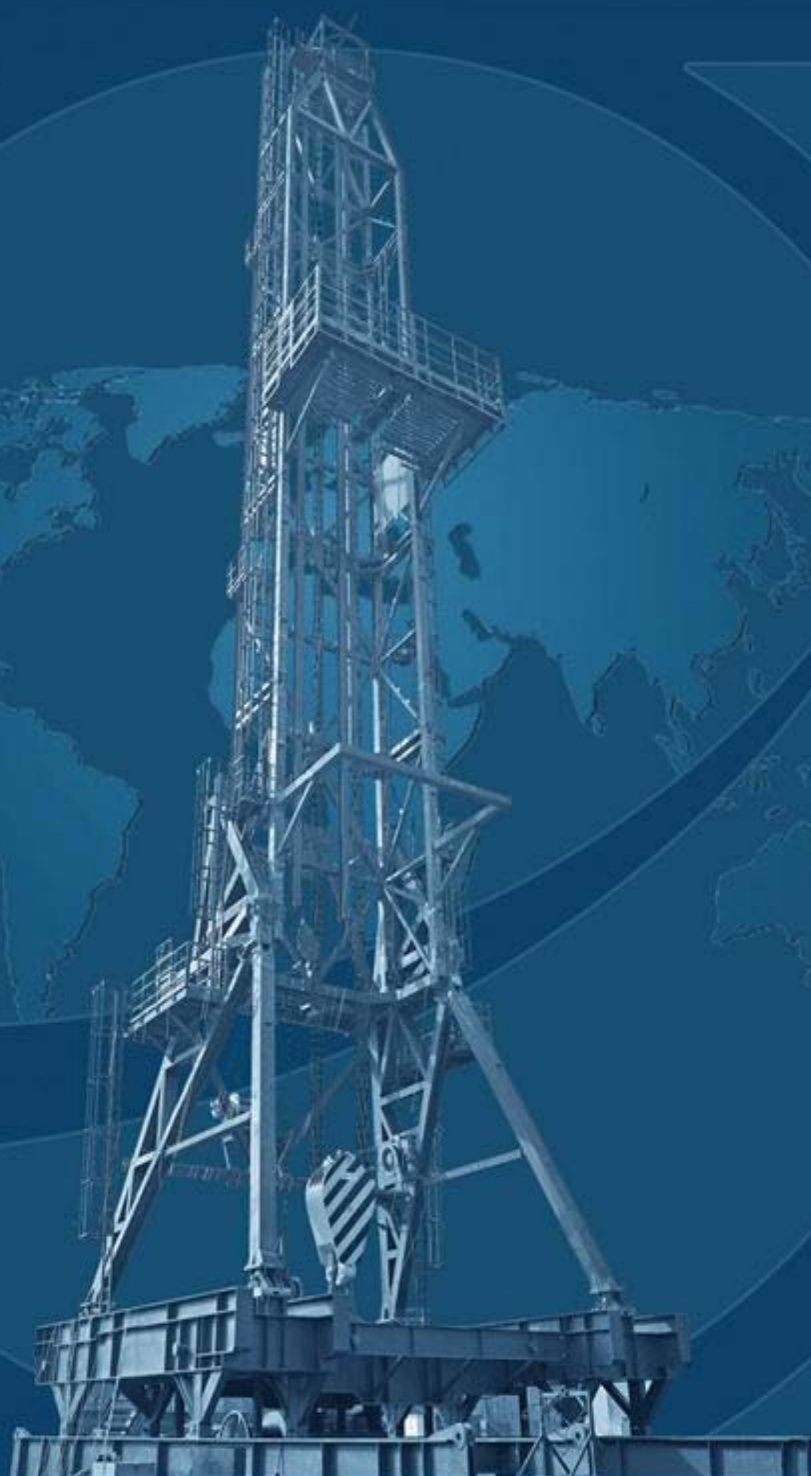


2013年 产品目录

2013 YAOU-NOW PRODUCTS



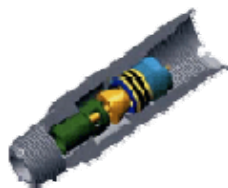
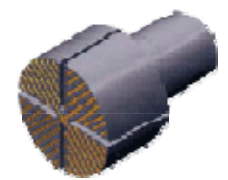
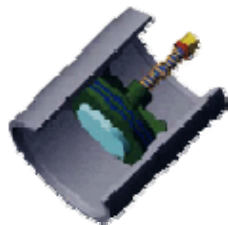
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RUGAO YAOU IMPORT AND EXPORT TRADE CO., LTD

[Http://www.yaoutrade.com](http://www.yaoutrade.com)

Email:yaouteam@gmail.com



		
Short Drill Pipe	drill pipe valve	arrow check valve
		
bypass valve	drill tool float valve	kelly cock valve
		
stabilizer	male coupling tap	flat bottom grinding shoe
		
magnetic fisher	female coupling tap	casing check valve
		
hydraulic anchor	packer	

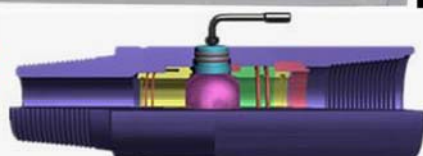
2013 PRODUCT CATALOG



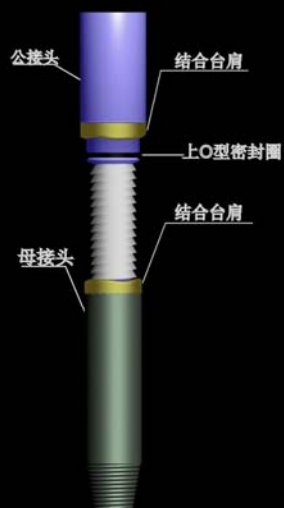
Sub



Check Valve



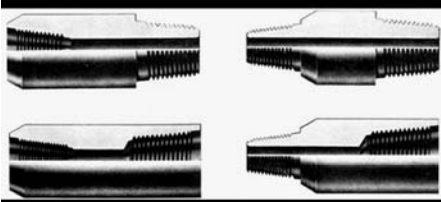
浮阀接头



KC45



KC25



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Sub★

1、The Cross-Over Sub The Cross-Over Sub (转换接头)



Cross-over sub acts for conversion and connection of drill stem component in petroleum ,natural gas and geology drilling work.It is used mainly for connecting of upper drill tools and lower drill tools during drilling operations.

The cross over sub in 4 types of main structure.

Sort	Description	Upper Connecting Part	Lower Connecting Part	Type
1	Kell cross-over sub	Kelly	Drill pipe sub	
2	Drillpipe cross-over sub	Drill pipe sub	Drill pipe sub	A or B
3	Interim cross-over sub	Drill pipe sub	Drill collar	A or B
4	Drillcollar crossOver sub	Drill collar	Drill collar	A or B
5	Drill bit cross Over sub	Drill collar	Drill bit	A or B
6	Swivel Cross over sub	Swivel lower sub	Kelly	C
7	Fishing cross over sub	Kelly	Drill pipe sub	C
		Drill pipe sub	Fishing tools	C

Type A stand for same diameter :one crossover sub has one size (D)on O.D.,code A.

Type B stands for reduce type:one crossover sub has two sizes (D1,D2) on O.D.,code B.

Type C is left hand thread type:the connection thread is left hand type,code C.

Lifting short sub type: cross over sub has connection on one end used for lifting of drill tool(without structure drawing).



2、Circulating Sub (循环接头)



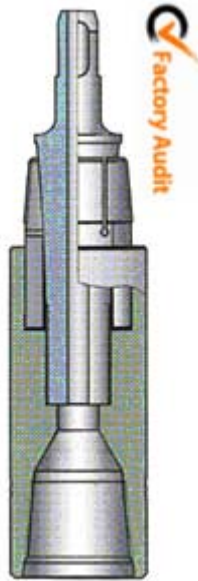
The circulating sub is a specialized tool for circulating drilling fluid when running in casing on the way or finishing running casing downhole. According to actual needs, there are circulating sub with casing thread and circulating sub with union thread.

Technical specifications and parameters

Type	I.D (mm)	Thread		Overall Length (mm)	Type	I.D (mm)	Thread		Overall Length (mm)
		Drill pipe Box	Casing thread (in)				Drill pipe Box	Casing thread (in)	
XJD88.9*139.7	57	NC38	5 1/2	580	XJD114.3*244.5	71	NC50	95/8	620
XJD114.3*139.7	71	NC50	5 1/2	580	XJD114.3*273.0	71	NC50	103/4	670
XJD114.3*177.8	71	NC50	7	600	XJD114.3*339.7	71	NC50	133/8	670
XJD114.3*193.7	71	NC50	7 5/8	600	XJD114.3*508	71	NC50	20	675
XJD114.3*219.1	71	NC50	8 5/8	600					



3、The reversing sub (倒扣接头)



The reversing sub is also called reversing spear which is a special tool for reversing stuck drill stem above stuck point in drilling and work over operation. In treatment of stuck drill stem, it can work as a fishing pin tap in reversing operation.

When fish is stuck or can not be reversed in fishing or reversing operation, the fish can be reversed from reversing sub and the fishing drill tool can be tripped out.

Technical specifications and parameters

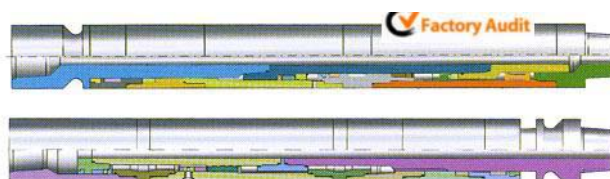
The reversing sub is also called reversing spear which is a special tool for reversing stuck drill stem above stuck point in drilling and work over operation. In treatment of stuck drill stem, it can work as a fishing pin tap in reversing operation.

When fish is stuck or can not be reversed in fishing or reversing operation, the fish can be reversed from reversing sub and the fishing drill tool can be tripped out.

Technical specifications and parameters



4、Type Safety Joint (H 安全接头)

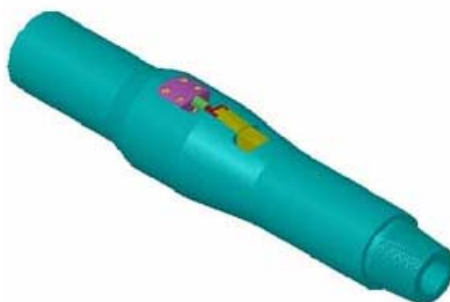


The H type safety joint, which is installed on the position required for subsurface drill stem and can bear in fishing operation all kinds of loads for pulling or pressing and used to transmit torque, is a subsurface safety equipment. In down hole operation, in case of being needed, the safety joint is easy to be discharged off so as to take out the drill stem above it. It is easy to butt the safety joint to go on fishing operation when running in hole again.

Technical specifications and parameters.

Type	O.D. (mm)	Thread (API)	I.D.(mm)	Max working Pull load(KN)	Max. Working torque KN.m
HAI-105	105	NC31(2 7/8"IF)	38	1340	12.70
HAI-121	121	NC38(3 1/2"IF)	38	1400	17.65
HAI-156	156	NC50(4 1/2"IF)	50	1500	35.00
HAI-159	159	NC50(4 1/2"IF)	50	1600	35.00
HAI-178	178	5 1/2"FH	80	2000	40.00
HAI-203	203	6 5/8"REG	90	2500	44.00

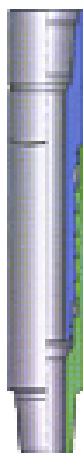
5、Side Entry Subs 旁通接头



Type	Max.OD	Fishing Dia.	ID	Length	Connection
PJ118-1-00(Z)	118	104.8	40	1000	NC3 B×P
PJ152-1-00	152	120.7	40	952.6	NC38 B×P
PJ197-1-00(Z)	197	159	71	1030	NC38 B×P



6、Type AJ Safety Joint (AJ 安全接头)



AJ type safety joint is a specialized joint consisting of two parts. The specialized joint takes protective effect for drilling stem in drilling, repairing and test oil (gas) engineering, etc. It is used to treat well bottom accident and used to be on -the -way test in drilling and coring operation. It is connected to the required position of drilling stem to protect drilling stem without any influence on the normal working of drilling tool.

Technical specifications and parameters.

c	O.D. (mm)	Thread (API)	I.D.(mm)	Tensile yield load(KN)	Allowed Torque(N.m)
AJ86(3 3/8")	86	NC26(2 3/8"IF)	44	1395	9200
AJ95(3 3/4")	95	2 7/8 REG	32	1536	12100
AJ105(4 1/8")	105	NC31(2 7/8"IF)	54	2205	17900
AJ121(4 3/4")	121	NC38(3 1/2"IF)	62	2612	24500
AJ146(5 3/4")	146	NC46(4"IF)	1	3802	46200
AJ159(6 1/4")	159	NC50(4 1/2"IF)	82	4938	60600
AJ178(7")	178	NC50(4 1/2"IF)	82	5568	76300
AJ203(8")	203	6 5/8" REG	101	6445	100600
AJ86(3 3/8")	229	7 5/8" REG	101	7245	100600



7、Tool Joint



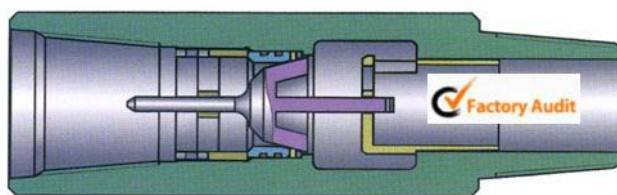
Tool Joint are made of AISI 4137 premium alloy steel fully and machined by CNC lathes. All connections are phosphatized, coated with lubricant and provided with thread protectors. All tool joints should be inspected at full length by fluorescence magnetic particle and ultrasonic method. Tool joints are for pipes from 2 3/8" to 6 5/8", grade is E 75, G 105 and S 135; upset style is EU, IEU or IU.

Technical specification and parameter

Tool joint code	DP nominal weight LB/R	Steel grade	O.D.(in)	I.D.(in)	Pin tong space(in)	Box tong space(in)	Pin/Box bevel diameter(in)
NC31	10.4	G105	4 1/8	2	7	9	3 61/64
		S135	4 3/8	1 5/8	7	9	3 61/64
NC38	13.3	G105	5	2 7/16	8	10 1/2	4 37/64
		S135	5	2 1/8	8	10 1/2	4 37/64
NC46	16.6	X95	6 1/4	3	7	10	5 23/32
		G105	6 1/4	3	7	10	5 23/32
		S135	6 1/4	2 3/4	7	10	5 23/32
NC50	19.5	X95	6 5/8	3 1/4	7	10	6 1/16
		G105	6 5/8	3 1/4	7	10	6 1/16
		S135	6 5/8	2 3/4	7	10	6 1/16



8、Oriented Bent Sub



Oriented bent sub is a major power deflection tool having a fixed angle a deviated from low end thread of the bent sub to axial line of drill stem, the power drill tool under the application of oriented bent sub gives the bit a constant lateral force to ensure that the bit can cut on the well-wall laterally and further drill into a curved well trace.

Technical specification and parameter

Type	O.D.mm(in)	Connection		Bent angle a(degree)	I.D. of oriented sleeve (mm)
		Box	Pin		
DZT89	89(3 1/2)	NC26	NC26	1.5	36
				2	
DZT140	140(5 1/2)	NC38	NC38	03.5	36
DZT159	159(6 1/4)	NC46	4 1/2 REG		50
DZT165	165(6 1/2)	NC50	NC50		50
DZT178	178(7)	5 1/2 FH	5 1/2 FH		50
DZT203	203(8)	6 5/8 REG	6 5/8 REG		50

9、Rubber Blast Joint 橡胶防磨接头

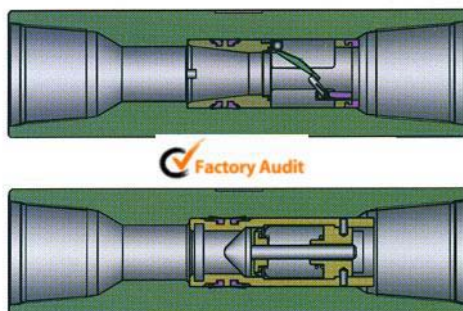


Type	OD	Fishing Dia.	ID	Length	Connection
FBJ156-1	156	136.5	61.9	1070	NC38 B×P
FBJ197-1	197.5	178	69.9	1070	NC50 B×P

Note: When ordering or requesting quotation, if size other than above specifications, please specify clearly



10、Float valve sub



Technical specifications and parameters

Type	Sub O.D.(mm)	Joint thread	Valve O.D.(mm)	I.D.(mm)
FFJT241	241.3	7 5/8 REG	121	76
FFJT228	228.6	7 5/8 REG	121	76
FFJT209	209.6	6 5/8 REG	121	76
FFJT203	203.2	6 5/8 REG	121	71
FFJT178	177.8	4 1/2 IF	98	71
FFJT165	165.2	4 1/2 REG	88	57
FFJT146	146	4 1/2 REG	88	57
FFJT121	121	3 1/2 REG	61	51
FFJT108	108	3 1/2 REG	61	38



11、Drilling Reamer (随钻铰孔器)



The roller stabilizer (drilling reamer) is used for all kinds of reaming stabilization in drilling operation, especially the function of stabilization in drilling of the abrasive formation. It is a very popular tool for hole size from 4 5/8 to 26". Additionally, it can be used in different hole when same body is equipped with different bearing block and roller. The body is made of modified alloy steel, fully heat treated to 285~341Brinell hardness and 54J minimum impact strength.

Rollers are available below:

1. Narrow-teeth type is used for cutting of hole wall for soft formation.
2. Wid-flat-teeth type is used for crushing into pieces of borehole wall for medium and hard formation.
3. Inserted tungsten carbide alloy type is for hard formation.

Technical specification and parameters

Type	Hole (in)	Thread API	O.D.(mm)	I.D(mm)	Overall Length (mm)	O.D.on each end (mm)	Roller dia. (mm)	Roller length (mm)
JKQ155	6 1/8	3 1/2"	155	31.7	1470/1572	140	51	200
JKQ206	8 1/8	4"IF	206	38	1600	160	70	200
JKQ212	8 3/8	4 1/2"REG	212.7	44	1600	160	70	200
JKQ215	8 1/2	4 1/2"REG	215.9	50.8	1730/1844	160	70	250
JKQ244	9 5/8	NC50	244	57	1800	178	70	250
JKQ311	12 1/4	6 5/8"REG	311.2	71	1773/2127	203	105	300
JKQ444	17 1/2	7 5/8"REG	444.5	76	2200	228	140	350
JKQ660	26	7 5/8"REG	660.4	76	3000	254	178	400



12、Drill Tool Lifting Sub (钻具提升短节)



The drilltool lifting sub is the special tools for lifting of the drilltools in petroleum ,natural gas industry and geologic exploration.The drill tool lifting sub is divided into a or b type structure.The a type has 18 degree shoulder,the b type has 90degree shoulder.The lifting sub can be selected according to elevator's structure. The integral lifting subs are made of high strength alloy steel. All connections are complied with API standard.

Technical specifications and parameters

No.	Nomi size D+/-0.1 mm(in)	ID d/mm	External Thread connection				Lifting end		
			Thread type	OD D _p +/-0.1 mm(in)	Bevelled D _E /mm	Tong Space L _{PB} /mm	D _B +/-0.1	Tong Space L _B mm	
1	73	31.8	NC23	79.4	76.2	250	111.1	100	
2	(2 7/8)	44.5	NC26(2 3/8)	88.9	82.9				
3	89 (3 1/2)	54	NC31(2 7/8)	104.8	100.4		127		
4		50.8	NC35	120.7	114.7				
5		68.3	NC38(3 1/2)	127	121				
6	127(5)	71.4	NC44	152.4	144.5		168.3		
7				158.8	149.2				
8		82.6	NC46 (4" IF)	158.8	150				
9				165.1	154.8				
10				171.5	159.5				
11	127	82.6	NC50(4 1/2"IF)	177.8	164.7	250	168.3	100	
12				184.2	169.5				
13			NC56	196.8	185.3	300			
				203.2	190.1				
14			6 5/8"REG	209.6	195.7				
15			95.3	NC61	228.6				212.7



16			7 5/8"REG	241.3	223.8			
17			NC70	247.7(9 3/4)	232.6			
18				254(10)	237.3			
19			NC77	279.4(11)	260.7			
20								

13、Stabilizer with Rollers(Rotary Reamer) 滚轮稳定器（绞孔器）



Stabilizer with Rollers(Rotary Reamer)

The **Rotary Reamer** is designed for various reaming operation but particularly for stabilization purposes when drilling in very abrasive formations. It will fit hole sizes ranging from 5-7/8" to 28". In addition, each body by simple adjustment of blocks and proper selection of cutters, will suit a wide range of hole sizes.

Three different types (T, F and B) of cutters are offered:

Type T: Milled, machined with hardfaced sharp teeth for soft formations.

Type F: Milled, machined with hardfaced flat teeth, for medium hard formations.

Type	Hole Size	Stabilizer with rollers(Rotary reamer)					
		Connection	Overall Length	Neck OD	Cutter Dia.	Cutter Length	



WG711-49. 5D-1-00	28"	7-5/8REG	2867	241	178	400
WG660-410D-1-00	26"	7-5/8REG	3000	241	178	400
WG609-49. 5D-1-00	24"	7-5/8REG	2800	241	158	400
WG558-49. 5D-1-00	22"	7-5/8REG	2667	241	158	400
WG444. 5-39D-1-00	17-1/2"	7-5/8REG	1900	229	140	304
WG311-38D-2-00	12-1/4"	6-5/8REG	2000	203	100	300
WG215-26D-2-00	8-1/2"	NC50 4-1/2REG	1730	165	71	200
WG152-24D-1-00	6"	NC38 3-1/2REG	1400	121	50.6	200
WG149-24D-1-00	5-7/8"	NC38 3-1/2REG	1400	121	46.2	200

Note: When ordering or requesting quotation, if size other than above specifications, please specify clearly.

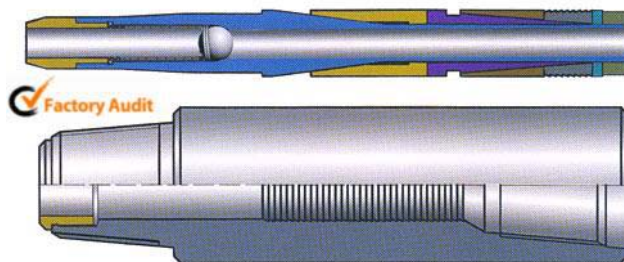
14、Tubing Blowout Control Valve 油管防喷阀



Type	OD	ID	Length	Connection	W.P.
J017N	130	50	405	3-1/2EVE B×P	5000psi 1000psi
J017P	140	50	420	4-1/2EVE B×P	5000psi 1000psi
J017Q	140	50	420	4-1/2NV B×P	5000psi 1000psi



15、Type FT Drop-in Check Valve {投入式止回阀}



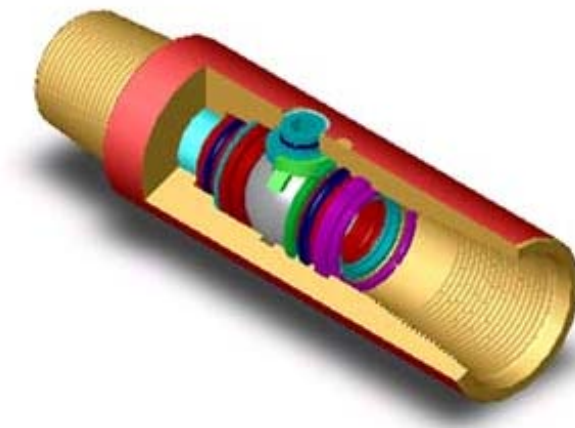
It is an inside BOP (blowout preventer) in the drill string. It is simple in structure and easy to operate. When blowout is going to be happened, the thread connections of the Kelly are screwed out immediately and the back pressure valve is put into the I.D. of drill pipe and then pumped downward to the required place. Thus the blowout accident can be prevented. The tool is consisting of landing sub and check valve assembly. The landing is thread connected with stop ring and tightened on and put into downhole with drill string. The landing sub is used as a sub above drill string before check valve is run in downhole.

Technical specifications and parameters

Specification	Check Valve Assembly		Landing Sub			Seal Pressure Mpa	Connection API
	O.D (mm)	I.D (mm)	O.D (mm)	I.D (mm)	Length (mm)		
FT86	35	10	86	37	335	35 (70)	NC26
FT105	38	12	105	40	350		NC31
FT121	50	20	121	52	395		NC38
FT152	54	24	152	56	410		NC46
FT159	65	35	159	67	435		NC50
FT159	68	35	159	70	435		NC50
FT165	68	35	165	70	435		NC50
FT178	76	43	178	78	515		NC50
FT203	76	43	203	78	620		6 5/8"REG
FT229	76	43	229	78	620		7 5/8"REG



16、Kelly Cock Valve （方钻杆旋塞阀）



The kelly cock valve ,which is a manually operated ball valve run in the I.D of drill string ,is one of effective tool for prevention from blowout .The kelly cock is divided into upper kelly cock valve and lower kelly cock . The upper kelly cock is connected between lower end of swivel and upper end of kelly. The lower kelly cock is connected between upper end of drillpipe and lower end of kelly or connected between lower end of kelly saver subs. The kelly cock features a simple operation, the kelly cock can be opened on or closed off by only turning the special operating spanner at 90 degrees according to indicating direction.During drilling operation,in order to avoid serious well kick or blowout accident, the kelly cock shall be connected at upper end and lower end of kelly.

Table 1. Upper Kelly Cock

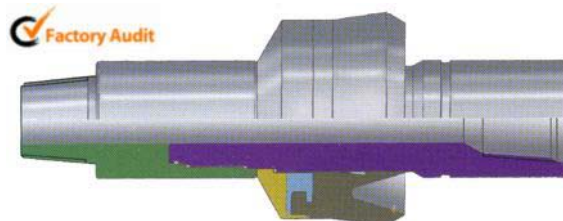
Type	OD. (mm)	Thread connection API (in)	I.D. (mm)	Max.sealing pressure (Mpa)
CS146	146	4 1/2REG LH	57	68.6
CS200	200	6 5/8REG LH	75	68.6

Table 2 Lower Kelly Cock

Type	OD. (mm)	Thread connection API	I.D. (mm)	Max.sealing pressure (Mpa)
XS105	105	NC31	40	68.6
XS121	121	NC38	51	68.6
XS127	127	NC38	51	68.6
XS178	178	NC50	70	68.6



17、TSQ Type Casing Pressure -Testing Plug (TSQ 套管试压堵塞器)



The pressure -test plug is a specialized tool used in testing the pressure of casing string and blowout preventer stack in drilling or field. When the oil, air or water well in which the casing has been run and wellhead equipment has been installed works for primary laying pressure testing for casing and blowout preventer stack, adoption of this tool shall be easy and reliable. The leather cup of plug is made of special super rubber materials, the sealing working pressure is up to 75Mpa.

Technical specifications and parameters

Type	Thread connexction	Applicable casing		Bearing area of plug (cm ²)	Max. bearing capacity Mpa	Length (mm)
		O.D.(in)	I.D.(mm)			
TSQ127	NC26	5	108.6-115.8	81	75	640
TSQ140	NC31	5 1/2	A 125.7-128.1	104	75	700
			B 118.6~124.3	96		
TSQ178	NC38	7	A 159.4~166.1	155	75	700
			B 150.4~157.1	133		
TSQ245	NC50	9 5/8	A 224.4~228.7	305	75	840
			B 216.8~222.4	282		
TSQ273	NC50	10 3/4	A 250.1~258.9	402	75	840
			B 242.8~247.9	366		
TSQ339	NC50	13 3/8	A 317.9~322.9	682	75	840
			B 311.6~315.3	657		



18、The Kelly Splash Valve 方钻杆防溅阀



The Kelly splash-proof valve is a necessary tool preventing fluid flowing from Kelly to drill floor and keeping the operating environment from being contaminated by fluid when making a connection or Kelly is taken out of hole and discharged off.

Technical specifications and parameters

O.D. (mm)	Length (mm)	Thread Conn.(in)		Spring Load (KN)			Pressure to cut off vale (Map)	Bar moving (mm)
		Top	Down	Min	Max	Limit		
165	570	4 1/2"IF Box	4 1/2"Pin	1	2.2	2.5	1	30
203	790	5 1/2"FH Box	5 1/2"Pin	1	2.2	2.78	1	30



19、The Inside BOP 内防喷器



The inside blowout preventer is the necessary tool assigned by the international Association of Drilling Contractors (IADC) in drilling operations. When the blowout is happened during drilling tools are coming out of hole, the inside blowout preventer is needed, because the drill pipes as much as possible shall be put into hole again. The inside blowout preventer in fig.1 is the new developed product which has been used to substitute import product and used in some big oilfields in China. After being tested and used by the consumers, it has fully proved that the features and construction for the product has caught up the international levels.

Technical specifications and parameters

Inside Blowout Preventer				
Thread type(in)	O.D.(in)	I.D.(in)	Length(in)	Remarks
2 3/8IF	3 3/8~3 3/4	1 1/2	26	
2 7/8IF	4 1/8~4 1/4	1 3/4	28~30	
3 1/2IF	4 3/4~5 1/4	2	30~31	
4IF	6 1/4~6 3/4	2 1/2	33~34	
4 1/2IF	6 3/8~7	2 13/16	33~34	
5 1/2FH	7~7 1/2	2 13/16	33~34	
6 5/8REG	8	2 13/16	34	
7 5/8REG	9 1/2	2 13/16	34	



20、IBOP for Top Drive 顶部驱动阀



SJ-DRILLING

IBOP for Top Drive used for top drive. It includes Upper IBOP for Top Drive and Lower IBOP for Top Drive. They are used for top drive drilling system with joined one by one.

The seals for upward and downward pressures provide dependable high-pressure service. It has a pressure rating of 10,000psi or 15,000psi respectively at the factory. The bore of the valve body and all internal parts are special treated to prevent damage from corrosion and have a long life service.

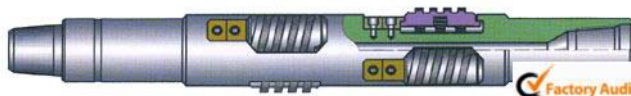
Type	O. D.	I. D.	Connection (API)	OAL
DXS187 Upper IBOP	187	77.8	6-5/8REG	572 (22-1/2)
DSS187 Lower IBOP	(7-23/64)	(3-1/16)		523 (20-19/32)
DSS197 Upper IBOP	197	77.8	6-5/8REG	572 (22-1/2)
DXS197 Lower IBOP	(7-3/4)	(3-1/16)		523 (20-19/32)
DSS216 Upper IBOP	216	77.8	6-5/8REG	600 (25-5/8)
DXS216 Lower IBOP	(8-1/2)	(3-1/16)		512 (20-5/32)
DSS254 Upper IBOP	254	102	8-5/8REG	800 (31-1/2)
	(10)	(4)		

Note: When ordering or requesting quotation, if size other than above specifications, please specify clearly.



21、Casing Scraper

套管刮削器



Casing scraper is ideal for the removal of dirties which may be left the inside wall of casing, such as solid cement, hard wax, various salt crystals or deposits, rusting, so as to make all downhole tools pass through unblocked. At present, casing inside wall of casing scraper in many leading oilfield of china has becomes annecessary step.

Technical specification and parameter

Type	Max. O.D. of blade stretch out (mm)	Min. O.D. of blade stretch out (mm)	Connection	Casing Size (in)
GX114	106	95	NC26	4 1/2
GX127	118	105	NC26	5
GX140	130	117	NC31	5 1/2
GX168	158	141	3 1/2 REG	6 5/8
GX178	166	149	3 1/2 REG	7
GX245	230	212	4 1/2 REG	9 5/8

22、Sand Removal Clarifier 清砂器



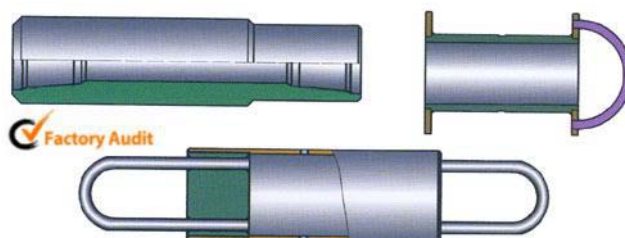
Specification: All kinds of specification.

Working OD	Fishing OD	Connection	Bore (in/mm)	OAL	Blade Length	Blade Wide
203.2	165.1	NC50	71.4	1200	150	50.8



23、Drift

通径规



Drift is a simple and general tool designed to measure inside size of casing, tubing, drill pipe and other pipes. Drifts are available in casing drift and tubing drift.

Technical specification and parameter

Casing drift(in)	4 1/2	5	5 1/2	5 3/4	6 5/8	7
O.D.(mm)	92-95	102-107	114-118	119-128	136-148	146-158
Length(mm)	500	500	500	500	500	500
Up connection	NC26 2 3/8TBG	NC26 2 7/8TBG	NC31 2 7/8TBG	NC31 2 7/8TBG	NC31 2 7/8TBG	NC38 3 1/2TBG
Down connection	NC26 2 3/8TBG	NC26 2 7/8TBG	NC31 2 7/8TBG	NC31 2 7/8TBG	NC31 2 7/8TBG	NC38 3 1/2TBG

Tubing size(in)	1 1/2	2	2 1/2	3	3 1/2	4
O.D.(mm)	38	48	59	73	84	95
Length(mm)	500	500	500	500	600	600

Pipe type	Specifications(in)	Drift size	
		Length (mm)	Min.diameter (mm)
Casing	$\leq 8 \frac{5}{8}$ $9 \frac{1}{8} \sim 13 \frac{3}{8}$ ≥ 16	150 , 305 , 305	d-3.18 d-3.97 d-4.76
Tubing	$\leq 2 \frac{7}{8}$ $\geq 3 \frac{1}{2}$	1067 , 1067	d-2.38 d-3.18



24、Lifting cap

提丝

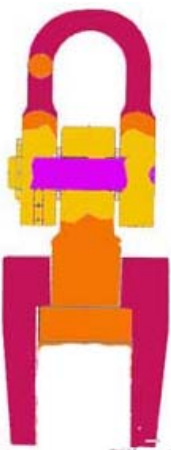


Lifting cap is a special tool for lifting of drilling tools in petroleum, natural gas, drilling engineering and geographical exploration.

Technical parameter for lifting cap

Connection	O.D.(mm)	Length(mm)	Connection	O.D.(mm)	Length(mm)
7 5/8 REG Pin	210	290	7 5/8 REG Box	230	290
6 5/8 REG Pin	190	280	6 5/8 REG Box	200	280
NC50 Pin	155	270	NC50 Box	160	260
NC46 Pin	150	270	NC46 Box	160	260
NC38 Pin	115	260	NC38 Box	120	270
NC31 Pin	100	210	NC31 Box	120	220
2 3/8 REG Pin	80	190	2 3/8 REG Box	110	200
NC26 Pin	89	200	NC26 Box	110	200
3 1/2 REG Pin	100	220	3 1/2 REG Box	130	270
4 1/2 REG Pin	145	260	4 1/2 REG Box	160	260
2 7/8 EUE Pin	80	220	2 7/8 EUE Box	80	220

25、Tubing Rotary Lifting Cap 油管旋转提丝





Specification: All kinds of specification.

26、Hydraulic Cutters 水力割刀



Type	Body O.D	Casing range	Connection	Arm No.Rang	Arm No.Rang	Arm No.Rang
BFK-GD1-00	11-3/4"	13-3/8" ~60"	6-5/8REG	C-13-8-19	C-13-8-36	C-13-8-52
	(298mm)			13-3/8"	13 3/8" ~30"	20" ~36"
BFK-GD2-00	5-3/4"	7" -16"	3-1/2REG	C-7-8-9	C-7-8-15	
	(146mm)			7"	8 5/8" ~113/4"	

The Marine Casing Cutter is built to withstand extreme shock encountered in cutting multiple strings of uncentralized conductor pipe. Due to the unique construction of this tool, the rugged cutter arms expand outward up to 5 times the diameter of the tool body and achieve maximum stability under all types of adverse cutting conditions, including hard spots, eccentricity, interrupted cuts, etc. For example, the 13-3/8 " casing cutter measures only 11-3/4 " diameter and cuts all ranges and weights of pipe through 60 " .

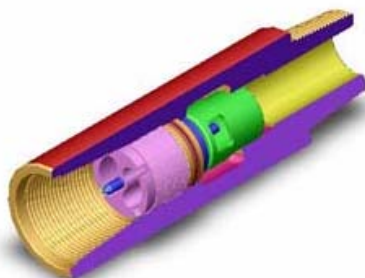
Advantages:

- Cuts multiple strings smoothly, even when each string is not concentric.
- Affords maximum expansion of blades up to 5 times body diameter.



27、FJ Type-Arrow Back Pressure Valve

箭形止回阀



FJ Type-Arrow Back Pressure Valve is an important tool in preventing of blowing out in drilling operation. Comparing to other structural valves, it possess some advantage such as high strength, big flowa area, high temperature resistant, high pressure resistant, and easily maintenance.

Technical specifications and parameters

Type	O.D.(mm)	Connection	I.D.(mm)	Working Pressure(MPa)
FJ229	229	7 5/8 REG	82	70(35)
FJ203	203	6 5/8 REG	82	70(35)
FJ178	178	5 1/2 FH	82	70(35)
FJ168	168	NC50	82	70(35)
FJ165	165	NC50	82	70(35)
FJ159	159	NC46	70	70(35)
FJ121	121	NC38	56	70(35)
FJ105	105	NC31	44	70(35)
FJ89	89	NC26	33	70(35)



28、Drill Pipe Saver (Wet box) 钻杆防喷盒



Specifications: 3-1/2", 5", 5-1/2"

During the pulling of wet strings of drill pipe, the saver helps prevent the unnecessary loss of costly drilling fluids and helps maintain a safer, cleaner work area.

This tool features quick-opening and closing latch assembly that provides an easy, quick operation. Its special sealing rubber can be easily replaced whenever necessary. The saver is equipped with a threaded side coupling. Operator can connect the coupling to the shaker pit with a hose. When the drill pipe is disconnected, the fluid will flow into the pit directly.

29、Cementing Spiders 注水泥卡盘

