API-7K (American Petroleum Association) standards.

Our factory has senior technician and advanced equipment engaged in petroleum machinery manufacturing, and combines the customer's feedback, continuously improve and improve the product technology and quality since 2006. From the first step of raw material order to delivery from our warehouse, we strictly implementation our plan as GB / T19001-2016 / ISO9001: 2015 quality management system and American Petroleum Institute quality system API7K standards for production and testing, product quality are the center of our service. It won a lot of praise from domestic and foreign customers.

High-quality raw materials are our most powerful guarantee. Competitive prices are our most competitive advantage. Customers' good feedbacks are our consistent pursuit. The spirit of innovation is our most greatest strengths. We will be your good partner in oil drilling field with our most sincere attitude, full of enthusiasm and dedication to serve our customers!

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MUD PUMP VALVE & SEAT

Roughneck Type

Material is premium alloy steel ASTM4119 or AISI8620. The upper body of the valve is friction-welded together with claw and carburized & quenched, which has big discharge capacity and suitable for many kinds of mud pump



Four Web Type

4-web valve & seat features an extra wide metal to metal seal on the valve flange. The serrated upper surface on the valve gives a longer non-breathing seal between valve body and insert while the rigid seat cross-arm give greater strength and positive sealing.



The strong, thick, valve knock off nut holds the insert tightly reducing flex and breathing which lessens the chance of foreign matter getting between valve and insert.

Three Web Type

Three web type features greater fluid flow than 4-web seats, as well as it features an extra wide metal to metal seal on the valve flange. The serrated upper surface on the valve gives a longer non-breathing seal between valve body and insert while the rigid seat cross-arm give greater strength and positive sealing.



The strong, thick, valve knock off nut holds the insert tightly reducing flex and breathing which lessens the chance of foreign matter getting between valve and insert.

MUD PUMP VALVE & SEAT

FKN (G2) Type

Material is premium alloy steel ASTM4119 or AISI8620.
Rubber and plate are vulcanized into one body to prevent the rubber out of shape. Normally used by National P series mud pumps.



Duplex Pump Valve & Seat

Suitable for duplex mud pumps of Gardner Denver, Gaso, Failing, etc.



Bomco Full Open Type

Suitable for Chinese made F series mud pumps, like F500, F800, F1000, F1300, F1600, etc.



Ls Full Open Type

Suitable for 3NB series mud pump made by ISPE, like 3NB800, 3NB1300, 3NB1600, etc.



High Pressure Full Open Valve & Seat

Suitable for high pressure mud pumps, like F1600HL, F2200HL, etc.



PISTON

Roughneck Type

The piston assembly is the main part at fluid end of mud pump, produces discharge pressure of pump from reciprocating straight-line motion in the liner. Small piston produces higher pressure and lower slow, while large piston produces lower pressure and higher slow. Pumps in different systems should be assembled with pistons in according systems, and $\phi 170$, $\phi 160$, $\phi 150$, 6", 6-1/2" and 7" are often used. The metric pumps F800, F1000, F1300 and F1600 are equipped with metric pistons of general use; however the piston bore of F500 is smaller than others. The pumps from F500 to F1600 are equipped with pistons of general use. Piston bore of F500 is $\phi 25.4$, piston bore of F800—1300 is $\phi 42$ and piston bore is $\phi 38.1$. Piston core is manufactured in 42CrMo and rubber is Buna N or polyurethane.



Replaceable Rubber Piston

The piston core is forged from 40Cr, and then heat treatment. The material of rubber is polyurethane, NBR or HNBR

Bonded Piston

Piston rubber is bonded on the hub, without snap ring and plate, suitable for many kinds of drilling condition, especially for high pressure jetting drilling and ceramic liners.



PISTON

Fluid End Module

The material of the Fluid End Module is a special alloy steel forging, which is processed by mature scientific technology, with reasonable structure and high efficiency. The Fluid End Module is equipped with corresponding bolts and nuts for the Fluid End Module. The material of the Fluid End Module is alloy steel forged, and the three Fluid End Module of each pump are interchangeable. If required, the surface of the Fluid End Module can be treated with electroless nickel plating to enhance its corrosion resistance. The discharge part is equipped with discharge air bag, shear pin safety valve and discharge filter screen respectively.



High Pressure Fluid End Assembly



“I” Style



Fluid End Module with nut



“L” Style



FLUID END & PARTS

Valve Cover



Cylinder Head



Threaded Ring



Discharge Manifold



Liner Flange



Wear Plate



Piston Rod



Spacer



FLUID END & PARTS

Crankshaft



Crankshaft Assembly



Bull Gear



Connecting Rod



Pinion Shaft



Wear Plate



Pinion Bearing Housing



2S Gear oil Pump



CROSSHEAD PARTS

Crosshead



Crosshead Pin



Guide Assembly



Pony Rod



Baffle Disc



Stuffing Box



Double-lip Seal



Oil-Seal Ring



OTHER MUD PUMP SPARE PARTS

Pulsation Dampener



Bladder



Flange Elbow



Relief Valve



Pressure Gauge



Elbow



Discharge Filter



Spray Pump



MUD PUMP BEARINGS



Bearing For Mud Pump F-1000

	Old PN	New PN	KG	mm
Pinion Shaft Bearing	4G32840H	NU3040X3M/C4	38.4	220*320*88.9
Main Bearing	4053156H	24056CA/W33	69.2	280*420*104
Eccentric Wheel Bearing	929/558.8QU	NUP464744Q4/C9	83.4	558.8*685.8*100
Cross Head Bearing	254936Q	NNAL6/177.8Q4/W33XYA	34.2	177.8*257.175*196.85

Bearing For Mud Pump F-1300

	Old PN	New PN	KG	mm
Pinion Shaft Bearing	32844	NU3044X3M	38.4	220*350*98.4
Main Bearing	4053160H	24060CA/W33	97.6	300*460*160
Eccentric Wheel Bearing	928/660.4QU	NUP464776Q4/C9YA4	129	660.4*812.8*107.95
Cross Head Bearing	254941QU	NNAL6/206.375Q4/W33XYA 2	44.9	206.375*285.75*222.25

Bearing For Mud Pump F-1600

	Old PN	New PN	KG	mm
Pinion Shaft Bearing	32844	NU3044X3M	38.4	220*350*98.4
Main Bearing	3003760Y	23160/W33	127	300*500*160
Eccentric Wheel Bearing	929/660.4QU	NUP464777Q4/C9YA4	178	660.4*863.6*107.95
Cross Head Bearing	254941QU	NNAL6/206.375Q4/W33XYA 2	44.9	206.375*285.75*222.25

MUD PUMP BEARINGS

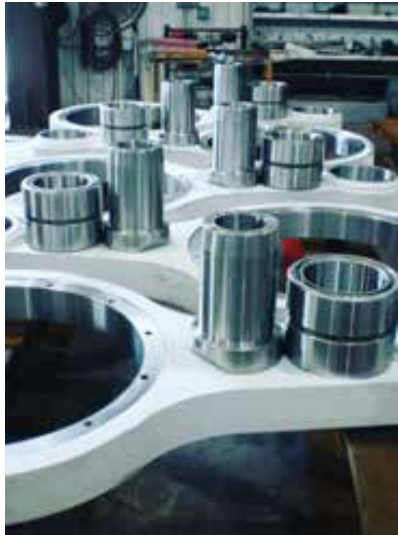
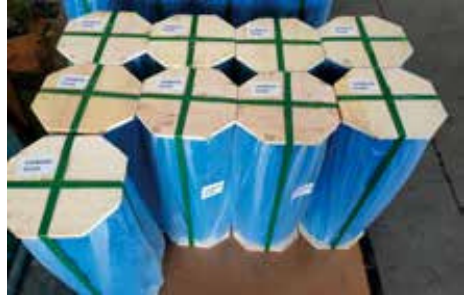
F Series Mud Pump:

- Power end: The shell is a steel plate welded structure, and the internal stress is eliminated after welding. power end gear
- The gear is involute tooth type, with stable operation, high efficiency and long service life. Crankshaft is hollow Integral casting. The power end lubrication method is splash lubrication.
- Fluid end: Suction and discharge flanges meet ASA and API specifications.
- The piston rod and the pony rod are connected by a clamp, which can realize quick assembly and disassembly. Bottom of valve hole There is a step at the top to prevent the valve seat from sinking. Piston and cylinder liner powered by a separate spray pump which cooled and lubricated for a long service life.
- The wearing parts can be replaceable.



Model	F-800	F-1000	F-1300	F-1600/1600L	F-2200
Max.Liner Size x Stroke	(6-3/4 x 9)	170 x 254 (6-3/4 x 10)	180 x 305 (7 x 12)	180 x 305 (7 x 12)	230 x 356 (9 x 14)
Rating Srtokes s/min	150	140	120	120	105
Rating Power KW(HP)	597	746 (1000)	969 (1300)	1193 (1600)	1640 (2200)
Gear Ratio	4.185 : 1	4.207 : 1	4.206 : 1	4.206 : 1	3.512 : 1
Suction Flange	10	12	12		
Discharge Flange	5	5	5		
Pinion Shaft Dia.mm(in)	177.8 (7)	196.9 (7-3/4)	215.9 (8-1/2)	215.9 (8-1/2)	254 (10)
Key mm (in)	44.45 x 44.45 (1-3/4 x 1-3/4)	50.8 x 50.8 (2 x 2)	50.8 x 50.8 (2 x 2)	50.8 x 50.8 (2 x 2)	63.5 x 44.45 (2-1/2 x 1-3/4)
Valve Pots	Valve-over-ValveAPI #6	Valve-over-ValveAPI #6	Valve-over-ValveAPI #6	Valve-over-ValveAPI #6	Valve-over-ValveAPI #6
Approx.Weight kg (lb)	14500 (31970)	18790 (41420)	24572 (54170)	24791 (54660) 25900kg (57100lb)	38460 (84790)

PRODUCT DELIVERY



SPOT GOODS



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