



Drilling Jar, Accelerator And Air Drilling Jar

The Drilling Jar is a kind of effective tool used for block release. If stuck, it is released through a heavy up or down jarring on the right place.

Product Features:

QJ—K series Drilling Jar(mechanical)is integrated with up and down jarring. It characters simple structure, short length and convenient maintenance.

QJ-A series Drilling Jar(mechanical)is also an up and down jarring that is designed as an assembly. It characters that the release forces of jarring up or down can be adjusted on the rig site and its adjusting operation is very simple, exact and stable.

QY-A series drilling jar is a kind of hydraulic drilling jar with the mechanical locking device, which excellence includes easy operatin9, convenient adjustin9, high release force, good connection, and excellent performance, reliable and safe. The jar does not mis-jarring in the course of drillin9, trippin9, making a connection and reaching the down hole. The up or down release force can be dynamic adjusted by the hydraulic delay. The jar' s inner is filled with the hydraulic oil to maintain the life of the jar. Besides, the jar has the free location in the BHA; laying the jar in the pull, medium push positions ensure the performance of the jar no matter on the land or the sea.

YJ-A series Drilling Jar(hydraulic / mechanical)is also an up and down jarring that is designed as an assembly. The jar is developed to overcome the shortcomings associated with purely hydraulic or mechanical jars, yet retain the advantages of both concepts. Less restricted jar placement(in tension, neutral or compression)in the BHA. It characters that the release forces in jarring up or down can be adjusted on the rig site and its adjusting operation is very simple, exact and stable. It is a new advanced jar.

SS series Drilling Up Jar(hydraulic)and SX series Drilling Down Jar(mechanical)may be used as a set or trip in separately.

CS series Super Up Jar(hydraulic)characters simple structure and stable performance, and will perform better if used together with the accelerator.

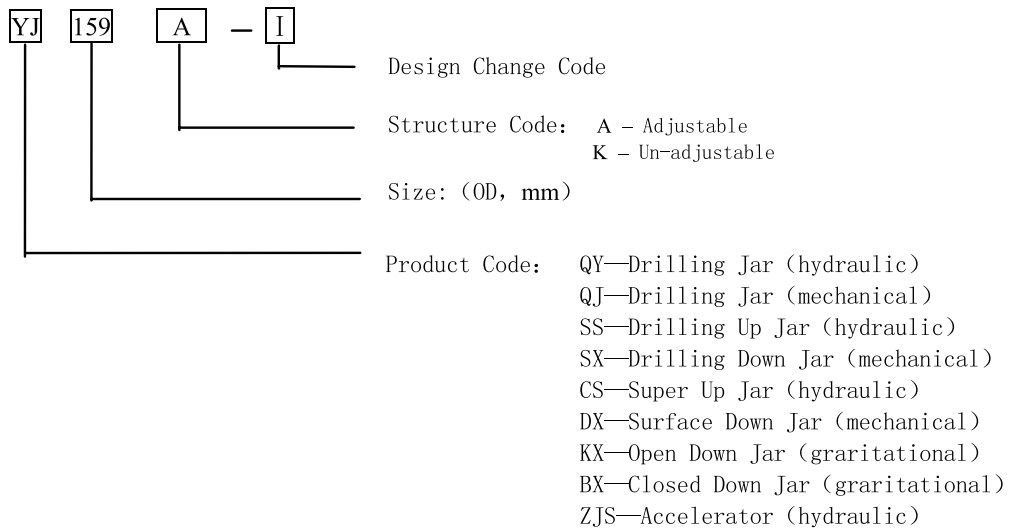
DX-A series Surface down Jar (mechanical) is a new improved tool. The jarring force can be adjusted easily at rig floor

KX series Open Down Jar(gravitational)and BX series Closed Down Jar(gravitational)are two kinds of tool widely used in fishing operation. They operate by means of the drilling string' s weight and the spring energy which the drilling string' s elastic elongation brings. They character simple structure and reliable performance.

ZJS series Accelerator(hydraulic)may be used together with the drilling jar to ensure max jarring efficiency in directional drilling where wall drag is a problem, or in shallow holes where pipe stretch is insufficient. Besides, it can absorb much of the shock of the rebounding string after the jarring stroke, protecting tools and string from damage

KYJ-A series drilling jar is a new kind of hydraulic-mechanical drilling jar, some serious status such as high temperature, high torsion and corrosion are considered in the design and manufacture. The jar is not only suitable for all the drilling operation including under balance drilling, but also used in the fishing job whose release force is set correctly. It has following features: 1, the up and down jarring is designed assembly, the structure is simple and reliable; 2, the jar combines the elements of mechanic and hydraulic, it excellence includes easy operating, convenient adjusting, high release force, good connection, and excellent performance and safe; 3, the jar does not mis-jarring in the course of drilling, tripping, making a connection and reaching the down hole; the up or down release force can be dynamic adjusted by the hydraulic delay; the jar's inner is filled with the hydraulic to maintain the life of the jar; 4, the jar has the free location in the BHA; laying the jar in the pull, medium push positions ensure the performance of the jar no matter on the land or the sea.

Model Illustrations:





Drilling Jar:

Name	Model	OD mm	ID mm	Length m	Max Tensile load kN	Max Torsion load kN·m	Thread	Preset Release Force (Tolerance ± 15%)		Max. Release Force (Tolerance ± 15%)	
								Up kN	Down kN	Up kN	Down kN
Drilling Jar (Hydraulic)	QY121A	121	44.5	8.8	1000	12	3 1/2 IF	350 ± 20	220 ± 20	400	250
	QY159A	159	57	8.7	1500	14	4 1/2 IF	500 ± 30	300 ± 30	700	350
	QY165A	165	57	8.7	1500	14	4 1/2 IF	550 ± 30	300 ± 30	650	350
	QY178A	178	57	9.1	1800	15	4 1/2 IF	600 ± 30	350 ± 30	700	400
	QY203A	203	70	9.1	2200	18	6 5/8 REG	700 ± 40	400 ± 40	800	450
	QY229A	229	70	9.8	2500	22	7 5/8 REG	800 ± 50	450 ± 50	900	500
Drilling Jar (Hydraulic / Mechanical)	YJ121A	121	44.5	5.8	1000	12	3 1/2 IF	400 ± 20	220 ± 20	480	250
	YJ159A	159	57	5.8	1500	14	4 1/2 IF	600 ± 30	300 ± 30	700	350
	YJ165A	165	57	5.8	1500	14	4 1/2 IF	650 ± 30	300 ± 30	750	350
	YJ178A	178	57	5.8	1800	15	4 1/2 IF	700 ± 30	350 ± 30	800	400
	YJ203A	203	70	6.5	2200	18	6 5/8 REG	800 ± 40	400 ± 40	900	450
	YJ229A	229	70	6.5	2500	20	7 5/8 REG	900 ± 50	450 ± 50	1000	500
Drilling Jar (Mechanical)	QJ159K- I	159 (6 1/4)	57	3.7	1500	14	4 1/2 IF	600 ± 120	350 ± 70	600	350
	QJ165K- I	165 (6 1/2)	57	3.7	1500	14	4 1/2 IF	650 ± 130	350 ± 70	650	350
	QJ203K	203 (8)	70	4.6	2200	18	6 5/8 REG	800 ± 160	450 ± 90	800	450
	QJ121A	120 (4 3/4)	45	5.4	1000	12	3 1/2 IF	400 ± 20	250 ± 20	400	250
	QJ159A- I	159 (6 1/4)	57	5.4	1500	14	4 1/2 IF	600 ± 30	350 ± 30	600	350
	QJ165A- I	165 (6 1/2)	57	5.4	1500	14	4 1/2 IF	650 ± 30	350 ± 30	650	350
	QJ178A	178 (7)	57	5.7	1800	15	4 1/2 IF	700 ± 30	400 ± 30	700	400
	QJ203A	203 (8)	70	5.8	2200	18	6 5/8 REG	800 ± 40	450 ± 40	800	450
	QJ229A	229 (9)	70	6.4	2500	22	7 5/8 REG	1000 ± 50	500 ± 50	1000	500
Drilling Up Jar (Hydraulic)	SS159- I	159	70	5.6	1500	14	4 1/2 IF	300~450	X	700	X
	SS165- I	165	70	5.6	1500	14	4 1/2 IF	300~450	X	700	X
Drilling Down Jar (Mechanical)	SX159- I	159	70	5.2	1500	14	4 1/2 IF	X	180~250	X	350
	SX165- I	165	70	5.2	1500	14	4 1/2 IF	X	180~250	X	350
Super Up Jar (Hydraulic)	CS121	121	45	3.7	1000	12	3 1/2 IF	150~250	X	350	X
	CS159	159	57	4.4	1500	14	4 1/2 IF	300~450	X	700	X
	CS165	165	57	4.4	1500	14	4 1/2 IF	300~450	X	700	X
	CS178- I	178	57	4.4	1800	15	4 1/2 IF	350~550	X	800	X
	CS203	203	70	4.7	2200	18	6 5/8 REG	400~600	X	1000	X

Surface Down Jar (Mechanical)	DX159A	159	57	4.5	1500	14	4 1/2 IF	X	330~370	X	600
	DX165A	165	57	4.5	1500	14	4 1/2 IF	X	330~370	X	650
	DX178A-II	178	57	4.3	1800	15	4 1/2 IF	X	380~420	X	700
	DX178A16-II	178	57	5.5	1800	15	4 1/2 IF	X	380~420	X	700
	DX178A18	178	57	5.9	1800	15	4 1/2 IF	X	380~420	X	700
Open Down Jar	KX121	121	45	2.4	900	8	3 1/2 IF	X	250	X	400
	KX159	159	57	2.5	1600	14	4 1/2 IF	X	350	X	600
	KX165	165	57	2.5	1600	14	4 1/2 IF	X	350	X	650
	KX178	178	57	2.6	1800	15	4 1/2 IF	X	400	X	700
	KX203	203	70	3	2200	18	6 5/8 REG	X	450	X	800
	KX229	229	70	3	2500	20	7 5/8 REG	X	500	X	1000
Closed Down Jar	BX159	159	57	3.0	1600	14	4 1/2 IF	X	350	X	600
	BX178	178	57	3.0	1800	15	4 1/2 IF	X	400	X	700

Specifications for Accelerator:

Name	Model	OD (mm)	ID (mm)	Length (m)	Max Tensile load (kN)	Max Torsion Load (kN·m)	Connecting Thread	Standard Pull (kN)
震击加速器 (液压式)	ZJS121	121	38	3.3	1000	12	3 1/2 IF	400
	ZJS159	159	57	4.5	1500	14	4 1/2 IF	700
	ZJS165	165	57	4.5	1500	14	4 1/2 IF	700
	ZJS178	178	57	3.8	1800	15	4 1/2 IF	800
	ZJS203	203	70	4.5	2200	18	6 5/8 REG	800

Specifications for Air Drilling Jar

Name	Model	OD (mm)	ID (mm)	Length (m)	Max Tensile load (kN)	Max Torsion load (kN·m)	Thread	Preset Release Force (Tolerance ± 15%)		Max. Release Force (Tolerance ± 15%)	
								Up (kN)	Down (kN)	Up (kN)	Down (kN)
Air Drilling Jar (Hydraulic / Mechanical)	KYJ121A	121 (4 3/4)	44.5	6.3	1000	12	3 1/2 IF	400 ± 20	220 ± 20	480	250
	KYJ159A	159 (6 1/4)	57	6.2	1500	14	4 1/2 IF	600 ± 30	300 ± 30	700	350
	KYJ165A	165 (6 1/2)	57	6.2	1500	14	4 1/2 IF	650 ± 30	300 ± 30	750	350
	KYJ178A	178 (7)	57	6.6	1800	15	4 1/2 IF	700 ± 30	350 ± 30	800	400
	KYJ203A	203 (8)	70	6.6	2200	18	6 5/8 REG	800 ± 40	400 ± 40	900	450
	KYJ229A	229 (9)	70	7.3	2500	22	7 5/8 REG	900 ± 50	450 ± 50	1000	500