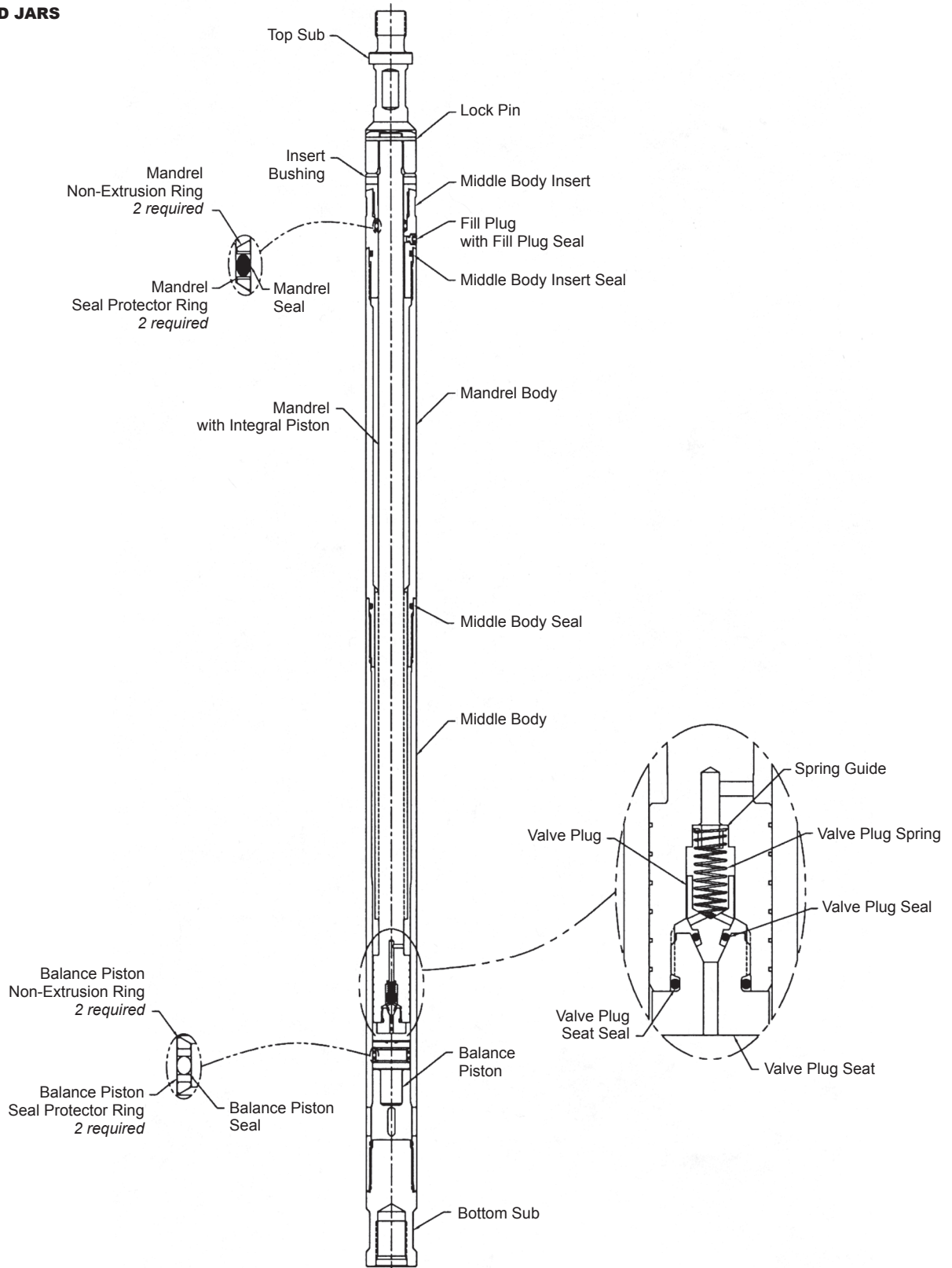


HYDRAULIC ROD JARS



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

Logan Oil Tools reserves the right to change or discontinue designs without notice.

LOGAN GENERAL CATALOG

OIL TOOLS

HYDRAULIC ROD JARS

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	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 SET	Logan Part No.	703-002	703-004	703-006				
<i>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				

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