QJ型机械式随钻震击器 Mechanical Drilling Jar Type JZ



该工具上、下震击吨位可调，且调节范围广；全机械式，内腔不产生高压，密封更可靠，震击效果不受油质变化的影响，使用寿命得到显著的提高；配特殊的挠性接头可以有效地降低震击器自身的弯曲应力；采用新型的特殊材料具有更高性能保障;用于打直井、深井、复杂井和定向井。

The up-down jarring tonnage can be adjusted for a large range.

The Drilling Jar can be actuated by mechanical fully. The inner chamber cannot produce high-pressure. The change of oiliness cannot impact jarring effect.

The low sealing property can make the using life improve observably.

The mounted special flexible joint can reduce the bending stress of Jar body effectively.

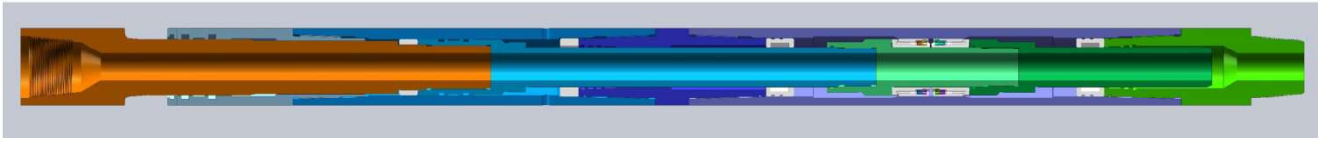
It should adopt the new special material as to insure the higher performance.

It should be used for straight hole, deep hole, complicated hole and directional hole.

Specifications

型号 Model	外径 O.D. mm(in)	内径 I.D. mm(in)	接头螺纹 Connection API	最大上击力 Max. Upward Jarring force kN (lb)	最大下击力 Max. Downward jarring force kN (lb)	许用拉力 Max. working load kN(lb)	屈服拉力 Yield pull kN(lb)	许用扭矩 Max.Working Torgue kN(ft.lbs)	屈服扭矩 Yield torque kN(ft.lbs)	总长 length mm(in)
QJ121	121 (4-3/4)	50.8 (2)	NC38	400 (90000)	250 (56000)	1100 (247000)	1800 (400000)	15 (11000)	27 (20000)	5095 (200.59)
QJ127	127 (5)	50.8 (2	NC38	400 (90000)	250 (56000)	1200 (270000)	1800 (400000)	15 (11000)	27 (20000)	5095 (200.59)
QJ140	140 (5-1/2)	50.8 (2)	NC38	500 (112000)	300 (67000)	1350 (303000)	2350 (530000)	20 (14000)	40 (28000)	5095 (248.03)
QJ159	159 (6-1/4)	57 (2 1/4)	NC46	600 (135000)	350 (78000)	1600 (360000)	2700 (600000)	25 (18000)	65 (48000)	5365 (211.22)
QJ165	165 (6-1/2)	57 (2 1/4)	NC50	650 (145000)	350 (78000)	2000 (450000)	3100 (700000)	25 (18000)	75 (55000)	5365 (256.57)
QJ178	178 (7)	70 (2 3/4)	NC50	700 (160000)	400 (90000)	2400 (540000)	4180 (940000)	30 (22000)	80 (59000)	5575 (219.49)
QJ203	203 (8)	71.4 (2 13/16)	6 5/8REG	800 (180000)	450 (100000)	2800 (630000)	4900 (1100000)	35 (25800)	145 (100000)	5625 (221.46)

QYⅢ型全液压随钻震击器 Full-Hydraulic Drilling Jar Type QYⅢ



QYⅢ型全液压随钻震击器是一种随钻震击解卡工具，采用针阀式结构，上、下击均为液压式，可实现上击吨位和下击吨位的无级调节。能有效保护钻柱，提高使用寿命。液压储能机构采用专利设计，稳定性好。延时时间范围：30s～240s、使用温度范围：-40℃～180℃。采用新型特殊材料，具有更高的性能和安全性。普遍用于钻井、取芯、修井、打捞等。

Full Hydraulic Drilling Jar Type QYⅢadaptes the needle valve type structure, the up and down impact are both hydraulic, can realize the up and down tonnage stepless adjustment. It can effectively protect the drill string and improve the service life. The hydraulic energy storage mechanism adopts patent design and has good stability. Delay time range: 30s ~ 240s, Working temperature range: -40℃ ~ 180℃. Adopt new special materials, with higher performance and safety. Widely used in drilling, coring, workover, fishing and so on.

Specifications

型号 Model	工具外径 Tool OD mm (in)	水眼直径 ID mm (in)	接头螺纹 Connection API	许用工作拉力 Allowable Working Tensile kN(lb)	许用工作扭矩 Allowable Working Torque kN· m(lb· ft)	最大上击力 Max. Up Jarring kN (lb)	最大下击力 Max. Down Jarring kN (lb)	上击行程 Up Stroke mm	下击行程 Down Stroke mm	拉开长度 Open Length mm
QY108Ⅲ	108 (4 1/4)	38 (1 1/2)	NC31	800 (180000)	10 (7000)	250 (55000)	120 (26000)	152	152	5835
QY121Ⅲ	121 (4 3/4)	50 (2)	NC38	1100 (250000)	15 (11000)	350 (78000)	180 (40000)	152	152	5768
QY127Ⅲ	127 (5)	50 (2)	NC38	1100 (250000)	15 (11000)	350 (78000)	180 (40000)	152	152	5768
QY140Ⅲ	140 (5 1/2)	50 (2)	NC38	1100 (250000)	15 (11000)	350 (78000)	180 (40000)	152	152	5768
QY159Ⅲ	159 (6 1/4)	57 (2 1/4)	NC46	2000 (450000)	30 (22000)	700 (160000)	350 (78000)	152	152	5939
QY165Ⅲ	165 (6 1/2)	57 (2 1/4)	NC50	2000 (450000)	30 (22000)	700 (160000)	350 (78000)	152	152	5939
QY172Ⅲ	172 (6 3/4)	57 (2 1/4)	NC50	2000 (450000)	30 (22000)	700 (160000)	350 (78000)	152	152	5939
QY178Ⅲ	178 (7)	70 (2 3/4)	NC50	2400 (540000)	35 (25800)	800 (180000)	400 (90000)	152	152	6000
QY203Ⅲ	203 (8)	76.2 (3)	6 5/8REG	2800 (630000)	45 (33000)	1000 (225000)	500 (110000)	152	152	6000
QY216Ⅲ	216 (8 1/2)	76.2 (3)	6 5/8REG	2800 (630000)	45 (33000)	1000 (225000)	500 (110000)	152	152	6000
QY229Ⅲ	229 (9)	76.2 (3)	7 5/8REG	3000 (630000)	65 (26000)	1200 (270000)	600 (132000)	152	152	6106

JSZ型机械式随钻震击器 Integral Mechanical Drilling Jar Type JSZ



JSZ型为全机械式，内腔不产生高压，震击效果不受油质变化的影响;总长短，减小了井下弯曲交变应力的危害，也便于运输;密封性能、使用性能安全可靠;用于海洋钻井和定向钻井中。

Model "JSZ" Drilling Jar can be actuated by mechanical fully. The inner chamber cannot produce high-pressure. The change of oiliness cannot impact jarring effect.

The short overall length can reduce the harm of bending alternating stress, facilitating the conveyance.

It has the low sealing property and reliable using property.

It should be used for offshore drilling and directional drilling.

Specifications

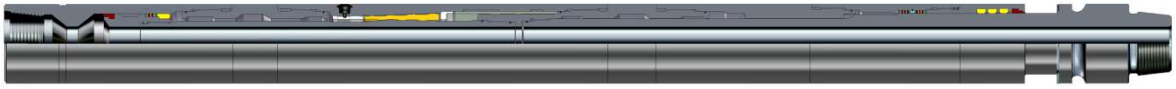
型号 Model	外径 O.D. mm (in)	内径 I.D. mm (in)	接头螺纹 Connection API	最大上击力 Max. Upward Jarring Force kN(lb)	最大下击力 Max. Downward Jarring Force kN(lb)	许用拉力 Max. working Load kN(lb)	屈服拉力 Yield Pull kN(lb)	许用扭矩 Max.Working Torque kN(ft.lbs)	屈服扭矩 Yield Torque kN(ft.lbs)	总长 Overall Length mm (in)
JSZ46	124 (4-7/8)	50.8 (2)	NC38	400 (90000)	250 (56000)	1100 (247000)	1600 (360000)	15 (11000)	27 (20000)	3646 (143.54)
JSZ62	162 (6-3/8)	57 (2 1/4)	NC46	600 (135000)	360 (80000)	1600 (360000)	2700 (600000)	25 (18000)	65 (48000)	4150 (163.4)
JSZ70	178 (7)	57 (2 1/4)	NC50	700 (160000)	400 (90000)	2400 (540000)	3400 (760000)	30 (22000)	80 (59000)	4150 (163.38)
JSZ80	203 (8)	76.2 (3)	6 5/8REG	820 (185000)	460 (100000)	2800 (630000)	5200 (1170000)	35 (25800)	145 (100000)	4200 (165.35)

ZSJ / ZXJ型随钻震击器

Hydro-Mechanical Drilling Jar Type ZSJ&ZXJ



ZSJ



ZXJ

ZS(X)J型随钻震击器采用分体式结构，可独立实现上、下击作业；上击器采用液压式，实现无级吨位调节；下击器采用机械式，震击稳定可靠，用于定向井、复杂井、斜井钻井作业。

Model ZS(X)J Drilling Jar adopts split structure to realize up-down jarring operation independently. The Top Jar should be acted by hydraulic as to realize the stepless tonnage control; the Down Jar should be acted by mechanical for reliable jarring; It should be used for directional hole, complex hole and inclined hole during the drilling operation.

Specifications

型号 Model	外径 O.D. mm(in)	内 径I.D. mm(in)	接头螺纹 API Connecting	许用拉力 kN(lbt) Max. Tensile load	屈服拉力 Tensile Yield Strength kN(lbt)	许用扭矩) Max. Working torque kN·m(lbt/ft	屈服扭矩 Tensional Yield strength kN·m(lbt/ft)	最大震击力 Max. Jarring load of Up kN(lbt)	震击行程 Max. Stroke of Down mm(in)	总长 Overall length of Up mm(in)
ZSJ36	95 (3-3/4)	28 (1.1)	2 7/8REG	600 (134800)	1000 (224800)	5 (3686)	10 (7373)	200 (44960)	254 (10)	4162 (163.8)
ZXJ36								100 (22480)	178 (7)	3275 (128.9)
ZSJ46	121 (4-3/4)	51 (2)	NC38	1300 (292200)	2000 (449600)	20 (14746)	30 (22119)	350 (78680)	305 (12)	6391 (251.6)
ZXJ46								250 (56200)	182 (7.1)	5125 (201.77)
ZSJ56	146 (5-3/4)	57 (2.3)	4 1/2FH	1800 (405000	2500 (562000)	26 (19170)	50 (36860)	500 (112400)	330 (13)	5738 (225.9)
ZXJ56								300 (67440)	182 (7.1)	5000 (196.8)
ZSJ 62Ⅱ	159 (6-1/4)	57 (2.3)	NC46	2100 (472000)	2700 (60700)	30 (22119)	45 (33178)	700 (157000)	346 (13.6)	6394 (251.7)
ZXJ 62Ⅱ								350 (78680)	182 (7.1)	5371 (211.5)
ZSJ64	165 (6-1/2)	70 (2.8)	NC50	2100 (472000)	3200 (719000	35 (25805)	53 (39076)	700 (157000)	344 (13.5)	6394 (251.7)
ZXJ64								350 (78680)	178 (7)	5371 (211.5)
ZSJ70	178 (7)	70 (2.8)	NC50	2100 (472000)	3200 (719000)	37 (27280)	55 (40550)	800 (179800)	346 (13.6)	6354 (250)
ZXJ70								400 (89920)	182 (7.1)	5457 (214.8)
ZSJ76	197 (7-3/4)	71.4 (2.8)	6 5/8REG	3000 (719000)	5100 (1146000)	37 (27280)	55 (40550)	1000 (224800)	370 (14.5)	6295 (247.8)
ZXJ76								450 (101100)	181 (7.1)	5245 (206.5)
ZSJ80	203 (8)	71.4 (2.8)	6 5/8REG	300(674000)	5100 (1146000)	40 (29492)	60 (44238)	1000 (224800)	370 (14.5)	6222 (245)
ZXJ80								450 (101100)	181 (7.1)	5243 (206.4)