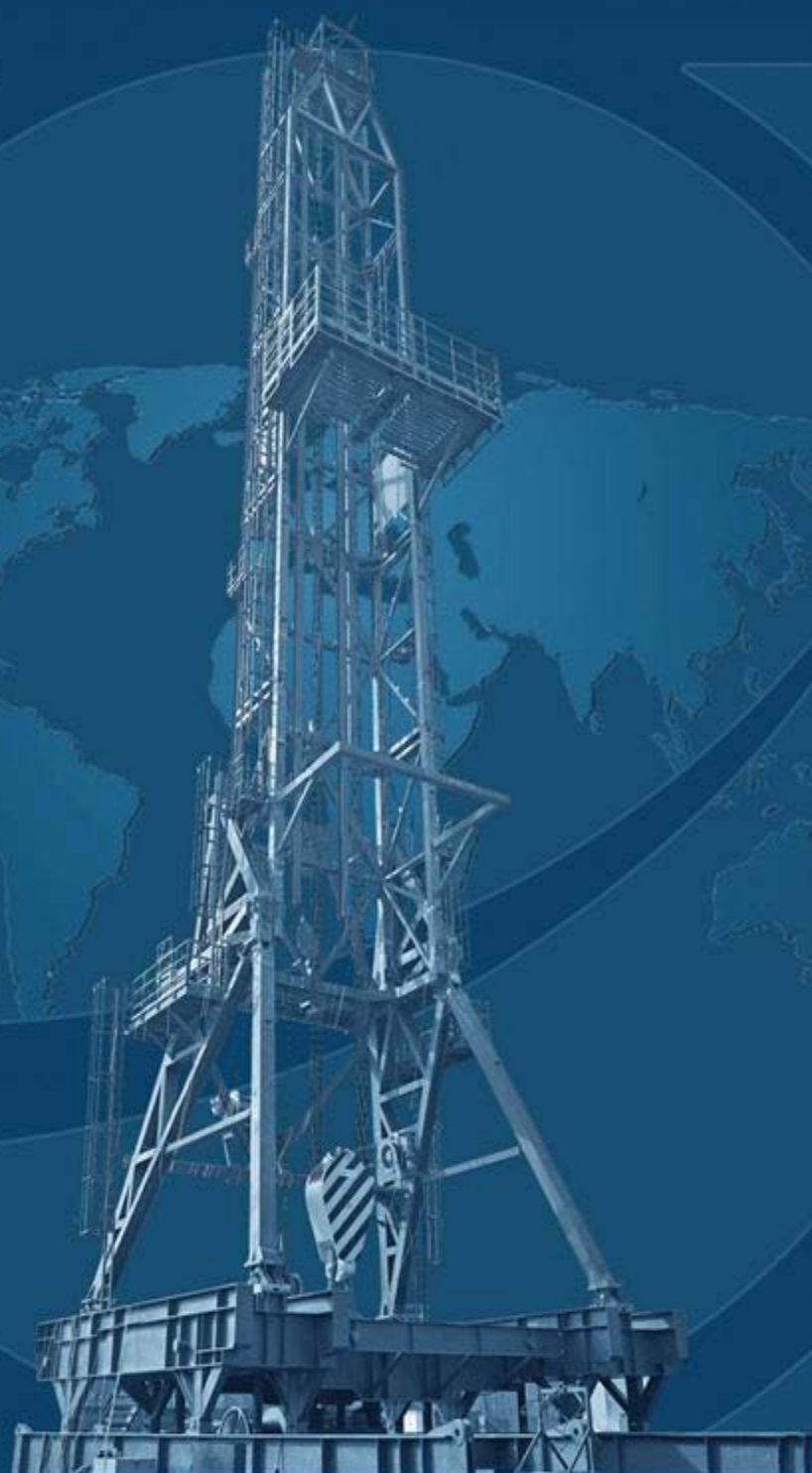


2013年 产品目录

2013 YAOU-NOW PRODUCTS



如皋市雅鸥进出口贸易有限公司
RUGAO YAOU IMPORT AND EXPORT TRADE CO., LTD

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Drilling Jar



RUGAO YAOU IMPORT EXPORT CO.,LTD
如皋市雅鸥进出口贸易有限公司

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1、Drilling Jars Type BZ BZ 型随钻震击器



Drilling Jar Type BZ is full mechanical type drilling jar and releasing stuck tool. The Drilling Jar integrates the upward jarring with the downward jarring so that it can release from the tight pull or the sticking etc. during drilling. The load (jarring force) scope of the upward jarring and the downward jarring is so wide that it can be adjusted in the maintenance station or in the well site according to the requirement. The special flexible joint can reduce the flexural stress of the drilling jar body efficiently. So it is the first selected drilling jar for vertical well, deep well, directional well and complicated well operations.

Type	O.D(mm)	I.D(mm)	Connection(API)	Max. Upward Jarring Force (kN)	Max. Downward Jarring Force (kN)	Overall Length(mm)
BZ121	φ121	φ50.8	NC38	450	230	6356
BZ159	φ159	φ57.2	NC50	630	360	10735
BZ165	φ165	φ57.2	NC50	630	360	10735
BZ196	φ196	φ71.4	6-5/8REG	820	460	10358
BZ203	φ203	φ71.4	6-5/8REG	820	460	10358



2、CSJ Type Super Fishing Jar CSJ 型超级震击器



CSJ type super fishing jar is a fishing tool which the jarring force is larger than other jar with same specification.

It features a closed structure, reliable performance, easy to adjust and easy to operate. It is a new type of up jarring tool used in oilfield, geological exploration and drilling operation.

Data for surface test

Type	Low tension test KN(tf)	High tension test KN(tf)	Type	Low tension test KN(tf)	High tension test KN(tf)
CSJ42	30~60(3.060~6.12)	200~160(20.41~16.33)	CSJ65	50~100(5.1~10.2)	500~400(51~40.82)
CSJ44	30~65(3.060~6.63)	250~180(25.51~18.36)	CSJ70	50~100(5.1~10.2)	500~400(51~40.82)
CSJ46	30~70(3.060~7.14)	280~200(28.6~20.4)	CSJ76	50~150(5.1~15.3)	650~450(66.3~45.9)
CSJ62	40~90(4.080~9.18)	450~350(45.9~35.7)	CSJ80	50~150(5.1~15.3)	650~450(66.3~45.9)
CSJ64	50~100(5.1~10.2)	500~400(51~40.82)			

Technical specifications and parameters

Type Parameter	CSJ42	CSJ44	CSJ46	CSJ62	CSJ64	CSJ65	CSJ70	CSJ80
Pull-down length(mm)	3980	3980	3980	4098	4177	4177	4250	4318
O. D. (mm)	108	114	121	160	165	168	178	203
I.D.(mm)	32	51	51	57	57	57	60	71
Stroke (mm)	305	305	305	320	320	320	320	330
Tensile load (KN)	700	780	980	1270	1370	1470	1570	1870
Max.tension downhole(KN)	300	340	400	700	750	800	800	800
Sealing pressure Mpa	20	20	20	20	20	20	20	20
Highest working temperature	150	150	150	150	150	150	150	150
API connection	NC31	NC31	NC38	NC50	NC50	NC50	NC50	6 5/8"REG



3、DJ Type Surface Jar DJ 型地面震击器



The surface jar is an effective tool for resolving the problem of stuck drill tool in down hole. It is connected with the surface section of drill string, the device to adjust the tonnage shall protrude from the rotary disc face, the violent down jarring to the stuck catch can be clearly seen when the surface jar makes jarring operation. The jarring strength for the tool can be easily adjusted and it is a easy operated ,unique designed tool which can make continuous down jarring .The surface jar ,which not only can bear heavy load and strong torque but also owns a good sealing property and can withstand the mud circulation with high pump pressure, has proven to be an safe, successfully effective releasing tool through many years' application.

Make-up torque Unit:KN.m

Model	connections for external bowl.	Between top sub and central pipe	Between Central pipe and slip mandrel	Between tailpipe and lower sub
DJ46	8	5	5	2.5+(-)0.25
DJ170	39	12.7	6.4+(-)0.49	3.9+(-)0.39

Technical specifications and parameters

Model	DJ46(4 3/4")	DJ70(7")
O. D. mm (in)	121(4 3/4)	178 (7)
Max. Jarring force MN(tf)	0.6(61+(-)5)	0.8 (80+(-)5)
Max. Tension Load MN(tf)	1.2(122.00)	1.5 (153.00)
Sealing Pressure Mpa (kgf/cm ²)	15(153.00)	15 (153.00)
Stroke mm (in)	1000 (~39)	1220 (~48)
I. D. mm (in)	32(1 1/4)	61 or 51(2 3/16 or 2)
Thread Connection	NC38(3 1/2" IF)	NC50 (4 1/2" IF)
Closed Length mm (in)	2500 (94.43)	3000 (94.43)
Total Weight (kgs)	200	525



4、ZSJ /ZXJ Type Full Mechanical Drilling Jar ZSJ/ZXJ 型随钻震击器



The drilling jar which is connected with drill tool and worked with drill string is a downhole stuck freeing tool in drilling operation .It is a first selected tool for directional well,complicated well and deep well.The drilling jar is consisting of ZSJ type drilling up jar and ZXJ type drilling down jar,both they can be used mutually or operated separately .The up jarring section takes use of hydraulic mechanism,the jarring force can be adjusted according to up elevating load but can not exceed the max.load for tool load rated .The down jarring section takes use of mechanical friction mechanism, the jarring force is well preadjusted by adjusting device before put into downhole.No re-adjustment can be allowed after jar is put into downhole.

Up jarring test data

Type	ZSJ80	ZSJ76	ZSJ70	ZSJ62	ZSJ56	ZSJ46
Rated release force (KN)	400~600	400~600	350~550	300~450	200~350	150~250

Down jarring test data

Type	ZXJ80	ZXJ76	ZXJ70	ZXJ62	ZXJ56	ZXJ46
Max. release force (KN)	600	600	550	500	400	250

Technical specifications and parameters

Type Parameters Item		ZSJ 80 ZXJ 80	ZSJ 76 ZXJ 76	ZSJ 70 ZXJ 70	ZSJ 62 ZXJ 62	ZSJ 56 ZXJ 56	ZSJ 46 ZXJ 46
O.D.(mm)		203	197	178	160	146	121
I.D.(mm)		71.4	71.4	70	57	57	51
Pull down overall length (mm)	Up	5515	5515	5424	5360	5730	5270
	Down	5250	5250	5215	5208	5000	5125



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Pull down stroke(mm)	Up	368	368	344	344	332	305
	Down	178	178	178	178	180	178
Thread conn. API		6 5/8"REG	6 5/8"REG	NC50	NC46	6 5/8"REG	NC38
Max.tensile load(KN)		2500	2500	2500	2500	2500	2500
Max.Working Torque(N.m)		20*10 ³	18*10 ³	15*10 ³	15*10 ³	15*10 ³	13*10 ³
Weight(KG)	Up	1085	980	680	530	480	330
	Down	1027	920	645	520	457	310



5、ZJS Type Jar Intensifier ZJS 型震击加速器



The ZJS type jar intensifier is a down hole fishing jar designed to increase jarring energy to up jar .Therefore ,it must be run in conjunction with CSJ type super jar or YSJ type hydraulic up jar .Its function mainly is to supply acceleration to the upper end of the jar during the free jarring stroke .With a special function ,the intensifier is essentially a fluid spring which not only can accelerate the up jarring action but also make the jarring action directly to strike on the fish and reduce damages to the drill tool and fishing tool .

Technical specifications and parameters

Type mm (in)	ZJS108 (ZJS42)	ZJS114 (ZJS44)	ZJS121 (ZJS46)	ZJS146 (ZJS56)	ZJS159 (ZJS62)	ZJS178 (ZJS70)	ZJS203 (ZJS80)
O. D. (mm)	108	114	121	146	159	178	203
I. D (mm)	32	38	38	51	57	57	70
Overall length of pull down (mm)	4200	3650	3500	4000	4700	3950	3970
stroke (mm)	330	210	230	330	330	310	320
Thread	NC31	NC31	NC38	NC40	NC50	NC50	6 5/8"REG
Max.tensile load downhole (KN)	700	800	900	1200	1500	1800	2200
Sealing pressure Mpa	20	20	20	20	20	20	20
Pull down Full stroke force (tf)	32-38	25-30	30-35	35-40	62-67	75-85	90-100



6、SJ Type Double -Way Bumper (shock absorber) SJ 型双向减震器



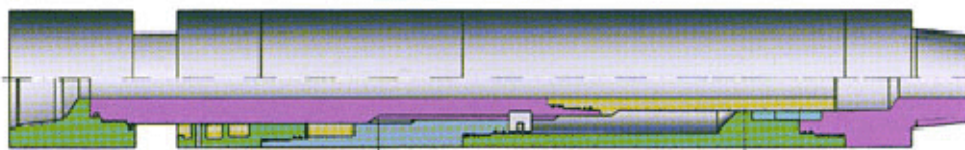
The SJ type double way bumper is a kind of double-way shock absorbing tool which is used to simultaneously slow down or eliminate the vertically or horizontally shock from drill string. It can reduce the damage due to shocking to drill bit, drilling tool and surface drilling tool so that the purpose of raising drilling speed and of reducing drilling cost shall be reached.

Technical specifications and parameters

Type	O.D. (mm)	I.D. (mm)	Max.stroke (mm)	Ambient temperature (° c)	Max. torque (KN.m)	Max.bit weight (KN)	Tensile load (KN)	Pull-down overallength (mm)	Thread conn.
SJ121B	121	38	120	-40~150	10	200	1000	5300	3 1/2"REG
SJ160B	160	45	120	-40~150	15	340	1500	5252	NC46
SJ178B	178	57	120	-40~150	15	400	1500	5350	NC50
SJ203B	203	64	120	-40~150	20	480	1960	5853	6 5/8"REG
SJ229B	229	71	120	-40~150	20	540	1960	5900	7 5/8"REG



7、YJ type One-Way Shock Absorber YJ 型单向减震器



YJ tupe one-way shock absorber is a kind of drilling tool which effects shock absorption by depending on hydraulic oil under external force through elastic deformation and damping. With some features of simple construction, easy and reliable operation, it can fully overcome the impact and shocking load from drill strings during drilling operation. Taking use of the shock absorber, it can raise the service life for drill bit and drill tool, speed up drilling, get rid of drilling jumping, well protect surface equipments and drilling tools.

Technical specifications and parameters

Type	O.D. (mm)	I.D. (mm)	Max.stroke (mm)	Max.bit weight (KN)	Tensile strength (KN)	Ambient temperature (° C)	Thread conn.	Pull-down overall length (mm)	Sealling Pressure Mpa
YJ121B	121	38	121	265	1000	-40~150	3 1/2"REG	3950	30
YJ160B	160	45	120	343	1500	-40~150	NC46	4100	30
YJ178B	178	57	125	392	1500	-40~150	NC50	3845	30
YJ203B	203	64	150	490	2000	-40~150	6 5/8"REG	4045	30
YJ229B	229	70	150	539	2000	-40~150	7 5/8"REG	3800	30



8、KXJ Type Fishing Bumper Subs



The fishing bumper sub is a kind of mechanical down jarring tool with long wrking stroke. It can jar stuck pipe stem repeatedly to loose stuckpoint to release stuck pipe.

Thechnical specifications and parameters

Parameter\Type	KXJ44B	KXJ46B	KXJ56B	KXJ62B	KXJ70B	KXJ80B
O.D.(mm)	114	121	146	159	178	203
I.D.(mm)	38	38	51	51	70	70
Sealing pressure (MPa)	20	20	20	20	20	20
Max.tensile load (tf)	112	122	132	143	153	163
Work stroke (mm)	1000	1000	1200	1400	1400	1500
Connection	NC31	NC38	NC40	NC50	NC50	6 5/8 REG
Closed length(mm)	2100	2110	2300	2600	2650	2740



9、BXJ Type Lubricated Fishing Bumper Subs



The BXJ Type Lubricated Fishing Bumper Sub is a mechanical down jaring tool whose all moving parts are bathed in closed chamber to enjoy long service life. It is suitable for using in deep hole and middle deep hole.

Technical specifications and parameters

Parameter\Type	BXJ62B	BXJ70B
O.D.(mm)	159	178
I.D.(mm)	57	70
Sealing pressure (MPa)	20	20
Max.tensile load (tf)	143	153
Work stroke (mm)	460	465
Connection	NC50	NC50
Closed length(mm)	2730	2950



10、YSJ Type Hydraulic Up Jars



YSJ Type hydraulic up jar reach up jarring purpose by applying hydraulic principle and bigelastic energy released suddenly from elastic deformed drill tool. It will obtain better result when use with ZJS type jar extensifier.

Technical specifications and parameters

Parameter\Type	YSJ114B	YSJ121B	YSJ159B	YSJ178B	YSJ203B
O.D.(mm)	114	121	159	178	203
I.D.(mm)	38	38	57	57	70
Work stroke(mm)	289	290	380	380	390
Max.work torque(kN.m)	4.9	7.8	15	19.6	23.5
Max.jarring lifting tons(tf)	200	300	710	750	800
Sealing pressure(MPa)	20	20	20	20	20
Max.work temperature	150	150	150	150	150
API connection	NC31	NC38	NC50	NC50	6 5/8 REG