

Pre-Installation Assessment



Loadcell weight sensor for lift trucks with BL-634 chains

To determine if a Lift Truck Weigh Kit will work with your truck please check that the following conditions are met:

- Your lift truck must use leaf chains rather than roller chains.
- Most installations are at the front of the column. Loadcells are attached between the top of the carriage and the first stage chains.

To permit the loadcells to mount without interference, at least 3" of chain section should be exposed between the carriage and chain pulley when the carriage is raised just past the first stage. If this location is unsuitable there are limited further mounting options.

- In particular, observe the amount left below the sheave (chain pulley) with the forks raised to the top of the 1st stage. Then raise the forks to the upmost position and observe if there would be sufficient clearance for the load cells.

There are three steps that must be taken before we can determine which Lift Truck Weigh Kit is right for you:

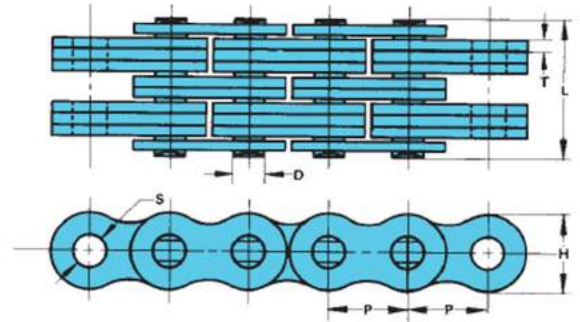
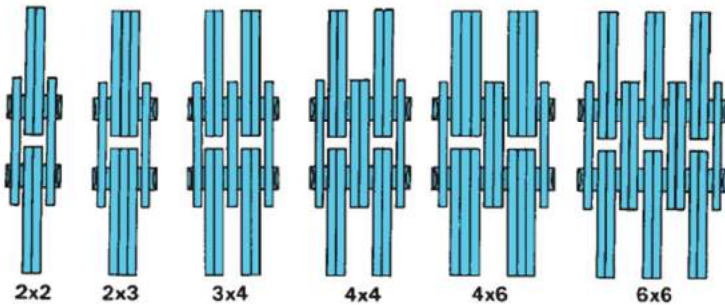
- Check to determine which chain your truck uses. The most common we find is BL-634. We have or can make loadcells for most types of leaf chains.
- Find out the voltage of your lift truck's electrical system. Our kit requires 12 Volts so if your truck's voltage is higher than that a power supply will be added to the kit for voltage conversion. The kit will also run from a rechargeable battery as an alternative to using your truck's power.
- Consider adding features to your kit. We can provide you with a printer that mounts in the truck or even interface your weight display to a portable computer.

Under no circumstance should the loadcells be mounted on the chain at the rear. I.e. The opposite side of carriage.

Clamps rather than forks cause sidel-oading and hysteresis that greatly reduces the scale accuracy.

LEAF CHAIN

BL Series



U.S. TSUBAKI Chain No.	Pitch P	Lacing	Min. Tensile Strength lbs.	ANSI Min. Tensile Strength lbs.	Pin		Link Plate		Hole Dia. (min.) S	Approx. Weight lbs./ft.
					D	L	T	H		
BL422	.500	2x2	5,300	5,000	.200	.427	.080	.472	.2019	.46
BL423	.500	2x3	5,300	5,000	.200	.510	.080	.472	.2019	.56
BL434	.500	3x4	7,900	7,500	.200	.677	.080	.472	.2019	.76
BL444	.500	4x4	10,600	10,000	.200	.764	.080	.472	.2019	.86
BL446	.500	4x6	10,600	10,000	.200	.929	.080	.472	.2019	1.11
BL466	.500	6x6	15,600	15,000	.200	1.094	.080	.472	.2019	1.32
BL522	.625	2x2	8,800	7,500	.234	.498	.094	.591	.2362	.72
BL523	.625	2x3	8,800	7,500	.234	.594	.094	.591	.2362	.85
BL534	.625	3x4	13,200	11,000	.234	.791	.094	.591	.2362	1.14
BL544	.625	4x4	17,600	15,000	.234	.888	.094	.591	.2362	1.27
BL546	.625	4x6	17,600	15,000	.234	1.083	.094	.591	.2362	1.61
BL566	.625	6x6	26,400	22,500	.234	1.278	.094	.591	.2362	1.88
BL622	.750	2x2	14,300	11,000	.312	.645	.125	.713	.3138	1.13
BL623	.750	2x3	14,300	11,000	.312	.778	.125	.713	.3138	1.37
BL634	.750	3x4	21,500	17,000	.312	1.041	.125	.713	.3138	1.90
BL644	.750	4x4	28,500	22,000	.312	1.173	.125	.713	.3138	2.14
BL646	.750	4x6	28,500	22,000	.312	1.437	.125	.713	.3138	2.69
BL666	.750	6x6	43,000	33,000	.312	1.701	.125	.713	.3138	3.18
BL822	1.000	2x2	23,100	19,000	.375	.794	.156	.949	.3768	1.74
BL823	1.000	2x3	23,100	19,000	.375	.953	.156	.949	.3768	2.15
BL834	1.000	3x4	34,800	29,000	.375	1.281	.156	.949	.3768	2.98
BL844	1.000	4x4	46,200	38,000	.375	1.453	.156	.949	.3768	3.39
BL846	1.000	4x6	46,200	38,000	.375	1.772	.156	.949	.3768	4.25
BL866	1.000	6x6	69,500	57,000	.375	2.098	.156	.949	.3768	5.07
BL1022	1.250	2x2	31,700	26,000	.437	.944	.187	1.185	.4386	2.53
BL1023	1.250	2x3	31,700	26,000	.437	1.138	.187	1.185	.4386	3.15
BL1034	1.250	3x4	48,500	41,000	.437	1.530	.187	1.185	.4386	4.40
BL1044	1.250	4x4	63,400	52,000	.437	1.708	.187	1.185	.4386	5.03
BL1046	1.250	4x6	63,400	52,000	.437	2.114	.187	1.185	.4386	6.24
BL1066	1.250	6x6	95,200	78,000	.437	2.514	.187	1.185	.4386	7.50
BL1222	1.500	2x2	41,800	34,000	.500	1.104	.219	1.425	.5016	3.25
BL1223	1.500	2x3	41,800	34,000	.500	1.335	.219	1.425	.5016	4.39
BL1234	1.500	3x4	67,200	55,000	.500	1.791	.219	1.425	.5016	6.11
BL1244	1.500	4x4	83,600	68,000	.500	2.020	.219	1.425	.5016	6.98
BL1246	1.500	4x6	83,600	68,000	.500	2.478	.219	1.425	.5016	8.07
BL1266	1.500	6x6	125,600	102,000	.500	2.936	.219	1.425	.5016	9.80
BL1422	1.750	2x2	52,900	43,000	.562	1.245	.250	1.661	.5638	4.91
BL1423	1.750	2x3	52,900	43,000	.562	1.504	.250	1.661	.5638	6.09
BL1434	1.750	3x4	87,000	71,000	.562	2.024	.250	1.661	.5638	7.61
BL1444	1.750	4x4	105,800	86,000	.562	2.285	.250	1.661	.5638	8.71
BL1446	1.750	4x6	105,800	86,000	.562	2.805	.250	1.661	.5638	12.10
BL1466	1.750	6x6	158,700	130,000	.562	3.325	.250	1.661	.5638	15.13
BL1622	2.000	2x2	79,300	65,000	.687	1.401	.281	1.898	.6886	6.61
BL1623	2.000	2x3	79,300	65,000	.687	1.703	.281	1.898	.6886	8.17
BL1634	2.000	3x4	124,500	99,000	.687	2.299	.281	1.898	.6886	11.39
BL1644	2.000	4x4	158,600	130,000	.687	2.593	.281	1.898	.6886	12.75
BL1646	2.000	4x6	158,600	130,000	.687	3.191	.281	1.898	.6886	16.19
BL1666	2.000	6x6	238,300	195,030	.687	3.785	.281	1.898	.6886	19.31
BL2022	2.500	2x2	119,000	97,500						
BL2023	2.500	2x3	119,000	97,500						
BL2034	2.500	3x4	178,800	146,000						
BL2044	2.500	4x4	238,500	195,000						
BL2046	2.500	4x6	238,500	195,000						
BL2066	2.500	6x6	357,800	292,500						

CONSULT FACTORY

Warranty

The Weigh Point warranty for lift truck scale kits provides specified customer rights based upon conditions herein stated.

Weigh Point Inc. provides a one-year free replacement of faulty material and/or workmanship of the scale system. No other warranty liability is expressed or implied.

The faulty goods are to be returned freight prepaid to our Cambridge facility. After repair or replacement, the goods will be returned collect to the customer.

An option is for Weigh Point personnel or their agent to effect repairs at the customer's facility. Travel expenses and other associated expenses are the customer's responsibility.

Avoid voided warranty by ensuring that scale damage is avoided.

Precautionary procedures:

- Weigh scales are measuring devices and require reasonable handling and care
- Inspect cabling to ensure no snagging will occur. Note that damaged cables are not covered by warranty.
- Static buildup can easily destroy the microprocessor display. If static buildup is suspected then take precautions such as use of grounding straps or chains, anti marring tires are particularly responsible for static buildup
- Periodic inspection of the scale components is required for scale longevity and safety.

Please note the precautionary notes are mandated as a condition of the product warranty.

Order information:

To determine suitability of both the application and your truck, kindly provide information or ask us to research unknown truck specification. **Please fill out the information on this page and fax it back to us at 519-622-7760**

Company Name:	
System user contact:	
Telephone:	
Fax:	
Type and size of products (min/max weight):	
Typical weight of lift:	
Minimum accuracy required:	
Operation environment:	<input type="checkbox"/> Indoor <input type="checkbox"/> Outdoor <input type="checkbox"/> Other:
Container weights for tarring functions:	<input type="checkbox"/> Determined <input type="checkbox"/> Non-determined

About your truck:

If we are to contact an outside lift truck dealer, please provide the name and contact

Make:	
Model:	
Nameplate capacity:	
Lift height:	
Chain Size/Style:	
No. of chains supporting carriage	
Truck's voltage:	<input type="checkbox"/> 12V <input type="checkbox"/> 24V <input type="checkbox"/> Other:
Type of Mast:	
Carriage Class	