

INNOFIXX

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



Rig Mud Pump Supplier

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QUALITY SUPPLIER

Supplier of high quality oil and gas drilling rigs

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COMPANY PROFILE

Innofixx is located in Yenimahalle District, Ankara City, Ostim Province, Turkey, which is focused on providing customers with comprehensive international trade services, is a strategic partner of CNPC, Sinopec, CNOOC and other international large oil equipment companies, but also has to be an industry and trade integration company with the core competitiveness. Innofixx has always focused on "serving customers", adhering to the "product quality first" concept, to provide customers with "production, sales, service" trinity of system solutions. Products range from oil and gas drilling equipment and accessories products, to industrial standard parts, machinery and equipment and accessories. Innofixx always strictly implements quality testing, technical service system, has cooperated with "CNPC, Sinopec, Lanshi, Honghua, Jereh, Kerui" and other large equipment companies to establish long-term cooperative relations. Relying on the factory 20 years of manufacturing experience, have developed into one of the suppliers with product quality and price competitiveness.

As a professional integrated trading and manufacturing company, we highly value the cooperative relationship with our customers. We will always prioritize your needs and provide high-quality services and solutions to help you achieve business success. Innofixx is ready to work hand in hand with you, mutually dependent and mutually beneficial, for a better tomorrow.



PRODUCT DESCRIPTION

1000m, 2000m, 3000m,4000m, 5000m truck-mounted and trailer-mounted full set of drilling rigs;

3000m, 4000m, 5000m,7000m mechanical, electriccontrol room, rail-mounted skid-mounted drilling rigs,etc.

ZJ500D Vehicle Drilling Rig

This type of drilling rig was jointlydesigned and developed by our company and the Russian factory, and the test in the cooperative factory was a complete success.



ZJ200D Vehicleworkover rig

ZJ20/1350 ZJ20/1350 Oil Drilling Rig
Introduc- tion 2000m series oil drilling rigs are designed and manufactured for exploiting oil and gas well, coalbed methane well, geothermal well, shale gas well and so on. They are characterized by simple.

TECHNICAL PARAMETER

Type	ZJ 10/900CZ	ZJ 15/1350CZ	ZJ 20/1580CZ	ZJ 30/1700CZ	ZJ 40/2250CZ	ZJ 50/3150CZ
Drilling depth	1000	1500	2000	3000	4000	5000
Workover depth	2500	4500	5500	6500	7000	
Maximum hook load	900	1350	1580	1800	2250	3150
Hook speed	0.2 ~ 1.4					
Mast height	29/31	33	35	36/38	38	39
Engine (motor) power	261	403	470	2x403	2x470	1000
Transmission case	4700	M5620AR/TH35	M6620AR	2xM5620AR	2xM6620AR	
The transmission type	Hydraulic + Mechanical					Motor Drive + Mechanical
Hoisting system	4x3	5x4	5x4	6x5	6x5	6x5
Wire rope Dia	φ26	φ26	φ29	φ32	φ32	φ32
Hook blocks model	YG90	YG110	YG160	YG180	YG225	YG315
Power Swivel model	SL110	SL135	SL160	SL225	SL225	SL315
Rotary table type	ZP175	ZP175	ZP175	ZP208/ZP275	ZP275	P700
Base plate models	XD40/8x6	XD50/10x8	XD60/12x8	XD70/14x8	XD70/14x8	XD70/14x10
Overall dimensions	16.7x2.8x4.2	18.8x2.9x4.3	20.5x2.9x4.4	22.3x3.0x4.5	22.3x3x4.5	
Weight	50000	58000	65000	80000	85000	90000

WORKOVER Rifi SERIES

The rig structure is compact and well designed, highly integrated, and optimized to save working space. The powersystem is a hydraulic+ mechanical type with high comprehensive efficiency. A class II or self-propelled type chassis can be adopted to meet the various requirements of the end-users.

The mast is front-open type, with a single section or double-section structure, hydraulic raising and hydraulic telescoping, or mechanical telescoping. Band brake or hydraulic disc brake can be applied as the main brake of the drawworks. The water cooling thrust plate pneumatic brake or water brake can be used as an auxiliary brake.



The drillfloor is a twin-body telescopic type or a parallelogram structure, both of which are convenient for installation and transportation. The dimension and height of the drillfloor can be designed according to the end-user's requirements.

Model	XJ 900 Z	XJ 1100Z	XJ 1350Z	XJ 1600Z	XJ 1800Z	XJ 2250Z
Max hook load (kN)	900	1100	1350	1600	1800	2250
Rated hook load (kN)	600	800	1000	1200	1500	1800
Nominal Workover depth (73 mm)	3200	4500	5800	7000	8000	9000
Engine Power (kW)	261	403	403	470	403×2	470×2
Lines	6	8	8	8, 10	8, 10	10
Wireline Dia (mm)	26	26	26	32	32	32
Mast Height (m)	29, 31	33	33, 35	33, 36	36, 38	36, 38
Max hood speed (m/s)	1.5	1.5	1.5	1.5	1.5	1.5
Substructure height (m)	4	4.5, 5, 6	4.5, 5, 6	4.5, 5, 6	6, 7, 7.5	6, 7, 7.5
RT hole dia. (mm)	444.5	444.5	444.5, 520.7	444.5, 520.7	698.5	698.5
Main brake	band brake	band and disc brake	band and disc brake	band and disc brake	band and disc brake	disc brake
Auxiliary brake	224WCB	224WCB	224WCB	224WCB	324WCB	236WCB Dynamic braking
Carrier model	XD40/8×6	XD50/10×8	XD50/10×8	XD60/12×8	XD70/14×8	XD70/14×8
Min ground clearance (mm)	311	311	311	311	311	311
Min diameter of turning circle(m)	28	30	38	38	41	41
Emission standard	V	V	V	V	V	V

XJ550 WORKOVER Rifi



XJ550 WORKOVER Rifi

Item	Value
Drillingdepth(4.5'DP)	2000m
Workover depth(3.5'DP)	4500m
Maxhookload	1350KN
Mastheight	33m
Drawworks type	Doubledrum
Brake type	Pneumatic
Enginepower	354kw/550HP
Weight	52Tons

XJ350 WORKOVER Rifi



Mud Pump Packafie

We can provide F500,E800, F1300, F1600,QZNB, 3NB series mud pump pumpsets with complete support- ing drilling rigs, etc.

The rig structure is compact and well designed, highly integrated, and optimized to save working space. The powersystem is a hydraulic+ mechanical type with high compre- hensive efficiency. A class II or self-propelled type chassis can be adopted to meet the various requirements of the end-users.

The mast is front-open type, with a single section or double-section structure, hydraulic raising and hydraulic telescoping, or mechanical telescoping. Band brake or hydraulic disc brake can be applied as the main brake of the drawworks. The water cooling thrust plate pneumatic brake or water brake can be used as an auxiliary brake.



The pump is designed and manufactured in accordance with drilling pump design specifications and API standards. The pump casing is welded with high-strength steel plates, the connecting rod crossed rolling bearing, bimetallic cylinder liner, and the inner sleeve is made of high-chromium alloy with hardness of HRC62.

QZNB-2800 MUD PUMP TECHNICAL PARAMETER

Type	Horizontal triplex reciprocating single acting piston pump
Trip (mm)	180
Cylinder diameter (mm)	220
Flow (L/min)	800-3500
Pressure (MPa)	5-20
Input power (KW)	300
Outline dimensions (mm)	7000x2800x2400
Outline dimensions (mm)	12000
Diesel engine model	WP12
Diesel engine power (KW)	353
Rated rotation speed (r/min)	2100

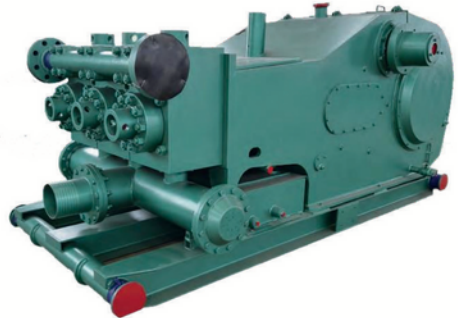
F SERIES MUD PUMP

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.

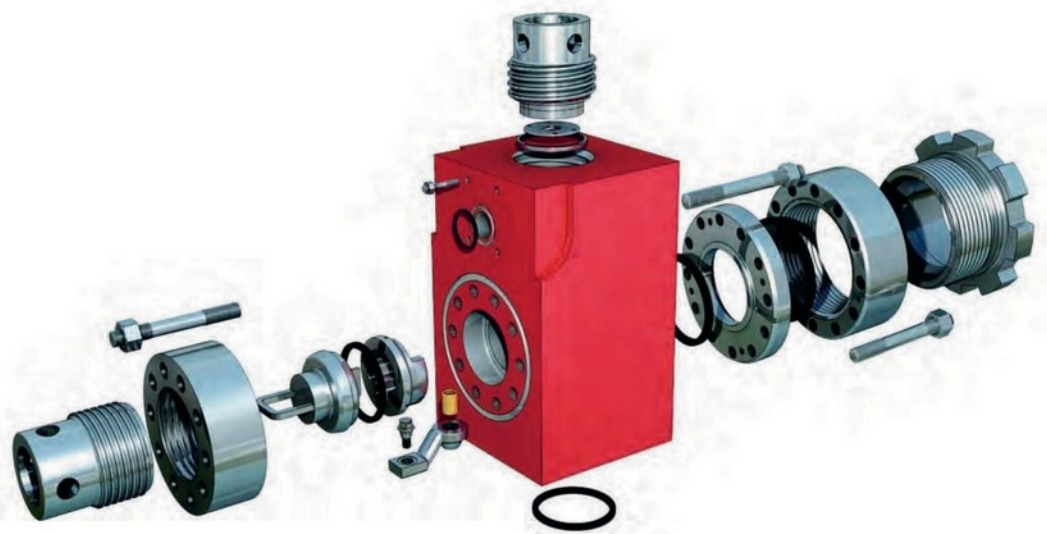


Model	F-800	F-1000	F-1300	F-1600/1600L	F-1600HL	F-2200L
Max. Liner, mm (Dia. x Stroke, in)	170 x 229 (6-3/4 x 9)	170 x 254 (6-3/4 x 10)	180x305 (7 x 12)	180 x 305 (7x12)	190 x 305 (7-1/2x12)	230 x 356 (9x14)
Rated Stroke, s/min	150	140	120	120	120	105
Power Rating, kw(bp)	597(800)	746(1000)	969(1300)	1193 (1600)	1193(1600)	1640 (2200)
Gear Ratio	4. 185: 1	4. 207: 1	4. 206: 1	4. 206: 1	4. 206 : 1	3. 512: 1
Suction Flange, in	10	12	12	12	12	12
Discharge Flange, in	5 1/8	5 1/8	5.1/8	5.125	5	5
Discharge Pipe	5000psi	5000psi	5000psi	5 "FLANGE 5000psi	5"FLA GE 10000pis (110mm)	10000 psi (130mm)
Pinion Shaft Dia.mm(in)	177.8(7)	196.7(7-3/ 4)	215.9(8-1/2)	215.9(8-1/2)	215.9(8-1/2)	254 (10)
Key, mm(in)	44.45x44.45 (1-3/4x1-3/4)	50.8 X 50.8 (2 X 2)	50.8 X 50.8 (2 X 2)	50.8 X 50.8 (2 X 2)	50.8 X 50.8 (2 X 2)	63.5x44.45 (2- 1/ 2 x 1 -3 / 4)
Valve Port	API #6	API #6	API #7	API #7	API #7	API #8
Weight, kg(lb)	14500 (31970)	18790 (41420)	24572(54170)	24791(54660) 25900(57100)	29400(64820)	44000(94980)

MODULES AND ACCESSORIES

The modules of the hydraulic cylinder are made of high-quality alloy steel, which has undergone strict forging and heat treatment processes. Every The modules are well-made and strictly inspected. They can be one piece or two pieces Configurations designed for pressures up to 7,500 psi.

Modular accessories for hydraulic cylinders provide a full range of cylinder heads, valve lock covers, cylinder head threads Rings, cylinder head plugs, valve cover plugs, upper valve guides, lower valve guides, bushing threads Rings, liner locks, wear plates and more. Parts are precision manufactured to meet or exceed API-7K standard and they are 100% interchangeable with OEM parts for all major pump models.



Mud Pump Models	Module with Stud	Module No Studs
Continental Emsco F-800 / 1000	6999-0086-02	6999-0087-02
Continental Emsco FB-1300 / 1600	6316-0357-00	6316-0356-00
Gardner Denver TEE	200PJH029B	200PJH029B-NS
Gardner Denver PAH	200PJH029B	200PJH029B-NS
Gardner Denver PZ-7/8/9	205PZL029D	205PZL029D-NS
Gardner Denver PZ-10/11	202PZL029B	202PZL029B-NS
Ideco T-800 / 1000	551-458	551-458-NS
Ideco T-1000 / 1300	551-122-01	551-122-01-NS
Oilwell A-850-PT / A-1100-PT	10300181	10300181 NS
Oilwell A-1400-PT / A-1700-PT	10300181	10300181 NS

Mud Pump Models	Module with Stud	Module No Studs
National 8-P-80 Discharge	1291280	1291281
National 8-P-80 Suction	1290338	1290339
National 9-P-100 Discharge	1293240	1293241
National 9-P-100 Suction	1290338	1290339
National 10-P-130 Discharge	1290335	1290336
National 10-P-130 Suction	1290338	1290339
National 12-P-160 Discharge	1292240	1292241
National 12-P-160 Suction	1292243	1292244
National 14-P-220 Discharge	1295601	1295602
National 14-P-220 Suction	1295604	1295603

MUD PUMP LINER



Cftrome Alloy Sleeve Liners

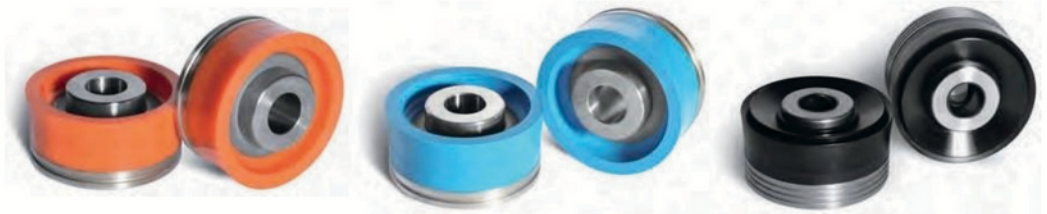
- High Strength forged steel outer hull.
- High Chrome alloy inner sleeve honed to mirrorfinishes.
- Minimum uniform bore hardness 62 RC.
- HP design to prevent inner sleeve slippage.
- Built tougher to outlast our competitors.

Zirconia Liner

- High strength forged steel outer hull.
- Zirconia inner sleeve. Significant longer service and lifetime cost saving.
- Better resistance to heat and corrosion.
- Smoothness of Zirconia inner bore translates into long

Mud Pump Models	4"	4-1/2"	5"	5-1/2"	6"	6-1/2"	7"	7-1/2"
Continental Emsco F-800 / 1000		5495450	5495500	5495550	5495600	5495650	5495700	
Continental Emsco FB-1300 / 1600	5499400	5499450	5499500	5499550	5499600	5499650	5499700	
Gardner Denver PZ-7	PY13940	PY13945	PY13950	PY13955	PY13960	PY13965	PY13970	
Gardner Denver PZ-8/9	5493400	5493450	5493500	5493550	5493600	5493650	5493700	
Gardner Denver PZ-10/11	5496400	5496450	5496500	5496550	5496600	5496650	5496700	
Ideco T-800 / 1000	5502400	5502450	5502500	5502550	5502600	5502650	5502700	
Ideco T-1300 / 1600		5507450	5507500	5507550	5507600	5507650	5507700	
National 8-P-80	5464400	5464450	5464500	5464550	5464600	5464650		
National 9-P-100 / 10-P-130	5465400	5465450	5465500	5465550	5465600	5465650		
National 12-P-160	5466400	5466450	5466500	5466550	5466600	5466650	5466700	
National 14-P-220	5545400	5545450	5545500	5545550	5545600	5545650	5545700	
Oilwell A-850-PT / A-1100-PT	5330400	5330450	5330500	5330550	5330600	5330650	5330700	5330750
Oilwell A-1400-PT / A-1700-PT	5326400	5326450	5326500	5326550	5326600	5326650	5326700	5326750

MUD PUMP PISTON



Uretthane Bonded Pistons — Regular

- Single durometer urethane compound.
- Designed for moderate working temperature.
- Perform well in versatile environment.
- Excellent extrusion and chemical resistance

Uretthane Bonded Pistons — High Temp

- Durometer urethane compound.
- Specially formulated for high working temperature.
- Perform well in versatile environment.
- Excellent extrusion and chemical resistance.

Replaceable Rubber Pistons

- Replaceable rubber kit provides operation cost saving.
- Extended service life. Perform well in versatile environment.
- Excellent extrusion and abrasion resistance.

Pump parts are available for the following Mud Pump

Bomco	F-500	F-800	F-1000	F-1300	F-1600	F-1600HL	F-1600L	F-2200HL
Honghua	HHF-500	HHF-800	HHF-1300	HHF-1600	3NB-1600F	5NB-1600	5NB-2400	
Emsco	F-500	F-800	F-1000	F-1300	F-1600	FD-1000	FC-2200	FB-1300
Gardner	PAH	P7	P8/9	P10/11	PXL	PX-11	PZL	PY-FXD
National	7-P-50	8-P-80	9-P-100	10-P-130	12-P-160	14-P-200	14-P-220	N-1000/1300
Oilwell	A-850-PT	A-1100-PT	A-1700-PT					
Tsc	WF-500	WF-800	WF-1300	WF-1600	WF-2000	WF-2200		
Ideco	T-500	T-800	T-1300	T-1600				
Note	Due to variation of pump models, each owner is recommended to offer the PART NUMBER of the original pumps							

VALVES AND SEATS



- Web seats work with stem guided valves.
- Valve inserts are tightened by steel plate and nuts.
- Valve inserts can be easily replaced with minimum down time.
- Long lasting service life under harsh conditions.

Full Open Valves and Seats

- Full open seats work with wing guided valves.
- Easy snapped on valve inserts for regular and Roughneck style valves.
- One-piece forged wings and valve bodies for FKN style valves.
- Diversified designs for versatile working conditions.

API - 6	Valve Assembly		60152808	6FO-V1	9700285	1560995
	Seat		61102653	6FO-S1	9702547	1561380
	Seat for National Pumps		61102604	6FO-S4	9702555	1561450
	Urethane Insert		62400106	6FO-SI	9705090	1560587
	Spring		55413389	5710-115	8201650	1560701
API - 7	Valve Assembly	202PZL482A	60155041	7FO-V1	9700250	1560985
	Seat	202PZL039	61101507	7FO-S1	9702504	1561370
	Seat for National Pumps		61102505	7FO-S4	9702539	1561440
	Urethane Insert	201PZL106	62400338	7FO-SI	9705228	1560557
	Spring	5710-110	55413397	5710-115L	8201684	1560702

— FLUID END & PARTS —



Valve Cover



Cylinder Head



Threaded Ring



Discharge Manifold



Liner Flange



Wear Plate



Piston Rod



Pacer

— POWER END PARTS —



Crankshaft



Crankshaft Assembly



Bull Gear



Connecting Rod



Pinion Shaft



Wear Plate



Pinion Bearing Housing



2S Gear oil Pump

— FLUID END & PARTS —



Crosshead



Crosshead Pin



Guide plate (Top/ Below)



Pony Rod



Baffle Disc



Stuffing Box



Double-lip Seal



Oil-Seal Ring

— POWER END PARTS —



Pulsation Dampener



Flange Elbow



Relief Valve



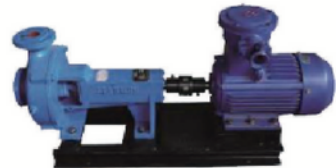
Pressure Gauge



Elbow



Discharge Filter



Spray Pump

DRILL FLOOR TOOLS



Y Series Slip Elevator

Y Series Slip Elevator		
Model	Size (in)	(Short tons)
LYT	1.05~2.1/16	20
MYT	1.315~2.7/8	40
YT	1.315~3.1/2	75
YC	3.1/2~7	75
MYC	3.1/2~7	125
HYT	2.3/8~3.1/2	150
HYC	3.1/2~7.5/8	200

Model	OD of Tubulars	Specification of Slip Bodies	Rated Capacity (short tons)
C	1.315~3.1/2	3.1/2	80
	3.1/2~4.1/4	4.1/2	
	4.3/4	4.3/4 (Integral)	
	5	5 (Integral)	
	5.1/2	5.1/2 (Integral)	
CHD	1.315~3.1/2	3.1/2	125
	3.1/2~4.1/4	4.1/2	
	4.3/4	4.3/4 (Integral)	
	5	5 (Integral)	
	5.1/2	5.1/2 (Integral)	
E	2.3/8~3.1/2	3.1/2	175



C type, E type
pneumatic chuck



SD type drill pipe slips



CMS Type Casing Slips

Model	Body size		3.1/2			4.1/2		
SDS	Drill pipe diameter	in	2.3/8	2.7/8	2003/1/2	3.1/2	4	4.1/2
		Mm	60.3	73	88.9	88.9	101.6	114.3
	Weight	Kg	53.1	50.3	48.5	64.9	61.7	57.6
		lb	117	111	107	143	136	127
SDML	Drill pipe diameter	In	2.3/8	2.7/8	3.1/2	3.1/2	4	4.1/2
		Mm	60.3	73	88.9	88.9	101.6	114.3
	Weight	Kg	87.5	85.3	81.6	94	90.3	85.3
		lb	193	188	180	207	199	188
SDXL	Drill pipe diameter	in	-	-	-	3.1/2	4	4.1/2
		mm	-	-	-	88.9	101.6	114.3
	Weight	kg	-	-	-	103.9	99.3	93
		lb	-	-	-	229	219	205
Model	Body size		5			5.1/2		
SDML	Drill pipe diameter	In	4	4.1/2	5	4.1/2	5	5.1/2
		Mm	101.6	114.3	127	114.3	127	139.7
	Weight	Kg	92.5	88.9	84	90.9	84	82.1
		lb	204	196	185	200	185	181
SDXL	Drill pipe diameter	in	4	4.1/2	4	4.1/2	5	5.1/2
		mm	101.6	114.3	127	114.3	127	139.7
	Weight	kg	107.5	103	96.6	106.1	101.5	95.3
		lb	237	227	213	234	224	210

BOP SERIES

The main pressure-bearing parts of the BOP, side doors, gates, etc. are made of outside the furnace.

Refining alloy steel with strict control over hazardous chemical composition of materials and non-metallic

Inclusions, the blank is forged, the structure is dense and defect-free, after heat treatment

It has excellent comprehensive mechanical properties and good low temperature impact toughness;



2FZ35-70

- The gate cavity adopts an oval structure, which greatly reduces the shell load force, which improves the bearing performance of the shell;
- The opening and closing of the gate and the opening and closing of the side door are hydraulically operated, and the same hydraulic oil interface;
- All metal materials in contact with well fluids should comply with NACE MR 0175 Requirements for working in acidic conditions;
- The sealing part of the gate has a large amount of glue and reliable sealing;
- The shearing ram can cut the drill pipe and achieve reliable sealing.



2FZ28-105

TECHNICAL PARAMETER

Type	Unit	FZ18-5	FZ18-70	FZ18-105	FZ28-35	FZ28-70	FZ28-105	FZ35-35	FZ35-70	FZ35-105	FZ54-14	FZ54-35	FZ54-70
The way to	mm	179.4	179.4	179.4	279.4	279.4	279.4	346.1	346.1	346.1	539.8	539.8	539.8
Work pressure	MPa	34.5	69	103.5	34.5	69	103.5	34.5	69	103.5	13.8	34.5	69
Remark	It adopts forging structure and is completely interchangeable with TYPE. It can be equipped with a booster cylinder, and can be installed with shearing rams and reducing rams.												

CONICAL BOP

The tapered rubber core is used, and the top cover of the blowout preventer and the shell are connected by a claw block; The dynamic seal of the blowout preventer adopts the sealing ring of the lip structure, which minimizes the sealing effect. Wear of the ring, reliable sealing;

Only the piston and conical inserts are moving parts, effectively reducing the wear area and shortening the maintenance repair time; All metallic materials in contact with well fluids shall comply with NACE MR 0175 the requirements of working under conditions; There is well pressure to help seal.



FHZ28-70



FHZ35-35/70



FHZ54-14

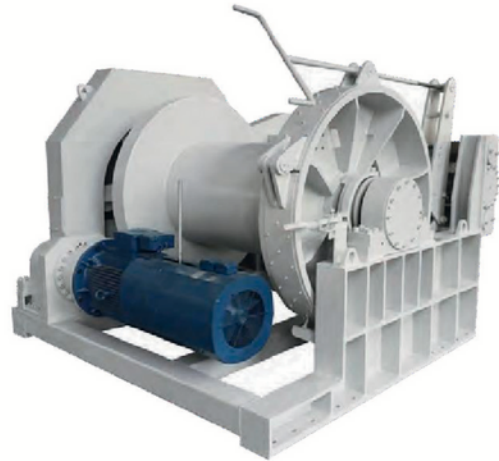


FHZ35-70/105

Type	Unit	FHZ18-70	FHZ28-70	FHZ28-105	FHZ35-35	FHZ35-70	FHZ54-14
The way to	mm	179.4	279.4	279.4	346.1	346.1	539.8
Work pressure	MPa	69.0	69.0	103.5	34.5	69.0	13.8
Remark		Cast or forged construction.					

WINCH SERIES

Hydraulic winch is usually composed of a hydraulic motor, control valve group, gearbox, roller, bracket, (clutch), rope press or rope arranging device, mounting bracket, etc. It can also be selected according to customer needs. Can be widely used in conveyor tensioning devices, marine engineering, construction, water conservancy engineering, forestry, mines, docks, as well as heavy lifting equipment. Such as oil rigs, offshore oil rigs, rotary drilling rigs for piling machines, rock drills, core drills, hydrostatic piles, and more. Advantages of hydraulic winch: Small size, lightweight, small inertia force, no major impact will occur when suddenly overloaded or stopped. Easy to operate and control, high degree of automation.



TECHNICAL PARAMETER

Air winch is a single-drum hand-operated pneumatic winch powered by a piston air motor. It relies on compressed air as the power source, drives the motor, and drives the drum to rotate through the secondary gear reduction to achieve lifting and dragging of various heavy objects.



HYDRAULIC WINCH

Hydraulic winch is a light and small lifting equipment that uses a drum to wind a steelwire rope to lift or pull heavy loads.

Large starting torque, can start with load. With overload protection function.



Small size, light weight and strong mobility.

Stepless speed change can be realized, and forward and reverse operation can be flexibly performed.

Strong practicability and strong explosion-proof, especially suitable for various harsh working environments such as high humidity, flammable, explosive, rain and snow.

Item Model	QDJC10x24	QDJC 50x12	QDJC 100x12
Working pressure (Mpa)	0.6-0.7	0.6-0.9	0.8-1
Rate pull force (KN)	10	50	100
Rate power (kw)	4	17	30
Rate pull speed (m/min)	24	12	12
Rope dia. (mm)	10	16	24
Rope length (m)	50	280	200
Overall dimension (mm)	1015×700×550	1080×755×560	1260×810×640

ROTARY TABLE

Rotary table is one of the driving equipments of drilling rig. It is mainly used for rotating drill string during drilling service and supporting the weight of down-hole drill string (or casing) during trip in & out and casing running, usually used in combination with drilling rig and workover rig. This equipment has put into production in batches with advanced quality in domestic market, and exported to some countries and areas such as USA, Canada, Central Asia, Southeast Asia, etc. A series of 75, 105, 175, 205, 275 and 375 rotary tables have been successfully developed.



Model	ZP75	ZP105	ZP175
Dia. of bore in(mm)	7.5(190.5)	10.5(266.7)	17.5(444.5)
Max. static load lb(kN)	131508(585)	224800(1000)	337200(1500)
Max. RPM(r/min)	300	300	300
Gear ratio	01:03.6	01:03.4	01:03.6
Weight lb(kg)	661.39(300)	3097.49(1405)	8533.93(3880)
Overall dimensions in.(mm)	45.83×32.28×13.78 (1164×820×350)	67.13×38.58×20.87 (1705×980×530)	77.95×50.39×23.03 (1980×1280×585)
Model	ZP205	ZP275	ZP375
Dia. of bore in(mm)	20.5(520.7)	27.5(698.5)	37.5(952.5)
Max. static load lb(kN)	708120(3150)	1011600(4500)	1315080(5850)
Max. RPM(r/min)	300	300	300
Gear ratio	01:03.2	01:03.7	01:03.6
Weight lb(kg)	12742.7(5780)	15278.02(6930)	16490.56(7480)
Overall dimensions in.(mm)	90.55×58.27×26.18 (2300×1480×665)	94.49×66.14×26.97 (2400×1680×685)	95.75×70.75×27.76 (2432×1797×705)

HYDRAULIC TONFIS

ZQ Drill Pipe PowerTong is an ideal wellhead tool for oil drilling, widely applied in madding-up and breaking-out for well drilling and repairing on offshore and land. Ppen-throat design of the ZQ-series with high mobility allows escaping from drilling pipe freely. The tong is a combination of spin-ning tong and torque tong. It substitutes cathead, suspension tong and spinning rope in making-up and breaking-out. The Tongs are designed and manufactured according to API Spec 7k Specification for Drilling Equipment..



Model		ZQ203-100	ZQ203-125	ZQ162-25	ZQ162-50	
Size range	mm	121203	127203	65127	85162	
	in	3.5coupling8 body	3.5couplingbody	3 3/8 coupling 3 1/2 body	2 3/8coupling5 body	
Hydraulic system rated pressure	Mpa	16.6	20	12	16	
	Psi	2400	2900	1740	2320	
Max.torgue	KN.m	100	125	25	50	
	ft.lbf	73750	92200	18440	36880	
RPM	Higear	rpm	40	40	65	60
	lowgear	rpm	2.7	2.7	10.5	4.1
Stroke of shift cylinder	mm	1500	1500	1000	1000	
	in	59	59	39.4	39.4	
Overall dimension	mm	1700×1000×1400	1720×1050×1750	1110×790×820	1570×800×1190	
	in	67×39×55	68×41×69	44×31×32	62×31×47	
Weight	kg	2400	2600	620	1500	
	lb	5290	5730	1360	3310	

SHALE SHAKER

Shale shaker is the first phase solids control equipment in oil drilling mud solids control system and the important equipment in the mud recycling system as well. Generally, there are single shaleshaker, duplex shaleshaker and tripleshale shaker. we can provide the shale shaker in different treatment capacity with customized services as per clients requirement.



1. Super G vibratory motors, free maintenance and powerful dual motors apply 7.5G~ 8 G to screen frame.
2. Optional screen angle adjustment while drilling from - 3° to 3°.
3. Screen makes fine separation, easy for removal and installation.
4. Shaker rapid positioning. 5. Linear or elliptical motion model at your option.

Model	KAZSI120-QDZ	KAZSI13-AHB	KAZSI14-AHB	KAZSI14-ALD	KAZTS114-AHB
Vibration Mode	Linear Motion				Linear/Elliptical Motion
Treatment Capacity (m ³ /h)	70	120	150	150	150
Motor (kW)	2x0.75	2x1.5	2x1.72	2x1.94	2x1.72+0.4
Screen Qty	2	3	4	4	4
Screen Size (mm)	750x900	585x1165	585x1165	585x1165	585x1165
Screen Area (m ²)	1.35	2.04	2.73	2.73	2.73
Output Force	≤7.1G	≤7.5G	≤7.5G	≤8.0G	≤7.5G
Double Amplitude (mm)	3.92~5.62	4.14~5.96	4.4~6.34	4.4~6.34	4.4~6.34
Deck Adjustment	+2°	-3~+3°	-3~+3°	-3~+3°	-3~+3°
Weir Height (mm)	550	885	885	885	885
Explosion-proof	Exd11Bt4/IECEX/-ATEX				
Weight (kg)	837	1365	1553	1520	1633
Dimensions (mm)	1940x1360x970	2322x1650x1400	2912x1650x1425	2650x1650x1425	2912x1650x1425

DRILL BITS

Bit size range from 3 7/8" to 26" Meet with API Spec7-1 Standard. Open roller bearing or seal bearing Steel tooth tricone bits sizes range from 3 7/8" to 26" and cover almost all IADC codes. The steel tooth bit are always be used in drilling soft or soft-medium formation, using fields like mining, hydrology well drilling, subterranean heat well drilling, water well drilling, oil well drilling, gas well drilling.



This type of tricone bits have optimal bearing design, it can be working stably in low WOB, and high quality tungsten carbide on surface of cones and gauge make a good wear resistance, largely extend the working life of bit.

Tecntncl Parameters

Drilling Parameters						Recommends Drilling Parameters		
Size	Blades No.	Cutter No.	Nozzles No.	Gauge Length	API	Rotation Speed	Weight on Bit	Diameter
in	No.	mm	No.	in	REG	RPM	KN	tolerance
6"	6	19	6~8	2~3	4-1/2"	80~380	25~120	-0.38
8 1/2 "	6	19	6~8	2~3	6-5/8"	60~350	25~120	+0, -0.51
9 1/2 "	6	19	6~8	2~4	6-5/8"	60~350	30~140	+0, -0.76
12 1/4	6	19	6~10	2~4	7-5/8"	60~300	30~200	+0, -0.76
16	6	19	6~10	2~4	7-5/8"	60~300	30~200	+0, -0.89
17 1/2 "	6	19	6~8	2~3	4-1/2"	60~240	25~120	+0, -0.38

Remark: Depending on your requirements, we can design and produce above specification (size 3 1/2"~26").

MUD CLEANER

Mud cleaner is one of the solid control system of main purification equipment, is the secondary and tertiary drilling mud solids control equipment, First,drilling fluid is separated by desander and desilter, the liquid phase overflow return circulation system, Solids is separated by shale shaker again. Removal of harmful solid phase of drilling fluid, can rapidly improve the drilling fluid performance, to meet the requirements of the new technology of high pressure jet drilling.

When necessary, can also be all-in-one vibrating screen directly used as the former vibrating screen. According to user requirements configuration different number of desanding cyclone and desilting cyclone.



Model	HQJ250x2-100x12	HQJ300x2-100x16	HQJ250x3-100x20
Capacity	160 m3/h	200 m3/h	240 m3/h
Motor Power	2x1.5 KW	2x2.2 KW	2x2.5 KW
Shale Shaker Screen	3x1050x700 mm	4x1165x585 mm	5x1165x585mm
	Crochet screen	Frame Screen	Frame Screen
Desanding Cyclone Diameter	250mm(10")	300mm(12")	250mm(10")
Desanding Cyclone Quantity	2	2	3
Desander Separation Particle Size	40~100µm	50~150µm	40~100µm
Desilting Cyclone Diameter	100mm(4")	100mm(4")	100mm(4")
Desilting Cyclone Quantity	12	16	20
Desilter Separation Particle Size	20~40µm	20~40µm	20~40µm
Supporting Sand Pump	SB6x5-37KW	SB8x6-55KW	SB8x6-75KW
Weight	2800KG	3100KG	3500KG
Dimension: LxWxH	2865x1920x2670 mm	3065x1920x2700 mm	3365x1920x2700 mm

LW SERIES CENTRIFUGIE

LW series centrifuge for separation of detrital material of drilling muds is widely used in solid control system for drilling mud to separate the solids phase of mud, remove harmful fine drill solids such as debris, etc. in the mud fluid, or recover-weighting materials such as barite etc. so as to reduce the cost of mud fluid.



Item of parameters	LW355×1257-N	LW450×1000-N	LW630×1260-N
Drum diameter (mm)	355	450	630
Drum length (mm)	1257	1000	1260
Drum speed (r/min)	2800	2500	2200
Separating factors	1780~1550	815~1295	740~1140
Max. capacity (m ³ /h)	40	50	60
Main motor	YB200L-4	YB225S-4	YB2-250M-4
Motor power (kW)	30	37	55
Auxiliary motor	YB160M-6	YB160M-6	YB2-180L-6
Motor power (kW)	7.5	7.5	15
Dimension (mm)	3000×1476×1620	2750×1580×1780	3614×1873×1792
Weight (kg)	3300	3500	5000

DRILLINfi FLUID DEFIASSER

Dilling fluid degasser is one of the essential solid control equipment in the process of petroleum drilling. Its main function is to separatethe gas in the mudreturned from thewellhead. The processing capacity and separation efficiency of the degasser are the main indicators to measure the performance of the equipment.



3 / 4 Web Valves and Seats

- Web seats work with stem guided valves.
- Valve inserts are tightened by steel plate and nuts.
- Valve inserts can be easily replaced with minimum down time.
- Long lasting servicelife under harsh conditions.

Model	HCQ240	HCQ270	HCQ300	HCQ360
Processing capacity (m3/h)	240	270	300	360
Vacuum (MPa)	-0.030—0.045	-0.08	-0.030—0.055	-0.040—0.065
transmission ratio	1.68	1.68	1.68	1.72
Main motor power(kw)	15	22	30	37
Vacuum pump power (kw)	2.2	3	4	7.5
Speed(r/min)	860	870	876	880
Exhaust capacity (m3/h)	28	48	90	180
Applicable mud specific gravity (g/cm3)	≤2	≤2	≤2.5	≤2.5
Degassing efficiency (%)	≥95	≥95	≥95	≥95
weight(kg)	1100	1350	1650	1800
Overall Dimensions (mm)	1750×860 × 1500	2000 x1000 ×1670	2250×1330×1650	2400×1500×1850

MUD AFITATOR

The mud agitator is an important equipment of the drilling fluid tank type solid control system. It is mainly used for stirring and mixing the drilling fluid to prevent the solid phase particles of the drilling fluid from settling during the circulation process and make the drilling fluid mix uniform and stable.

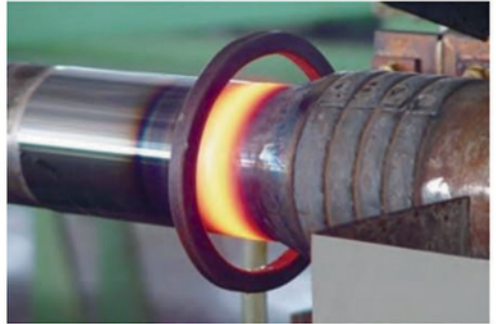
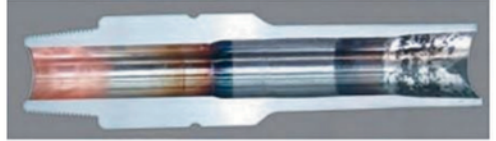


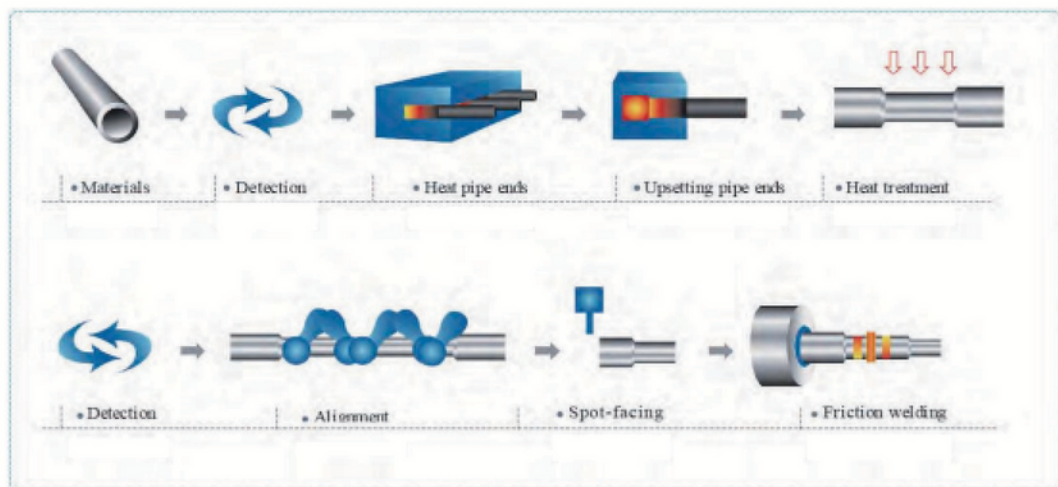
- Using worm/worm gear reducer; compact structure, good meshing performance, reliable work
- Combination of explosion-proof motors, suitable for working in harsh conditions in the field
- The explosion-proof motor is directly connected to the input shaft of the reducer through an elastic coupling, and the speed of the stirring impeller is constant.
- Stirring intensity is high, and the range of influence is wide

Model	HJB5.5	HJB7.5	HJB11	HJB15	HJB18.5	HJB22
Motor power (kw)	5.5	7.5	11	15	18.5	22
Impeller speed (rpm)	57	57	58	58	58	58
Impeller diameter (mm)	800	850	900	1000	1200	1200
Overall Dimensions (mm)	954×549×583mm	1101×664×623mm	1222×664×665mm	1334×734×685mm	1445×888×770mm	1465×888×770mm
weight(kg)	295	400	462	560	785	815

PRODUCTS SHOW

The company has advanced drill pipe butt welded joint production lines, pipe pier rough production lines, drill pipe friction welding production lines, and complete drill pipe wear-resistant banding and internal coating production lines, with an annual output of 30,000 tons of drill pipes. According to API Spec 5DP standard Standard, can produce and provide 2- 3/8"~ 6-5/8" conventional drill pipes, and can also provide BH series high torsion-resistant drill pipes according to customer needs.





Drill pipe series specifications									
Size specification	Notional weight	Calculating Plain End Weight		Outer diameter		Steel Grade	Thickness		Thickened form
		Lb/ft	kg/m	in	mm		in	mm	
2002/3/8	6.65	6.26	9.32	2.375	60.3	E,x,G,s	0.28	7.11	EU
2002/7/8	10.4	9.72	14.48	2.875	73	E,x,G,S	0.362	9.19	IU or EU
2003/1/2	9.5	8.81	13.12	3.5	88.9	E	0.254	6.45	IU or EU
2003/1/2	13.3	12.31	18.34	3.5	88.9	E,x,G,S	0.368	9.35	IU or EU
2003/1/2	15.5	14.63	21.79	3.5	88.9	E	0.449	11.4	IU or EU
2003/1/2	15.5	14.63	21.79	3.5	88.9	x,G,S	0.449	11.4	Iu or EU
4	14	12.93	19.26	4.000	101.6	E,x,G,S	0.33	8.38	IU or EU
2004/1/2	13.75	12.24	18.23	4.5	114.3	E	0.271	6.88	IU or EU
2004/1/2	16.6	14.98	22.31	4.5	114.3	E,x,G,S	0.337	8.56	IU or EU
2004/1/2	20	18.69	27.84	4.5	114.3	E,x,G,S	0.43	10.92	IU or EU
5	16.25	14.87	22.15	5	127	x,G,S	0.296	7.52	Iu
5	19.5	17.93	26.71	5	127	E	0.362	9.19	IEU
5	19.5	17.93	26.71	5	127	x,G,S	0.362	9.19	IU or EU
5	25.6	24.03	35.79	5.000	127	E	0.5	12.7	IEU
5	25.6	24.03	35.79	5	127	x,G,s	0.5	12.7	IU or EU
2005/1/2	21.9	19.81	29.51	5.5	139.7	E,x,G,S	0.361	9.17	IEU
2005/1/2	24.7	22.54	33.57	5.5	139.7	E,x,G,S	0.415	10.54	IEU
2006/5/8	25.2	22.19	33.05	6.625	168.3	E,x,G,S	0.33	8.38	IEU
2006/5/8	27.7	24.21	36.06	6.625	168.3	E,x,G,S	0.362	9.19	IEU

DRILL COLLAR

A TYPE DRILL COLLAR

Type A (Cylindrical)

Be Made of alloy steel and the cross sections of the inside



B TYPE DRILL COLLAR

Type B (Spiral)

Be Made of alloy steel and the outside pipe has spiralgrooves.



Outer diameter		Yad Stergth MPa	Tensilo Strcngth Mpa	Eiongaton %	Brinell Hardness HB	Impad APVJ
mn	in					
79.4-171.4	38-62	≥758	≥965	≥13	285-341	≥54
177.8-279.4	45118	≥689	≥930	≥13	285-341	≥54

Asan important part ofdrill string,drill collar can supplythe drill bit and increasethe rigidity of drill string

Outer diameter		Inner diameter		Length mm	Chamfer Diameter mm	Thread Connection	Blending Ratio
3-1/8	79.4	1-1/4	31.8	9150	76.2	NC2331	2.57:1
3-1/2	88.9	1-1/2	38.1	9150	82.9	NC26-35(238 IF)	2.42:1
4-1/8	104.8	2	50.8	9150	100.4	NC31-41(278 IF)	2.43:1
4-3/4	120.7	2	50.8	9150	114.7	NC35-47	2.58:1
5	127	2-1/4	57.2	9150	121.0	NC3850(312 IF)	2.38:1
6	152.4	2-1/4	57.2	9150/9450	144.5	NC4460	2.49:1
6	152.4	2	71.4	9150/9451	144.5	NC4460	2.84:1
6-1/4	158.8	2-1/4	57.2	9150/9452	149.2	NC4482	2.91:1
6-1/4	158.8	2-11/16	71.4	9150/9453	150.0	NC46-62(41F)	2.63:1
6-1/2	165.1	2-1/4	57.2	9150/9454	154.8	NC46-65(41F)	2.76:1
6-1/2	165.1	2-11/16	71.4	9150/9455	154.8	NC4665(41F)	3.05:1
6-3/4	171.4	2-1/4	57.2	9150/9456	159.5	NC46-67(41F)	3.18:1
6-3/4	171.4	2-11/16	71.4	9150/9457	159.5	NC50-67(412 IF)	2.37:1
7	177.8	2-1/4	57.2	9150/9458	164.7	NC50-70(412 IF)	2.54:1
7	177.8	2-11/16	71.4	9150/9459	164.7	NC50-70(412 IF)	2.73:1
7-1/4	184.2	2-11/16	71.4	9150/9460	169.5	NC50-72(412 IF)	3.12:1
7-3/4	196.8	2-11/16	71.4	9150/9461	185.3	NC56-77	2.70:1
8	203.2	2-11/16	71.4	9150/9462	190.1	NC56-80	3.02:1
8-1/4	209.6	2-11/16	71.4	9150/9463	195.7	658 REG	2.93:1
9	228.6	2-11/16	71.4	9150/9464	212.7	NC61-90	3.17:1
9-1/2	241.3	3	76.2	9150/9465	223.8	758 REG	2.81:1
9-3/4	247.6	4	76.2	9150/9466	232.6	NC70-97	2.57:1
10	254	5	76.2	9150/9467	237.3	NC70-100	2.81:1
11	279.4	6	76.2	9150/9468	266.7	858 REG	2.84:1



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