OILMAN

Tubular Running Tools



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YZCF-240

The YZCF-240 Diesel Hydraulic Power Unit supplies hydraulic power for mechanized drilling tools used in petroleum field operations. This hydraulic power unit is driven by a diesel engine, utilizes electric starting, and is primarily designed to provide hydraulic power to external hydraulic tooling. The maximum working pressure of the unit is 21MPa.

Advantages of the YZCF-240 Diesel Hydraulic Power Unit:

1.Speed Control: Equipped with an automatic hydraulic throttle governing device.
2.A spark arrestor is installed upstream of the diesel engine exhaust outlet.
3.The diesel engine features an over speed protection device.
4.The power unit is equipped with hydraulic gauges for the diesel engine system, enabling real-time monitoring of the hydraulic system's status to ensure safe operation.
5.A protective structural frame with guardrails safeguards all components of the hydraulic power unit.
6.Compact design for easy installation and operation.



Specifications of the Product

Model	YZCF-240
Diesel Engine Model:	Beinei Deutz F6L913
Pump Model:	HY160S-RP
Rated Flow Rate:	240L/min
Maximum Pump Speed:	1800rpm
Maximum Operating Pressure:	21MPa
Rated Operating Pressure:	17.2 MPa
Air Cooler Surface Area:	40 m²
Cooling Fan Drive:	Hydraulic Motor
Hydraulic Oil Tank Capacity:	700 L
Diesel Tank Capacity:	160L
Overall Dimensions:	2500×1600×1750 mm
Starting Method:	Electric Start

YZCF-160

The YZCF-160 Diesel Hydraulic Power Unit supplies hydraulic power for mechanized drilling tools used in petroleum field operations. This hydraulic power unit is driven by a diesel engine, utilizes electric starting, and is primarily designed to provide hydraulic power to external hydraulic tooling. The maximum working pressure of the unit is 20MPa.

Advantages of the YZCF-160 Diesel Hydraulic Power Unit:

1.Speed Control: Equipped with an automatic hydraulic throttle governing device.
2.A spark arrestor is installed upstream of the diesel engine exhaust outlet.
3.The diesel engine features an over speed protection device.
4.The power unit is equipped with hydraulic gauges for the diesel engine system, enabling real-time monitoring of the hydraulic system's status to ensure safe operation.
5.A protective structural frame with guardrails safeguards all components of the hydraulic power unit.
6.Compact design for easy installation and operation.



Specifications of the Product

Model	YZCF-160
Diesel Engine Model:	HFR4105
Rated Flow Rate:	160L/min
Maximum Pump Speed:	1500rpm
Maximum Operating Pressure:	20MPa
Diesel engine power	55kW
Hydraulic Oil Tank Capacity:	600 L
Diesel Tank Capacity:	200L
Overall Dimensions:	2200×1500×1850 mm
Starting Method:	Electric Start

KHT5500A

KHT5500A Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Brake belt assembly, easy to operate and convenient to maintain and replace.

4.Open gear supporting structure, improving the strength and rigidity.

5.Wholly hydraulic mode and mechanical gear shift.D High strength steel plate used on the shell, increasing the strength. The jaws are cast with precise technology, artistic and strong.

6.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

7.Use safety door hydraulic safety device, of great safety performance.
8.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT5500A
Pipe Size Range Of Master Tong	2 3/8" - 5 1/2"
Pipe Size Range Of BackUp Tong	2 3/8" - 6 1/2"
High Gear Rated of Torque	4400N.m(3200ft.lbs)
Low Gear Rated of Torque	34000N.m (25000ft.lbs)
High Gear Rated Speed	78 RPM
Low Gear Rated Speed	9.5RPM
Overall Dimensions	1220×860×1708mm
Weight	953kg

KHT7625A

KHT7625 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Brake belt assembly, easy to operate and convenient to maintain and replace.

4.Open gear supporting structure, improving the strength and rigidity.

5.Wholly hydraulic mode and mechanical gear shift.D High strength steel plate used on the shell, increasing the strength. The jaws are cast with precise technology, artistic and strong.

6.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

7.Use safety door hydraulic safety device, of great safety performance.
8.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT7625A
Pipe Size Range Of Master Tong	2 3/8" - 7 5/8"
Pipe Size Range Of BackUp Tong	2 3/8" - 7 5/8"
High Gear Rated of Torque	8000N.m(5900ft.lbs)
Low Gear Rated of Torque	43000N.m (31700ft.lbs)
High Gear Rated Speed	65 rpm
Low Gear Rated Speed	6.5 rpm
Rated Operation Pressure	14MPa (2000psi)
Rated Flow	187.5L/min (50gpm)
Overall Dimensions	1454 × 955 × 1950mm
Weight	1100kg

KHT8625

KHT8625 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Brake belt assembly, easy to operate and convenient to maintain and replace.

4.Open gear supporting structure, improving the strength and rigidity.

5.Wholly hydraulic mode and mechanical gear shift.D High strength steel plate used on the shell, increasing the strength. The jaws are cast with precise technology, artistic and strong.

6.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

7.Use safety door hydraulic safety device, of great safety performance.

8.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT8625
Pipe Size Range Of Master Tong	2 7/8" - 8 5/8"
Pipe Size Range Of BackUp Tong	2 7/8" - 9 5/8"
High Gear Rated of Torque	7000N.m(5200ft.lbs)
Low Gear Rated of Torque	34000N.m (25000ft.lbs)
High Gear Rated Speed	48 rpm
Low Gear Rated Speed	10 rpm
Rated Operation Pressure	14MPa (2000psi)
Rated Flow	189L/min (50gpm)
Overall Dimensions	1400 × 955 × 1800mm
Weight	1100kg

KHT9625

KHT9625 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Brake belt assembly, easy to operate and convenient to maintain and replace.

4.Open gear supporting structure, improving the strength and rigidity.

5.Wholly hydraulic mode and mechanical gear shift.D High strength steel plate used on the shell, increasing the strength. The jaws are cast with precise technology, artistic and strong.

6.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

7.Use safety door hydraulic safety device, of great safety performance.
8.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT9625
Pipe Size Range Of Master Tong	2 7/8" - 9 5/8"
Pipe Size Range Of BackUp Tong	2 7/8" - 10 1/2"
High Gear Rated of Torque	3600N.m(2700ft.lbs)
Low Gear Rated of Torque	34000N.m (25000ft.lbs)
High Gear Rated Speed	65 rpm
Low Gear Rated Speed	6.5 rpm
Rated Operation Pressure	14MPa (2000psi)
Rated Flow	150L/min (40gpm)
Overall Dimensions	1500 × 790 × 1750mm
Weight	1220kg

KHT13625

KHT13625 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Brake belt assembly, easy to operate and convenient to maintain and replace.

4.Open gear supporting structure, improving the strength and rigidity.

5.Wholly hydraulic mode and mechanical gear shift.D High strength steel plate used on the shell, increasing the strength. The jaws are cast with precise technology, artistic and strong.

6.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

7.Use safety door hydraulic safety device, of great safety performance.
8.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT13625
Pipe Size Range Of Master Tong	4" - 13 5/8"
Pipe Size Range Of BackUp Tong	4" - 15 1/2"
High Gear Rated of Torque	8400N.m(6200ft.lbs)
Low Gear Rated of Torque	42000N.m (31000ft.lbs)
High Gear Rated Speed	30 rpm
Low Gear Rated Speed	6 rpm
Rated Operation Pressure	16MPa (2300psi)
Rated Flow	150L/min (40gpm)
Overall Dimensions	1508 × 857 × 1194mm
Weight	650kg

KT14000A

KT14000A Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Two-gear rotation is adopted for large speed regulation range. And the rated torque is large;

4.Brake belt assembly, easy to operate and convenient to maintain and replace.

5.Open gear supporting structure, improving the strength and rigidity.

6.Wholly hydraulic mode and mechanical gearshift.

7.High strength steel plate used on the shell, increasing the strength. Welding process of each jaw plate with steel plate, artistic and strong.

8.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

9.Use safety door hydraulic safety device and have a great safety performance.
10.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KHT14000A
Rang of Master Tong	4″-14″ (101.5 - 355.5 mm)
High Gear Rated of Torque	25KN.m (18500ft.lbs)
Low Gear Rated of Torque	105KN.m (77000ft.lbs)
Rated Speed	4 rpm
Rated Operation Pressure	16MPa (2300psi)
Rated Flow	187.5L/min (50gpm)
Overall Dimensions	1750×1080×1000 mm
Weight	1540kg

TQ508/70

TQ508 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and di minished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.pen-end design allows quick and easy positioning and retraction from the working area; the integrated jaw head boasts high strength and rigidity.

2.The swing double-jaw head can be assembled and disassembled effortlessly. The optimized cut-to-diameter ratio ensures reliable clamping and smooth releasing of workpieces.

3.It adopts a brake band braking system featuring high braking torque, simple operation, and easy maintenance and part replacement.

4.The notched large gear support structure significantly improves the strength and rigidity of the assembled large gear.

5.This fully hydraulic unit adopts mechanical gear shifting, delivering a simple and reliable structural design.

6.The housing is constructed from high-strength steel plates for enhanced structural robustness. All jaw dies are manufactured via welding process, featuring an attractive appearance and outstanding mechanical strength.
7.Fitted with a hydraulic torque gauge and a reserved mounting interface for torque transducers, it facilitates computerized data management.
8.A hydraulic safety interlock device is installed on the safety gate to guarantee excellent operational safety.
9.It features a wide torque range and can satisfy high-torque working requirements.

Specifications of the Product

Model	TQ508
Rang of Master Tong	9 5/8" - 20" (245 - 508 mm)
High Gear Rated of Torque	10000N.m (7300ft.lbs)
Low Gear Rated of Torque	70000N.m (50000ft.lbs)
High Gear Rated Speed	23 RPM
Low Gear Rated Speed	3 RPM
Rated Operation Pressure	18 MPa (2610psi)
Rated Flow	132L/min (35gpm)
Overall Dimensions	1676×1017×1900 mm
Weight	1700kg

KT24500

KT24500 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.Opening type, convenient and prompt to enter and slide off the working position, with an integral tong head of great strength and rigidity.

2.Double swing head jaws, convenient to assemble and disassemble.

3.Two-gear rotation is adopted for large speed regulation range. And the rated torque is large;

4.Brake belt assembly, easy to operate and convenient to maintain and replace.

5.Open gear supporting structure, improving the strength and rigidity.

6.Wholly hydraulic mode and mechanical gearshift.

7.High strength steel plate used on the shell, increasing the strength. Welding process of each jaw plate with steel plate, artistic and strong.

8.With hydraulic torque indicator and also installation interface, convenient to realize the computer management.

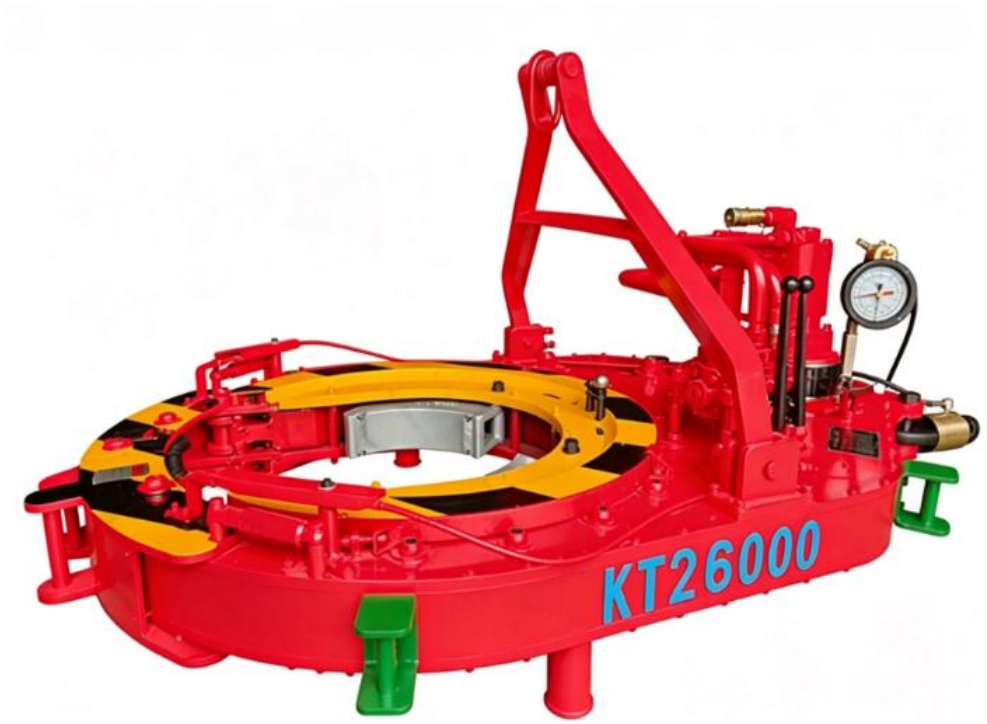
9.Use safety door hydraulic safety device and have a great safety performance.
10.Large torque range, can meet the requirement of larger torque use.

Specifications of the Product

Model	KH24500
Rang of Master Tong	9 5/8″-24 1/2″ (245 - 622 mm)
High Gear Rated of Torque	12KN.m (8800ft.lbs)
Low Gear Rated of Torque	70KN.m (50000ft.lbs)
High Gear Rated Speed	30 rpm
Low Gear Rated Speed	5.5 rpm
Rated Operation Pressure	16MPa (2300psi)
Rated Flow	187.5L/min (50gpm)
Overall Dimensions	2120×1350×800 mm
Weight	1540kg

KT26000

KT26000 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.pen-end design allows quick and easy positioning and retraction from the working area; the integrated jaw head boasts high strength and rigidity.

2.The swing double-jaw head can be assembled and disassembled effortlessly. The optimized cut-to-diameter ratio ensures reliable clamping and smooth releasing of workpieces.

3.It adopts a brake band braking system featuring high braking torque, simple operation, and easy maintenance and part replacement.

4.The notched large gear support structure significantly improves the strength and rigidity of the assembled large gear.

5.This fully hydraulic unit adopts mechanical gear shifting, delivering a simple and reliable structural design.

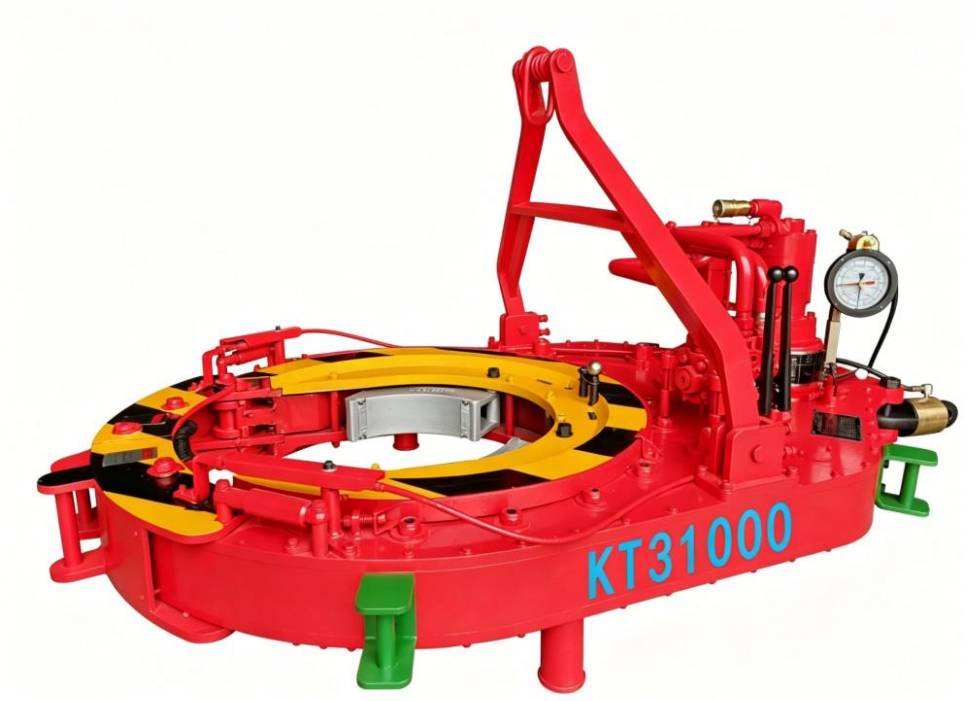
6.The housing is constructed from high-strength steel plates for enhanced structural robustness. All jaw dies are manufactured via welding process, featuring an attractive appearance and outstanding mechanical strength.
7.Fitted with a hydraulic torque gauge and a reserved mounting interface for torque transducers, it facilitates computerized data management.
8.A hydraulic safety interlock device is installed on the safety gate to guarantee excellent operational safety.
9.It features a wide torque range and can satisfy high-torque working requirements.

Specifications of the Product

Model	KT26000
Rang of Master Tong	13 3/8"-26" (340 - 660mm)
High Gear Rated of Torque	11.3KN.m (8100ft.lbs)
Low Gear Rated of Torque	95KN.m (70000ft.lbs)
High Gear Rated Speed	21 RPM
Low Gear Rated Speed	4 RPM
Rated Operation Pressure	16MPa (2320psi)
Rated Flow	187.5L/min (50gpm)
Overall Dimensions	2400×1550×800 mm
Weight	1800kg

KT31000

KT31000 Casing Power Tong is used to make up and break out for casing operation in oil fields. It has greatly reduced the labor of worker, enhanced connection quality of thread and diminished accidents in inappropriate casing operation.



The power tong has the following features as well:

1.pen-end design allows quick and easy positioning and retraction from the working area; the integrated jaw head boasts high strength and rigidity.

2.The swing double-jaw head can be assembled and disassembled effortlessly. The optimized cut-to-diameter ratio ensures reliable clamping and smooth releasing of workpieces.

3.It adopts a brake band braking system featuring high braking torque, simple operation, and easy maintenance and part replacement.

4.The notched large gear support structure significantly improves the strength and rigidity of the assembled large gear.

5.This fully hydraulic unit adopts mechanical gear shifting, delivering a simple and reliable structural design.

6.The housing is constructed from high-strength steel plates for enhanced structural robustness. All jaw dies are manufactured via welding process, featuring an attractive appearance and outstanding mechanical strength.
7.Fitted with a hydraulic torque gauge and a reserved mounting interface for torque transducers, it facilitates computerized data management.
8.A hydraulic safety interlock device is installed on the safety gate to guarantee excellent operational safety.
9.It features a wide torque range and can satisfy high-torque working requirements.

Specifications of the Product

Model	KT31000
Rang of Master Tong	10 3/4"-31" (273 - 787.4mm)
High Gear Rated of Torque	12.7KN.m (9300ft.lbs)
Low Gear Rated of Torque	108KN.m (80000ft.lbs)
High Gear Rated Speed	28 RPM
Low Gear Rated Speed	4 RPM
Rated Operation Pressure	18MPa (2600psi)
Rated Flow	187.5L/min (50gpm)
Overall Dimensions	2500×1650×1380 mm
Weight	1800kg

TTMC Pro

The explosion-proof machine has passed the national explosion-proof certification and acquired the explosion-proof certificate, which can meet the safety requirements of the oilfield operation site. This system adopts high-precision, military-grade components,where the maximum error of the whole machine is less than 0.1%.It can provide the precise control according the setting parameters, to effectively guarantee the quality of the oil and casing pipe buckle, and at the sametime evaluate the quality of the oil casing buckle according to the graphical curve analysis, which provides an important basis for the quality of the work.



Specifications of the Product

Model	TTMC Pro
Tension/Pressure Sensor	a.Tension torque sensor Measuring Range : 0~120kN Precision: 0.1% Power voltage: 12-24VDC Output signal: 4~20 mA(three-wires system) b.Pressure (disc) torque transmitter Measuring Range : 0~80KN Precision: 0.1% Power voltage: 12-24VDC Output signal: 4~20 mA(three-wire system)
Turns Sensor	Power voltage : 12VDC Detection distance : 6mm±10% Frequency response : 2000Hz Output form: NPN NO Protection structure: Oil and vibration resistant, water and explosion proof
The Application Environment of Host Machine	a.Temperature: Host Machine : -20℃ ~50℃ Torque Sensor : -20℃~60℃ Turn Sensor : -20℃~60℃ b.relative humidity ≤ 90%RH(non-condensing) c.Power : 100-240VAC 50/60Hz

CRT-Hydraulic

Hydraulic casing running tool (hereinafter referred to as the tool) is a tool used for casing running in oil & gas well completion operation. The tool adopts a multi-cam mechanism and is a pure mechanical casing running tool, with the advantages of reasonable design, convenient operation, and being safe and reliable. Main bearing parts are manufactured with advanced scientific achievements and special heat treatment process, with superior structural strength and wear resistance, which has passed strict strength test and nondestructive test.

The hydraulic casing running tools have the following features:

1. The device can achieve functions such as suspension, fastening, grouting, circulation, and rotation of the casing
2. Solving the problem of difficult casing insertion in complex well conditions
3. Function integration and personnel reduction have improved work efficiency.
4. Remote operation of personnel has improved the safety of operations.
5. Hydraulic Slip Safety Interlock
6. Easy to operate and equipped with an anti-misoperation mechanism.
7. It can also be equipped with a wireless torque measurement system for monitoring the torque of the upper buckle.



Specifications of the Product

Model	TXGNY500	TXGNY500
Applicable casing (inch)	4 1/2~7	9 5/8~13 3/8
Maximum hanging load(tons)	500	500
Maximum torque (KN·m)	50	50
Maximum Rotary (r/min)	60	60
Seal Pressure (MPa)	35	35
Tool joint	6 5/8REG	6 5/8REG

CRT-Mechanical

TXGN casing operation device (Casing Running Tool) is a mechanical integrated casing tool. The device is installed on the top drive drill pipe joint, and its operation in the clamping and rotation direction is carried out by the driller, and it is controlled to mechanically activate and lose hands. Installation and disassembly is simple and fast, without external pipelines and power sources.



The device can realize the functions of casing suspension, buckling, grouting, circulation and casing rotation, and solve the problem of difficult casing running in complex well conditions.

The clamping and sealing unit can be replaced according to actual needs, and the casing of different sizes and point values can be clamping, so that one machine can be used for multiple purposes.

Functional integration and personnel reduction improve operational efficiency. Personnel remote operation, improve the safety of the operation. Reasonable combination with other tools has brought a new major breakthrough for the casing operation process.

Specifications of the Product

Model	Applicable casing	Suspended load	Maximum torque		Maximum cycle rate	
	in	tons	ft.lb	KN.m	GPM	m^3/min
TXGN200	5 1/2~7 5/8	200	25000	35	440	1.7
TXGN320	7~13 3/8	320	50000	70	660	2.5
TXGN500	8 5/8~13 3/8	500	50000	70	660	2.5

Elevator/Spider

The slip elevator/spoder is a pneumatically operated mechanized casing running tool capable of gripping up to 24 1/2" of the string. It has the characteristics of convenient operation, wide application range, safety and reliability. The products shall be designed and manufactured according to the requirements of API Spec 8C.



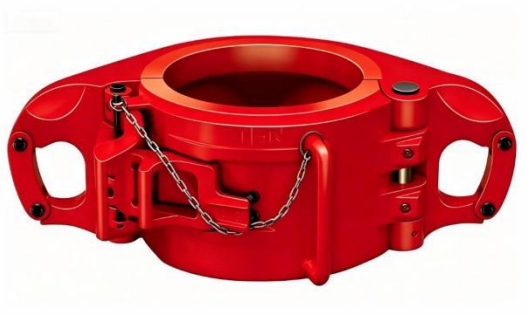
Specifications of the Product

Model	Applicable pipe diameter(in)	Maximum load (tons)	Working pressure (MPa)
SE150	2 3/8-5 1/2	150	0.6-0.8
SE350 (14)	4-14	350	0.6-0.8
SE350(20)	16-20	350	0.6-0.8
SE500(14)	4-14	500	0.6-0.8
SE500(24 1/2)	16-24 1/2	500	0.6-0.8
SE750(14)	6 5/8-14	750	0.6-0.8
SE750(16)	6 5/8-16	750	0.6-0.8
SE750(24.1/2)	13 3/8-24 1/2	750	0.6-0.8
SE1000	13 3/8-24 1/2	1000	0.6-0.8
SE1250	13 3/8-24	1250	0.6-0.8
SEB250	2 3/8-7 5/8	250	0.6-0.8
SEB350	4 1/2-9 5/8	350	0.6-0.8

Side Door Elevator

SLX type side-opening elevator is mainly used for clamping and lifting tubing, casing, drill pipe, drill rod and other pipe strings during oil and gas drilling and workover operations. The product shall be designed and manufactured according to the requirements of API Spec 8C.





Specifications of the Product

Model	Size of Range(in)	Maximum load (short tons)
SLX-65	3 1/2-14 3/4	65
SLX-100	2 3/8-5 3/4	100
SLX-150	2 3/8-20	150
SLX-250	5 1/2-30	250
SLX-350	4 1/2-14	350
SX350	9 5/8-36	350
SX500	9 5/8-30	500
SX750	6 5/8-9 5/8	750

Slip Type Elevator

Y-type slip elevator is a necessary tool for clamping and lifting drill pipe, casing and tubing in drilling and workover tripping operations, especially suitable for lifting integral joint tubing, non-coupling casing and electric submersible pump string. Elevators are designed and manufactured in accordance with API Spec 8C Drilling and Production Hoisting Equipment.



Specifications of the Product

Model	Size of Range (in)	Rated load (tons)
YC	3 1/2 - 7	75
YT	1315 - 3 1/2	75
HYT	2 3/8-3 1/2	150
MYT	1.315-2 7/8	40
LYT	1.05-1 1/16	20
HYC	3 1/2-7 5/8	200
MYC	3 1/2-7	125

Single Joint Elevator

SJ series auxiliary elevator is mainly used for oil, natural gas drilling, cementing operations, hanging a single casing and other pipe string tools. The products shall be designed and manufactured according to the requirements of API Spec 8c.



Specifications of the Product

Model	Size of Range (in)	Rated Capacity (sTon/tons)
SJ Elevator	2.3/8-20	5/4.5
SJ Elevator	21.1/2-36	6.7/6.1

FMS(WGY)

WGY375(FMS375) hydraulic slip is designed according to API Spec 7K Drilling and Well Servicing Equipment. It is a hydraulic operation tool for clamping pipe string in oil and natural gas drilling operations. It is suitable for 375 rotary table. The clamping range is 2.3/8" ~ 14" and has the function of anti-torque.



Specifications of the Product

Model	Applicable turntable specifications(in)	Applicable pipe diameter (in)	Maximum load (tons)	Working pressure (MPa)
WGY375 (FMS375)	37 1/2	2 3/8-14	500	15-17

SD Rotary Slips

SD series drill pipe slips are suitable for drill pipe diameters of 2 3/8-7in(60.3-177.8mm). According to the contact length between the slip tooth and the drill pipe, it is divided into short type (SDS), medium type (SDML) and extended type (SDXL). SDS is suitable for shallow wells, SDML is suitable for medium-deep wells, and SDXL is suitable for deep wells. The products shall be designed and manufactured according to the requirements of API Spec 7K.



Specifications of the Product

Model	Size of Slip Bodies	3 1/2			4 1/2			5			5 1/2			5 7/8			7		
SDS	OD(in)	2 3/8	2 7/8	3 1/2	3 1/2	4	4 1/2	4	4 1/2	5	–	–	–	–	–	–	–	–	–
	Weight(lb)	117	111	107	143	136	127	181	174	165	–	–	–	–	–	–	–	–	–
SDML	OD(in)	2 3/8	2 7/8	3 1/2	3 1/2	4	4 1/2	4	4 1/2	5	4 1/2	5	5 1/2	–	–	–	–	–	–
	Weight(lb)	193	188	180	207	199	188	204	196	185	223	214	203	–	–	–	–	–	–
SDXL	OD(in)	–	–	–	3 1/2	4	4 1/2	4	4 1/2	5	4	4 1/2	5 1/2	–	5 3/4	5 7/8	–	6 5/8	7
	Weight(lb)	–	–	–	229	219	205	237	227	213	256	245	247	–	–	–	–	–	–

Rotary Hand Slip

CMS the sleeve slip is matched with the matching lining or bushing, the diameter of the sleeve that can be held is 4 1/2- 30 in(114.3-762mm). The products shall be designed and manufactured according to the requirements of API Spec 7K.



Specifications of the Product

Casing OD	in	4 1/2-5	5 1/2-6	6 5/8	7	7 5/8	8 5/8	9 5/8	10 3/4
	mm	114.3-127	139.7-152.4	168.3	177.8	193.7	219.1	244.5	273.1
Weight	kg	76	71	89	83.5	75	82	87	95
	lb	168	157	196	184	166	181	192	209
Total No. of Segments		9	9	12	12	12	13	14	15
Use in Insert Bowl No.		API or No.3						No.2	

Casing OD	in	11 3/4	13 3/8	16	18 5/8	20	24	26	30
	mm	298.5	339.7	406.4	473.1	508	609.6	660.4	762
Weight	kg	118	117	140	166.5	174	201	221	248
	lb	260	258	308	367	383	443	487	546
Use in Insert Bowl No.		17	18	21	25	26	30	33	37
Use in Insert Bowl No.		No.1		Match with Relevent Casing Bushing					

MP Safety Clamp

MP type safety slips are indispensable tools for clamping drill collars, smooth joint strings and small shoulder strings. Various string requirements can be adapted by simply adding or reducing links. The products shall be designed and manufactured according to the requirements of API Spec 7K.



Specifications of the Product

Model	Size of Range (in)	Number of links
MP-XL	19 3/8 - 20 3/8	19
MP-XL	14 1/2 - 15 5/8	18
MP-M	9 1/2 - 10 5/8	13
MP-R	6 1/2 - 7 5/8	10
MP-R	4 1/2 - 5 5/8	8
MP-S	3 1/2 - 4 1/2	6
MP-S	2 1/8 - 3 1/4	5

Casing Bushing&Bowl

Casing Bushing of CU, CUL, CB and other types can be used for clamping pipe diameters of 23/8in to 30in. Among them, CU and CUL are integral core filling; CB is split core filling, and the size is in accordance with API Spec 7K standard.



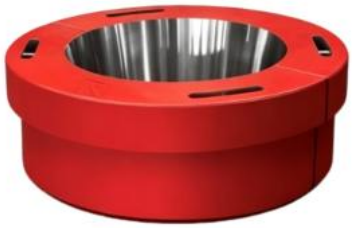
CU



CUL



CB27-1/2



CB37-1/2

Specifications of the Product

Rotary Table Size	Model	Tubulars OD(in)							
		2 3/8-8 5/8	9 5/8-10 3/4	11 3/4-13 3/8	16	18 5/8-20	24	26	30
17 1/2-20 1/2	CU	Bushing 3102+Insert Bowl 1809	Bushing 3102+Insert Bowl 1902	Bushing 3102	—	—	—	—	—
27 1/2	CUL	Bushing 3103+Insert Bowl 3105+1809	Bushing 3103+Insert Bowl 3105+1902	Bushing 3103+Insert Bowl 3105	Bushing 3103+Insert Bowl 3104	Bushing 3103	—	—	—
27 1/2	CB	Bushing 6695+Insert Bowl 6126A+6115	Bushing 6695+Insert Bowl 6126A+6114	Bushing 6695+Insert Bowl 6126A	Bushing 6695+Insert Bowl 6127	Bushing 6695	—	—	—
37 1/2		Bushing (18 5/8-20)+Insert Bowl 6126A 6115	Bushing (18 5/8-20)+Insert Bowl 6126A 6114	Bushing (18 5/8-20)+Insert Bowl 6126A	Bushing (18 5/8-20)+Insert Bowl 6127	Bushing (18 5/8-20)	Bushing 11253	Bushing 16454	Bushing 11763

C Safety Clamp

WA-C safety slips are used to clamp flat joint strings and drill collars. WA-C type safety slips are applicable to pipe diameters 3 3/4-15 5/8in. The products shall be designed and manufactured according to the requirements of API Spec 7K.



Specifications of the Product

Model	Applicable pipe diameter (in)	Number of links
WA-C	3 3/4-4 5/8	7
	4 1/2-5 5/8	8
	5 1/2-6 5/8	9
	6 1/2-7 5/8	10
	7 1/2-8 5/8	11
	8 1/2-9 5/8	12
	9 1/2-10 5/8	13
	10 1/2-11 5/8	14
	11 1/2-12 5/8	15
	12 1/2-13 5/8	16
	13 1/2-14 5/8	17
	14 1/2-15 5/8	18

T Safety Clamp

WA-T type safety slips are used to clamp flat joint strings and drill collars. WA-T type safety slips are suitable for pipe diameters 11/8-41/2in. The products shall be designed and manufactured according to the requirements of API Spec 7K



Specifications of the Product

Model	Applicable pipe diameter (in)	Number of links
WA-T	1 1/8-2	4
	2 1/8-3 1/4	5
	3 1/2-4 1/2	6

Bucking Unit

Bucking unit is an important tool for assembly, disassembly and maintenance of threaded connections on various drilling tools, pipe strings and downhole equipment. Designed for fast and accurate makeup and breakout of tubulars with premium and standard threads.Oilman full-rotary torque bucking unit delivers a maximum thread tracking torque of 190 000 ft-lb. It is widely applied in repair workshops, completion services, offline stand makeup and small to medium pipe threading facilities. Equipped with an automatic torque control system, the unit supports free switch between Chinese/English interfaces, as well as Kn·m and ft-lb units. As non-standard equipment, it is available for custom configuration.



Specifications of the Product

Model	Oilman 4 1/2-25	Oilman 5 1/2-25	Oilman 7 5/8-25	Oilman 9 5/8-40	Oilman 10-136	Oilman 13 3/8-70
Working range(in)	2 3/8-4 1/2	2 3/8-5 1/2	2 3/8-7 5/8	2 3/8-9 5/8	2 3/8-10	2 3/8-13 3/8
Max. pressure	16 MPa/ 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI
Flow rate	80~120 L/min	80~120 L/min	80~160 L/min	80~160 L/min	80~160 L/min	80~160 L/min
Max torque	25 KN.m / 18,450ft.lbs	25 KN.m / 18,450ft.lbs	25 KN.m / 18450ft.lbs	40 KN.m / 29,500ft.lbs	136 KN.m / 100,000ft.lbs	70 KN.m / 51,660ft.lbs
Speed	0~10 rpm	0~6 rpm	0~6 rpm	0~6 rpm	0~6 rpm	0~6 rpm

Model	Oilman 14-180	Oilman 18-250	Oilman 20-110	Oilman 22-160	Oilman 24-260
Working range(in)	2 3/8-14	2 3/8-18	2 3/8-20	2 3/8-22	2 3/8-24
Max. pressure	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI	16 MPa / 2320 PSI
Flow rate	120~230 L/min	120~230 L/min	120~230 L/min	120~230 L/min	120~230 L/min
Max torque	180KN.m/ 133,000ft.lbs	250KN.m/ 184,400ft.lbs	110KN.m/ 81,100ft.lbs	160KN.m/ 118,000ft.lbs	260KN.m/ 192,000ft.lbs
Speed	0~6 rpm	0~6 rpm	0~6 rpm	0~6 rpm	0~5 rpm

CatWalk

The power catwalk adopts electro-hydraulic control and automated remote-operation technology to realize automation of drill string transportation. It addresses the problems of manual-assisted drill-string handling on drilling rigs, including low efficiency and poor safety in hoisting-and-dragging operations, especially during casing running, drill collar make-up and laying-off of drill strings.
Compared with conventional operations, this equipment improves transportation efficiency by over 20%. It can save 4-hour drill-string connection time per well. When integrated with the multi-pipe lay-off device, its efficiency of laying-off drill strings upon well completion can be increased by 60%. It is capable of transporting drill strings up to 19.5 m long, 11-inch drill collars and 24-inch casings.





Specifications of the Product

Applicable Rig-floor Height	(9000-9600)mm	(10500-11100)mm	(12000-12600)mm
Driving Mode	Hydraulic-driven / Electric-driven		
Maximum Length of Transported Tubulars	≤ 19500 mm		
Maximum Diameter of Transported Tubulars	≤ Φ610 mm(24 in)		
Maximum Weight of Transported Tubulars	≤ 50 KN(5000 kg)		
Multi-pipe Feed & Lay-off Mode	Single-trip 3-drill-pipe Feed & Lay-off Spec.:Φ114 mm-Φ139.7 mm (4 1/2 in-5 1/2 in)		
Operating Cycle	≈90s	≈110s	≈120s
Maximum Pressure of Hydraulic System	25 MPa		
Maximum Flow of Hydraulic System	260 L/min		
Hydraulic Power Unit (HPU)	Self-contained Cabin		

FAC

The FAC-type grouting and circulation device is a tool used for simultaneous grouting and circulation during casing operations. It enables grouting in real-time while running casing and allows for rapid circulation without the need to install a casing nipple when circulation is required. This device is characterized by ease of use, high safety, and leak-free performance, significantly reducing labor intensity and improving the working environment.



Specifications of the Product

Model	Size of Range (in)	Max Presure(psi)
L-FAC	7 - 20	2500
L-FAC Ⅱ	18 5/8-26	2500
M-FAC	5 1/2-7	2500
S-FAC	4 1/2-5	2500
N-FAC	7-14	2500

Belt Tongs

The belt clamp is designed and manufactured according to SY/T 5074 Drilling and Well Servability Power Tongs and Belt Tongs and API Spec 7K. It is a tool specially developed for loading and unloading large diameter casing buckles. The buckle size can be changed by replacing belts of different specifications. According to the use requirements can choose different torque levels and different sizes of the belt.



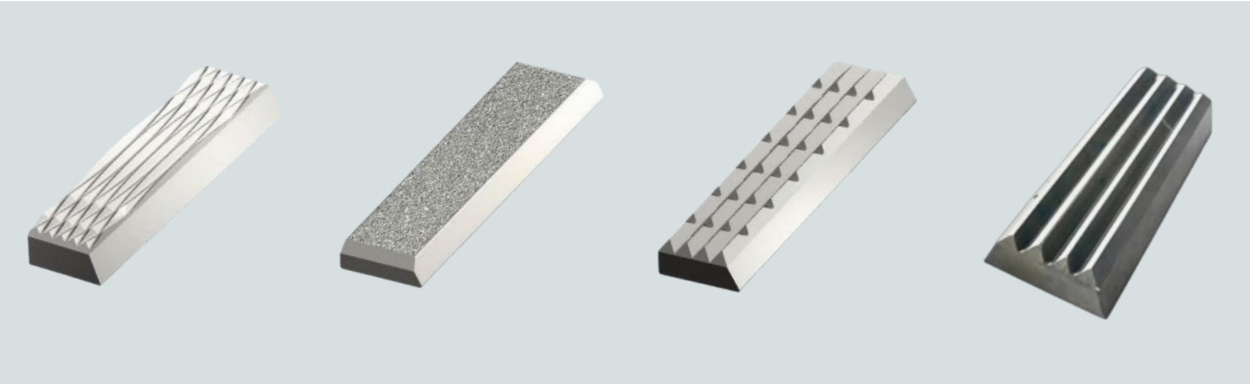
Specifications of the Product

Model	Size of Range(in)	Tortque(ft-lbs)
SCT 2036	18-36	159700
SCT 1020	9 5/8-20	96000
SCT 516	5-17	54300

Dies&Inserts

Our company provide a complete range of dental plates, such as tongs, power tongs, slips, chucks etc . The dental plate is made of high quality alloy steel, and after chemical heat treatment, the surface hardness is high, the core hardness is suitable, it has the advantages of wear resistance,corrosion resistance, cost less and long service life.
According to the actual needs of the field working conditions, the dental plate with different tooth shapes such as ordinary teeth, serrated micro-marks and no marks was designed.

Dies



Diamond Tooth Tong Die

Tong Die Use with Corrosion Resistant alloy (CRA) tubulars

Standard Tooth Tong Die

Straight Tooth Tong Die



Micro dental plaque

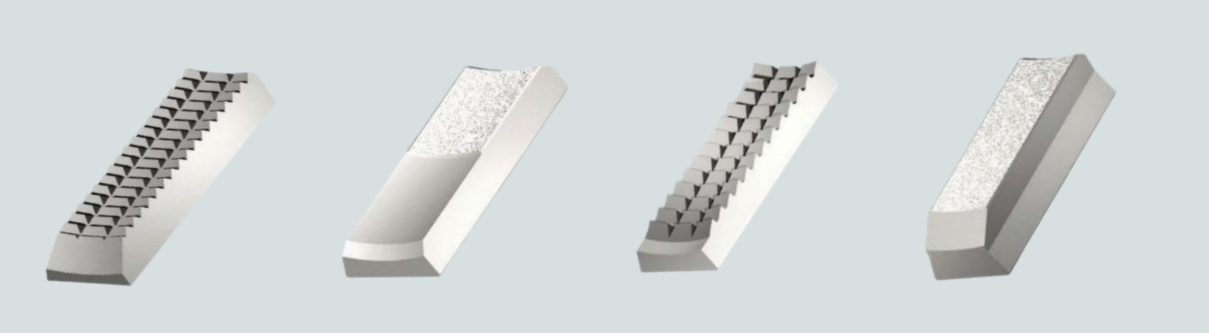
Pyramid Tooth Die

Pyramid Tooth Die

Specifications of the Product

Power Tong&CRT \ Die	Diamond Tooth Tong Die	Tong Die Use with Corrosion Resistant alloy (CRA) tubulars	Standard Tooth Tong Die	Straight Tooth Tong Die	Micro dental plaque	Pyramid tooth Die
KHT5500A	√	√	√	√	×	×
KHT5500A	√	√	√	√	×	×
KHT7625A	√	√	√	√	×	×
KHT8625	√	√	√	√	×	×
KHT9625	√	√	√	√	×	×
KHT13625	√	√	√	√	×	×
KT14000A	√	√	√	√	×	×
TQ508/70	√	√	√	√	×	×
KT24500	√	√	√	√	×	×
KT26000	√	√	√	√	×	×
KT31000	√	√	√	√	×	×
WTQ340	×	×	×	×	√	×
WTQ194	×	×	×	×	√	×
WXQ178	×	×	×	×	√	×
CRT	×	×	×	×	×	√

Inserts

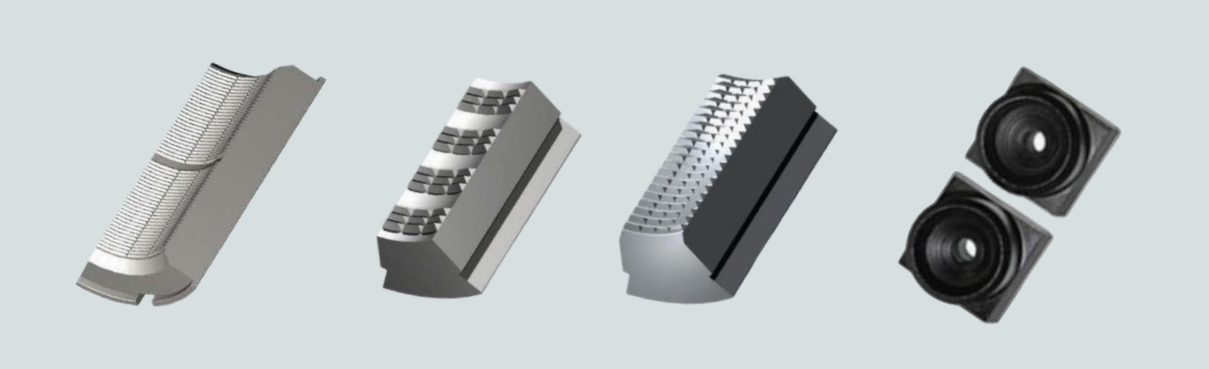


Beveled Insert

Insert Use with corrosion

Tooth CW coated insert

Insert Use with corrosion



Slip Insert

DU Standard Tooth Insert

DU Full Face Insert

Circular Button

Thread Protectors

The quick-release thread protector is a simple tool used to protect the thread of the pipe string during the transportation and use of the tubing and casing. The thread protector can be easily locked and loosened by operating the locking handle to achieve the purpose of protecting the thread.



Specifications of the Product

Model	Size of Range (in)
Thread Protector	2 7/8 - 30

Stabbing Guide

The SG-type tucker is suitable for quick tucting of tubing and casing, which is easy to operate and can effectively prevent the damage to the thread of the pipe string during the tucker process. The buckle is clamped on the coupling of the female buckle of the pipe column, and the male buckle of the pipe column is guided into the female buckle of the pipe column through the conical surface of the buckle.



Specifications of the Product

Model	Size of Range (in)
Stabbing Guide	2 3/8 - 30

Strap Wrench

Strap wrenches made of chromium-vanadium steel offer corrosion resistance, high strength, fracture and rust resistance, and good ductility, making them suitable for harsh indoor and outdoor environments including wet, acidic, and alkaline conditions.



Specifications of the Product

Model	Size of Range (in)
Strap wrenches	2 3/8-30