

Hydraulic Rod Jars

HYDRAULIC ROD JARS

Overview

The Hydraulic Rod Jar provides a dependable means for controlled jarring in sucker rod operations when electrical continuity or circulation to the tools or below the jar is not required. Its simple hydraulic system permits the operator to control the intensity of the blow ranging from a light blow to one of terrific force.

Construction

The Hydraulic Rod Jar essentially consists of a sliding mandrel within a hydraulic chamber. An integral piston on the lower end of the mandrel rests in the middle body cylinder when the jar is in closed position. Each Hydraulic Rod Jar is provided with a fishing neck on the top sub and is supplied with viton seals.

Assembly

The Hydraulic Rod Jar is made up in the string just above the tools or equipment to be run. The assembled tools are run into and out the well on the sucker rod like any other rod tool.

Operation

An upward strain is placed on the string by pulling upward. After setting the string, wait for the jar to strike a blow. After the jar has struck, slacking off the string will allow the jar to close. Repeat the jarring by pulling another strain on the string. The jarring force transmitted by the piston is proportional to the strain taken on the string. To increase the intensity of the blow, take a greater strain on the string. A lighter

strain on the string will lessen the intensity of the jarring blow. The frequency of the blows struck can be as rapid as the operator can pick up and slack off the running string.

When ordering, please specify:

- (1) Complete assembly or part number
- (2) O.D. of assembly
- (3) Size and type of connection

OUTSIDE DIAMETER		1-1/2	1-3/4	2-1/8
CONNECTIONS		15/16	3/4	7/8
PIN UP - BOX DOWN		10 THD	SR	SR
LENGTH OF STROKE (INCHES)		9-3/16	10	11-5/16
COMPLETE ASSEMBLY	<input type="checkbox"/>	703-001	703-003	703-005
	Bowen No.	28591	79316	13570
TOP SUB	<input type="checkbox"/>	AL1002	AL1003	AL1004
	Bowen No.	10761	12761	11543
MANDREL	<input type="checkbox"/>	BA2000	BA2001	BA2002
BODY INSERT		Bowen No. 28594	79317	10723
MANDREL BODY	<input type="checkbox"/>	BA3000	BA3001	BA3002
	Bowen No.	28593	12763	13572
MANDREL	<input type="checkbox"/>	BA4000	BA4001	BA4002
	Bowen No.	28592	79318	13571
MIDDLE BODY	<input type="checkbox"/>	AL2002	AL2005	AL2006
	Bowen No.	11182	12765	11537
BALANCE PISTON	<input type="checkbox"/>	AL7002	AL7003	AL7004
	Bowen No.	11185	12766	11540
BOTTOM SUB	<input type="checkbox"/>	AL6002	AL6003	AL6004
	Bowen No.	11181	12767	11536
VALVE PLUG	<input type="checkbox"/>	AL8000	AL8000	AL8000
	Bowen No.	11189	11189	11189
VALVE PLUG SPRING	<input type="checkbox"/>	AL9000	AL9000	AL9000
	Bowen No.	834	834	834
VALVE PLUG SEAT	<input type="checkbox"/>	AL10001	AL10001	AL10001
	Bowen No.	11186	11186	11186
MANDREL	<input type="checkbox"/>	L365-15	L365-17	L365-21
NON-EXTRUSION RING		Bowen No. 365-15	365-17	365-21
MANDREL SEAL	<input type="checkbox"/>	L375-15	L375-17	L375-21
PROTECTOR RING		Bowen No. 375-15	375-17	375-21
BALANCE PISTON	<input type="checkbox"/>	L366-16	L366-20	L366-24
NON-EXTRUSION RING		Bowen No. 366-16	366-20	366-24
BALANCE PISTON SEAL	<input type="checkbox"/>	L82-16	L82-20	L82-24
PROTECTOR RING		Bowen No. 9382-16	9382-20	9382-24

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COMPLETE ASSEMBLY	Logan Part No. 703-001	703-003	703-005
	Bowen No. 28591	79316	13570
FILL PLUG	Logan Part No. AG10000	AG10000	AG10002
	Bowen No. 617	617	329
LOCK PINS	Logan Part No. AL11002	AL11003	AL11004
	Bowen No. 13432	18183	42732
SPRING GUIDE	Logan Part No. AL16000	AL16000	AL16000
	Bowen No. 48307	48307	48307
VITON O-RING PACKING	Logan Part No. 703-002	703-004	703-006
<i>SET Consists of:</i>	Bowen No. 32679	79328	13573
MANDREL SEAL	Logan Part No. 568-210	568-212	568-216
	Bowen No. 27-15	27-17	27-21
	No. Req'd 2	2	2
BALANCE PISTON SEAL	Logan Part No. 568-211	568-215	568-219
	Bowen No. 27-16	27-20	27-24
MANDREL BODY	Logan Part No.	568-221
INSERT – SMALL SEAL	Bowen No.	27-26
MANDREL BODY	Logan Part No. 568-215	568-218	568-223
INSERT – LARGE SEAL	Bowen No. 27-20	27-23	30-1
MIDDLE BODY SEAL	Logan Part No. 568-215	568-218	568-223
	Bowen No. 27-20	27-23	30-1
VALVE PLUG SEAL	Logan Part No. 568-007	568-007	568-007
	Bowen No. 27-2	27-2	27-2
FILL PLUG SEAL	Logan Part No. 568-005	568-005	568-006
	Bowen No. 568005	568005	27-1
VALVE PLUG	Logan Part No. 568-112	568-112	568-112
SEAT SEAL	Bowen No. 27-10	27-10	27-10

ACCESSORIES

SERVICE KIT	Logan Part No. 28001-015	28001-016	28001-017
	Bowen No. 11178	15997	11554
MANDREL BODY	Logan Part No. AG1000-15	AG1000-17	AG1000-21
SETTING TOOL	Bowen No. 22709-15	22709-17	22709-21
BALANCE PISTON	Logan Part No. AL13000-16	AL13000-20	AL13000-24
SETTING TOOL	Bowen No. 22729-16	22729-20	22729-24