Service Manual

SERVICE PARTS & DIAGRAMS

RJ6W

PRODUCT SKU **5175248**

DRAWING Nº

5260283

CATEGORY

Rolling Bridge Jack

REV

Version J

DATE

12.15.2022



This guide is a troubleshooting reference used for maintaining and servicing your Bend Pak product. It provides comprehensive information on identifying serviceable parts and components and assists in troubleshooting problems and performing assembly /disassembly procedures.



1645 Lemonwood Drive Santa Paula, CA 93060 USA Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 info@bendpak.com

Customer Service Desk / Warranty

Customer Service Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 customerservice@bendpak.com

Parts Orders

Customer Service Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 parts@bendpak.com

Domestic Sales & Service

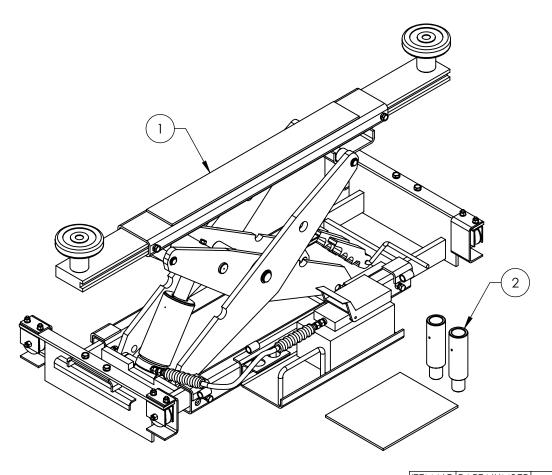
USA Sales Representatives Office Tel: 1-805-933-9970 Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 sales@bendpak.com

International Sales & Service

Office Tel: 1-805-933-9970 Exports Dept: 1-805-933-9970 EXT. 192 Ext. Toll Free US/Canada: 1-800-253-2363 Fax: 1-805-933-9160 bpkexports@bendpak.com



	REVISION			
REV	DESCRIPTION		EDITED BY	ECO#
G	ADDED 5905775 AND 5906044	09/02/2021	CA	01322
Н	REPLACED LABELS WITH COLORS & GRAPHICS NOTE, REPLACED 5940052 WITH PACKAGING INSTRUCTION NOTE	09/29/2021	СА	01348
J	UPDATED BOM REVISION	08/17/2022	TM	01438



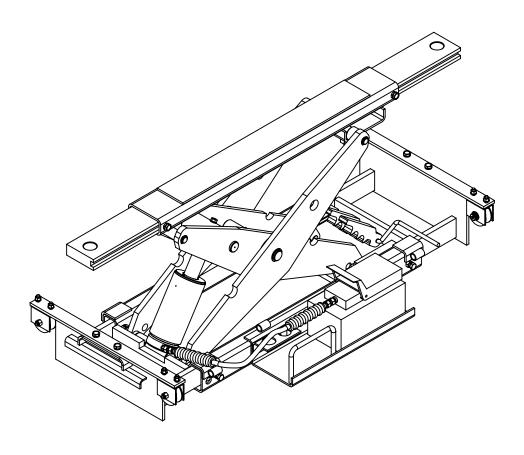
WHERE USED XR-12000L XR-12000AL

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- 2. 3.
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
 SEE COLORS & GRAPHICS FOR LABEL PLACEMENT
 APPLY LIQUID THREAD SEALANT TO FITTINGS PRIOR TO ASSEMBLY.
 SEE BP SPECIFICATION FORM 5580012

IIFW NO	PARI NUMBER	DESCRIPTION	QIY	REV
1	5205010	RJ6W LIFT SUPERSTRUCTURE	1	Е
2	5250271	DJ-4500/6000W, RJW PARTS BOX	1	F
-	5900093	RJW SERIES MANUAL	1	-

	3700073 R377 SERIES 747/11407/E				7717 (1 407 (L	' '						
	DO NOT SCA	ALE DRAWING			NAME	DATE	-	P BendP				
				AWN	TS	12/04/2018	Ŀ	1645 I FMONWOOD DR.				
	DIMENSIONS ARE IN MM		CHE	CKED				SANTA PAULA, CA 93060				
			THIRD ANGLE PROJECTION			DJECTION	TITLE	RJ6W PRODUCT	ION			
					LIFT VER E							
	(•	•)	• 1						0175			5) (
							SIZE	DWG. NO.	R	EV		
_			PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY			THIS DRAWING IS INC. ANY	Α	5260283		J		
1			REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			SCALE: 1:10	SHEET 1	OF 2				



WHERE USED
RJ6W

NOTE: UNLESS OTHERWISE SPECIFIED.

- 1. REFER TO MODEL FOR ADDITIONAL INFORMATION
- 2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- 3. ASSEMBLE ITEMS AS SHOWN

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/4\

AIR HYDRAULIC PUMP MUST BE INSTALLED USING THE INCLUDED BOLTS

KETISIOTT							
DESCRIPTION	DATE	EDITED BY	ECO#				
UPDATED BOM REVISION	02/24/2020	CA	01146				
UPDATED BOM REVISION	11/06/2020	CA	01230				
UPDATED BOM REVISION	08/17/2022	TM	01438				
	DESCRIPTION UPDATED BOM REVISION UPDATED BOM REVISION	DESCRIPTION DATE UPDATED BOM REVISION 02/24/2020 UPDATED BOM REVISION 11/06/2020	DESCRIPTION DATE EDITED BY UPDATED BOM REVISION 02/24/2020 CA UPDATED BOM REVISION 11/06/2020 CA				

REVISION

TEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601031	RJW MAIN BODY BASE WELDMENT	1	G
2	5215439	RJW SCISSOR ASSEMBLY	1	J
3	5746374	RJW CYLINDER HINGE ROD	1	D
4	5701136	DJ-6000W, RJ6W/7W/9W SAFETY HANDLE	1	G
5	5731039	RJW SAFETY LATCH	2	Н
6	5210138	RJW EXTENSION ARM TUBE ASSEMBLY	1	С
7	5746378	RJW SCISSOR CHANNEL SPACER	2	В
8	5746377	RJW SCISSOR PIN ROLLER TUBE	1	С
9	5746376	rjw scissor pin	1	В
10	5746375	RJW SHORT SCISSOR PIN	1	В
11	5502012	CYLINDER ASSEMBLY Ø3.0 x 4.375	1	F
12	5570806	RJW SERIES HOSE ASSY Ø6.4mm x 600mm DS	1	Е
13	5530302	HHB M10 x 1.5 x 40 FULLY THREAD	4	
14	5530790	SSS M6 x 1 x 10 NL	4	
15	5540109	E RING Ø16mm OD DIN 6799 0160	4	
16	5545130	WASHER 3/8" SL	1	
17	5550493	FTG RST -04 JIC x -06 NPT x .062 ID	1	
18	5550038	FTG 45ELB -04 JIC x -04 NPT	1	
19	5530132	HHB 3/8"-16 x 2-1/4" GR8/CL 10.9	1	
20	5535998	NUT M10 x 1.5	4	
21	5585731	AIR HYDRAULIC PUMP YELLOW RJ6W PSI:6100	1	
22	5215816	RJ6W LOWER ARM ASSEMBLY	2	С

 DO NOT SCALE DRAWING
 NAME
 DATE

 DRAWN
 TM
 08/25/2015

 CHECKED
 OR
 08/19/2022

 DIMENSIONS ARE IN MM
 THIRD ANGLE PROJECTION
 TITLE:



E: RJ6W LIFT SUPERSTRUCTURE

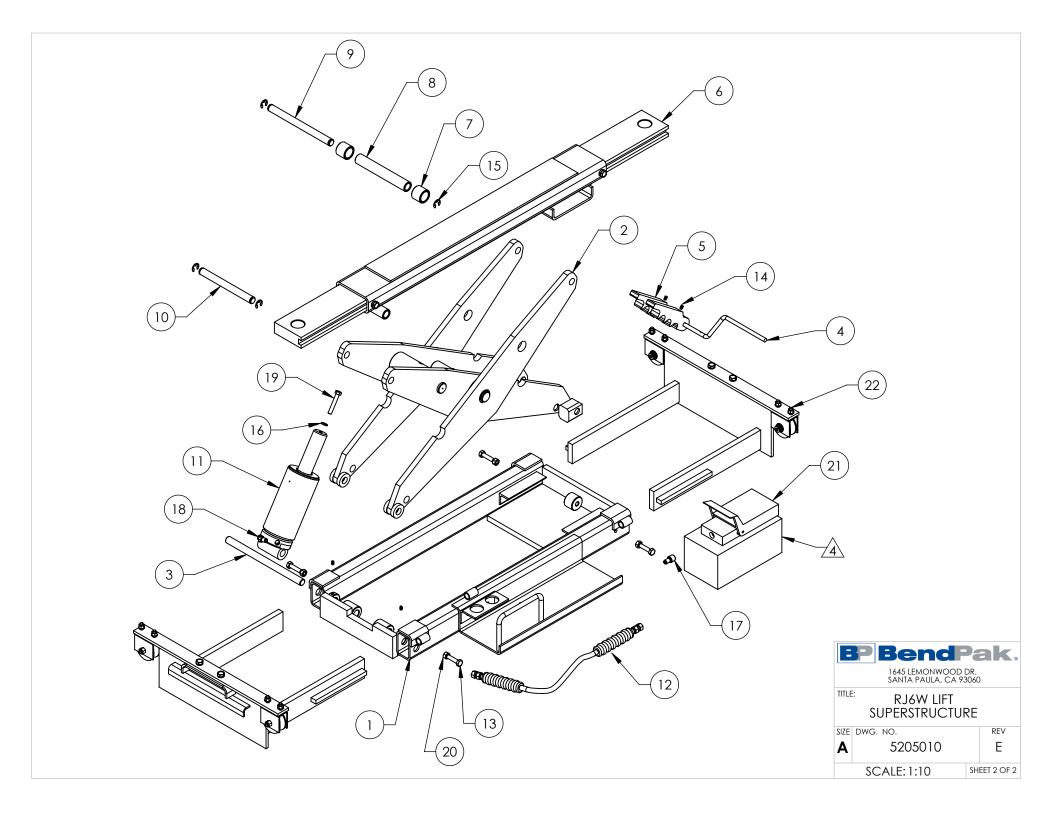
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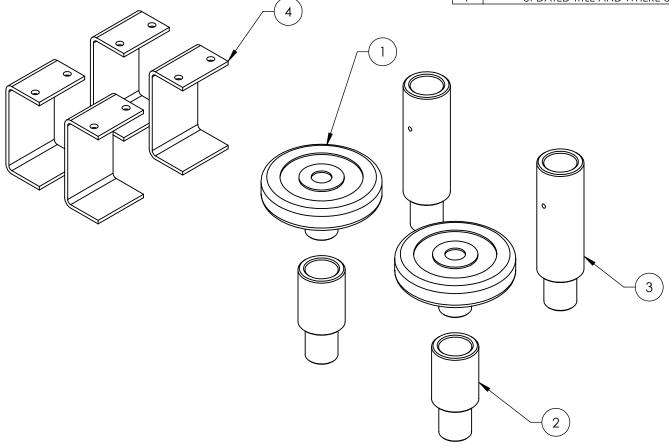
SIZE DWG. NO. REV 5205010 E SCALE: 1:10 SHEET 1 OF 2

1645 LEMONWOOD DR. SANTA PAULA, CA 93060

NEXT ASSEMBLY 5260283



	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
D	ADDED 5580012, UPDATED NEXT ASSEMBLY	02/25/2020	CA	01146
Е	REMOVED 5580012, UPDATED TITLE AND NEXT ASSEMBLIES	09/30/2020	TM	01213
F	UPDATED TITLE AND WHERE USED	04/06/2021	TM	01293



5260194

5260283 5260284

5260610

5260638

5260639

WHERE USED
DJ-4500
DJ-6000W
RJ-45LP
RJ45W
RJ6W
R I7W

SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5215507	ROUND LIFT PAD ADAPTER ASSEMBLY	2	G
2	5746390	MEDIUM LIFT PAD EXTENSION Ø35 x 113mm	2	Е
3	5746395	LONG LIFT PAD EXTENSION Ø35 x 182mm	2	D
4	5701543	RJW SPRING PLATE SAFETY BRACKET	4	D

DO NOT SCALE DRAWING NAME DATE DRAWN TS 12/04/2018 CHECKED OR 04/12/2021 NEXT ASSEMBLY DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:



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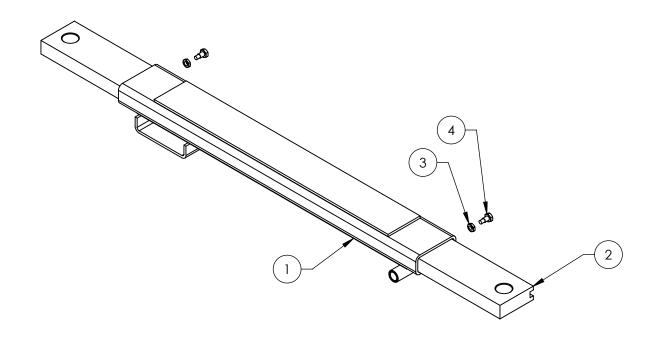
DJ-4500/6000W, RJW PARTS BOX

1645 LEMONWOOD DR. SANTA PAULA, CA 93060

SIZE DWG. NO. REV 5250271

SCALE: 1:4 SHEET 1 OF 1

	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
Α	PRODUCTION RELEASE, DERIVED FROM 5210151	08/21/2015	TM	00719
В	REPLACED 5601030 WITH 5735547, (2) 5530181 WITH 5530283, REMOVED 5735549, 5545026, (2) 5530181, UPDATED BOM REVISIONS	01/14/2016	TM	00739
С	UPDATED TITLE TO REFLECT MARKETING, UPDATED BOM REVISIONS AND NEXT ASSEMBLIES	12/07/2018	TS	01038



NEXT ASSEMBLY 5205009

5205010

5205011

5205012

WHERE USED
RJ6W
RJ7W
RJ9W
RBJ7000A

NOTE: UNLESS OTHERWISE SPECIFIED.

ASSEMBLE ITEMS AS SHOWN

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601029	RJW UPPER ARM RECEIVER TUBE WELDMENT	1	С
2	5735547	rjw extension arm bar	2	С
3	5535035	NUT M10 x 1.5 JN	2	
4	5530283	HEX BOLT M10 EXTENDED POINT	2	Α
				-

DO NOT SCALE DRAWING DATE NAME DRAWN 08/21/2015 CHECKED CA 01/08/2019 DIMENSIONS ARE IN MM

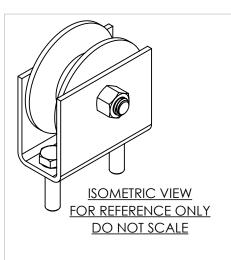


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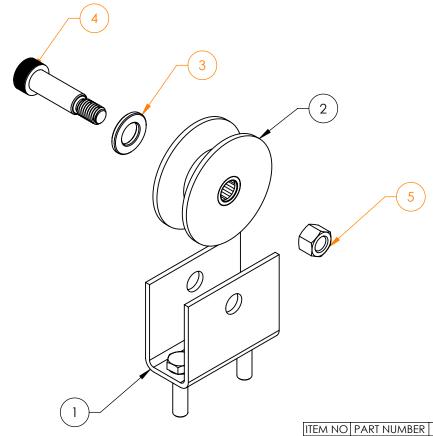


RJW EXTENSION ARM TUBE ASSEMBLY

SIZE DWG. NO. REV 5210138 С SCALE: 1:8 SHEET 1 OF 1



	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
С	WAS WELDED NOW ASSEMBLED, REMOVED 5505063, ADDED 5545347, 5530347, 5535013, UPDATED TITLE TO REFLECT MARKETING, UPDATED BOM REVISIONS	12/05/2018	TS	01038
D	REPLACED 5701254 WITH 5601393	06/06/2019	TM	01093
Е	REPLACED 5530347 WITH 55303370	02/18/2020	CA	01120



WHERE USED
RJ-45LP
RJ45W
RJ6W

RJ7W

NOTE: UNLESS OTHERWISE SPECIFIED.

ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5215697
5215816

ſ	ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
	1	5601393	RJW ROLLER BRACKET WELDMENT	1	Α
ſ	2	5575040	RJW ROLLER ASSEMBLY	1	С
Ī	3	5545347	WASHER, M12 FLAT WASHER	1	
ĺ	4	5530370	SHSS M10 x 1.50 x 32mm SHOULDER	1	
ſ	5	5535013	NUT M10 x 1.5 NI	1	

DO NOT SCALE DRAWING NAME DATE DRAWN TS 12/08/2017 CHECKED OR 03/04/2020 DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:



THE INFORMATION CONTIDENTIAL
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1645 LEMONWOOD DR. SANTA PAULA, CA 93060

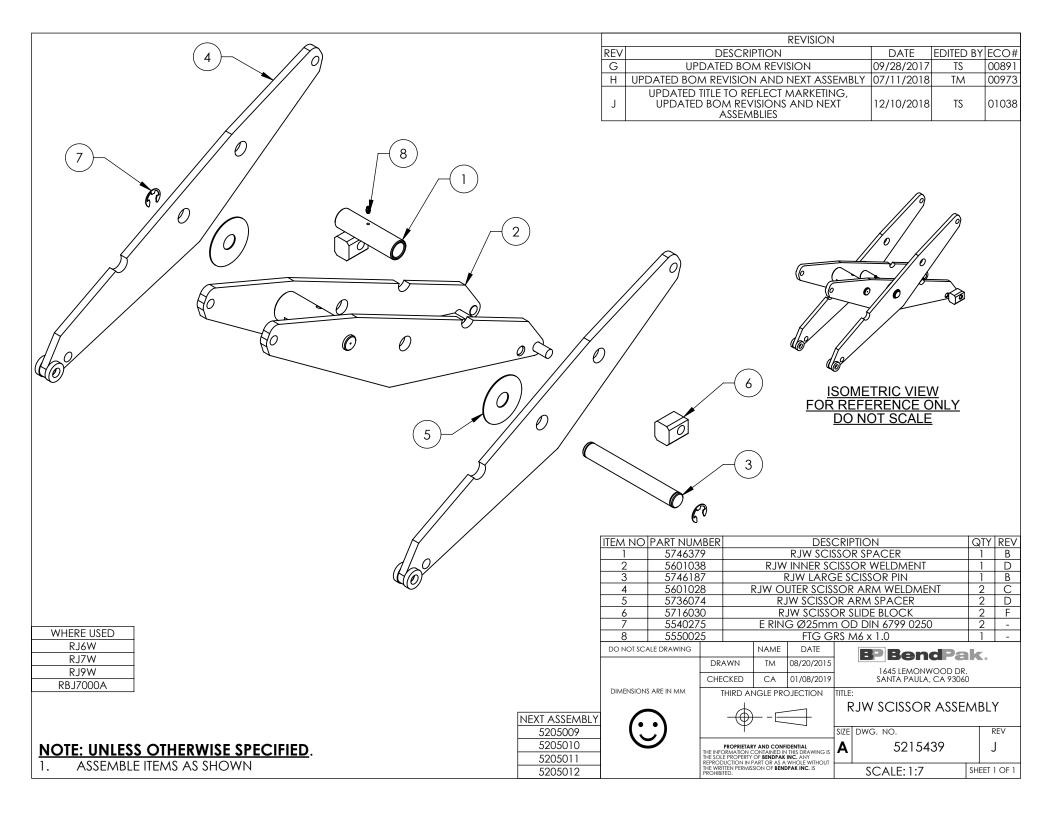
RJW ROLLER BRACKET **ASSEMBLY**

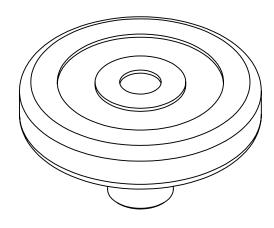
REV

Ε

SIZE DWG. NO. 5210165

SCALE: 1:2 SHEET 1 OF 1





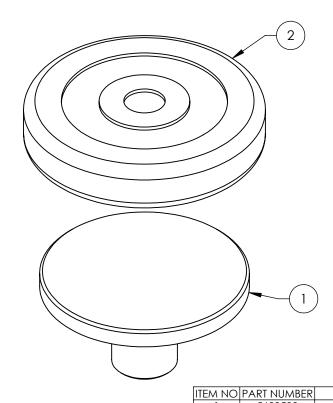
ISOMETRIC VIEW FOR REFERENCE ONLY DO NOT SCALE

WHERE	USED
QUICKJACK SERIES	MAXJAX
P9000 SERIES	D2-10 SERIES
MD-6XP	DMR-6
DMR-6	D2-8F
SP-7XE SERIES	HD-7BXT ACCY
GP-7 SERIES	
RJ-45LP	
RJW SERIES	
RBJ7000A	

NOTE: UNLESS OTHERWISE SPECIFIED.

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING ASSEMBLE ITEMS AS SHOWN
- 2.

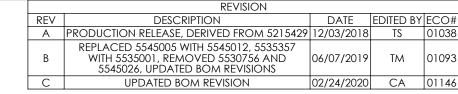
	REVISION									
REV	DESCRIPTION	DATE	EDITED BY	ECO#						
E E-001 E-002 E-003 E-004 E-005 E-006 E-007	UPDATE BOM REVISION AND NEXT ASSEMBLY UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLIES UPDATED NEXT ASSEMBLY UPDATED NEXT ASSEMBLY	12/19/2012 03/14/2013 06/21/2013 10/16/2014 03/24/2015 08/06/2015 11/24/2016 01/21/2016 05/25/2017	MR JM TM	00572 00586 00605 00663 00691 00715 00738 00739 00833						
E-009	UPDATED NEXT ASSEMBLY	09/12/2017	TM	00867						
F	UPDATED BOM REVISION	02/02/2018	TS	00922						
G	UPDATED BOM REVISION AND NEXT ASSEMBLY	05/31/2018	TM	00953						

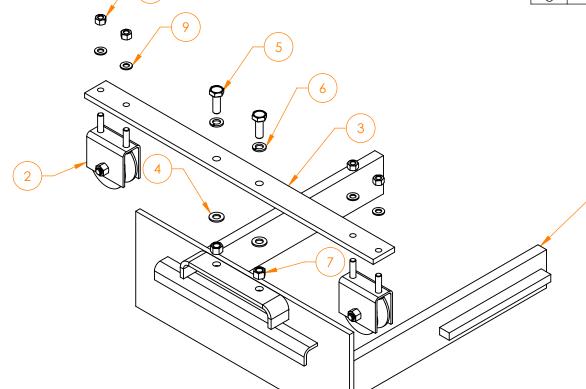


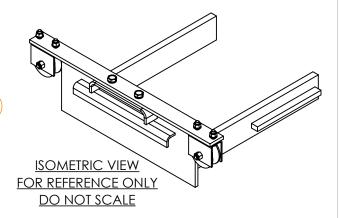
	1 5600588 ROUND LIFT PAD WELDMENT				1	C				
2 5715017 ROUND LIFT PAD ADA			\PTE	R POLYURETHANE PAD	1	Е				
NEVE ACCELUDIN	DO NOT SC	ALE DRAWING			NAME	DATE	-	Bonde		
NEXT ASSEMBLY 5150561 5250273			DR	AWN	AC	12/30/2010	_	P BendP		
5210163 5250273	-		СПЕ	CKFD	CA	06/18/2018		1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
5210194 5250293	DIMENSION	S ARE IN MM				, . ,	TITL C	, , , , , , , , , , , , , , , , , , , ,		
5210214 5250297	DIMENSION	5 7 (KE 114 74114)		IHIKD AI	NGLE PRO	DJECTION	TITLE	ROUND LIFT PAD)	
<u>5215865</u> <u>5250298</u>								ADAPTER ASSEMB	ΙY	
5215866 5250316	/	•)		4						
5216062		ار					SIZE	DWG. NO.	R	REV
5250080 5250328					Y AND CONF		Δ	5215507	- (G
5250115 5250331			THE SOI	E PROPERTY	OF BENDPAK	THIS DRAWING IS INC. ANY WHOLE WITHOUT	۲`	32.3337		•
5250128 5250373 5250271 5250374	-			ITTEN PERMIS	SION OF BEN E			SCALE: 1:2	SHEET 1	OF 1
32302/ T 32303/ T								0 07 (221 112		

DESCRIPTION

QTY REV







	ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
	1	5601290	RJ6W BASE EXTENSION ARM WELDMENT	1	В
	2	5210165	RJW ROLLER BRACKET ASSEMBLY	2	Е
	3	5737039	RJW SPRING PLATE	1	D
	4	5545341	Washer M10 x Ø20 flat	2	
	5	5530021	HHB, M10 x 1.5 x 30	2	
	6	5545200	WASHER M10 x Ø18 SL	2	
	7	5535013	NUT M10 x 1.5 NL	2	
	8	5535001	NUT M8 x 1.25 NL	4	
9 5545012		5545012	WASHER, M8x16x1.6mm FLAT	4	

DATE

NAME

DRAWN TS 12/03/2018 CHECKED 03/04/2020 OR DIMENSIONS ARE IN MM THIRD ANGLE PROJECTION TITLE:

DO NOT SCALE DRAWING

ASSEMBLY SIZE DWG. NO. PROPRIETARY AND CONFIDENTIAL
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1645 LEMONWOOD DR. SANTA PAULA, CA 93060

REV

C

SHEET 1 OF 1

RJ6W LOWER ARM

SCALE: 1:5

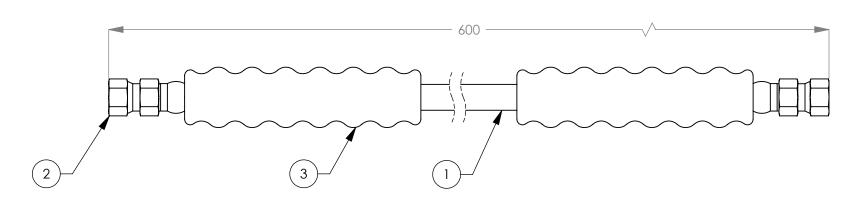
NOTE: UNLESS OTHERWISE SPECIFIED.

1. ASSEMBLE ITEMS AS SHOWN

WHERE USED RJ6W

> **NEXT ASSEMBLY** 5205010

	REVISION			
REV	DESCRIPTION	DATE	EDITED BY	ECO#
C C-001	UPDATED 5570171 TO SHOW ROUTING UPDATED NEXT ASSEMBLIES	03/17/2015 08/21/2015		00692 00719
D	UPDATED TITLE AND NEXT ASSEMBLIES	02/29/2016	CA	00739
Е	UPDATED TITLE TO REFLECT MARKETING, UPDATED NEXT ASSEMBLIES	12/28/2018	TS	01038



WHERE USED					
RJ-45LP					
RJ45W					
RJ7W					
RJ9W					
RBJ7000A					
RBJ4500 BYB					
RBJ15000					
RBJ18000					
RBJ25000					

2 5550325 FTG NPL Ø1/4 CRIMP x -04 JIC 2	REV	QIY	IIEM NO PARI NUMBER	TIEW NO
	า* -	534mm*	1 5570171	1
2 5570027 HOSE BEND DESTRICTOR	-	2	2 5550325	2
5 3370037 HOSE BEIND RESTRICTOR 2	-	2	3 5570037	3

NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- 2. 3. 4.
- LENGTH SHOWN IS AFTER SWAGING
 ITEM 1 QTY FOR REFERENCE ONLY
 10,000 PSI / 700 BAR WORKING PRESSURE
- 5. 40,000 PSI / 2800 BAR MIN. BURST PRESSURE

NEXT ASSEMBLY	DO NOT SCALE DRAWING		NAME	DATE		P BendP		
5205005		DRAWN	AC	01/16/2010				
5205006			CHECKED	CA	04/24/2019		1645 LEMONWOOD DR SANTA PAULA, CA 9306	
5205007	DIMENSIONS ARE IN MM	THIRD AT	IGI F PRO	DJFCTION	, , , , , , , , , , , , , , , , , , , ,			
5205008	TOLERANCES: $0. = \pm 1.5$			TITL	E: RJW SERIES HOSE			
5205009							Ø6.4mm x 600mr	m DS
5205010	SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES	P			SIZE	DWG. NO.	REV	
5205011	UNLESS OTHERWISE SPECIFIED			PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHC		Α	5570806	F
5205012		THE SOLE PROPERTY O	OF BENDPAK		INC. ANY	$\overline{}$	3370000	
5205013		THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			SCALE: 1:2	SHEET 1 OF 1		



PART SPECIFICATION FORM STANDARD

BENDPAK Number:	5900093
MRP Description:	RJW SERIES MANUAL
Date:	10/27/2020
ECO:	

1. Engineering Specification

Application:

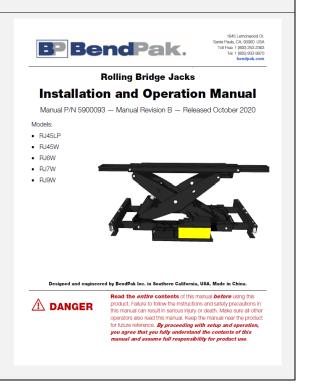
INSTALLATION MANUAL

Detailed Description:

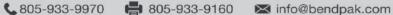
Print Settings for BendPak Manuals

Unless otherwise specified, use these settings for printing BendPak manuals:

- Color: Black and White.
- Size: A4 (210 to 297 mm), 8.5 by 11 inches (216 to 279 mm), or between
- Binding: Saddle stitched
- Paper: 100 to 120 gsm (27 to 32 pound), uncoated

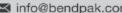


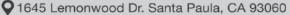
2. Vendor Information (Or for Reference)						
Approved Vendor						
1)						
OR BENDPAK ENGINEERING APPROVED EQUIVALENT						











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