

LEAN2 BEAM

Part No. 11-221, 11-225, 70-10002488, 70-10003038, 70-10003037

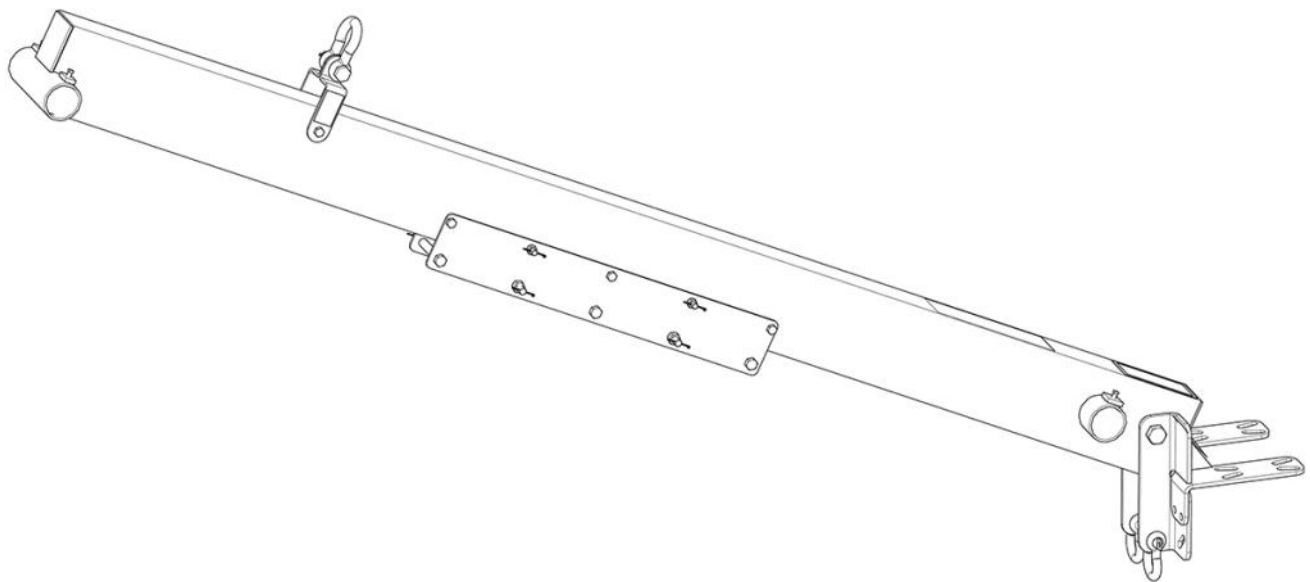


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NOTICE

GENERAL WARNINGS

The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation and use of this equipment and is not intended as a substitute for proper training and experience.

This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.

Note: In the effort of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

NOTE: Lean 2 Beams conform to OSHA 1926.502 and serves as an approved anchor point for fall protection for one person.

In compliance with OSHA 1926.502(d)(9), it meets the requirement that lanyards and vertical lifelines have a minimum breaking strength of 5,000 pounds (22.2 kN), ensuring reliable safety and durability in fall protection applications.

GENERAL WARNINGS

DANGER

Failure to comply with the following guidelines can result in death, serious injury, or significant damage to equipment:

- Before use, inspect wires ropes, fittings, pulleys/hoists for damage or wear. Replace before use if any sign of wear or damage is present.
- Verify the capacity of the wire ropes, fittings, pulleys/hoists being used. Ensure they are rated for the load that will be applied.
- Ensure the fittings, pulleys/hoists match the wire rope being used.
- Never modify wire ropes, fittings, pulleys/hoists, or attachment points.
- Familiarize yourself with the Installation Instructions before using Lean2 Beams.
- Do not assemble parts into different configurations other than what is listed in this manual. Improper configurations can result in beam failure.
- Inspect the Beam daily for deformation or cracking, especially in welds.
- Check the hardware daily. Confirm that the hardware is in good condition, the fasteners are in place and tightened, and that all bolts have a cotter pin present.
- Check anchors daily to ensure the sill brackets are in place and secure.
- Check the Specification table before using Lean2 Beams. Ensure the correct model is being used for the hoistway depth.

DANGER

Failure to comply with the following guidelines can result in death, serious injury, or significant damage to equipment:

- Check the Specification table and verify that the building can withstand the Maximum Fall Arrest Device Load.
- Use the hardware provided with the Lean2 Beam. Alternate hardware can fail. Contact Wurtec customer service for replacement parts if needed.
- If a load exceeds the normal lifting capacity, including but not limited to the activation of a Fall Arrest Device, the beam should be removed and inspected thoroughly. Failure to do so can result in beam failure.
- Do not allow people to stand under or near the load during installation.

GENERAL WARNINGS

DANGER

Failure to comply with the following guidelines can result in death, serious injury, or significant damage to equipment:

- Check the Specification table and verify that the building can withstand the Maximum Fall Arrest Device Load.
- Use the hardware provided with the Lean2 Beam. Alternate hardware can fail. Contact Wurtec customer service for replacement parts if needed.
- If a load exceeds the normal lifting capacity, including but not limited to the activation of a Fall Arrest Device, the beam should be removed and inspected thoroughly. Failure to do so can result in beam failure.
- Do not allow people to stand under or near the load during installation.

EQUIPMENT DESCRIPTION & INTENDED USE

Wurtec's Lean2 Beam provides a safe and easy way to create a hoisting point in an elevator hoistway. The Beam mounts between the entrance sill and the back concrete or block wall of the hoistway. The Beams are designed with built in safeguards that interfere with the sill when the Beam is lowered under the minimum angle for safe operation.

INSTALLATION / ASSEMBLY TOOLS REQUIRED

The following tool list is the minimum required for installing and performing daily checks:

- Two people
- Hammer Drill and Bits for 5/8" Concrete Anchors
- Hoist rated for your application
- Any additional hoisting materials

PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

The following PPE is recommended for installation:

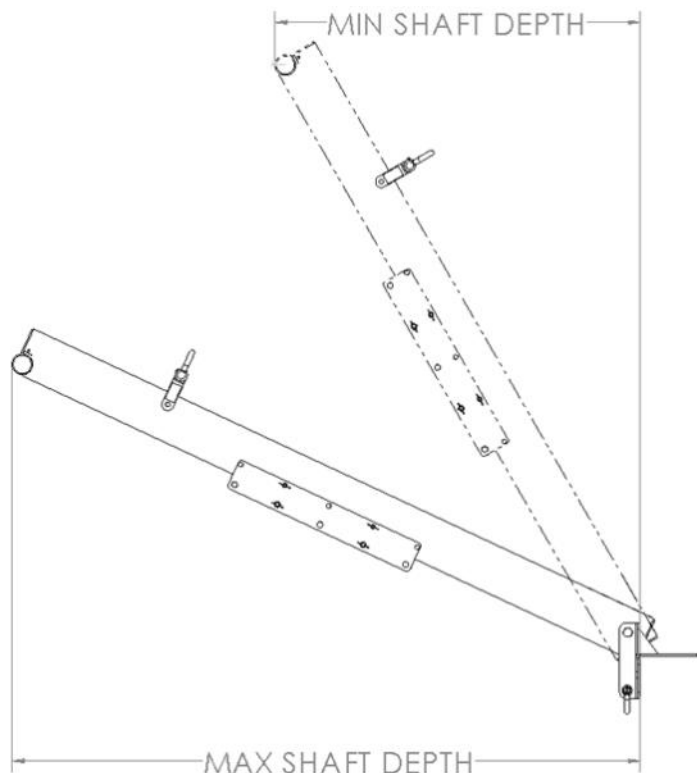
- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Steel toed boots
- Safety Vest
- Harness and attached lifeline

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SPECIFICATIONS

General specifications for each model are listed in the table below. It includes the max loads on back wall and sill in the worst case angles.

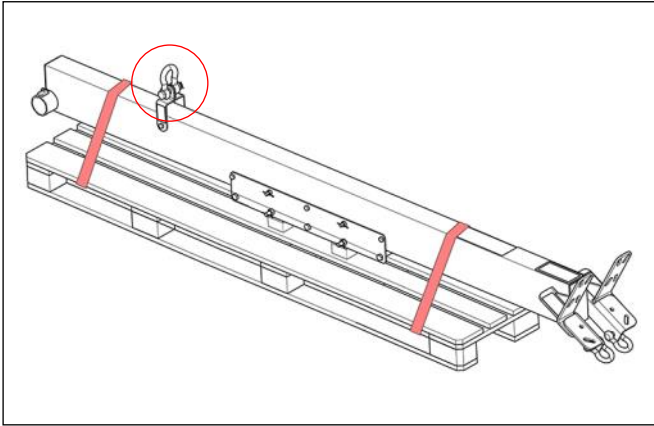
For additional information based on angle and model number, refer to the Detailed Specification Table.



Part Number	Weight (lbs / kg)	Min Shaft Depth (in/mm)	Max Shaft Depth (in/mm)	FAD Impact Capacity (lbs/kg)	Hoisting Capacity (lbs/kg)	Man Riding Capacity (lbs/kg)
11-221T	109/49	62/1575	107/2705	5645/2560	2500/1134	1500/680
11-225T	160/73	62/1575	107/2705	7762/3520	4000/1814	2200/1000
70-10002488	169/77	95/2400	121/3075	7762/3520	4000/1814	2200/1000
70-10003038	185/84	113/2875	146/3700	7762/3520	4000/1814	2200/1000
70-10003037	202/92	140/3550	173/4400	7762/3520	4000/1814	2200/1000
		Max Load for Man Riding		Max Load for Hoisting		Max Load for FAD Impact
Part Number	On Shaft Wall (lbs/kg)	On Sill (lbs/kg)	On Shaft Wall (lbs/kg)	On Sill (lbs/kg)	On Shaft Wall (lbs/kg)	On Sill (lbs/kg)
11-221T	2115/959	2644/1199	3483/1580	4339/1968	7781/3529	9664/4383
11-225T	3147/1427	3934/1784	5600/2540	6973/3163	10741/4871	13344/6052
70-10002488	3084/1398	3891/1765	5473/2482	6879/3120	10481/4753	13142/5960
70-10003038	2984/1353	3823/1734	5150/2336	6636/3009	9836/4461	12644/5734
70-10003037	2915/1322	3779/1714	5279/2394	3746/3060	10088/4575	12852/5828

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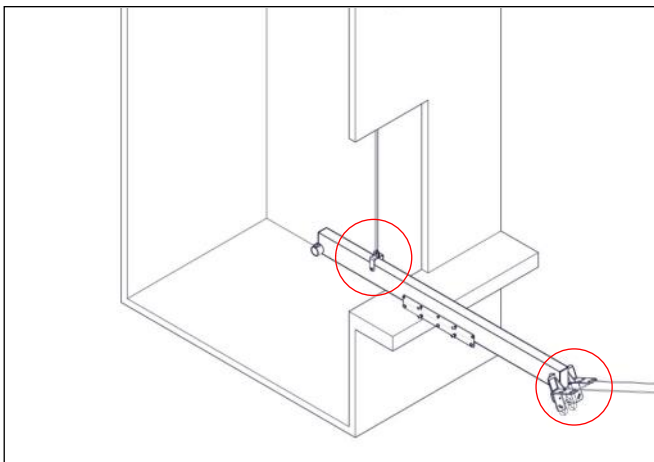
INSTALLATION INSTRUCTIONS



Step 1: Moving the Lean2 Beam

Step 1: Moving the Lean2 Beam

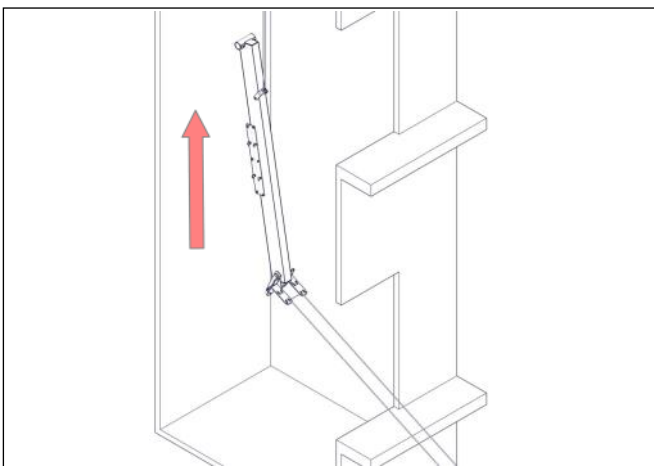
- Most Lean2 Beam models weight over 110 pounds (50 kg). Machinery must be used to lift the Lean2 Beam safely.
- The Lean2 Beam is shipped strapped to a pallet. The Beam can be moved and stored while strapped to the pallet.
- The Beam can be lifted using a wire rope connected to the Anchor Shackle. *NOTE: Ensure the rope has the appropriate capacity before lifting.



Step 2: Attaching the Tow Line and Hoist

Step 2: Attaching the Tow Line and Hoist

- Orient the Lean2 Beam as shown, and attach a Tow Line to the Sill Brackets.
- Attach a Hoist to the Installation Bracket.

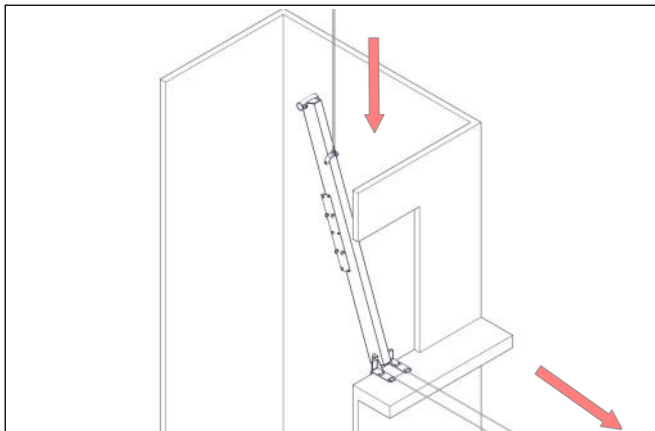


Step 3: Hoisting the Lean2 Beam

Step 3: Hoisting the Lean2 Beam

- To begin positioning the Lean2 Beam, hoist the Beam upwards.

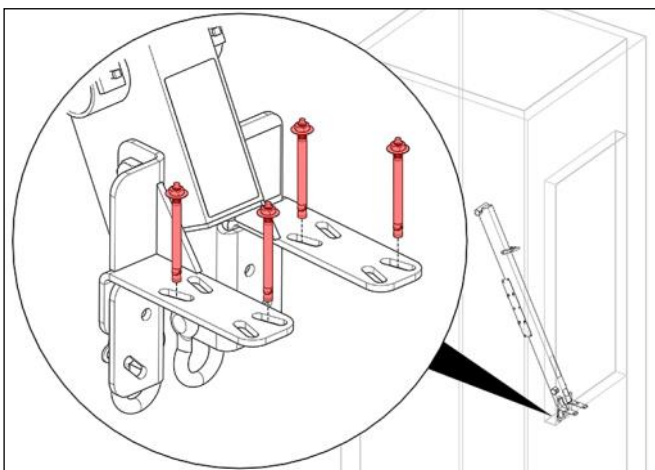
INSTALLATION INSTRUCTIONS



Step 4: Positioning the Lean2 Beam

Step 4: Positioning the Lean2 Beam

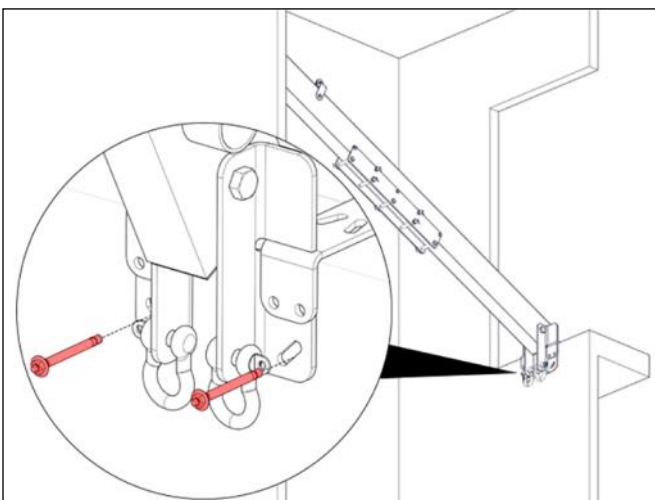
- Lower the Beam using the hoist, and pull the Beam towards the sill using the Tow Line.
- Continue situating the Beam until the Sill Brackets are resting on the sill and wall of the hoistway.



Step 5: Installing the Sill Anchors

Step 5: Installing the Sill Anchors

- Install 2, 5/8" Red Head Concrete Anchors (or equivalent) into each of the Sill Brackets.
- *NOTE: Use a minimum embedment of 2 3/4".



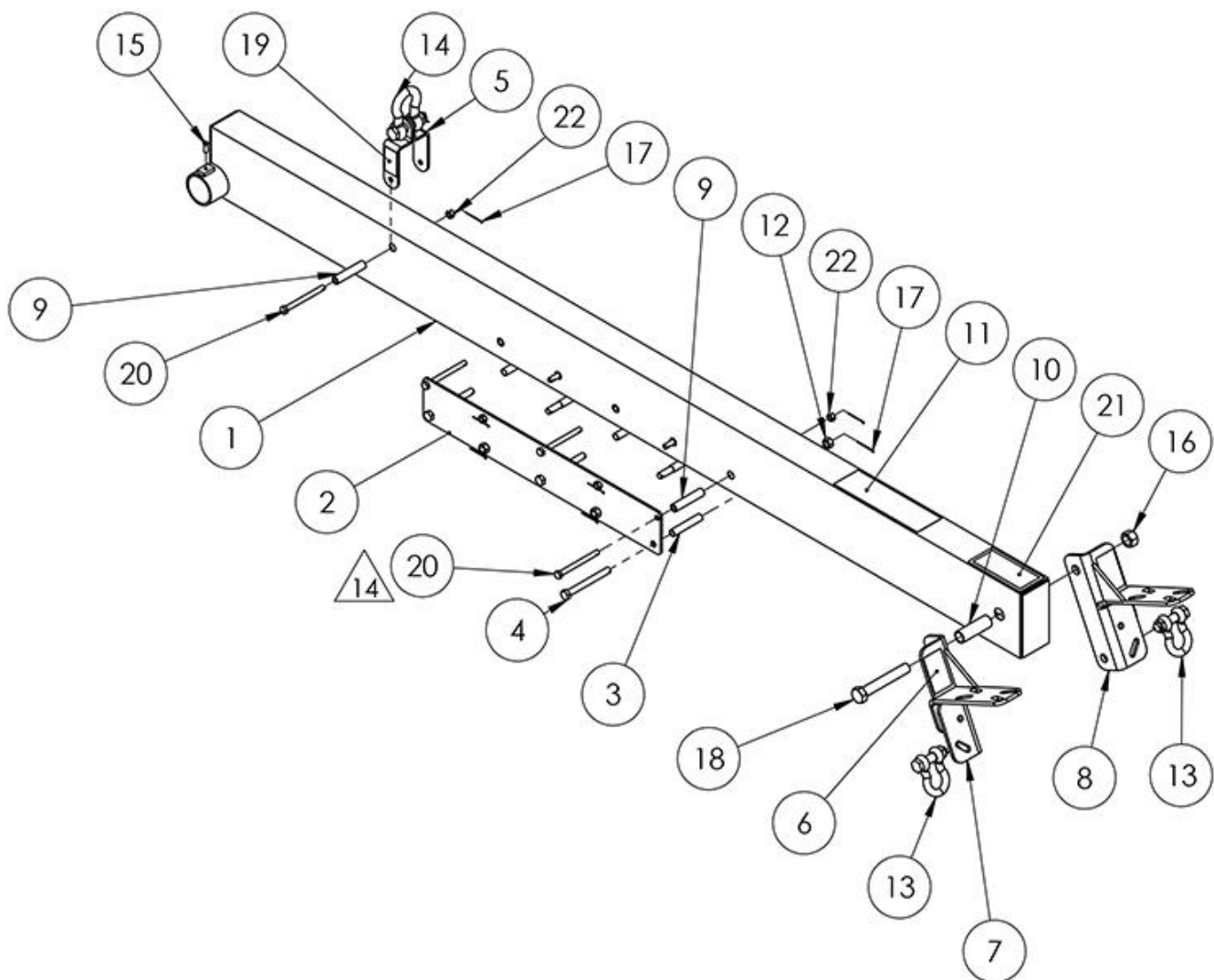
Step 6: Installing the Shear Anchors

Step 6: Installing the Shear Anchors (Optional)

- *NOTE: Anchoring the Sill Brackets to the hoistway wall provides additional security for the Lean2 Beam. This step is optional however.
- Install 2, 5/8" Red Head Concrete Anchors (or equivalent) into each of the Sill Brackets touching the hoistway wall.
- *NOTE: Use a minimum embedment of 2 3/4".

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BILL OF MATERIALS



BILL OF MATERIALS

11-221					
Item	Qty	Part No.	Description	Size	Length
1	1	11-221-04	2.5K LEAN2 TUBE	2500 LBS	-
2	2	11-221-05	2.5K SIDE PLATE	-	-
3	5	11-221-06	2.5K STEEL SPACER	-	-
4	5	11-221-07	5/8" HOIST BRACKET BOLT	-	-
5	1	11-221-09	INSTALLATION BRACKET	-	-
6	2	11-221-10-03	FALL PROTECTION STICKER	-	-
7	1	11-221-10L	SILL BRACKET LEFT	-	-
8	1	11-221-10R	SILL BRACKET RIGHT	-	-
9	6	11-221-11	AL. SPACER (1/2")	N/A	-
10	1	11-221-12	AL. SPACER (1")	-	-
11	1	11-221-CAP-STICKER	DANGER STICKER	-	-
12	5	11137100	HEX NUT	5/8-11	-
13	2	16-073	ANCHOR SHACKLE	6 1/2 TON	-
14	1	16-074	ANCHOR SHACKLE	8 1/2 TON	-
15	2	26069	SQUARE HEAD SET SCREW	3/8-16	1"
16	1	36320	HEX NUT	1-8	-
17	12	10065034-14	EXTENDED PRONG COTTER PIN	3/32"	2"
18	1	70-10005357	SILL BRACKET BOLT	1-8	6"
19	1	70-10005358	INSTALL BRACKET STICKER	-	-
20	6	70-10018241	1/2" HOIST BRACKET SHORT BOLT	-	-
21	1	70-10045102	DATA TAG, 2.5K LEAN2 BEAM	-	-
22	6	0169238	HEX NUT	1/2-13	-
11-225					
Item	Qty	Part No.	Description	Size	Length
1	1	11-225-01	4K LEAN2 TUBE	-	-
2	2	11-225-02	4K LIFT PLATE	-	-
3	5	11-225-03	4K STEEL SPACER	-	-
4	4	11-225-04	3/4" HOIST BRACKET BOLT	-	-
5	5	70-10026140	HEX NUT GR 8 Z	3/4-10	-

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11-225					
Item	Qty	Part No.	Description	Size	Length
6	12	10065034-14	EXTENDED PRONG COTTER PIN	3/32"	-
7	1	11-221-10R	SILL BRACKET RIGHT	-	-
8	1	11-221-10L	SILL BRACKET LEFT	-	-
9	1	11-221-09	INSTALLATION BRACKET	-	-
10	1	11-221-CAP STICKER	DANGER STICKER	-	-
11	1	70-10005358	INSTALL BRACKET STICKER	-	-
12	2	11-221-10-03	FALL PROTECTION STICKER	-	-
13	6	11-221-11	AL. SPACER (1/2")	-	-
14	1	11-221-12	AL. SPACER (1")	-	-
15	2	16-073	ANCHOR SHACKLE	6 1/2 TON	-
16	1	16-074	ANCHOR SHACKLE	8 1/2 TON	-
17	1	70-10005357	SILL BRACKET BOLT	1-8	6"
18	6	11-221-08	1/2" HOIST BRACKET BOLT	-	-
19	6	0169238	HEX NUT	1/2-13	-
20	1	93827A277	HEX NUT	1-8	-
21	2	26069	SQUARE HEAD SET SCREW	3/8-16	1"
22	1	70-10045104	DATA TAG, 4K LEAN2 BEAM	-	-
70-10002488					
Item	Qty	Part No.	Description	Size	Length
1	6	11-221-08	1/2" HOIST BRACKET BOLT	-	-
2	1	11-221-09	INSTALLATION BRACKET	-	-
3	1	11-221-10L	SILL BRACKET LEFT	-	-
4	1	11-221-10R	SILL BRACKET RIGHT	-	-
5	2	11-221-10-03	FALL PROTECTION STICKER	-	-
6	6	11-221-11	AL. SPACER (1/2")	N/A	-
7	1	11-221-12	AL. SPACER (1")	-	-
8	1	11-221-CAP STICKER	DANGER STICKER	-	-
9	2	11-225-02	4K LIFT PLATE	-	-
10	5	11-225-03	4K STEEL SPACER	-	-

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BILL OF MATERIALS

70-10002488					
Item	Qty	Part No.	Description	Size	Length
11	4	11-225-04	3/4" HOIST BRACKET BOLT	-	-
12	1	70-10002489	LEAN2 BEAM WELDMENT	-	-
13	1	70-10005357	SILL BRACKET BOLT	1-8	6"
14	1	70-10005358	INSTALL BRACKET STICKER	-	-
15	1	70-10045108	DATA TAG, LEAN2 BEAM (2400 TO 3075 MM)	-	-
16	2	16-073	ANCHOR SHACKLE	6 1/2 TON	-
17	1	16-074	ANCHOR SHACKLE	8 1/2 TON	-
18	6	0169238	HEX NUT	1/2-13	-
19	5	70-10026140	HEX NUT GR 8 Z	3/4-10	-
20	12	10065034-14	EXTENDED PRONG COTTER PIN	3/32	2"
21	1	93827A277	HEX NUT	1-8	-
70-10003038					
Item	Qty	Part No.	Description	Size	Length
1	6	11-221-08	1/2" HOIST BRACKET BOLT	-	-
2	1	11-221-09	INSTALLATION BRACKET	-	-
3	1	11-221-10L	SILL BRACKET LEFT	-	-
4	1	11-221-10R	SILL BRACKET RIGHT	-	-
5	2	11-221-10-03	FALL PROTECTION STICKER	-	-
6	6	11-221-11	AL. SPACER (1/2")	N/A	-
7	1	11-221-12	AL. SPACER (1")	-	-
8	1	11-221-CAP STICKER	DANGER STICKER	-	-
9	2	11-225-02	4K LIFT PLATE	-	-
10	5	11-225-03	4K STEEL SPACER	-	-
11	4	11-225-04	3/4" HOIST BRACKET BOLT	-	-
12	1	70-10003035	LEAN2 BEAM WELDMENT	-	-
13	1	70-10005357	SILL BRACKET BOLT	1-8	6"
14	1	70-10005358	INSTALL BRACKET STICKER	-	-
15	1	70-10045114	DATA TAG, LEAN2 BEAM (2875 TO 3700 MM)	-	-

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BILL OF MATERIALS

70-10003038					
Item	Qty	Part No.	Description	Size	Length
16	2	16-073	ANCHOR SHACKLE	6 1/2 TON	-
17	1	16-074	ANCHOR SHACKLE	8 1/2 TON	-
18	6	0169238	HEX NUT	1/2-13	-
19	5	70-10026140	HEX NUT GR 8 Z	3/4-10	-
20	12	10065034-14	EXTENDED PRONG COTTER PIN	3/32"	2"
21	1	93827A277	HEX NUT	1-8	-
70-10003037					
Item	Qty	Part No.	Description	Size	Length
1	6	11-221-08	1/2" HOIST BRACKET BOLT	-	-
2	1	11-221-09	INSTALLATION BRACKET	-	-
3	2	11-221-10-03	FALL PROTECTION STICKER	-	-
4	1	11-221-10L	SILL BRACKET LEFT	-	-
5	1	11-221-10R	SILL BRACKET RIGHT	-	-
6	6	11-221-11	AL. SPACER (1/2")	N/A	-
7	1	11-221-12	AL. SPACER (1")	-	-
8	1	11-221-CAP STICKER	DANGER STICKER	-	-
9	2	11-225-02	4K LIFT PLATE	-	-
10	5	11-225-03	4K STEEL SPACER	-	-
11	4	11-225-04	3/4" HOIST BRACKET BOLT	-	-
12	2	16-073	ANCHOR SHACKLE	6 1/2 TON	-
13	1	16-074	ANCHOR SHACKLE	8 1/2 TON	-
14	1	70-10003036	LEAN2 BEAM WELDMENT	-	-
15	1	70-10005357	SILL BRACKET BOLT	1-8	6"
16	1	70-10005358	INSTALL BRACKET STICKER	-	-
17	5	70-10026140	HEX NUT GR 8 Z	3/4-10	-
18	1	70-10045109	DATA TAG, LEAN2 BEAM (3350 MM TO 4400 MM)	-	-
19	1	93827A2277	HEX NUT	1-8	-
20	6	0169238	HEX NUT	1/2-13	-
21	12	10065034-14	EXTENDED PRONG COTTER PIN	3/32"	2"

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DETAILED SPECIFICATION TABLE

11-221T							
		Man Riding		Material Hoisting		Fall Assist Device	
Angle	Hoistway Depth	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
25°	107 in	2115 lbs	2644 lbs	3484 lbs	4339 lbs	7781 lbs	9664 lbs
25°	2705 mm	960 kg	1199 kg	1580 kg	1968 kg	3529 kg	4383 kg
30°	100.5 in	1709 lbs	2332 lbs	2814 lbs	3823 lbs	6285 lbs	8506 lbs
30°	2562 mm	775 kg	1058 kg	1276 kg	1734 kg	2850 kg	3858 kg
35°	95 in	1409 lbs	2122 lbs	2320 lbs	3475 lbs	5182 lbs	7727 lbs
35°	2423 mm	639 kg	963 kg	1052 kg	1576 kg	2350 kg	3505 kg
40°	89 in	1176 lbs	1975 lbs	1936 lbs	3232 lbs	4324 lbs	7180 lbs
40°	2266 mm	533 kg	896 kg	878 kg	1466 kg	1961 kg	3257 kg
45°	82 in	987 lbs	1868 lbs	1625 lbs	3055 lbs	3629 lbs	6784 lbs
45°	2092 mm	448 kg	848 kg	737 kg	1386 kg	1646 kg	3077 kg
50°	74.5 in	828 lbs	1790 lbs	1363 lbs	2925 lbs	3045 lbs	6491 lbs
50°	1902 mm	376 kg	812 kg	619 kg	1327 kg	1381 kg	2944 kg
55°	66.5 in	691 lbs	1731 lbs	1138 lbs	2827 lbs	2541 lbs	6270 lbs
55°	1697 mm	314 kg	785 kg	516 kg	1282 kg	1153 kg	2844 kg
60°	62 in	570 lbs	1686 lbs	938 lbs	2753 lbs	2095 lbs	6103 lbs
60°	1575 mm	259 kg	765 kg	426 kg	1249 kg	950 kg	2768 kg
11-225T							
		Man Riding		Material Hoisting		Fall Assist Device	
Angle	Hoistway Depth	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
25°	107 in	3147 lbs	3934 lbs	5600 lbs	6974 lbs	10742 lbs	13344 lbs
25°	2705 mm	1427 kg	1785 kg	2540 kg	3163 kg	4872 kg	6052 kg
30°	100.5 in	2542 lbs	3469 lbs	4523 lbs	6143 lbs	8676 lbs	11746 lbs
30°	2562 mm	1153 kg	1574 kg	2052 kg	2786 kg	3935 kg	5327 kg
35°	95 in	2096 lbs	3157 lbs	3730 lbs	5584 lbs	7154 lbs	10671 lbs
35°	2423 mm	951 kg	1432 kg	1692 kg	2533 kg	3245 kg	4840 kg

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DETAILED SPECIFICATION TABLE

11-225T

Angle	Hoistway Depth	Man Riding		Material Hoisting		Fall Assist Device	
		Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
40°	89 in	1749 lbs	2939 lbs	3112 lbs	5192 lbs	5970 lbs	9916 lbs
40°	2266 mm	794 kg	1333 kg	1412 kg	2355 kg	2708 kg	4497 kg
45°	82 in	1468 lbs	2780 lbs	2612 lbs	4909 lbs	5009 lbs	9369 lbs
45°	2092 mm	666 kg	1261 kg	1185 kg	2226 kg	2272 kg	4249 kg
50°	74.5 in	1232 lbs	2663 lbs	2192 lbs	4699 lbs	4203 lbs	8964 lbs
50°	1902 mm	559 kg	1208 kg	994 kg	2131 kg	1907 kg	4066 kg
55°	66.5 in	1028 lbs	2575 lbs	1829 lbs	4541 lbs	3508 lbs	8660 lbs
55°	1697 mm	466 kg	1168 kg	830 kg	2060 kg	1591 kg	3928 kg
60°	62 in	848 lbs	2509 lbs	1508 lbs	4421 lbs	2892 lbs	8430 lbs
60°	1575 mm	385 kg	1138 kg	684 kg	2005 kg	1312 kg	3823 kg

70-10002488

Angle	Hoistway Depth	Man Riding		Material Hoisting		Fall Assist Device	
		Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
25°	121 in	3084 lbs	3892 lbs	5474 lbs	6880 lbs	10481 lbs	13143 lbs
25°	3075 mm	1399 kg	1765 kg	2483 kg	3120 kg	4754 kg	5961 kg
30°	114.5 in	2491 lbs	3441 lbs	4421 lbs	6076 lbs	8465 lbs	11599 lbs
30°	2914 mm	1130 kg	1561 kg	2005 kg	2756 kg	3839 kg	5261 kg
35°	108.5 in	2054 lbs	3139 lbs	3645 lbs	5537 lbs	6980 lbs	10564 lbs
35°	2756 mm	932 kg	1424 kg	1653 kg	2512 kg	3166 kg	4791 kg
40°	101.5 in	1714 lbs	2928 lbs	3042 lbs	5160 lbs	5825 lbs	9839 lbs
40°	2578 mm	778 kg	1328 kg	1380 kg	2340 kg	2642 kg	4463 kg
45°	95 in	1438 lbs	2775 lbs	2553 lbs	4888 lbs	4888 lbs	9315 lbs
45°	2400 mm	653 kg	1259 kg	1158 kg	2217 kg	2217 kg	4225 kg

DETAILED SPECIFICATION TABLE

70-10003038

		Man Riding		Material Hoisting		Fall Assist Device	
Angle	Hoistway Depth	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
25°	146 in	2,985 lbs	3823 lbs	5279 lbs	2394 lbs	10088 lbs	12842 lbs
25°	3700 mm	1354 kg	1734 kg	2394 kg	3055 kg	4575 kg	5824 kg
30°	139.5 in	2,411 lbs	3394 lbs	4264 lbs	5974 lbs	8148 lbs	11381 lbs
30°	3547 mm	1094 kg	1540 kg	1934 kg	2710 kg	3695 kg	5162 kg
35°	132 in	1988 lbs	3108 lbs	3516 lbs	5465 lbs	6718 lbs	10405 lbs
35°	3355 mm	902 kg	1410 kg	1595 kg	2479 kg	3047 kg	4719 kg
40°	123.5 in	1659 lbs	2909 lbs	2934 lbs	5110 lbs	5606 lbs	9725 lbs
40°	3137 mm	753 kg	1319 kg	1331 kg	2318 kg	2543 kg	4411 kg
45°	113 in	1392 lbs	2765 lbs	2462 lbs	4855 lbs	4704 lbs	9234 lbs
45°	2875 mm	632 kg	1254 kg	1117 kg	2202 kg	2134 kg	4188 kg

70-10003037

		Man Riding		Material Hoisting		Fall Assist Device	
Angle	Hoistway Depth	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill	Max Load on Back Wall	Max Load on Sill
25°	173 in	2915 lbs	3769 lbs	5151 lbs	6636 lbs	9836 lbs	12645 lbs
25°	4400 mm	1322 kg	1710 kg	2336 kg	3010 kg	4461 kg	5735 kg
30°	166 in	2355 lbs	3354 lbs	4160 lbs	5900 lbs	7945 lbs	11236 lbs
30°	4217 mm	1068 kg	1522 kg	1887 kg	2676 kg	3603 kg	5096 kg
35°	157 in	1942 lbs	3079 lbs	3430 lbs	5411 lbs	6551 lbs	10298 lbs
35°	3989 mm	881 kg	1396 kg	1556 kg	2454 kg	2971 kg	4671 kg
40°	146.5 in	1620 lbs	2887 lbs	2863 lbs	5070 lbs	5467 lbs	9645 lbs
40°	3730 mm	735 kg	1309 kg	1299 kg	2299 kg	2479 kg	4374 kg
45°	140 in	1360 lbs	2749 lbs	2402 lbs	4825 lbs	4587 lbs	9175 lbs
45°	3550 mm	617 kg	1247 kg	1090 kg	2188 kg	2081 kg	4161 kg

