

Service Manual

SERVICE PARTS & DIAGRAMS

BENDPAK

HDS-40X

PRODUCT SKU
5175178

DRAWING Nº
5260608

CATEGORY
Four Post Lift

REV
Version J

DATE
08.29.2022



BendPak.

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.

BendPak, Inc. Corporate Office

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customerservice@bendpak.com

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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

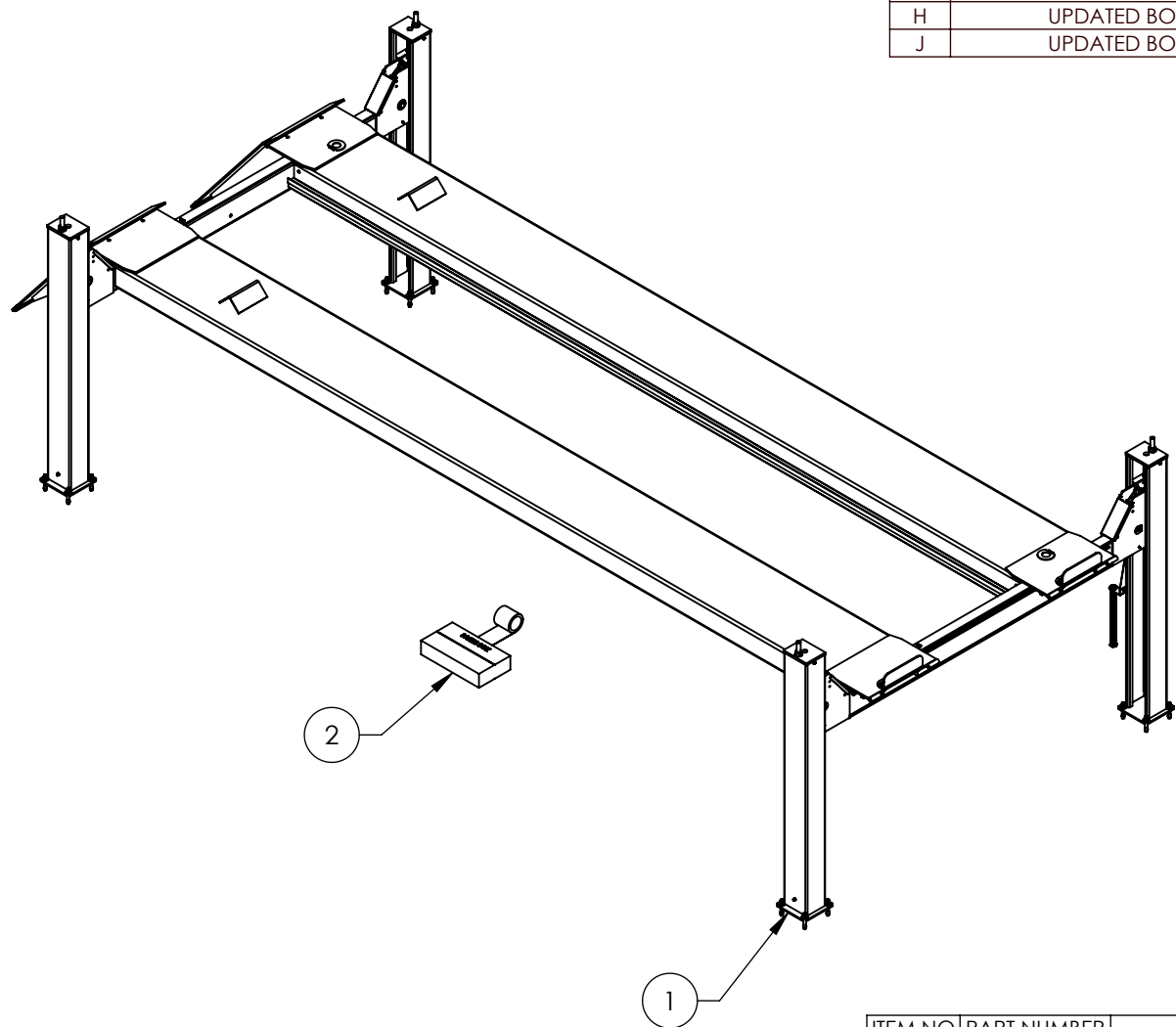
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Office Tel: 1-805-933-9970
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Fax: 1-805-933-9160
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Fax: 1-805-933-9160
bpkexports@bendpak.com

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	REPLACED LABELS WITH COLORS & GRAPHICS NOTE	09/27/2021	TM	01344
H	UPDATED BOM REVISION	05/27/2022	TM	01414
J	UPDATED BOM REVISION	08/09/2022	TM	01436



NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT

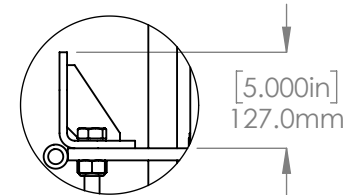
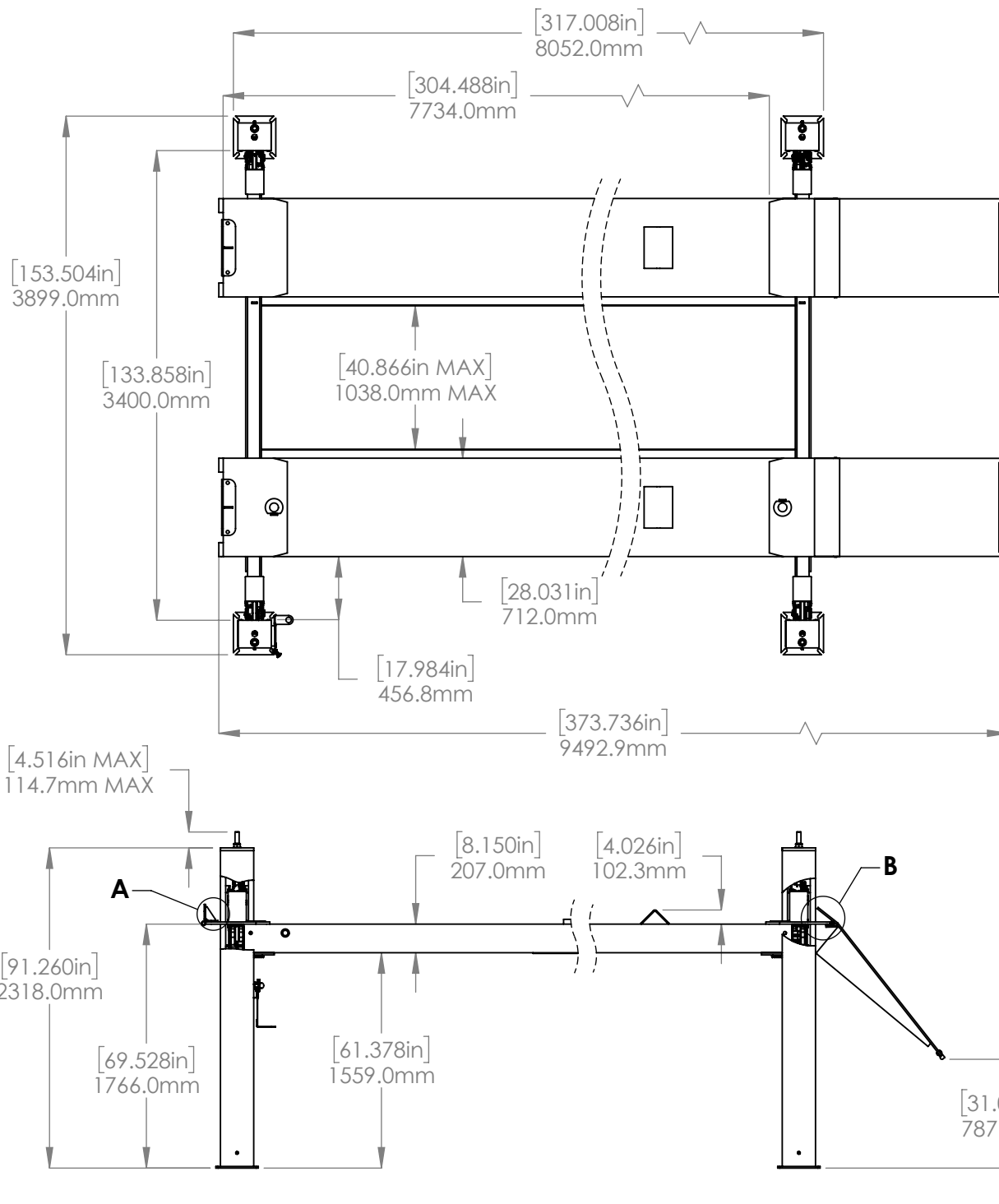
ITEM NO	PART NUMBER	DESCRIPTION		QTY	REV
1	5245092	HDS-40X LIFT SUPERSTRUCTURE		1	G
2	5250082	HDS-40X PARTS BOX		1	E

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		TM	12/18/2019	
CHECKED		OR	08/16/2022	

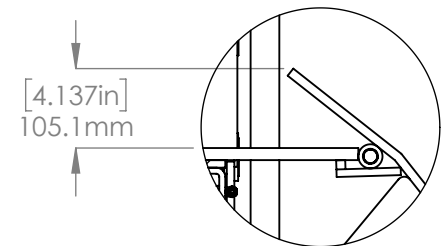
DIMENSIONS ARE IN MM		THIRD ANGLE PROJECTION		TITLE:
				HDS-40X PRODUCTION LIFT VER D (CE CERT)
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		SIZE DWG. NO.
				REV

A	5260608	J
	SCALE: 1:55	

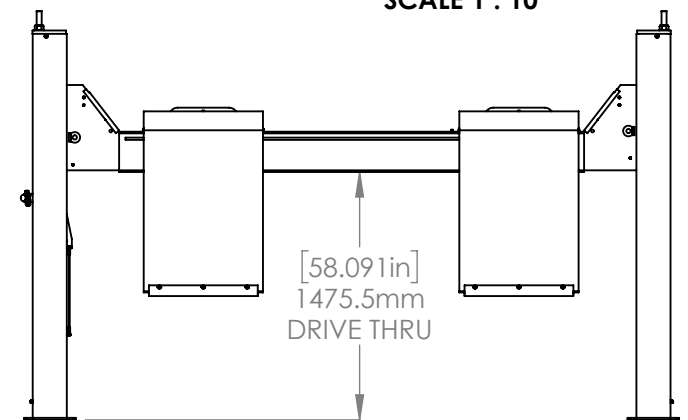
SHEET 1 OF 3	
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DETAIL A
SCALE 1 : 10

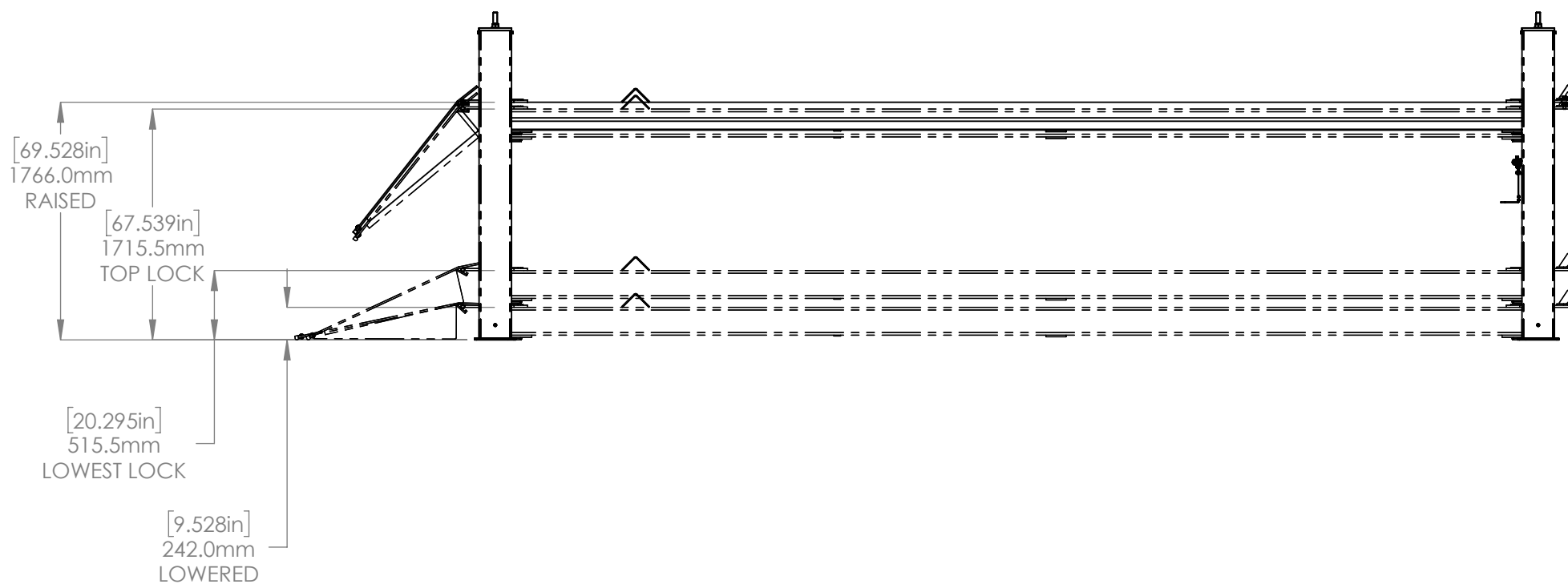


DETAIL B
SCALE 1 : 10



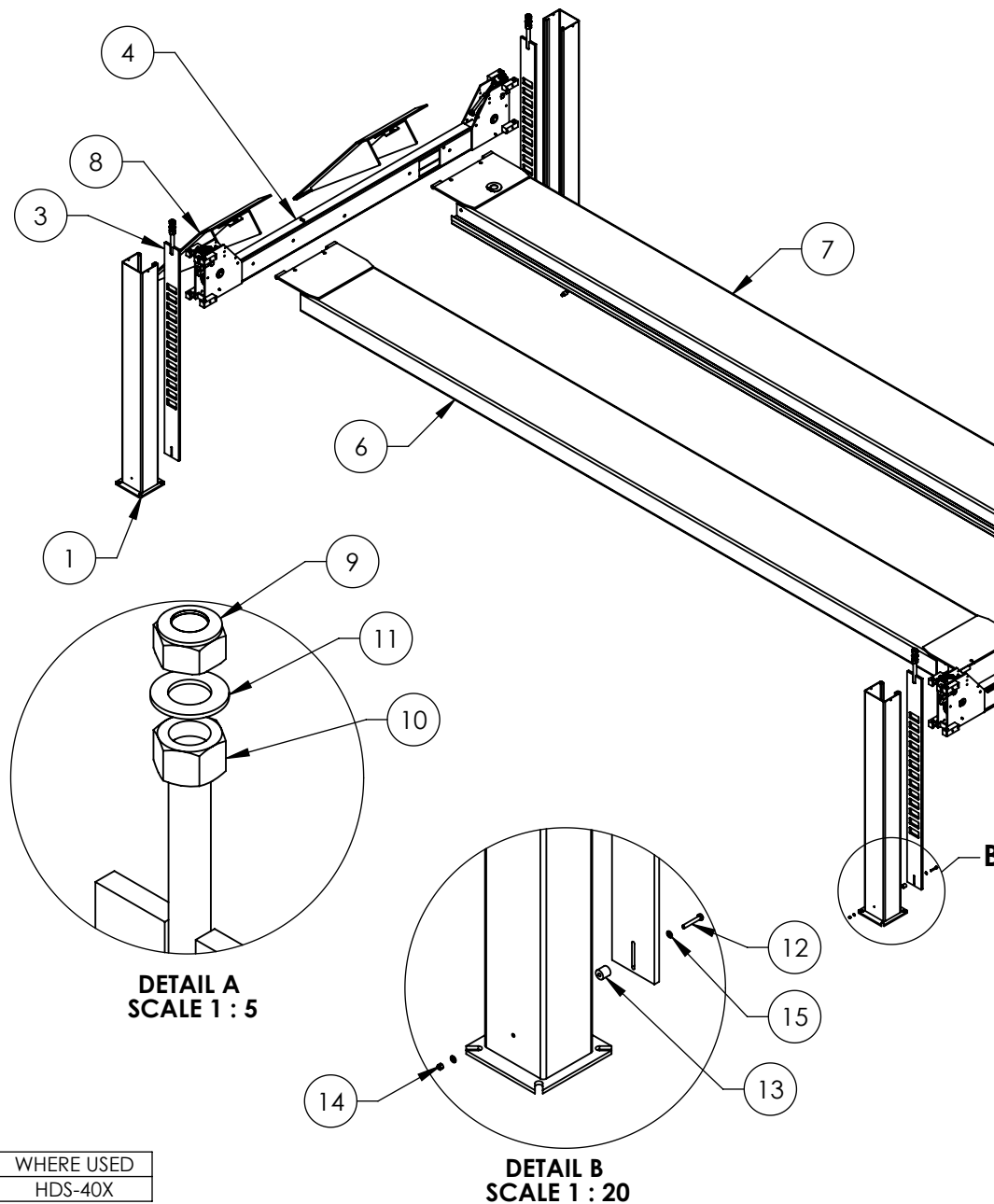
FRONT VIEW

BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HDS-40X PRODUCTION LIFT VER D (CE CERT)		
SIZE	DWG. NO.	REV
A	5260608	J
SCALE: 1:45		SHEET 2 OF 3



1. DIMENSIONS SHOWN ARE WITH THE LOCK LADDERS ADJUSTED ALL THE WAY UP

BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HDS-40X PRODUCTION LIFT VER D (CE CERT)		
SIZE	DWG. NO.	REV
A	5260608	J
SCALE: 1:45		SHEET 3 OF 3



WHERE USED
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. FASTEN NUTS AND WASHERS TO SAFETY LADDERS IN ORDER SHOWN FOR SHIPMENT

NEXT ASSEMBLY
5260248

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	08/26/2021	CA	01322
F	REPLACED 5215892 WITH 5216169, 5215893 WITH 5216170	05/23/2022	TM	01414
G	UPDATED BOM REVISION	08/09/2022	TM	01436

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601141	HDS-18/27/40 POST WELDMENT	3	B
2	5601143	HDS-18/27/40 POWER POST WELDMENT	1	B
3	5601246	HDS-40 SAFETY LADDER WELDMENT	4	A
4	5216169	HDS-40 CROSSTUBE ASSEMBLY, LARGE WINDOW	1	A
5	5216170	HDS-40 CROSSTUBE ASSEMBLY, SMALL WINDOW	1	A
6	5601448	HDS-40X OFF SIDE RAMP WELDMENT	1	A
7	5215149	HDS-40X POWER SIDE RAMP ASSEMBLY	1	Y
8	5215162	HDS-40 EXTENDED DRIVE UP RAMP ASSEMBLY	2	H
9	5535104	NUT M30 x 3.5 NL	4	-
10	5535212	NUT M30 x 3.5	4	-
11	5545415	WASHER M30 x 56 FLAT	4	-
12	5530046	HHB M10 x 1.5 x 65mm	4	-
13	5746369	HDS-40 SPACER, SAFETY LADDER, 30mm LG	4	B
14	5535013	NUT M10 x 1.5 NL	4	-
15	5545341	WASHER M10 x Ø20 FLAT	8	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN TM	12/18/2019
CHECKED OR	08/16/2022

THIRD ANGLE PROJECTION



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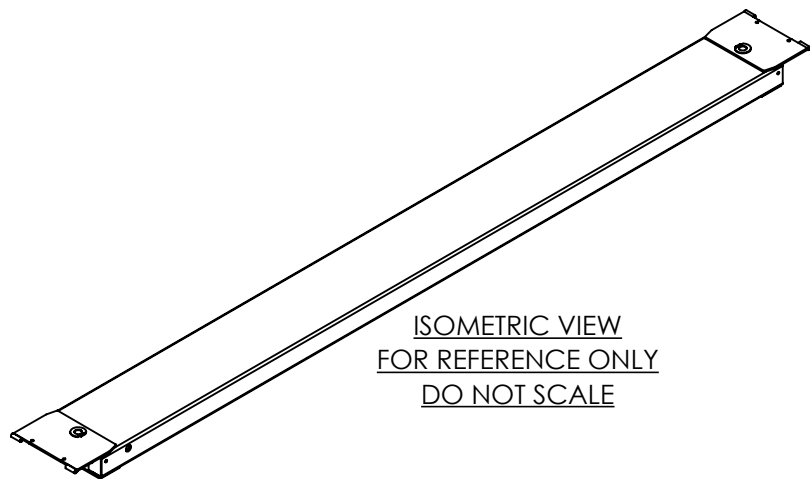
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HDS-40X LIFT
SUPERSTRUCTURE

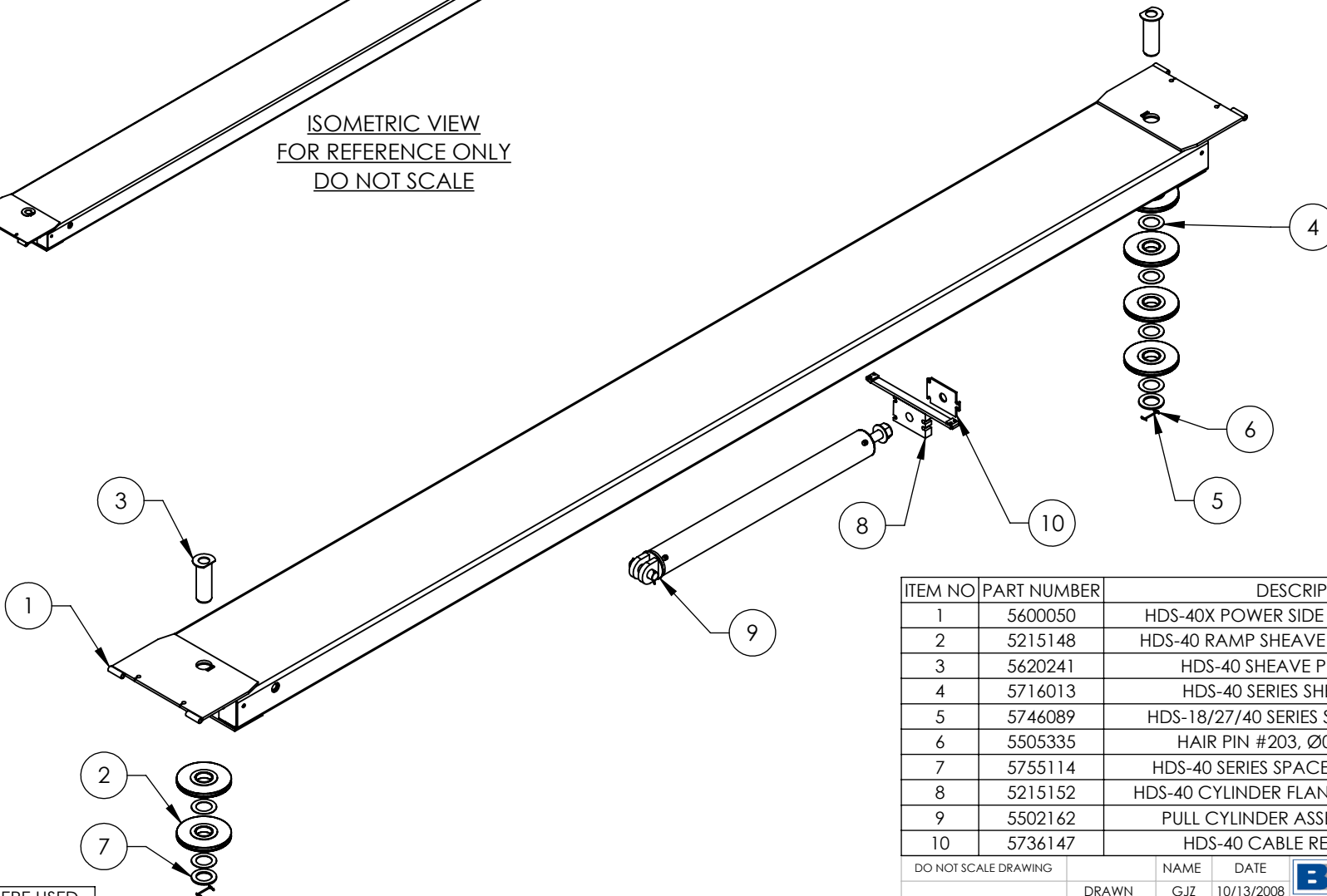
SIZE	DWG. NO.	REV
A	5245092	G

SCALE: 1:60

SHEET 1 OF 1



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



WHERE USED
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN
- VERIFY CYLINDER PORTS ARE CAPPED OFF WITH 3/8" NPT STEEL PLUG

NEXT ASSEMBLY
5245092

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
W	UPDATED BOM REVISION AND NEXT ASSEMBLY	12/09/2019	TM	01120
X	UPDATED BOM REVISION	11/04/2020	CA	01227
Y	REPLACED (1) 5620179 WITH 5620241, UPDATED BOM REVISIONS	08/26/2021	CA	01322

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600050	HDS-40X POWER SIDE RAMP WELDMENT	1	L
2	5215148	HDS-40 RAMP SHEAVE ROLLER ASSEMBLY	6	E
3	5620241	HDS-40 SHEAVE PIN WELDMENT	2	C
4	5716013	HDS-40 SERIES SHEAVE SPACER	6	B
5	5746089	HDS-18/27/40 SERIES SHEAVE SHAFT PIN	2	D
6	5505335	HAIR PIN #203, Ø0.093" X 1 5/8"	4	-
7	5755114	HDS-40 SERIES SPACER, RAMP SHEAVE	2	B
8	5215152	HDS-40 CYLINDER FLANGE ARM ASSEMBLY	1	G
9	5502162	PULL CYLINDER ASSEMBLY Ø5.5 x 60	1	M
10	5736147	HDS-40 CABLE RETAINER PLATE	1	C

DO NOT SCALE DRAWING

NAME	DATE
DRAWN GJZ	10/13/2008
CHECKED OR	09/15/2021

DIMENSIONS ARE IN MM



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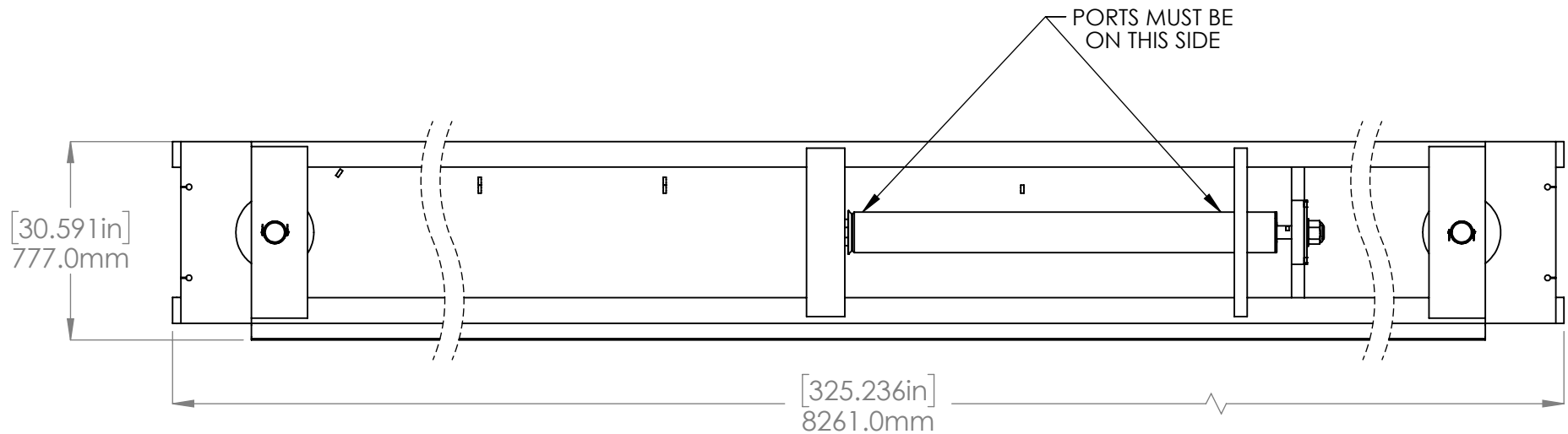
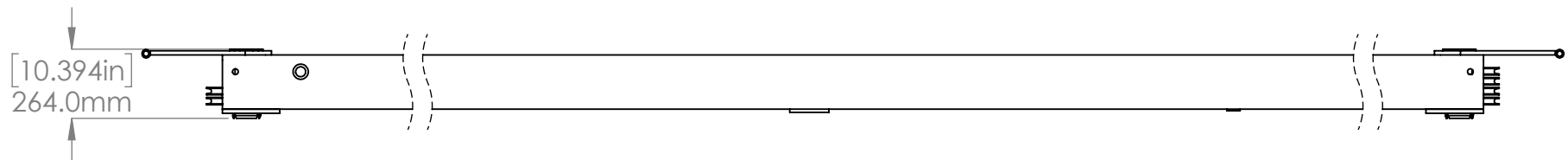
BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HDS-40X POWER SIDE
RAMP ASSEMBLY

SIZE DWG. NO. REV
A 5215149 Y

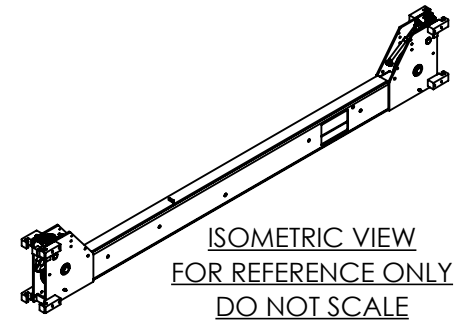
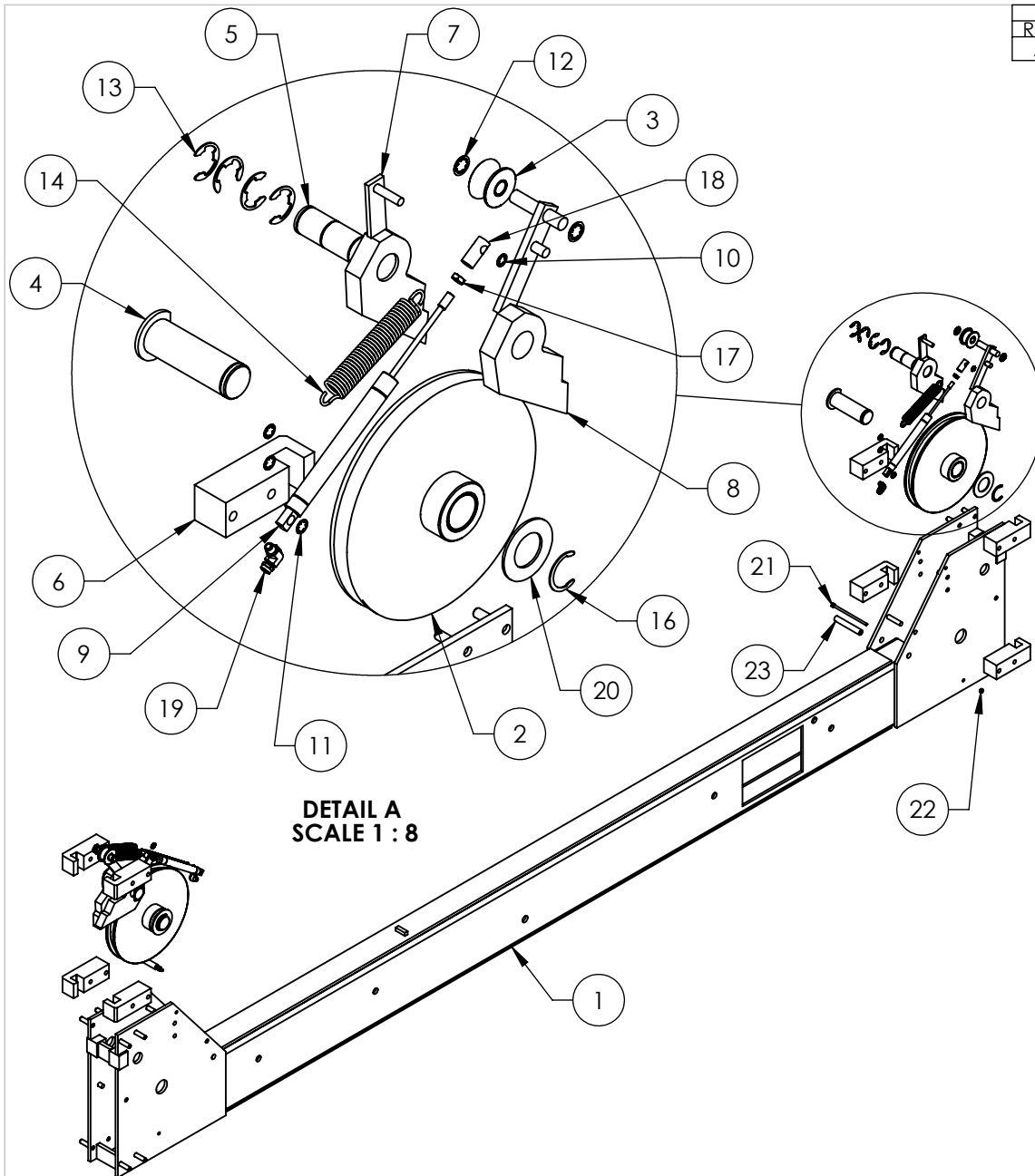
SCALE: 1:35

SHEET 1 OF 2



BP BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
TITLE: HDS-40X POWER SIDE RAMP ASSEMBLY		
SIZE	DWG. NO.	REV
A	5215149	Y
SCALE: 1:25		SHEET 2 OF 2

REVISION		DATE	EDITED BY	ECO#
REV	DESCRIPTION			
A	PRODUCTION RELEASE, DERIVED FROM 5215892	05/03/2022	TM	01414



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601833	HDS-40 CROSSTUBE WELDMENT, LARGE WINDOW	1	B
2	5215139	HDS-40 CROSSTUBE SHEAVE ASSEMBLY	2	C
3	5215143	HDS-40 SAFETY ROLLER ASSEMBLY	2	D
4	5505124	HDS-18/27/40 CROSSTUBE SHEAVE SHAFT WELDMENT	2	G
5	5505125	HDS-18/27/40 SAFETY PIN	2	E
6	5716043	HDS-40 POLYETHYLENE SLIDE BLOCK	8	B
7	5210359	HDS-18/27/40 SAFETY WELDMENT #1	2	D
8	5210358	HDS-18/27/40 SAFETY WELDMENT #2	2	E
9	5502335	AIR CYLINDER, Ø.75 x 4.0" STROKE	2	-
10	5505030	PUSH-ON CLIP Ø10mm SS	3	-
11	5505031	ROTOR CLIP Ø12mm SS	6	-
12	5505033	PUSH-ON CLIP Ø16mm SS	4	-
13	5540002	E RING Ø1.375" OD TRUARC X5133-137	8	-
14	5540060	SPRING Ø29 x 178mm, SLACK SAFETY	3	A
15	5540055	SPRING Ø19 x 241mm, AIR CYLINDER	1	A
16	5540112	SNAP RING; TRUARC 5103-175	2	-
17	5535101	3/8-16 HEX NUT JAM	2	-
18	5550376	HDS-18/27/40 ADAPTER, 1" AIR CYLINDER	2	D
19	5550087	FTG ELB -04 COMP x -02 NPT	2	-
20	5545108	WASHER M45 x 80 FLAT	2	-
21	5530317	HHB M6 x 1 x 136	2	-
22	5535357	NUT M6 x 1.0 NL	2	-
23	5755158	HD-18/27/40 CROSSTUBE SPACER Ø16 x Ø10 x 102	2	B

DO NOT SCALE DRAWING

NAME
DATE

DRAWN TM 05/03/2022

CHECKED

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HDS-40 CROSSTUBE
ASSEMBLY, LARGE WINDOW

SIZE DWG. NO. REV
A 5216169 A

SCALE: 1:20 SHEET 1 OF 1

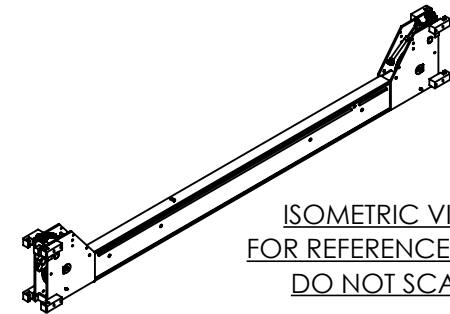
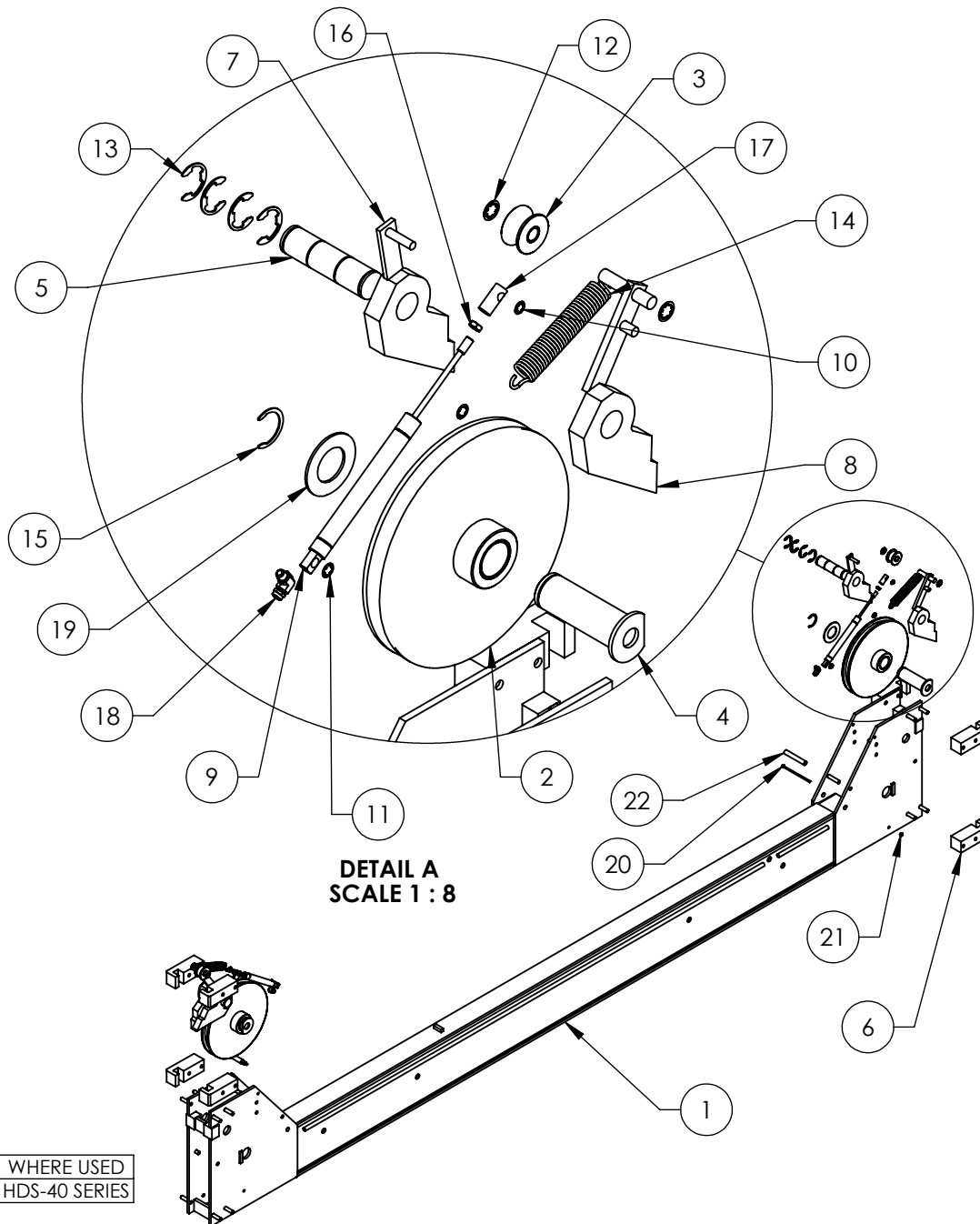
WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245091
5245092

REV	DESCRIPTION	REVISION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5215893		05/03/2022	TM	01414



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5601834	HDS-40 CROSSTUBE WELDMENT, SMALL WINDOW	1	A
2	5215139	HDS-40 CROSSTUBE SHEAVE ASSEMBLY	2	C
3	5215143	HDS-40 SAFETY ROLLER ASSEMBLY	2	D
4	5505124	HDS-18/27/40 CROSSTUBE SHEAVE SHAFT WELDMENT	2	G
5	5505125	HDS-18/27/40 SAFETY PIN	2	E
6	5716043	HDS-40 POLYETHYLENE SLIDE BLOCK	8	B
7	5210359	HDS-18/27/40 SAFETY WELDMENT #1	2	D
8	5210358	HDS-18/27/40 SAFETY WELDMENT #2	2	E
9	5502335	AIR CYLINDER, Ø.75 x 4.0" STROKE	2	-
10	5505030	PUSH-ON CLIP Ø10mm SS	2	-
11	5505031	ROTOR CLIP Ø12mm SS	4	-
12	5505033	PUSH-ON CLIP Ø16mm SS	4	-
13	5540002	E RING Ø1.375" OD TRUARC X5133-137	8	-
14	5540060	SPRING Ø29 x 178mm, SLACK SAFETY	2	A
15	5540112	SNAP RING; TRUARC 5103-175	2	-
16	5535101	3/8-16 HEX NUT JAM	2	-
17	5550376	HDS-18/27/40 ADAPTER, 1" AIR CYLINDER	2	-
18	5550087	FTG ELB -04 COMP x -02 NPT	2	-
19	5545108	WASHER M45 x 80 FLAT	2	-
20	5530317	HHB M6 x 1 x 136	2	-
21	5535357	NUT M6 x 1.0 NL	2	-
22	5755158	HD-18/27/40 CROSSTUBE SPACER Ø16 x Ø10 x 102	2	B

DO NOT SCALE DRAWING

NAME DATE

DRAWN TM 05/03/2022

CHECKED

DIMENSIONS ARE IN MM

THIRD ANGLE PROJECTION



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: HDS-40 CROSSTUBE ASSEMBLY, SMALL WINDOW

SIZE DWG. NO. REV
A 5216170 A

SCALE: 1:25 SHEET 1 OF 1

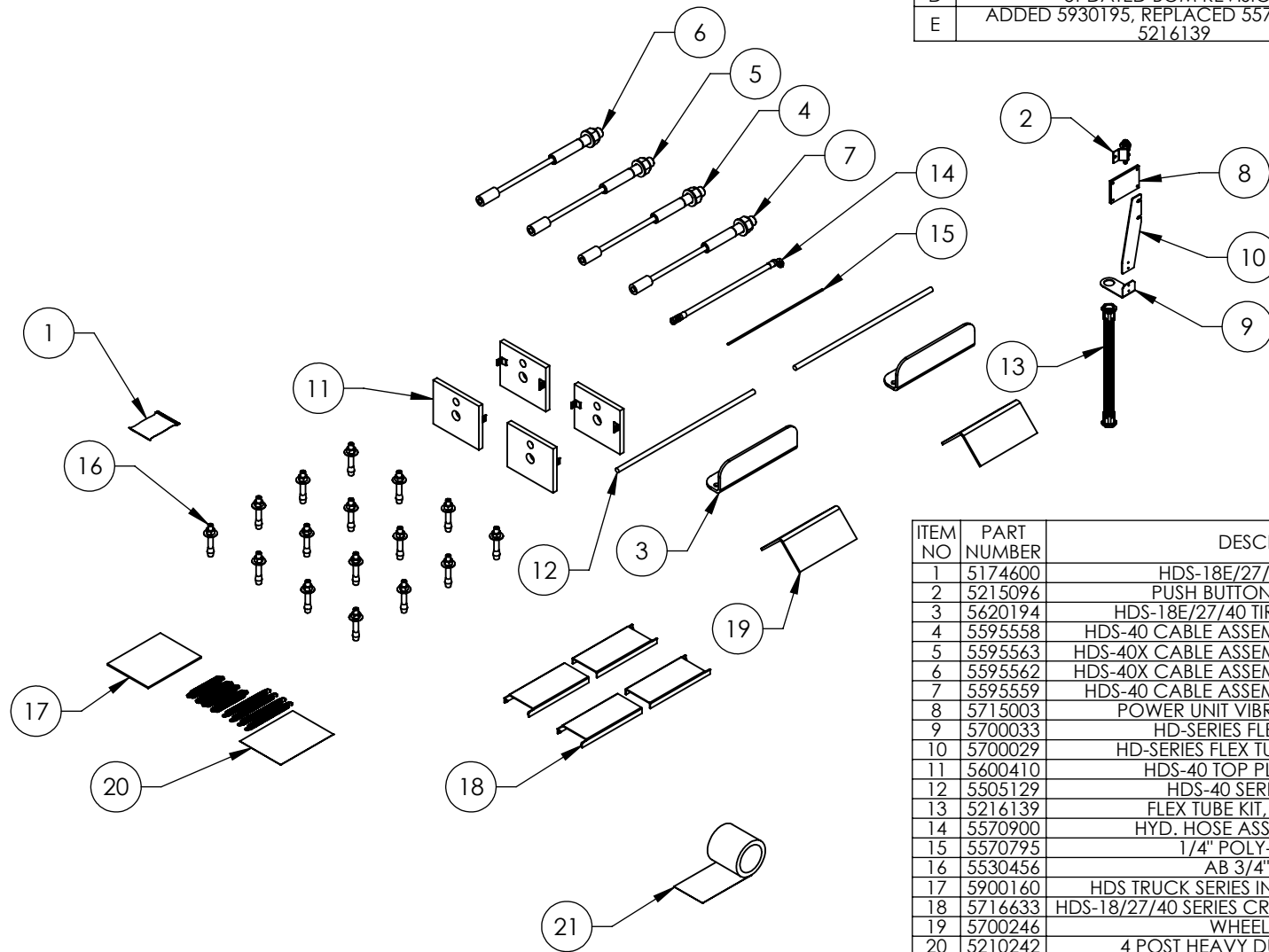
WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
5245091
5245092

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
C	ADDED 5210242, REMOVED 5535055 AND 5545032, UPDATED BOM REVISIONS	07/21/2020	TM	01174
D	UPDATED BOM REVISION	08/25/2021	CA	01322
E	ADDED 5930195, REPLACED 5570050 WITH 5216139	05/04/2022	TM	01414 PRE A



ITEM NO	PART NUMBER	DESCRIPTION	QTY.	REV
1	5174600	HDS-18E/27/40 PARTS BAG	1	H
2	5215096	PUSH BUTTON AIR ASSEMBLY	1	G
3	5620194	HDS-18E/27/40 TIRE STOP WELDMENT	2	C
4	5595558	HDS-40 CABLE ASSEMBLY Ø19 x 4102mm ST	1	B
5	5595563	HDS-40X CABLE ASSEMBLY Ø19 x 13691mm ST	1	B
6	5595562	HDS-40X CABLE ASSEMBLY Ø19 x 11976mm ST	1	B
7	5595559	HDS-40 CABLE ASSEMBLY Ø19 x 5836mm ST	1	B
8	5715003	POWER UNIT VIBRATION DAMPENER	1	B
9	5700033	HD-SERIES FLEX TUBE ANGLE	1	E
10	5700029	HD-SERIES FLEX TUBE BRACKET PLATE	1	F
11	5600410	HDS-40 TOP PLATE WELDMENT	4	C
12	5505129	HDS-40 SERIES HINGE PIN	2	B
13	5216139	FLEX TUBE KIT, UP TO 2000mm	1	A
14	5570900	HYD. HOSE ASSY Ø10 x 6782mm	1	A
15	5570795	1/4" POLY-FLO TUBING	24000mm*	-
16	5530456	AB 3/4" x 4 - 3/4"	16	-
17	5900160	HDS TRUCK SERIES INSTALLATION MANUAL	1	-
18	5716633	HDS-18/27/40 SERIES CROSSTUBE COVER, PLASTIC	4	C
19	5700246	WHEEL CHOCK	2	B
20	5210242	4 POST HEAVY DUTY CE PARTS BAG	1	A
21	5930195	ANTI-SLIP TAPE, 6" x 24ft	1	--

WHERE USED
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
3. HOSES AND CABLES IN REPRESENTATIONAL FORM
4. (*) LENGTH FOR REFERENCE ONLY

NEXT ASSEMBLY
5260608

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME
TS
DATE
10/03/2018

CHECKED

THIRD ANGLE PROJECTION



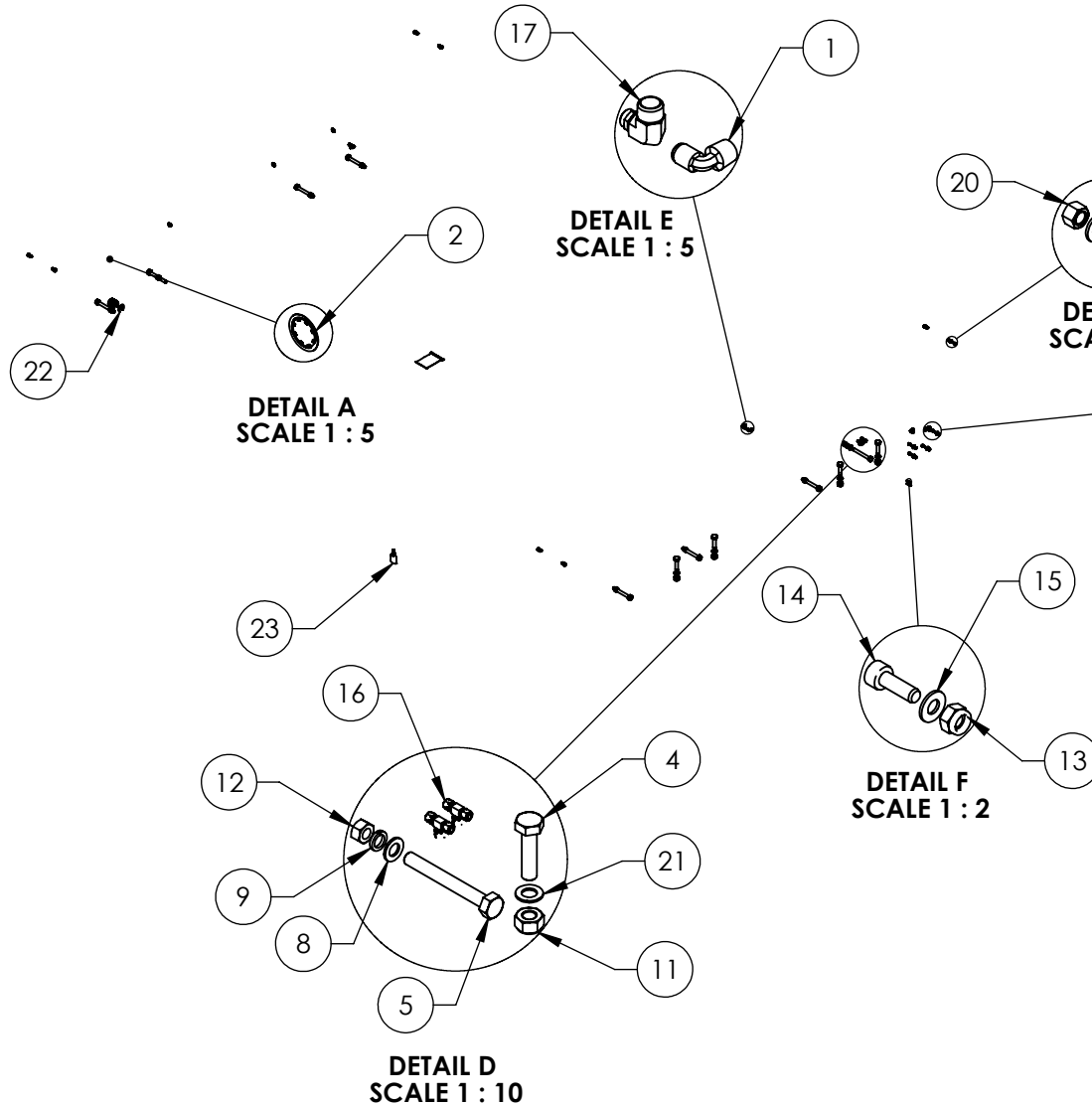
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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE:
HDS-40X PARTS BOX

SIZE DWG. NO. REV
A 5250082 E

SCALE: 1:25 SHEET 1 OF 1



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F	UPDATED TITLE TO REFLECT WHERE USED, UPDATED NEXT ASSEMBLY	05/15/2018	TS	00945
G	ADDED (4) 5530200, (4) 5545342, (4) 5545350, (4) 5535106, 5550026 AND 5580012	12/13/2019	TM	01120
H	REMOVED 5550026	08/25/2021	CA	01322

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5550550	FTG ELB -06 JIC -06 NPT	1	--
2	5505032	ROTOR CLIP 18mm SS	4	--
3	5535001	NUT M8 x 1.25 NL	4	--
4	5530743	HHB M20 x 2.5 x 80	4	--
5	5530200	HHB M18 x 2.5 x 150mm	8	--
6	5530010	HHB M8 x 1.25 x 25	4	--
7	5550183	FTG ELB -06 JIC -06L ORB	1	--
8	5545342	WASHER M18 FLAT	8	--
9	5545350	WASHER M18 x 28 SL	8	--
10	5545340	WASHER M8 x24 FLAT	4	--
11	5535017	NUT M20 x 2.5 NL	4	--
12	5535106	HEX NUT M18 x 2.5	8	--
13	5535010	NUT M4 X 0.7 NL	2	--
14	5530008	SHCS M4 x 0.7 x 12 BOC	2	--
15	5545009	WASHER, Ø4.3 x Ø9mm x 0.8mm	2	--
16	5550395	FTG TEE -04 COMP x -04 COMP x -04 COMP	3	--
17	5550089	FTG ELB -04 COMP x -06 NPT	2	--
18	5545341	WASHER M10 x Ø20 FLAT	8	--
19	5530738	HHB M10 x 1.5 x 25	8	--
20	5535013	NUT M10 x 1.5 NL	8	--
21	5545343	WASHER, M20 FLAT	4	--
22	5545535	C WASHER SHIM FOR LIFTS	20	--
23	5580012	LIQUID PTFE THREAD SEALANT 50ml	1	--

WHERE USED
HDS-18E
HDS-27 SERIES
HDS-40 SERIES

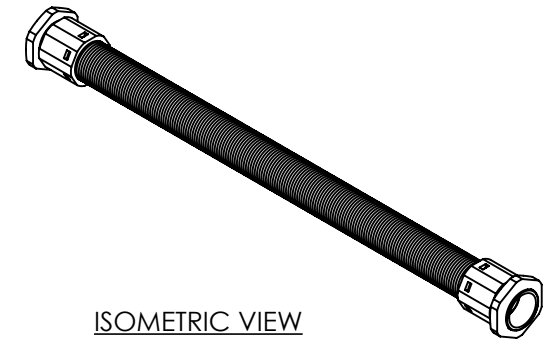
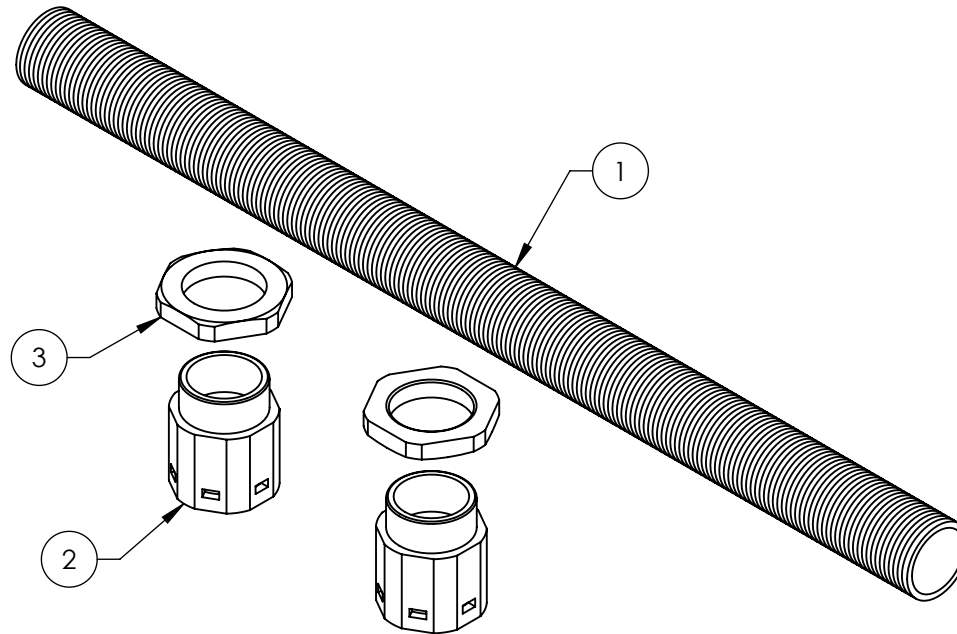
NOTE: UNLESS OTHERWISE SPECIFIED.

1. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING

NEXT ASSEMBLY
5250079
5250082
5250172
5250175
5250364

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM		DRAWN	AC	05/06/2009		
		CHECKED	OR	09/15/2021		
		THIRD ANGLE PROJECTION		TITLE: HDS-18E/27/40 PARTS BAG		
				SIZE	DWG. NO.	REV
				A	5174600	H
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		SCALE: 1:50		

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5570050, 5570052, 5570239	05/05/2022	TM	01414 PRE A



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
D4-12 SERIES
HD-14T
HD-7500 SERIES
HD-7W
HD-7P
HD-9 SERIES
HD-973 SERIES
HDS-14 SERIES
HDSO-14 SERIES
HDS-18/27/40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- SHOWN IN REPRESENTATIONAL FORM ONLY
(*)LENGTH FOR REFERENCE ONLY

NEXT ASSEMBLY		
5250058	5250175	5250289
5250059	5250184	5250290
5250079	5250185	5250294
5250081	5250187	5250295
5250082	5250188	5250336
5250143	5250189	5250337
5250144	5250191	5250338
5250164	5250193	5250349
5250167	5250194	5250364
5250168	5250195	
5250169	5250278	
5250172	5250286	

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5570053	PE FLEX TUBE Ø34.5xØ29	2100mm*	-
2	5555555	WQG1-M36/AD34.5 CONNECTOR	2	-
3	5535050	PLASTIC NUT M36 x 2	2	-

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME DATE

DRAWN TM 05/05/2022

CHECKED OR 05/10/2022

THIRD ANGLE PROJECTION



PROPRIETARY AND CONFIDENTIAL
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TITLE: FLEX TUBE KIT,
UP TO 2000mm

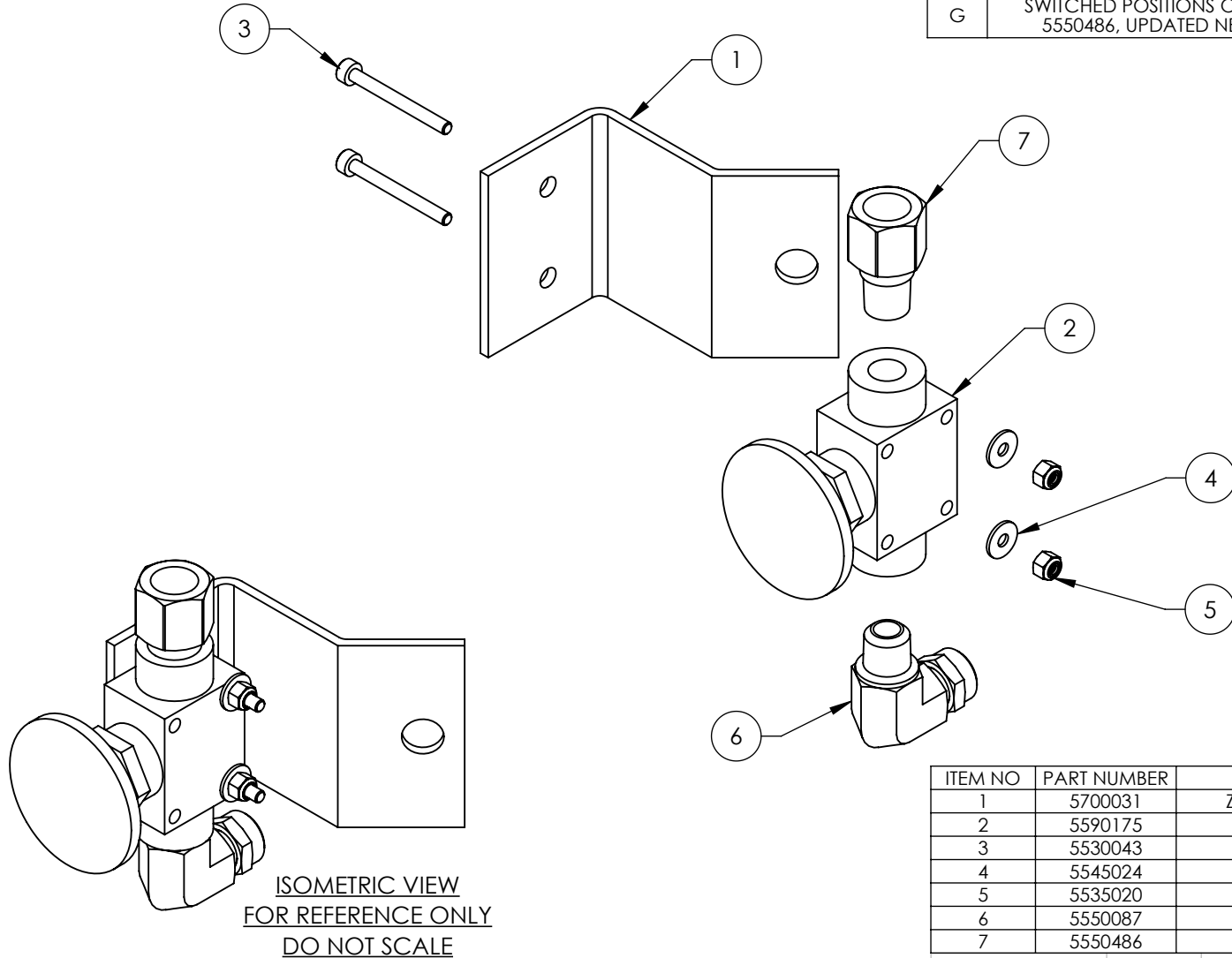
SIZE DWG. NO. REV

A 5216139 A

SCALE: 1:3

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	REPLACED 5550481 WITH 5550087	10/29/2013	TM	00593
F	REPLACED 5590240 WITH 5590175, UPDATED NEXT ASSEMBLIES	05/05/2015	MR	00683
G	SWITCHED POSITIONS OF 5550087 AND 5550486, UPDATED NEXT ASSEMBLY	06/16/2016	TS	00765

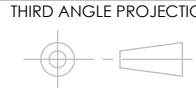


ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5700031	ZERO ANGLE MOUNTING BRACKET	1	C
2	5590175	PUSH BUTTON AIR VALVE	1	-
3	5530043	SHCS M3 x 0.5 x 30	2	-
4	5545024	WASHER, M3 x 9mm FLAT	2	-
5	5535020	NUT M3 x 0.5, NL CL8	2	-
6	5550087	FTG ELB -04 COMP x -02 NPT	1	-
7	5550486	FTG NPL -02 NPT x -04 F NPT	1	-

DO NOT SCALE DRAWING

NAME DATE
DRAWN AC 03/14/2008
CHECKED CA 09/02/2015

DIMENSIONS ARE IN MM



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BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

TITLE: PUSH BUTTON AIR
ASSEMBLY

SIZE DWG. NO. REV
A 5215096 G

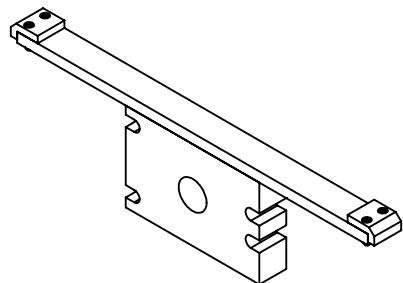
SCALE: 2:3

SHEET 1 OF 1

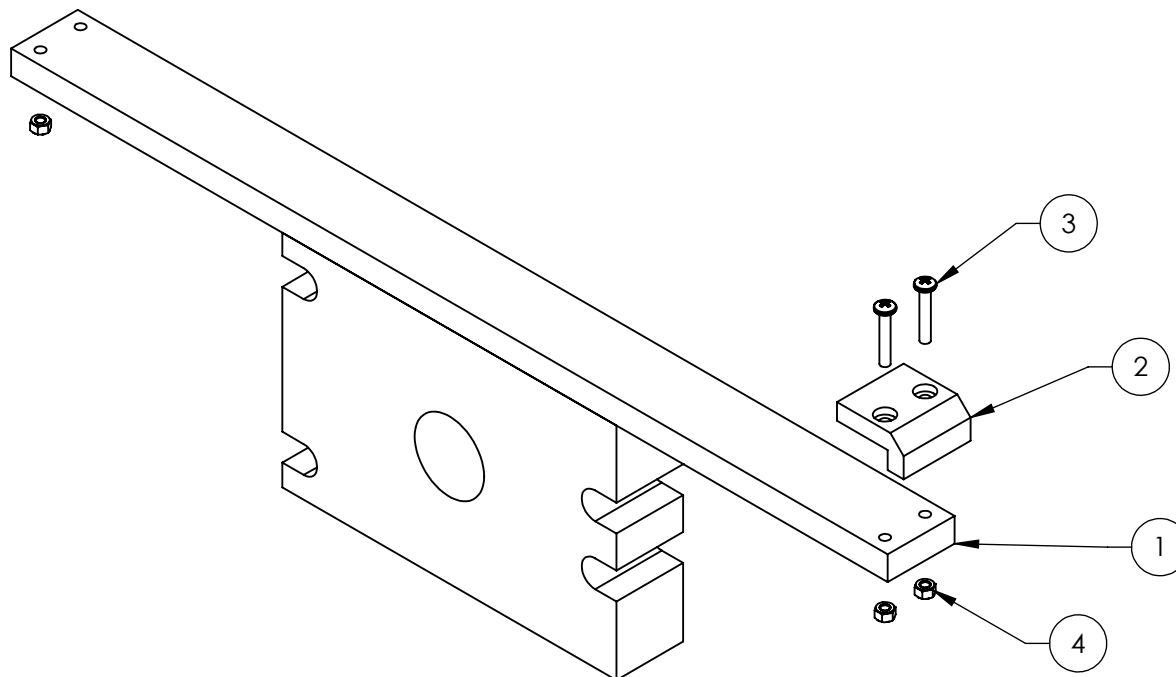
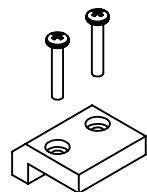
NOTE: UNLESS OTHERWISE SPECIFIED.

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

NEXT ASSEMBLY
D4-12 SERIES
HD SERIES
HDS SERIES
HDSO SERIES
PL-12000DP



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
E	UPDATED BOM REVISION	01/02/2018	TM	00909
F	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS AND NEXT ASSEMBLY	05/11/2018	TS	00945
G	UPDATED BOM REVISION	12/09/2019	TM	01120

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5620186	HDS-40 CYLINDER FLANGE ARM WELDMENT	1	F
2	5716153	HDS-18/27/40 SERIES ALIGNMENT BLOCK	2	E
3	5530701	BHPS M6 x 1 x 35mmL	4	-
4	5535357	NUT M6 x 1.0 NL	4	-

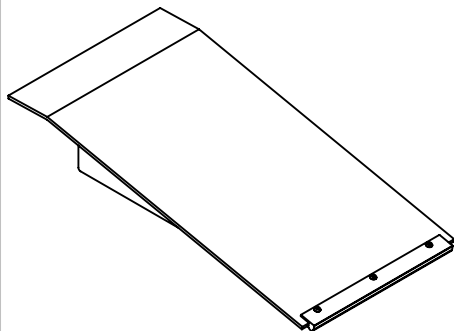
WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

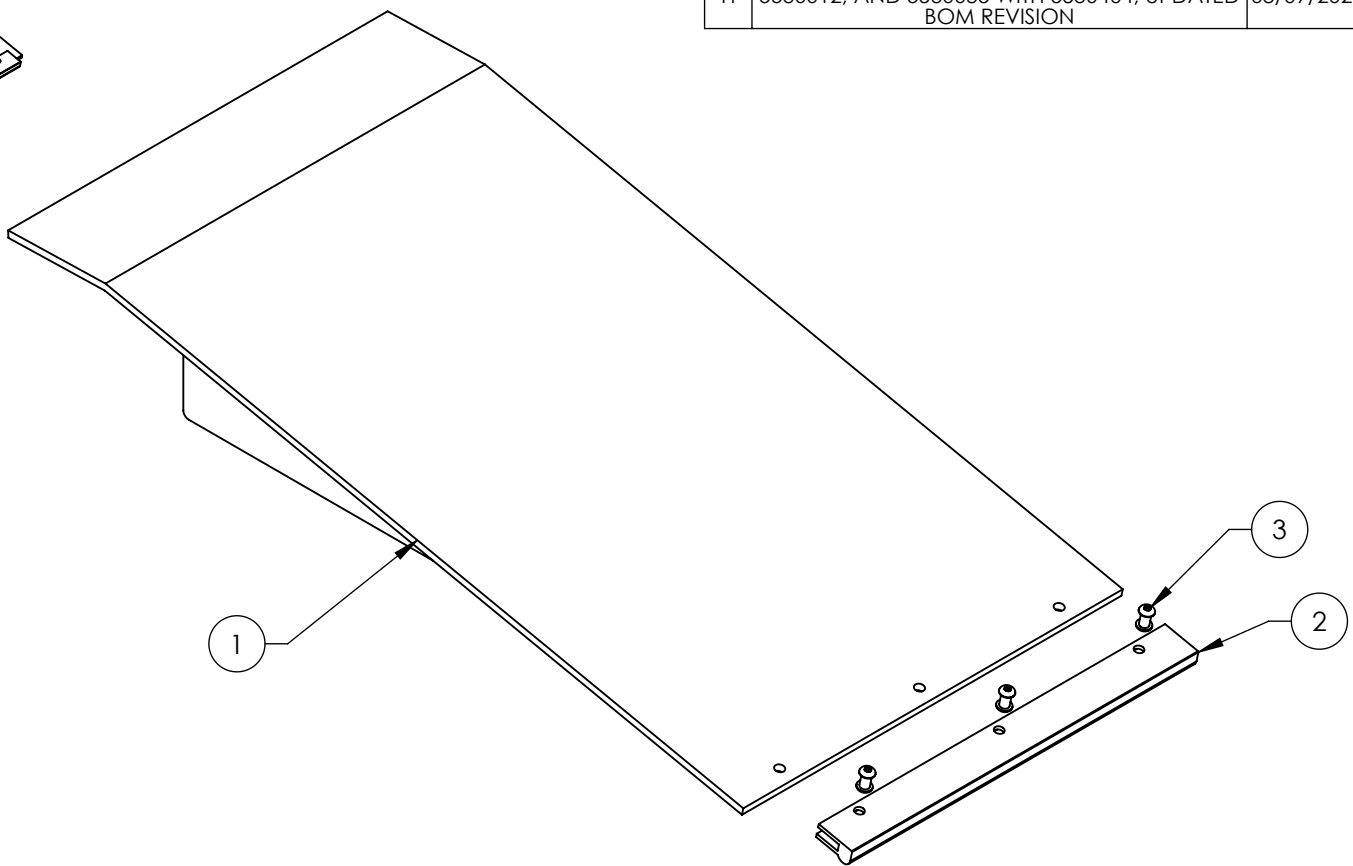
- SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
- ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5215149
5215240

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		GJZ	10/14/2008	
CHECKED		CA	02/07/2020	
DIMENSIONS ARE IN MM		THIRD ANGLE PROJECTION		TITLE: HDS-40 CYLINDER FLANGE ARM ASSEMBLY SIZE DWG. NO. A 5215152 REV G
				SCALE: 1:4 SHEET 1 OF 1
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS AND NEXT ASSEMBLIES	05/11/2018	TS	00945
G	UPDATED BOM REVISION AND NEXT ASSEMBLIES	10/02/2019	TS	01120
H	REPLACED 5575663, WITH 5716089, REPLACED 5530012, AND 5530035 WITH 5530464, UPDATED BOM REVISION	08/09/2022	TM	01436

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5600266	HDS-40 EXTENDED DRIVE UP RAMP WELDMENT	1	H
2	5716089	HDS-40 APPROACH RAMP EDGE GUARD	1	A
3	5530464	BBSS M10 x 1.5 x 24mm	3	--

WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. SEE COLORS & GRAPHICS FOR LABEL PLACEMENT
3. SEE SHIPPING INSTRUCTIONS FOR FINAL PACKAGING
4. ASSEMBLE ITEMS AS SHOWN

NEXT ASSEMBLY
5245091
5245092

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM



NAME	DATE
DRAWN AC	05/06/2009
CHECKED OR	08/16/2022

THIRD ANGLE PROJECTION



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BP BendPak
1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

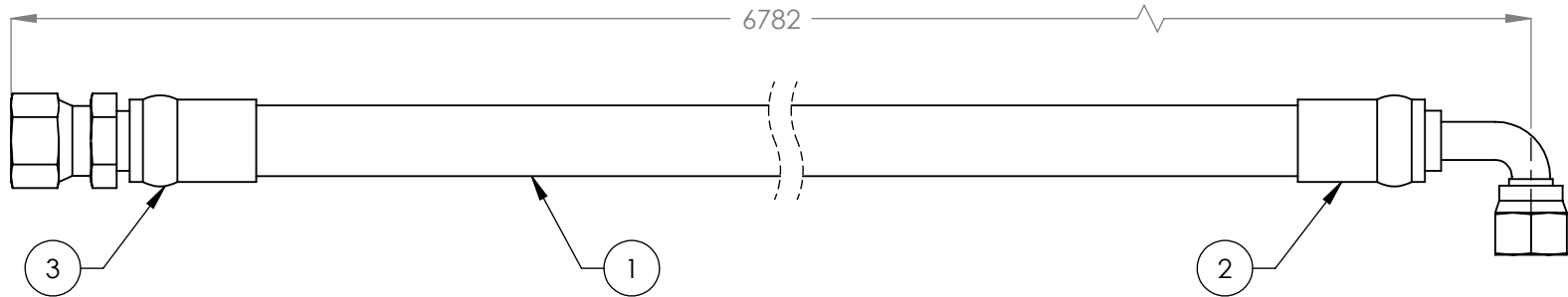
TITLE: HDS-40 EXTENDED DRIVE UP RAMP ASSEMBLY

SIZE DWG. NO.	REV
A 5215162	H

SCALE: 1:10

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE	08/27/2008	AC	00235
A-001	UPDATED NEXT ASSEMBLY	07/31/2009	TM	00241
A-002	UPDATED NEXT ASSEMBLY	06/11/2010	TM	00371
A-003	UPDATED NEXT ASSEMBLIES	09/26/2012	TM	00545
A-004	UPDATED NEXT ASSEMBLIES	05/20/2013	TM	00593
A-005	UPDATED NEXT ASSEMBLIES	04/29/2014	TM	00646
A-006	UPDATED NEXT ASSEMBLIES	06/04/2015	TM	00683



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5570116	Ø10 ID HYDRAULIC HOSE	1	--
2	5550337	FTG ELB -06 CRIMP x -06 JIC	1	--
3	5550336	FTG NPL -06 CRIMP x -06 JIC	1	--

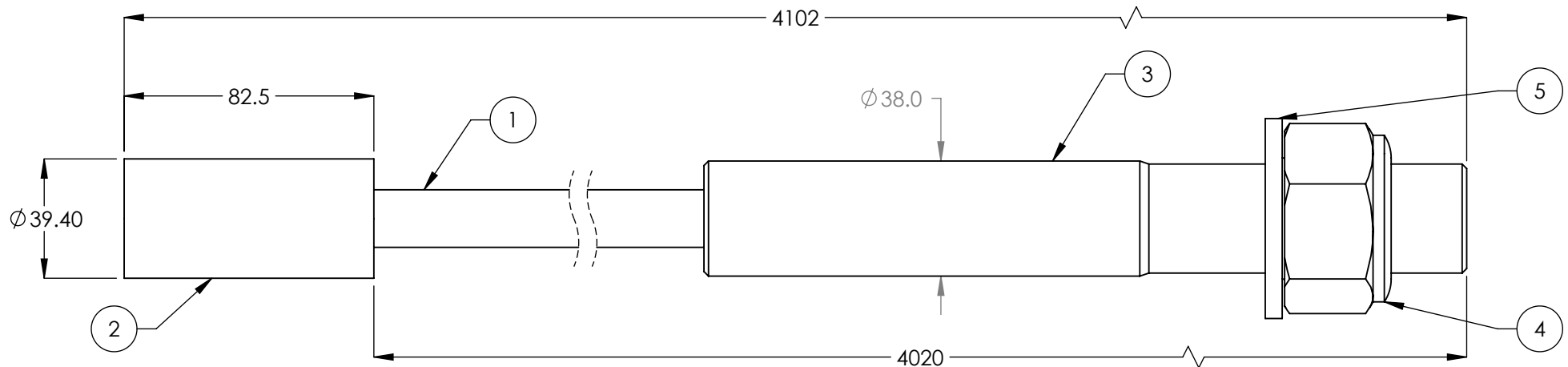
DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±1.0 0.00 = ±0.25 0.000 = ±0.13 ANGULAR: MACH±2° SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	AC			08/27/2008
		CHECKED	CA			10/26/2018
		THIRD ANGLE PROJECTION			TITLE: HYD. HOSE ASSY Ø10 x 6782mm	
						
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				
SIZE		DWG. NO.			REV	
A		5570900			A	
SCALE: 1:2					SHEET 1 OF 1	

NOTE: UNLESS OTHERWISE SPECIFIED.

1. FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
2. (*)ITEM 1 QTY FOR REFERENCE ONLY

NEXT ASSEMBLY
5250082
5250175
5250364

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595810	10/03/2018	TS	00945
B	ADDED 5535055 AND 5545032	07/21/2020	TM	01174



WHERE USED
HDS-40
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535055 WITH 5545032 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250079
5250082

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5595093	CABLE, LIFTING, Ø19mm, HDS-40 SERIES	3903mm*	--
2	5746071	Ø19mm CABLE BUTTON	1	B
3	5746070	Ø19mm THREADED CABLE CONNECTOR	1	A
4	5535055	NUT M36 x 4 NL	1	-
5	5545032	WASHER M36 x 66 FLAT	1	-

DO NOT SCALE DRAWING

NAME	DATE
DRAWN TS	10/03/2018
CHECKED	

DIMENSIONS ARE IN MM
TOLERANCES:
0. = ±1.5
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED



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PROHIBITED.



1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

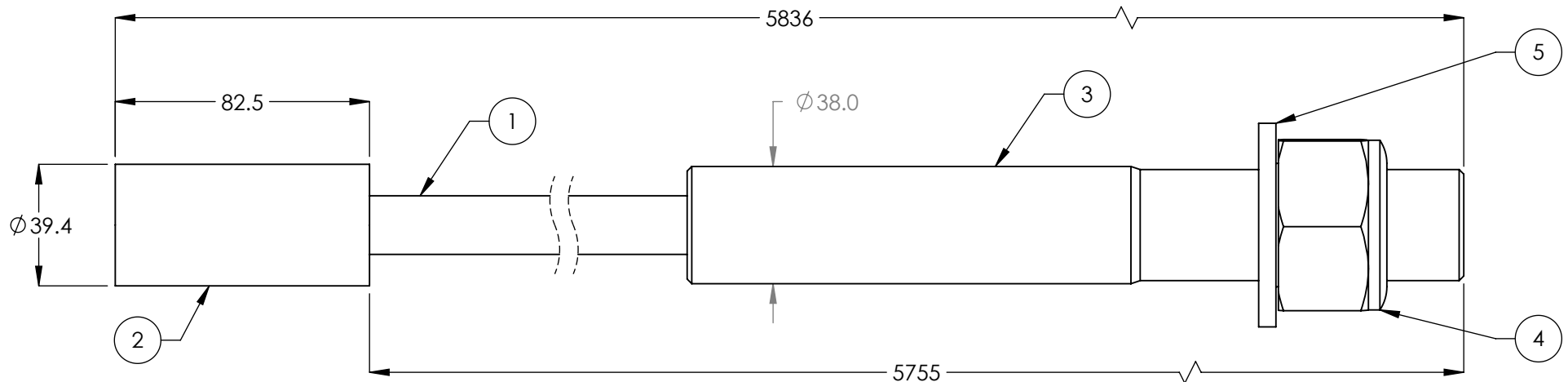
TITLE:
HDS-40 CABLE ASSEMBLY
Ø19 x 4102mm ST

SIZE	DWG. NO.	REV
A	5595558	B

SCALE: 1:2

SHEET 1 OF 1

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595811	10/03/2018	TS	00945
B	ADDED 5535055 AND 5545032	07/21/2020	TM	01174



WHERE USED
HDS-40
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

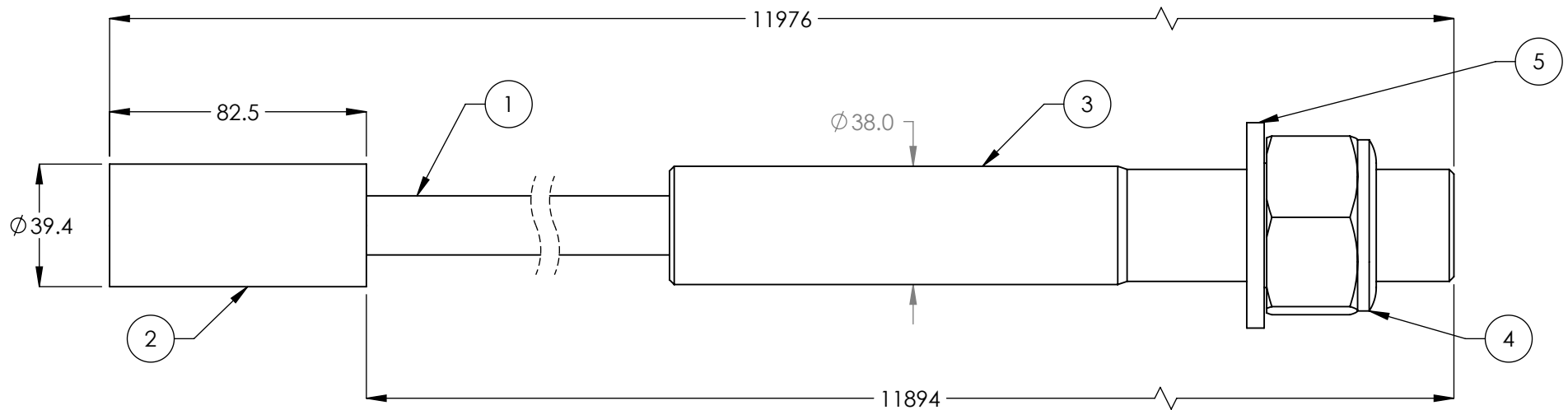
- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535055 WITH 5545032 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250079
5250082

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5595093	CABLE, LIFTING, Ø19mm, HDS-40 SERIES	5637mm*	--
2	5746071	Ø19mm CABLE BUTTON	1	B
3	5746070	Ø19mm THREADED CABLE CONNECTOR	1	A
4	5535055	NUT M36 x 4 NL	1	--
5	5545032	WASHER M36 x 66 FLAT	1	--

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
		DRAWN	TS		10/03/2018
		CHECKED			
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION		TITLE: HDS-40 CABLE ASSEMBLY Ø19 x 5836mm ST	
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED					
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. , ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			
Y			SIZE	DWG. NO.	REV
			A	5595559	B
SCALE: 1:2				SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595796	10/03/2018	TS	00945
B	ADDED 5535055 AND 5545032	07/21/2020	TM	01174



ITEM NO	PART NUMBER	DESCRIPTION	QTY.	REV
1	5595093	CABLE, LIFTING, Ø19mm, HDS-40 SERIES	11777mm*	-
2	5746071	Ø19mm CABLE BUTTON	1	B
3	5746070	Ø19mm THREADED CABLE CONNECTOR	1	A
4	5535055	NUT M36 x 4 NL	1	-
5	5545032	WASHER M36 x 66 FLAT	1	-

WHERE USED
HDS-40X

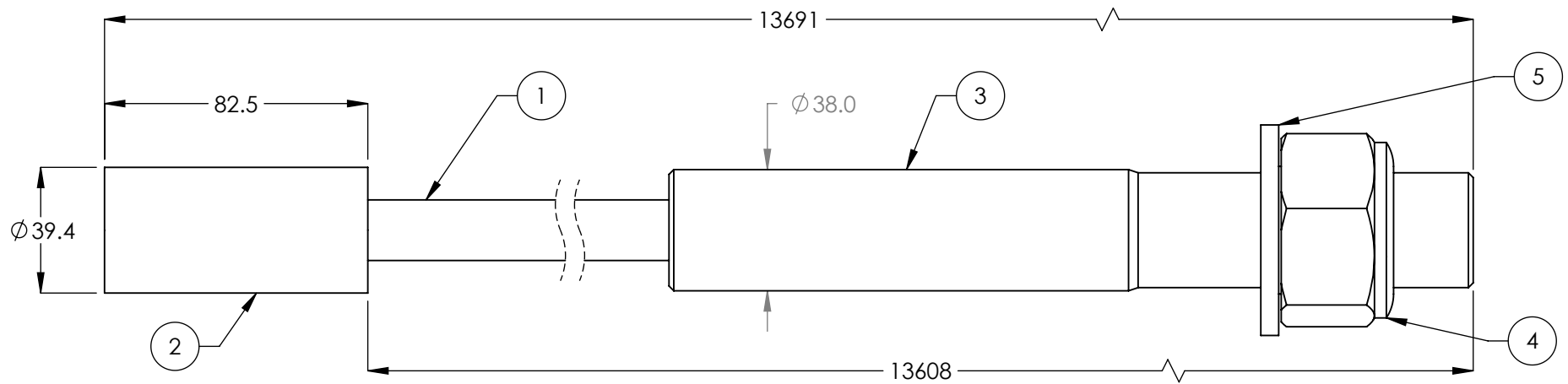
NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535055 WITH 5545032 ONTO CABLES FOR SHIPMENT

NEXT ASSEMBLY
5250082

DO NOT SCALE DRAWING		NAME	DATE
DRAWN		TS	10/03/2018
CHECKED			
THIRD ANGLE PROJECTION			
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5			
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED			
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.			
BENDPAK		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE:		HDS-40X CABLE ASSEMBLY Ø19 x 11976mm ST	
SIZE		DWG. NO.	REV
A		5595562	B
SCALE: 1:2		SHEET 1 OF 1	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5595797	10/03/2018	TS	00945
B	ADDED 5535055 AND 5545032	07/21/2020	TM	01174



WHERE USED
HDS-40X

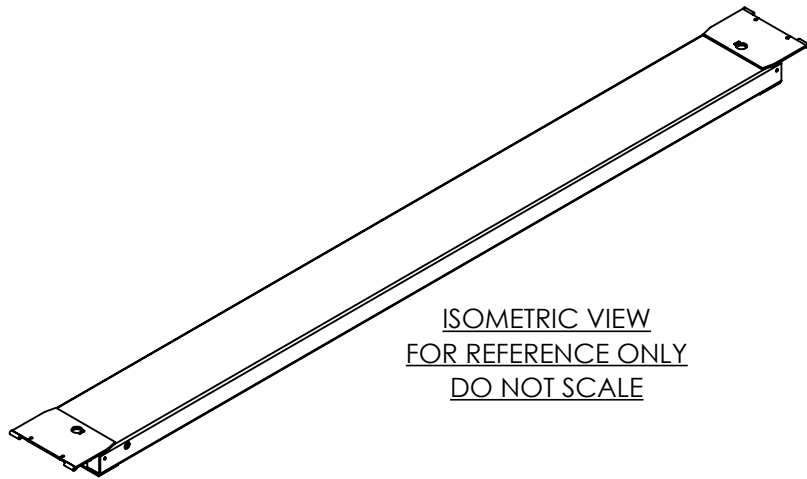
NOTE: UNLESS OTHERWISE SPECIFIED.

- FOR ITEM 1 SPECIFICATIONS REFER TO PART SPECIFICATION FORM
- LENGTH SHOWN IS AFTER SWAGING
- ITEM 1 QTY FOR REFERENCE ONLY
- THREAD 5535055 WITH 5545032 ONTO CABLES FOR SHIPMENT

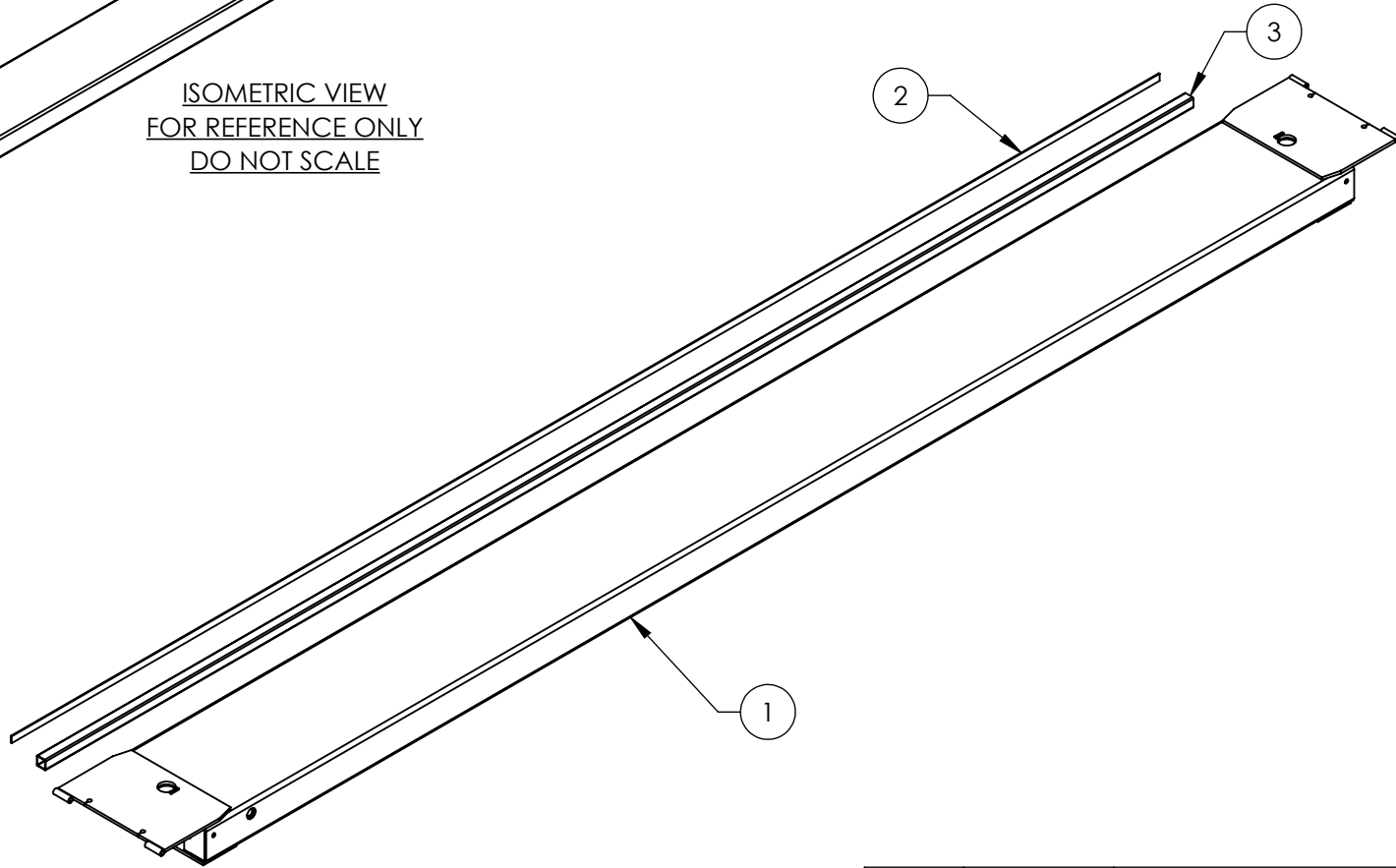
NEXT ASSEMBLY
5250082

ITEM NO	PART NUMBER	DESCRIPTION	QTY.	REV
1	5595093	CABLE, LIFTING, Ø19mm, HDS-40 SERIES	13574mm*	-
2	5746071	Ø19mm CABLE BUTTON	1	B
3	5746070	Ø19mm THREADED CABLE CONNECTOR	1	A
4	5535055	NUT M36 x 4 NL	1	-
5	5545032	WASHER M36 x 66 FLAT	1	-

DO NOT SCALE DRAWING		NAME	DATE	 BendPak. 1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
		DRAWN	TS		10/03/2018
		CHECKED			
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		THIRD ANGLE PROJECTION			
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED					
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		TITLE: HDS-40X CABLE ASSEMBLY Ø19 x 13691mm ST	
		SIZE DWG. NO.			REV
		A 5595563		B	
		SCALE: 1:2		SHEET 1 OF 1	



REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
J	ADDED RAL NUMBER TO NOTES, UPDATED BOM REVISIONS	01/20/2017	TS	00798
K	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	05/22/2018	TS	00945
L	UPDATED BOM REVISION	07/09/2019	CA	01102
L-001	ADDED GLOSS NOTE TO PAINT, REMOVED GRIT NOTE	02/05/2020	CA	01120



WHERE USED
HDS-40X

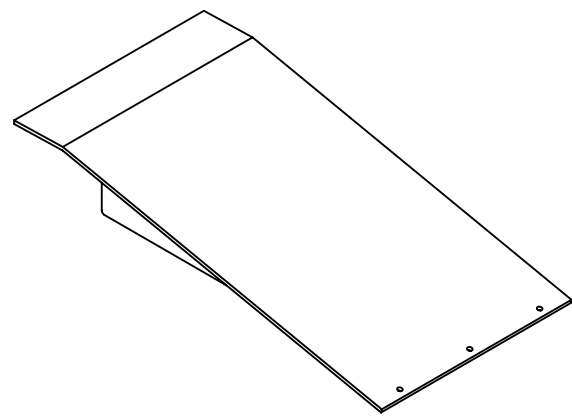
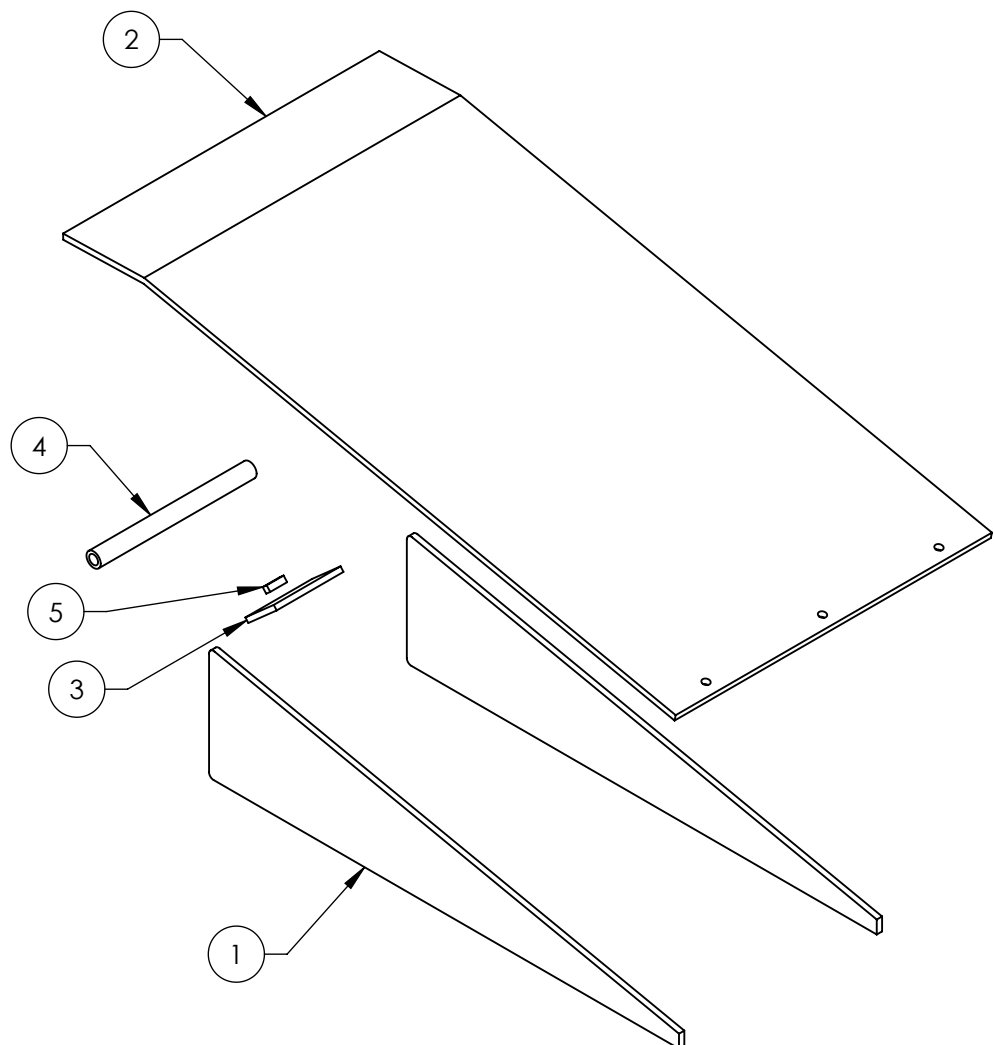
NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT BENDPAK GRAY (RAL-7024) 20% GLOSS

NEXT ASSEMBLY
5215149

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	REV
1	5620170	HDS-40X POWER SIDE RAMP WELDMENT	1	J
2	5735082	HDS-27X/40X ROLLING JACK PLATE	1	C
3	5765019	HDS-27X/40X ROLLING JACK TUBE	1	C

DO NOT SCALE DRAWING		NAME	DATE	 1645 LEMONWOOD DR. SANTA PAULA, CA 93060
DRAWN		GJZ	10/10/2008	
CHECKED		--	--	
THIRD ANGLE PROJECTION				TITLE: HDS-40X POWER SIDE RAMP WELDMENT
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5		SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		SIZE DWG. NO. REV
A		5600050		L
SCALE: 1:35		SHEET 1 OF 2		



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
F	WAS 247 NOW 276, WAS 52.4 NOW 57.2, WAS 100 NOW 116, UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	05/11/2018	TS	00945
G	UPDATED BOM REVISIONS, ADDED GLOSS NOTE TO PAINT	10/02/2019	TS	01120
H	REMOVED 5755032, REMOVED ALUMINUM OXIDE GRIT, WAS 263 NOW 264.8, UPDATED BOM REVISION	08/09/2022	TM	01436

WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

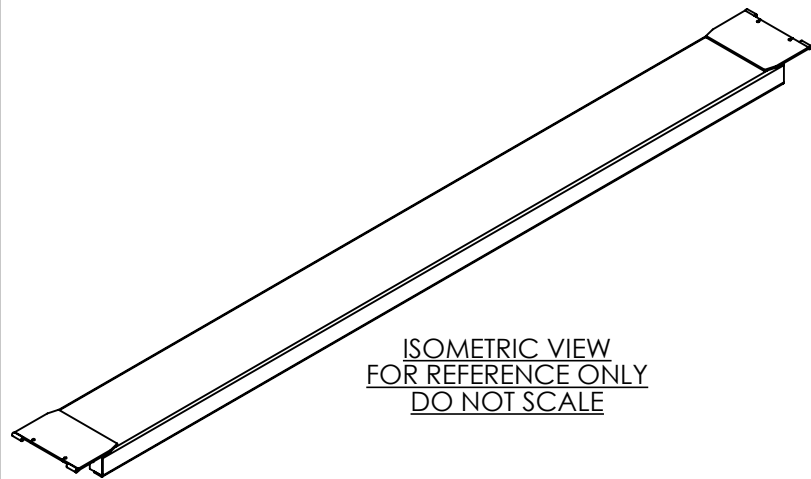
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT YELLOW (RAL-1018) 20% GLOSS

NEXT ASSEMBLY
5215162

ITEM NO.	PART NUMBER	DESCRIPTION	QTY	REV
1	5731011	HDS-18/27/40 EXTENDED DRIVE UP WEDGE	2	F
2	5701056	HDS-40 EXTENDED DRIVE UP RAMP	1	D
3	5735465	HDS-18/27/40 SERIES LONG HINGE STOP	1	E
4	5755033	LONG HINGE TUBE, DRIVE UP RAMP	1	B
5	5760003	D4-12, HD-12/14 RAMP STOP	1	C

DO NOT SCALE DRAWING		NAME	DATE	1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	AC		05/06/2009
		CHECKED	OR		08/16/2022
THIRD ANGLE PROJECTION 		TITLE:		HDS-40 EXTENDED DRIVE UP RAMP WELDMENT	
		SIZE DWG. NO.		REV	
		A		5600266 H	
		SCALE: 1:12		SHEET 1 OF 2	

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ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

WHERE USED
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT BENDPAK GRAY (RAL-7024) 20% GLOSS

NEXT ASSEMBLY
5245092

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5620187	12/18/2019	TM	01120

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5701059	HDS-40X OFF SIDE RAMP	1	B
2	5731019	HDS-40 OFF SIDE RAMP END PLATE	2	C
3	5755031	HDS-18/27/40 HINGE TUBE	4	D
4	5765019	HDS-27X/40X ROLLING JACK TUBE	1	C
5	5735082	HDS-27X/40X ROLLING JACK PLATE	1	C
6	5731014	HDS-40 RAMP SUPPORT PLATE	4	B

DO NOT SCALE DRAWING		NAME	DATE
DRAWN		TM	12/18/2019
CHECKED		CA	12/20/2019

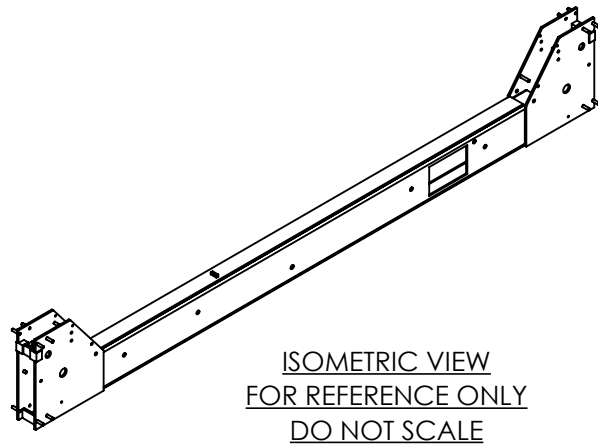
THIRD ANGLE PROJECTION	

DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5	
SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED	

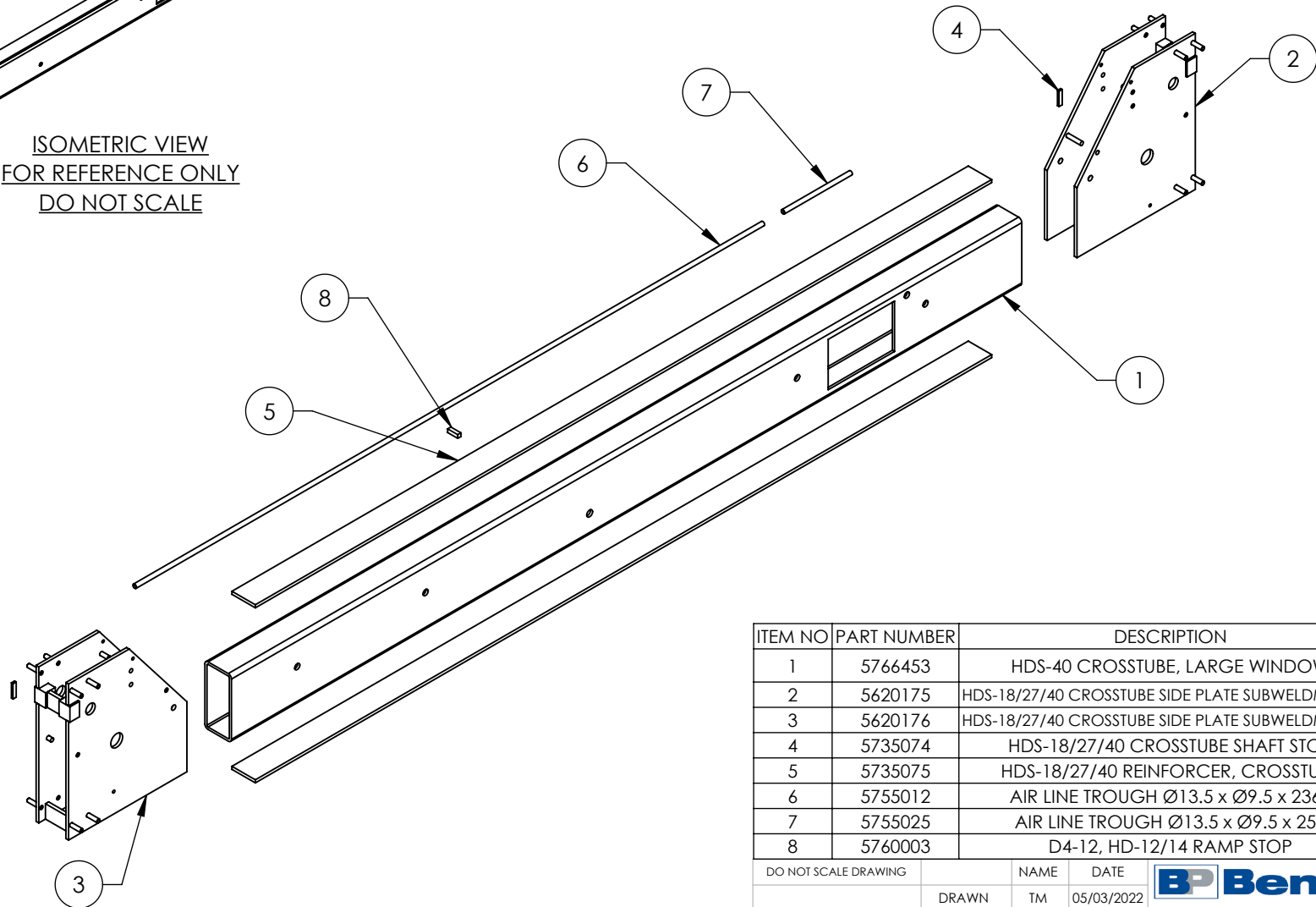
BP BendPak.	
1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE: HDS-40X OFF SIDE RAMP WELDMENT	
SIZE DWG. NO.	REV
A 5601448	A

SCALE: 1:30	
SHEET 1 OF 2	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5601445	05/03/2022	TM	01414



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE



WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER
- DIMENSIONS SHOWN ARE AFTER PAINTING
- PAINT GRAY (RAL-7024) 20% GLOSS

NEXT ASSEMBLY
5216169

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5766453	HDS-40 CROSSTUBE, LARGE WINDOW	1	A
2	5620175	HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #1	1	M
3	5620176	HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #2	1	M
4	5735074	HDS-18/27/40 CROSSTUBE SHAFT STOP	2	D
5	5735075	HDS-18/27/40 REINFORCER, CROSSTUBE	2	C
6	5755012	AIR LINE TROUGH Ø13.5 x Ø9.5 x 2362	1	C
7	5755025	AIR LINE TROUGH Ø13.5 x Ø9.5 x 254	1	C
8	5760003	D4-12, HD-12/14 RAMP STOP	1	C

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM
TOLERANCES:

0. = ±1.5
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED

NAME	DATE
DRAWN	TM 05/03/2022
CHECKED	OR 06/06/2022

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

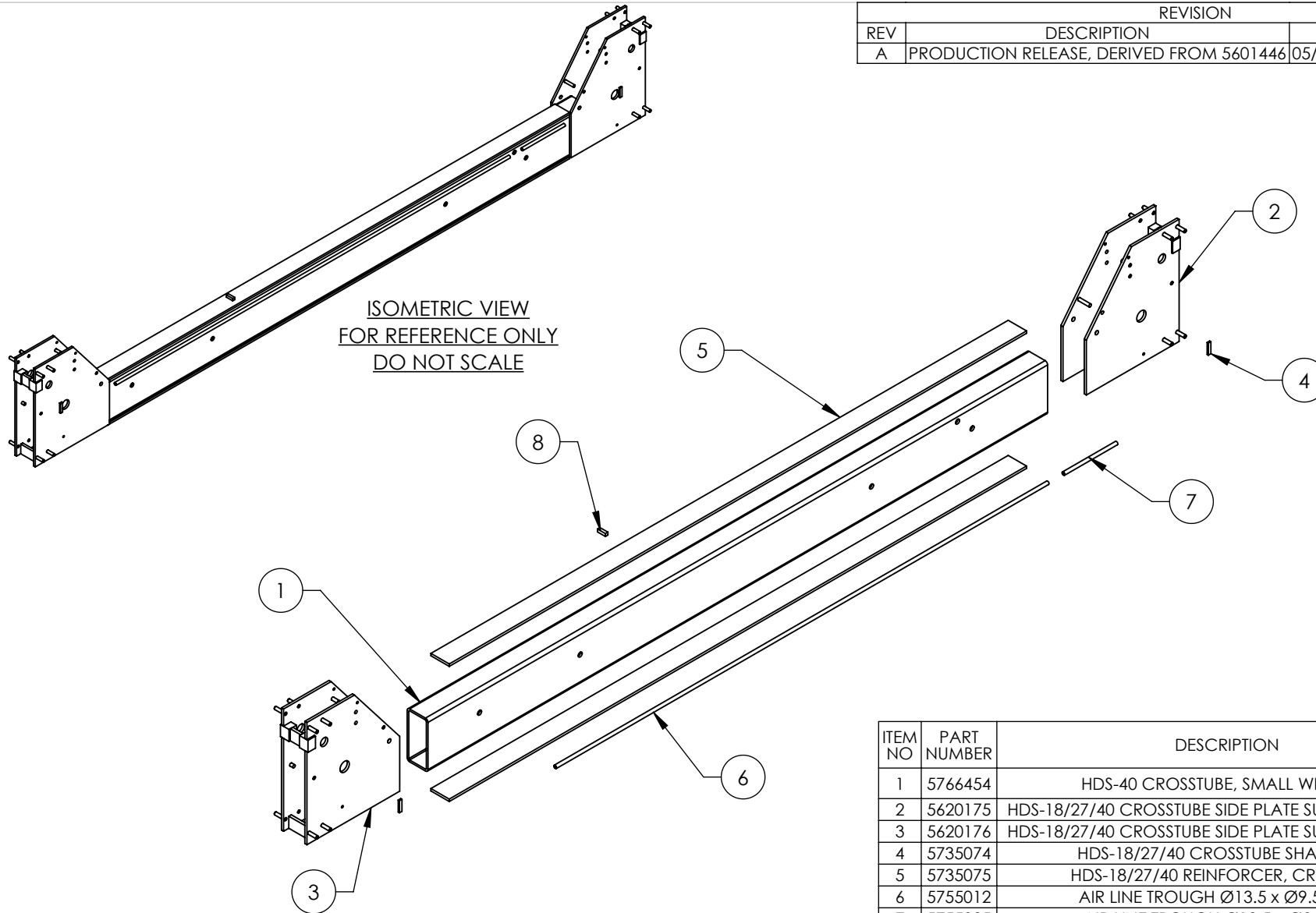
TITLE: HDS-40 CROSSTUBE
WELDMENT, LARGE WINDOW

SIZE	DWG. NO.	REV
A	5601833	A

SCALE: 1:20

SHEET 1 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5601446	05/03/2022	TM	01414



WHERE USED
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

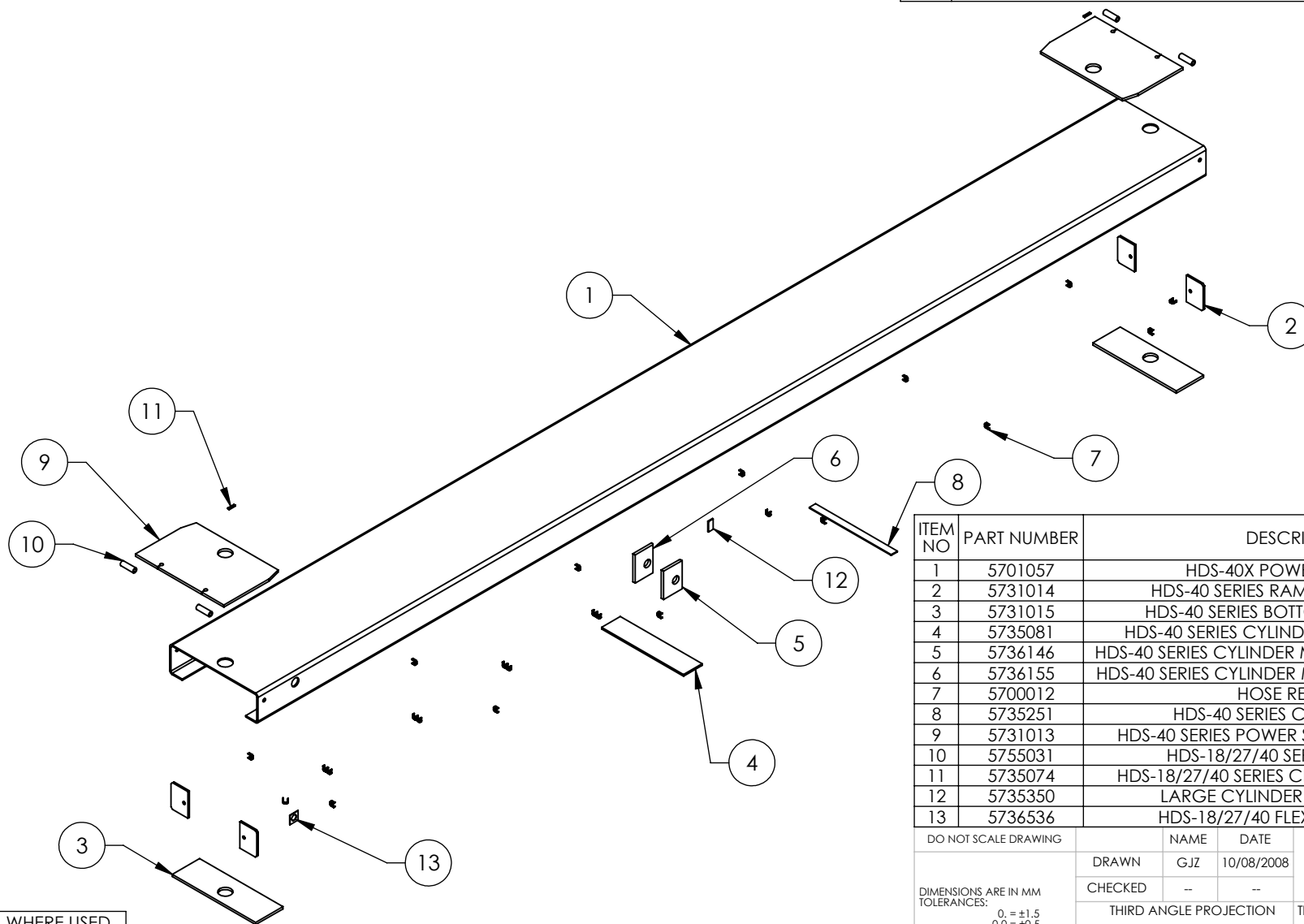
1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER
4. DIMENSIONS SHOWN ARE AFTER PAINTING
5. PAINT GRAY (RAL-7024) 20% GLOSS

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5766454	HDS-40 CROSSTUBE, SMALL WINDOW	1	A
2	5620175	HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #1	1	M
3	5620176	HDS-18/27/40 CROSSTUBE SIDE PLATE SUBWELDMENT #2	1	M
4	5735074	HDS-18/27/40 CROSSTUBE SHAFT STOP	2	D
5	5735075	HDS-18/27/40 REINFORCER, CROSSTUBE	2	C
6	5755012	AIR LINE TROUGH Ø13.5 x Ø9.5 x 2362	1	C
7	5755025	AIR LINE TROUGH Ø13.5 x Ø9.5 x 254	1	C
8	5760003	D4-12, HD-12/14 RAMP STOP	1	C

DO NOT SCALE DRAWING		NAME	DATE	 BendPak.		
DIMENSIONS ARE IN MM TOLERANCES: 0. = ±1.5 0.0 = ±0.5 SURFACE FINISH 1.6 ISO Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN	TM	1645 LEMONWOOD DR. SANTA PAULA, CA 93060		
		CHECKED	OR	06/06/2022		
		THIRD ANGLE PROJECTION		TITLE: HDS-40 CROSSTUBE WELDMENT, SMALL WINDOW		
		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.		SIZE	DWG. NO.	REV
				A	5601834	A
		SCALE: 1:20			SHEET 1 OF 3	

NEXT ASSEMBLY
5216170

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
G	UPDATED TITLE TO REFLECT WHERE USED, ADDED 6mm WELD pg 4, 2 PL, UPDATED NEXT ASSEMBLY & BOM REVISIONS	09/24/2015	TM	00724
H	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS	05/22/2018	TS	00945
J	UPDATED BOM REVISION	07/09/2019	CA	01102



ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5701057	HDS-40X POWER SIDE RAMP	1	E
2	5731014	HDS-40 SERIES RAMP SUPPORT PLATE	4	B
3	5731015	HDS-40 SERIES BOTTOM SHEAVE PLATE	2	B
4	5735081	HDS-40 SERIES CYLINDER MOUNTING PLATE	1	B
5	5736146	HDS-40 SERIES CYLINDER MOUNTING BLOCK (R.H.)	1	B
6	5736155	HDS-40 SERIES CYLINDER MOUNTING BLOCK (L.H.)	1	B
7	5700012	HOSE RETAINER	23	B
8	5735251	HDS-40 SERIES CYLINDER STRAP	1	B
9	5731013	HDS-40 SERIES POWER SIDE RAMP END PLATE	2	C
10	5755031	HDS-18/27/40 SERIES HINGE TUBE	4	D
11	5735074	HDS-18/27/40 SERIES CROSSTUBE SHAFT STOP	2	D
12	5735350	LARGE CYLINDER ALIGNMENT KEY	1	A
13	5736536	HDS-18/27/40 FLEX TUBE NUT PLATE	1	B

WHERE USED
HDS-40X

NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER

NEXT ASSEMBLY
5600050

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM
TOLERANCES:
0. = ±1.5
0.0 = ±0.5

ANGULAR: 0. = ±2°

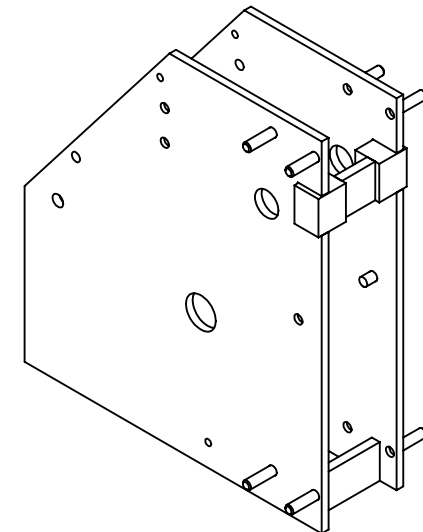
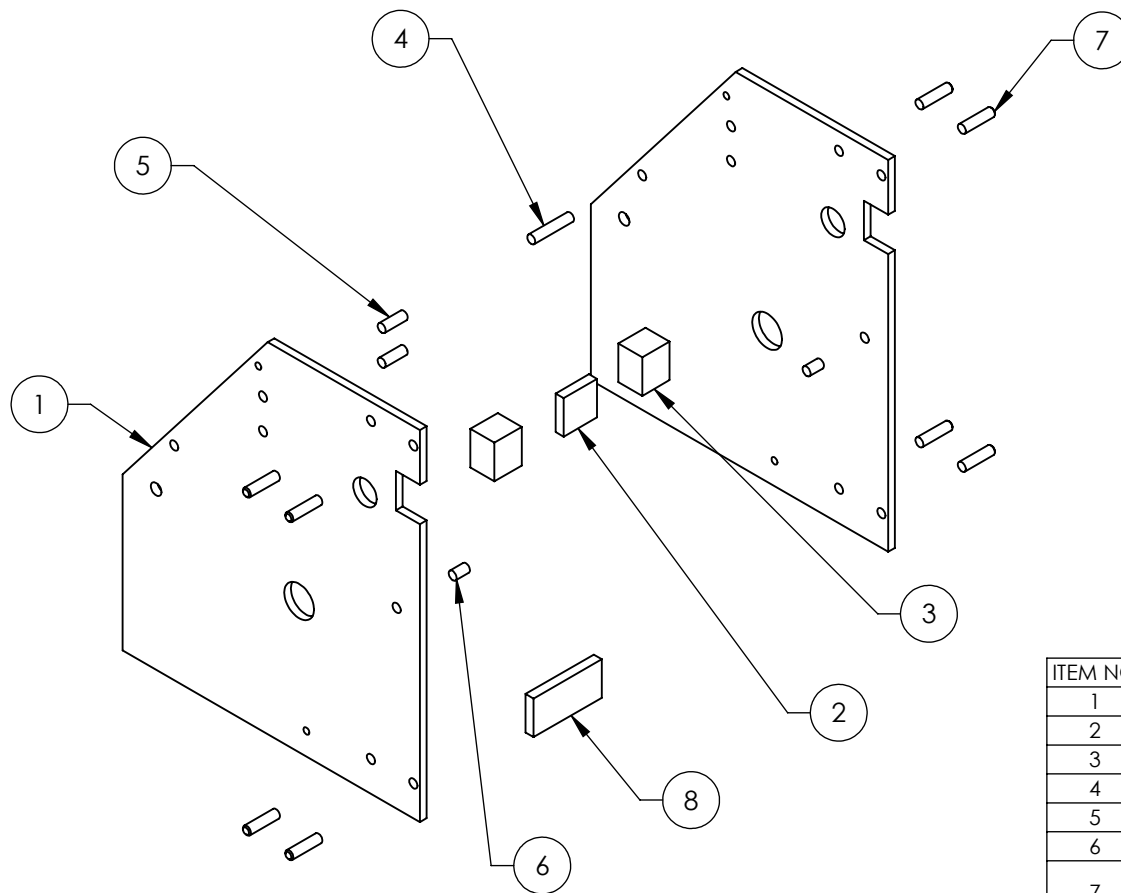
SURFACE FINISH 1.6 ISO Ra µm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED

NAME	DATE
DRAWN GJZ	10/08/2008
CHECKED --	--
THIRD ANGLE PROJECTION	

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		1645 LEMONWOOD DR. SANTA PAULA, CA 93060	
TITLE:		HDS-40X POWER SIDE RAMP WELDMENT	
SIZE	DWG. NO.	REV	
A	5620170	J	
SCALE: 1:35		SHEET 1 OF 4	

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
K	UPDATED BOM REVISION	12/18/2017	TM	00909
L	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS AND NEXT ASSEMBLY	05/14/2018	TS	00945
M	UPDATED BOM REVISION AND NEXT ASSEMBLIES	10/16/2019	TS	01120



**ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE**

WHERE USED
HDS-18 SERIES
HDS-27 SERIES
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

1. REFER TO MODEL FOR ADDITIONAL INFORMATION
2. BREAK AND DEBURR ALL SHARP EDGES 0.3mm
3. REMOVE ALL WELD SPLATTER

NEXT ASSEMBLY
5601831
5601832
5601833
5601834

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5731008	HDS-27/40 SERIES CROSSTUBE SIDE PLATE #1	2	J
2	5735076	HDS-27/40 SERIES SAFETY STOP BLOCK SUPPORT	1	C
3	5735077	HDS-27/40 SERIES EAR BLOCK SUPPORT	2	C
4	5746077	HDS-18/27/40 SERIES CLEVIS PIN, AIR CYLINDER	1	C
5	5746078	HDS-18/27/40 SERIES SPRING CLEVIS PIN	2	D
6	5746079	HDS-18/27/40 SERIES SAFETY STOP PIN	2	C
7	5746082	HDS-18/27/40 PIN 45mm LG, PLASTIC SLIDE BLOCK	8	D
8	5735078	HDS-27/40 SERIES EAR TIE BAR	1	D

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM
TOLERANCES:
0. = ±1.5
0.0 = ±0.5

SURFACE FINISH 1.6 ISO Ra µm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED

NAME	DATE
DRAWN GJZ	09/18/2008
CHECKED OR	4/22/2020

THIRD ANGLE PROJECTION



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SANTA PAULA, CA 93060

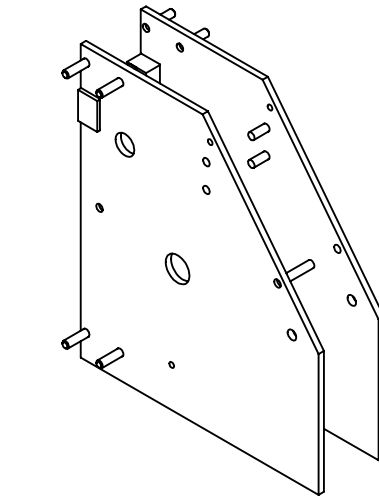
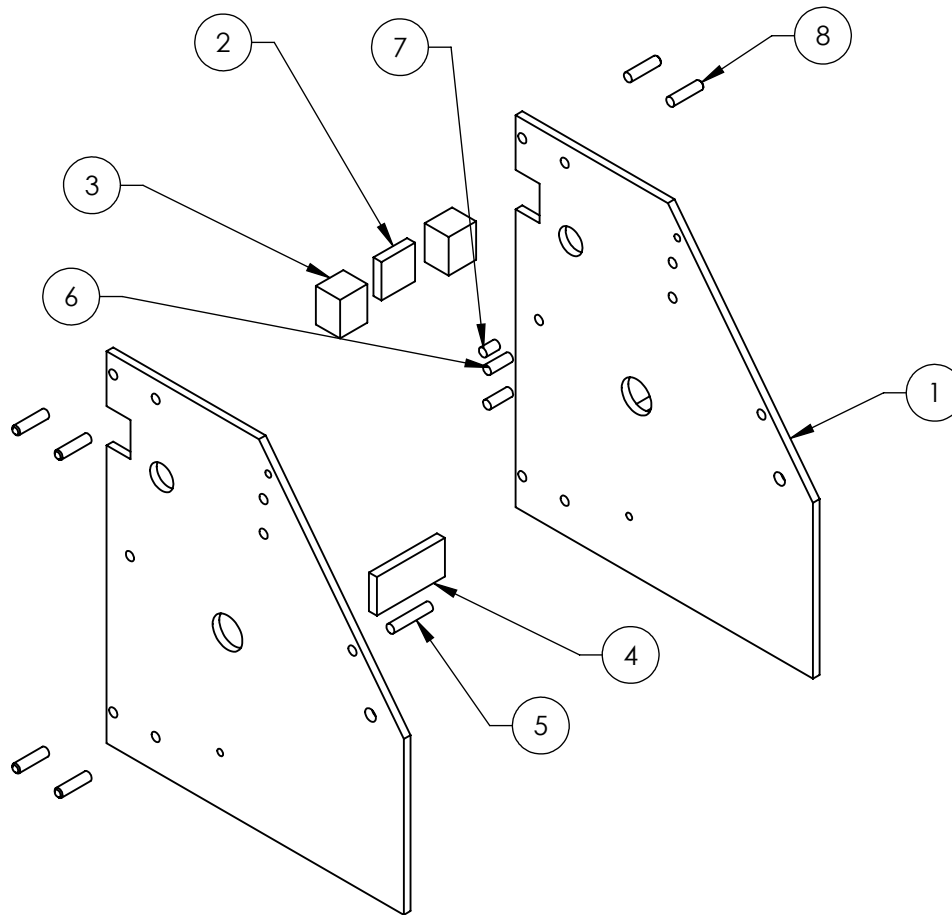
TITLE: HDS-18/27/40
CROSSTUBE SIDE PLATE
SUBWELDMENT #1

SIZE	DWG. NO.	REV
A	5620175	M

SCALE: 1:8

SHEET 1 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
K	UPDATED BOM REVISION	12/18/2017	TM	00909
L	UPDATED TITLE TO REFLECT WHERE USED, UPDATED BOM REVISIONS AND NEXT ASSEMBLY	05/14/2018	TS	00945
M	UPDATED BOM REVISION AND NEXT ASSEMBLIES	10/16/2019	TS	01120



ISOMETRIC VIEW
FOR REFERENCE ONLY
DO NOT SCALE

ITEM NO	PART NUMBER	DESCRIPTION	QTY	REV
1	5731009	HDS-27/40 SERIES CROSSTUBE SIDE PLATE #2	2	K
2	5735076	HDS-27/40 SERIES SAFETY STOP BLOCK SUPPORT	1	C
3	5735077	HDS-27/40 SERIES EAR BLOCK SUPPORT	2	C
4	5735078	HDS-27/40 SERIES EAR TIE BAR	1	D
5	5746077	HDS-18/27/40 SERIES CLEVIS PIN, AIR CYLINDER	1	C
6	5746078	HDS-18/27/40 SERIES SPRING CLEVIS PIN	2	D
7	5746079	HDS-18/27/40 SERIES SAFETY STOP PIN	2	C
8	5746082	HDS-18/27/40 PIN 45mm LG, PLASTIC SLIDE BLOCK	8	D

WHERE USED
HDS-18 SERIES
HDS-27 SERIES
HDS-40 SERIES

NOTE: UNLESS OTHERWISE SPECIFIED.

- REFER TO MODEL FOR ADDITIONAL INFORMATION
- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- REMOVE ALL WELD SPLATTER

NEXT ASSEMBLY
5601831
5601832
5601833
5601834

DO NOT SCALE DRAWING

DIMENSIONS ARE IN MM
TOLERANCES:
0. = ±1.5
0.0 = ±0.5

SURFACE FINISH 1.6 ISO R_a μm
FOR MACHINED SURFACES
UNLESS OTHERWISE SPECIFIED

NAME	DATE
DRAWN GJZ	09/18/2008
CHECKED OR	4/22/2020

THIRD ANGLE PROJECTION



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1645 LEMONWOOD DR.
SANTA PAULA, CA 93060

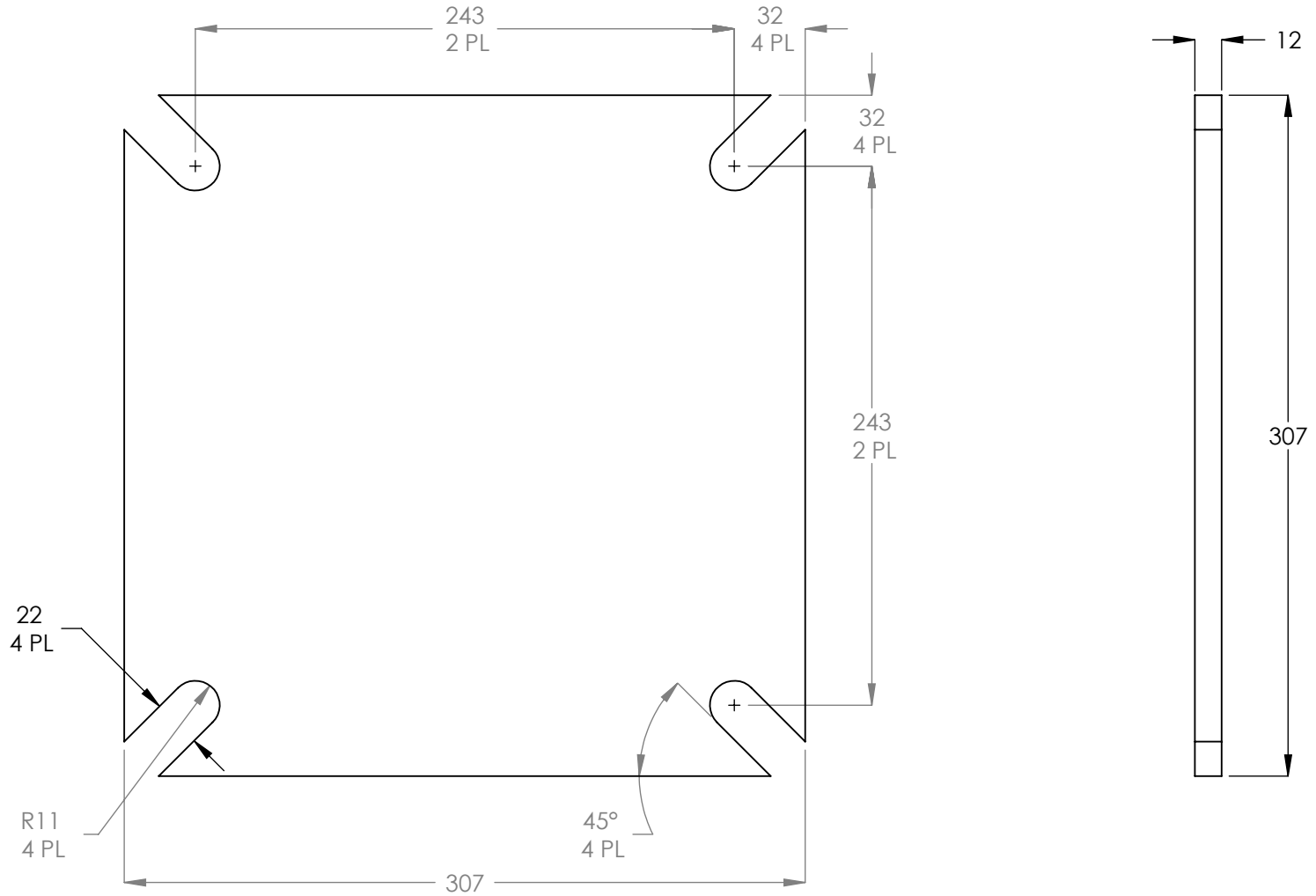
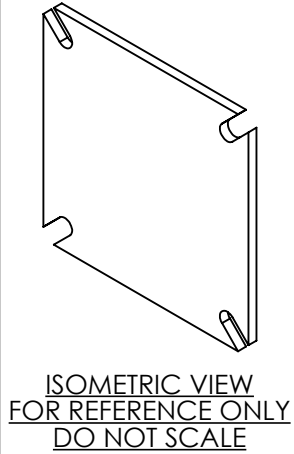
TITLE: HDS-18/27/40
CROSSTUBE SIDE PLATE
SUBWELDMENT #2

SIZE	DWG. NO.	REV
A	5620176	M

SCALE: 1:8

SHEET 1 OF 3

REVISION				
REV	DESCRIPTION	DATE	EDITED BY	ECO#
A	PRODUCTION RELEASE, DERIVED FROM 5730026	02/22/2017	TM	00798
B	UPDATED TITLE TO REFLECT WHERE USED, UPDATED NEXT ASSEMBLIES	05/04/2018	TS	00945



NOTE: UNLESS OTHERWISE SPECIFIED.

- BREAK AND DEBURR ALL SHARP EDGES 0.3mm
- MATERIAL:** HR ASTM A36 OR Q235 GB/T 700
- FLAME CUT PERMISSABLE

NEXT ASSEMBLY
5600978
5600980
5601141
5601143

DO NOT SCALE DRAWING		NAME		DATE		 BendPak.			
DIMENSIONS ARE IN MM TOLERANCES: MACHINE TO 0 = ±1.5 0.0 = ±0.5 0.00 = ±0.13 ANGULAR: MACHINE TO 0 = ±1/2° SURFACE FINISH 1.6 Ra µm FOR MACHINED SURFACES UNLESS OTHERWISE SPECIFIED		DRAWN		TM		02/22/2017			
		CHECKED		CA		10/30/2018			
THIRD ANGLE PROJECTION				TITLE:					
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BENDPAK INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENDPAK INC. IS PROHIBITED.				HDS-18/27/40 SERIES BASE PLATE					
				SIZE		DWG. NO.		REV	
				A		5730077		B	
SCALE: 1:3				SHEET 1 OF 1					

PART SPECIFICATION FORM (STANDARD)

BENDPAK Number:	5900160
MRP Description:	HDS TRUCK SERIES INSTALLATION MANUAL
Date:	04/18/2022
ECO :	---

1. Engineering Specification

Application:

INSTALLATION MANUAL

Detailed Description:

Print Settings

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

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

WARNING

EUROPEAN USERS

400V 50Hz SUPPLY DETAILS ARE INCLUDED WITH ELECTRICAL CONTROL BOX. DISREGARD SUPPLY WIRING DETAILS IN THIS MANUAL.

IMPORTANT SAFETY INSTRUCTIONS, SAVE THESE INSTRUCTIONS!

READ THIS MANUAL THOROUGHLY BEFORE INSTALLING, OPERATING, SERVICING OR MAINTAINING THIS LIFT. FAILURE TO FOLLOW THE INSTRUCTIONS AND SAFETY PRECAUTIONS IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH. MAKE SURE ALL OTHER OPERATORS ALSO READ THIS MANUAL. KEEP THE MANUAL NEAR THE PRODUCT FOR FUTURE REFERENCE. BY PROCEEDING WITH INSTALLATION AND OPERATION, YOU AGREE THAT YOU FULLY UNDERSTAND THE CONTENTS OF THIS MANUAL AND ASSUME FULL RESPONSIBILITY FOR PRODUCT USE.

Manual Part Number 5900160

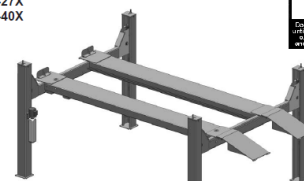
Manual Revision H8 - April 2022

INSTALLATION AND OPERATION MANUAL

SUPER-DUTY FOUR-POST LIFTS

Models:
HDS-18E
HDS-27 / HDS-27X
HDS-40 / HDS-40X

READ FIRST



ORIGINAL INSTRUCTIONS IN ENGLISH LANGUAGE

RECEIVING

The shipment should be thoroughly inspected as soon as it is received. The signed Bill of Lading is acknowledgement by the shipping carrier as receipt of this product as listed in your invoice as being in a good condition of shipment. If any of these goods listed on this Bill of Lading are missing or damaged, do not accept goods until the shipping carrier makes a notation on the freight bill of the missing or damaged goods. Do this for your own protection.

BE SAFE

Your new lift was designed and built with safety in mind. However, your overall safety can be increased with proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside. Keep this operation manual near the lift at all times. Make sure that ALL USERS read and understand this manual.

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1645 Lemonwood Dr.
Santa Paula, CA 93060, USA
Toll Free (800) 933-9970
Tel: (805) 253-2363
www.bendpak.com

2. Vendor Information (Or for Reference)

Approved Vendor	Vendor Part #	Contact #	Preferred Vendor
1)			
OR BENDPAK ENGINEERING APPROVED EQUIVALENT			

4 Post Lifts Product Decal Positioning



CLEAR ADHESIVE PET DOES NOT PRINT YELLOW.

Total of 6

PN 5905311

BPK Post Branding Decal-Large.pdf:

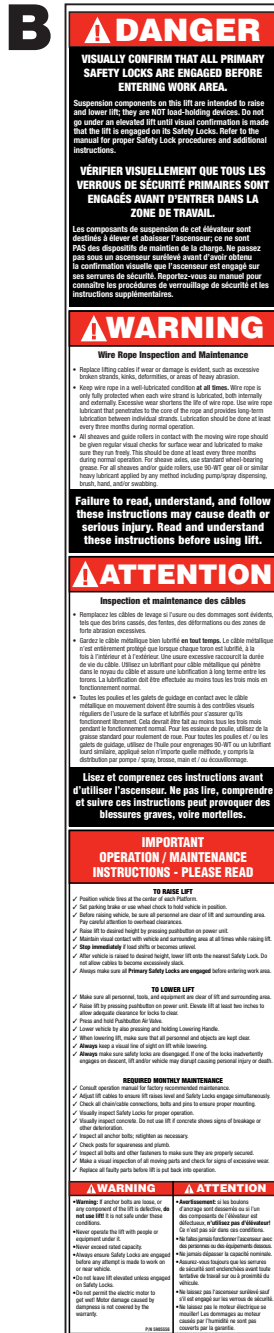
Size: 4.25"W x 38"H

Material: 4 Mil Clear Adhesive PET

Finish: Matte Overlamine (No gloss)

Print Process: Silk Screen, 85 line-screen
(Yellow color in file represents what should be clear PET material and SHOULD NOT print as Yellow ink. White area in file represents Opaque White ink.)

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.



PN 5905556

4-Post Safety-Operation Decal FRE-ENG.pdf:

Size: 4"W x 24"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.



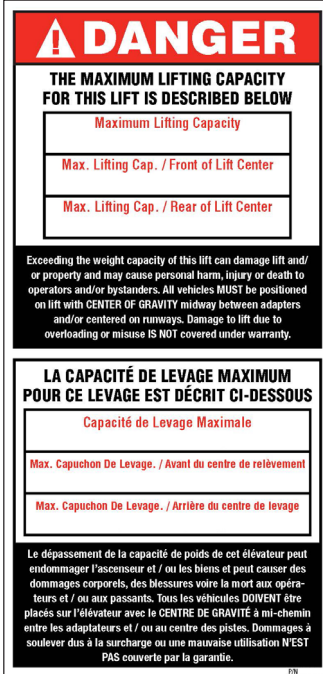
PN 5905103

ALI_4_Post_labels.pdf:
(Order Labels from ALI)

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

***D**



P/N 5905401 - Max Cap. Danger 7k
 P/N 5905695 - Max. Cap. Danger 7500
 P/N 5905402 - Max Cap. Danger 9k
 P/N 5905557 - Max. Cap. Danger 14K
 P/N 5905406 - Max Cap. Danger 18k
 P/N 5905407 - Max. Cap. Danger 27K
 P/N 5905408 - Max. Cap. Danger 35K
 P/N 5905068 - Max. Cap. Danger 37K
 P/N 5905409 - Max. Cap. Danger 40K

***Max. Cap. Danger ENG-FRE.pdf:**

Size: 4"W x 8.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

***DEPENDS ON LIFT MODEL AND CAPACITY**

***E**



***NRTL_Lifting_Cap_ENG-FRE_.pdf:**

Size: 4.5"W x 3.25"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

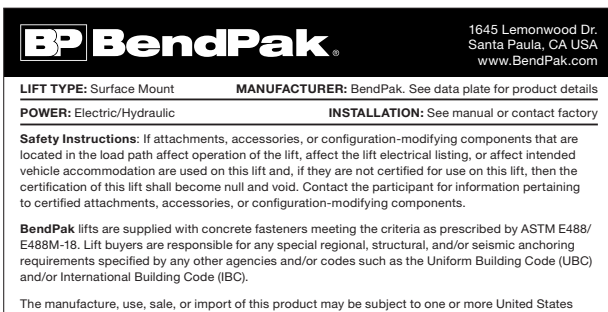
Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

P/N 5905645 - NRTL_Lifting_Cap_Label_7K
 P/N 5905700 - NRTL_Lifting_Cap_Label_7500
 P/N 5905650 - NRTL_Lifting_Cap_Label_9k
 P/N 5905665 - NRTL_Lifting_Cap_Label_14k
 P/N 5905675 - NRTL_Lifting_Cap_Label_18k
 P/N 5905680 - NRTL_Lifting_Cap_Label_27k
 P/N 5905685 - NRTL_Lifting_Cap_Label_35K
 P/N 5905067 - NRTL_Lifting_Cap_Label_37K
 P/N 5905690 - NRTL_Lifting_Cap_Label_40K

F



Product_Data_Label_5905940-New.pdf: PN 5905940

Size: 4.5"W x 2.3"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

G



ALI_Notice_Label.jpg

PN 5905377

Size: 3"W x 1.75"H

(Order Label from ALI)

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

H



Slipper_When_Wet_Label-5905138.pdf: PN 5905138

Size: 4.5"W x 2.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or

300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-laminate (No gloss) for abrasion, chemical and ultra violet protection.

I



ALI Gold Label - MET C-US PN 5905654

****FOR ALI APPROVED LIFTS ONLY**

J

BP BendPak Santa Paula, CA USA www.bendpak.com	
MODEL NUMBER	
DESCRIPTION	
LIFT CAPACITY	DATE CODE
ROLLING JACK MAX CAP.	MAX PSI / BAR
VOLTAGE	SERIAL NUMBER
☐ 110-240V, 50-60 Hz, 1 Ph ☐ 208-240V, 50-60 Hz, 1 Ph ☐ 380-415V, 50-60 Hz, 3 Ph ☐ 208-440V, 50-60 Hz, 3 Ph	UPC
DANGER! Disconnect Power Before Servicing WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905953	

PN 5905953

2017_Serial_Tag-D.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

CE APPROVED LIFTS ONLY

K

BP BendPak Santa Paula, CA USA www.bendpak.com	
MODEL NUMBER	
DESCRIPTION	
LIFT CAPACITY	DATE CODE
ROLLING JACK MAX CAP.	MAX PSI / BAR
VOLTAGE	SERIAL NUMBER
☐ 110-240V, 50-60 Hz, 1 Ph ☐ 208-240V, 50-60 Hz, 1 Ph ☐ 380-415V, 50-60 Hz, 3 Ph ☐ 208-440V, 50-60 Hz, 3 Ph	UPC
DANGER! Disconnect Power Before Servicing WARRANTY VOID IF DATA PLATE IS REMOVED PN 5905952	

PN 5905952

2017_Serial_Tag-C.jpg:

Size: 3"W x 3"H

Material: 2 Mil. Matte Silver Polyester (Flex-PSE)

Print using thermal transfer printer with resin ribbon

Ink: 1 Color-Black

NON-CE APPROVED LIFTS ONLY

IMPORTANT: Please use materials as instructed

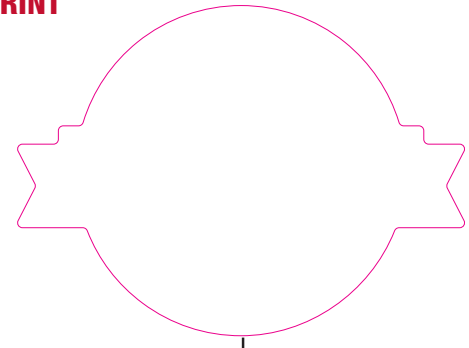
4 Post Lifts Product Decal Positioning

L



GRAY DOES NOT PRINT

PN 5906044



DIE-CUT LINE
DOES NOT PRINT

American_Owned_50_Years_Logo.pdf:

Trim: 4"W x 3"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 4/C Process

Finish: Matte Overlamine (No Gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear Laminate non-glare medium matte over laminate for abrasion, chemical, and ultra violet protection

M

CALIFORNIA PROPOSITION 65



WARNING

WARNING! This product can expose you to chemicals including styrene and vinyl chloride which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. ALWAYS use this product in accordance with the manufacturer's instructions.

For more information, go to
www.p65warnings.ca.gov.

PN 5905775

Prop_65_Label.pdf:

Size: 1.5"W x 1.5"H

Material: 4 Mil. Permanent White Adhesive Vinyl

Ink: U.V. protected CMYK 2/C Process

Finish: Matte Overlamine (No gloss)

Print Process: Offset Lithography - 200 line-screen or 300 p.p.i. for digital

Lamination: Clear laminate non-glare medium matte over-lamine (No gloss) for abrasion, chemical and ultra violet protection.

PN 5905775

IMPORTANT: Please use materials as instructed

4 Post Lifts Product Decal Positioning

**SEE NEXT PAGE
FOR LABEL
PLACEMENT HEIGHT**

****FOR ALL APPROVED
LIFTS ONLY**

M, E, C

**Back of Post
(Top to Bottom)**

**G, D, I,
J or K, F**

**Front of Post
(Top to Bottom)**

B
Side of Post

L

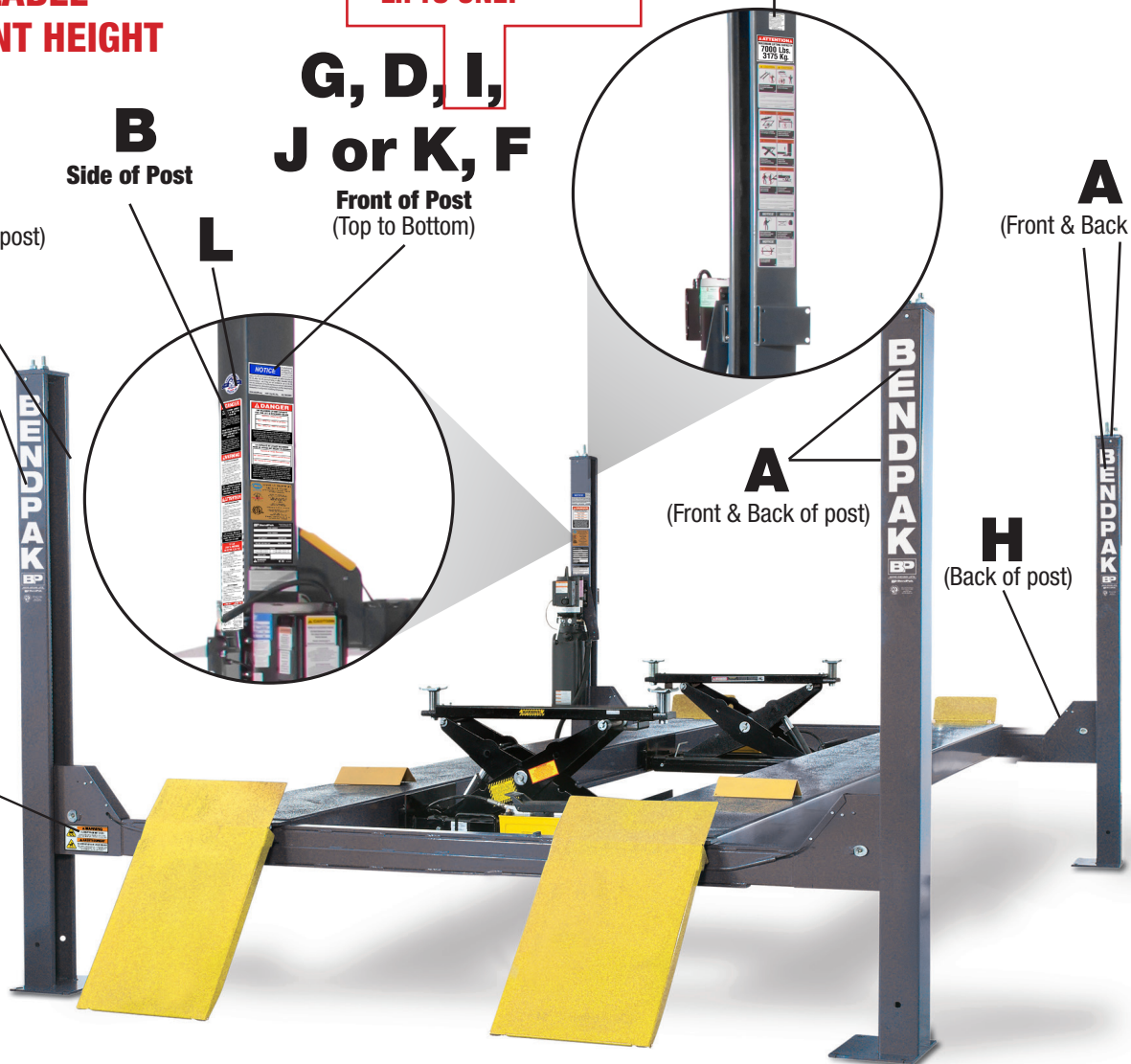
A
(Front & Back of post)

A
(Front & Back of post)

A
(Front & Back of post)

H
(Back of post)

H
(Also on other side of lift)



4 Post Lifts Product Decal Positioning

Views of Powerside Post

BACK OF POST

SIDE OF POST

FRONT OF POST

