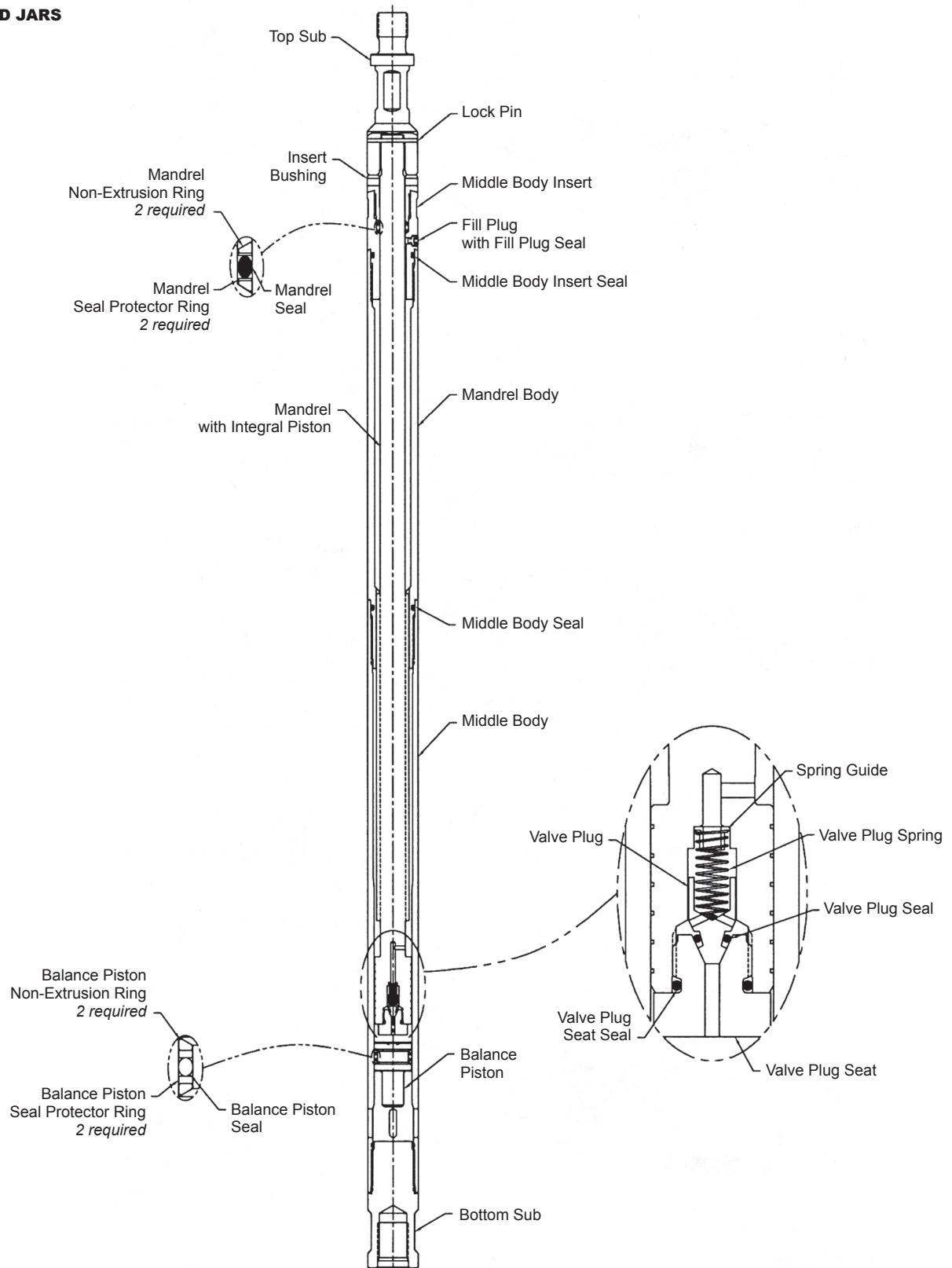




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pipe & supply

Hydraulic Rod Jars

HYDRAULIC ROD JARS



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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	703-001	703-003	703-005
Bowen No.	28591	79316	13570
TOP SUB	AL1002	AL1003	AL1004
Bowen No.	10761	12761	11543
MANDREL	BA2000	BA2001	BA2002
BODY INSERT	Bowen No. 28594	79317	10723
MANDREL BODY	BA3000	BA3001	BA3002
Bowen No.	28593	12763	13572
MANDREL	BA4000	BA4001	BA4002
Bowen No.	28592	79318	13571
MIDDLE BODY	AL2002	AL2005	AL2006
Bowen No.	11182	12765	11537
BALANCE PISTON	AL7002	AL7003	AL7004
Bowen No.	11185	12766	11540
BOTTOM SUB	AL6002	AL6003	AL6004
Bowen No.	11181	12767	11536
VALVE PLUG	AL8000	AL8000	AL8000
Bowen No.	11189	11189	11189
VALVE PLUG SPRING	AL9000	AL9000	AL9000
Bowen No.	834	834	834
VALVE PLUG SEAT	AL10001	AL10001	AL10001
Bowen No.	11186	11186	11186
MANDREL	L365-15	L365-17	L365-21
NON-EXTRUSION RING	Bowen No. 365-15	365-17	365-21
MANDREL SEAL	L375-15	L375-17	L375-21
PROTECTOR RING	Bowen No. 375-15	375-17	375-21
BALANCE PISTON	L366-16	L366-20	L366-24
NON-EXTRUSION RING	Bowen No. 366-16	366-20	366-24
BALANCE PISTON SEAL	L82-16	L82-20	L82-24
PROTECTOR RING	Bowen No. 9382-16	9382-20	9382-24



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

ACCESSORIES

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