

JAR

Super Fishing Jar

Super fishing jar is designed to permit the operator to easily and simply control the intensity of the jarring blow within a wide range, from a very light impact to a blow of very high impact. Various model of super fishing jar are available as below.



Super Fishing Jar

Technical Specifications of Super Fishing Jar

Model	Pull-down Length (mm)	O.D. (mm)	I.D. (mm)	Stroke (mm)	Tensile Load (KN)	Max. Tension Downhole (KN)	Sealing Pressure MPa	Highest Working Temp.	API Connection
CSJ42	3,980	108	32	305	700	300	20	150	NC31
CSJ44	3,980	114	51	305	780	340	20	150	NC31
CSJ46	3,980	121	51	305	980	400	20	150	NC38
CSJ62	4,098	160	57	320	1,270	700	20	150	NC50
CSJ64	4,177	165	57	320	1,370	750	20	150	NC50
CSJ65	4,177	168	57	320	1,470	800	20	150	NC50
CSJ70	4,250	178	60	320	1,570	800	20	150	NC50
CSJ80	4,318	203	70	330	1,870	800	20	150	6-5/8" REG

Surface Jar

The surface jar is an effective tool to be used when you are stuck off bottom. The jarring strength of jar can be easily adjusted. 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.



Surface Jar

Technical Specifications of Surface Jar

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.)	2,500 (98.43)	3,000 (118.11)
Total Weight (kgs)	200	525

Surface Jar Make-up Torque Specification (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
DJ70	39	12.7	6.4±0.49	3.9±0.39

Drilling Jar

The drilling jar is an effective tool for releasing stuck drill pipe. The drilling jar is consisting of drilling up jar and drilling down jar, both up and down jars can be used mutually or operated separately. PPGL offers six types of drilling jar for customer's option.



Drilling Jar

Technical Specifications of Drilling Jar

Model	ZS(X)J80	ZS(X)J76	ZS(X)J70	ZS(X)J62	ZS(X)J56	ZS(X)J46	
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	5,515	5,515	5,424	5,360	5,730	5,270
	Down	5,250	5,250	5,215	5,208	5,000	5,125
Pull Down Stroke (mm)	Up	368	368	344	380	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)	2,500	2,500	2,300	2,200	2,000	1,400	
Max. Working Torque (N.m)	³ 20 X 10	³ 18 X 10	³ 15 X 10	³ 15 X 10	³ 15 X 10	³ 13 X 10 ³	
Weight (KG)	Up	1,085	980	680	530	480	330
	Down	1,027	920	645	520	457	310

Jar Intensifier

Jar intensifier is designed to store the energy developed by the pull on the drill string, and release this energy to accelerate drill collars upward when the jar releases. Jar intensifier PPGL supplies is a down hole fishing jar designed to increase jarring energy to up jar, should be run in conjunction with super jar or hydraulic up jar.



Jar Intensifier

Technical Specifications of Jar Intensifier

Model	ZJS108	ZJS114	ZJS121	ZJS146	ZJS159	ZJS178	ZJS203
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)	4,200	3,650	3,500	4,000	4,700	3,950	3,970
Stroke (mm)	330	210	230	330	330	310	320
Thread	NC31	NC31	NC38	NC40	NC50	NC50	6-5/8 REG
Max. Downhole Tensile Load (KN)	700	800	900	1,200	1,500	1,800	2,200
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