



PRODUCT GUIDE

2022

LIFT TRUCK ATTACHMENTS - FORKS

**BOLZONI IS ONE OF THE
WORLDWIDE LEADING
MANUFACTURERS OF LIFT TRUCK
ATTACHMENTS, FORKS AND
LIFT TABLES, WITH THE MOST
EXTENSIVE PRODUCT RANGE IN
THE MARKET.**

WE ARE BOLZONI,
THE MATERIAL HANDLING GROUP

BOLZONI 
The Material Handling Group 

Product Guide

2022

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Our Production Plants



USA
Sulligent - Alabama
301,000 sq.ft



USA
Homewood - Illinois
43,000 sq.ft



Italy
Piacenza
220,600 sq.ft



Finland
Helsinki
59,200 sq.ft



Germany
Salzgitter
103,300 sq.ft



Brazil
Serra/ES
32,300 sq.ft



China
Wuxi - Shanghai District
161,500 sq.ft



China
Longhua - Hebei District
175,500 sq.ft



Our Global Network

-  Production site
-  Commercial subsidiary
-  Associated company
-  Independent distributor
-  Holding



BELIEVING IN A
WORLD OF GROWTH



OPENING

Product Brands



A brand synonymous with specialists in forest products handling attachments, BOLZONI AURAMO offers its expertise and market leading attachments for all requirements, from large paper rolls to pulp bales and cardboard packaging, from home appliances and beverage products to construction materials.

BOLZONI AURAMO is the world's leading supplier to the main lift truck manufacturers of factory installed products.

OEM

World leader in the market of OEM factory installed products, BOLZONI is the approved supplier for all the main fork lift truck manufacturers.

Thanks to the excellent manufacturing system and the high performance level of its products, BOLZONI is a strategic partner for the top players in the forklift industry worldwide able to apply the highest standards of organization and productivity, providing maximum safety and quality of the products and a global service for logistics needs.

Customized Solutions

Reference point in the material handling world, BOLZONI has connections with all segments of the industry. As a result of our continuous focus on discovering new innovative solutions and to the close co-operation with users, we have built up an experience in understanding their specific industrial processes in order to provide customized products and services.

Our core aim is to be always at the side of our clients to satisfy the needs of each market, creating added value for customers while providing a high level of reliability and cost effectiveness.

NEW HORIZONS

Customer Care

Alongside the sales and after sales activities - such as spare parts supply, repairs, refurbishing of used attachments, buy-back and rental programs - we also provide extensive product advice to our customers. Internal training programs give the BOLZONI sales force excellent preparation for pin-pointing the right solutions to every material handling need. Our expertise is always at the customer's service.

Specifications

All products are subject to continual review and modification. Bolzoni Auramo reserves the right to make such modifications without notice. More detailed technical information is available on request.

Prices

All prices shown are suggested list prices, with the exception of sideshifter prices, which are dealer NET. All prices are subject to continual review and modification. Bolzoni Auramo reserves the right to make such modifications without notice.

Prices apply only to the specific equipment shown and described in the respective section. All alterations, amendments and modifications are subject to add-on prices. The prices are always indicated without packaging and without transport cost except for sideshifters, which come with free delivery for single shipments of 5 units or more.

Quotations

Price quotations on special or modified equipment shall be valid for 30 days from date thereof except as may be otherwise agreed upon in writing.

Special attachments

Special and modified equipment is available on request. A complete description of the application is required to specify the technical requirements.

Design ownership

All design, drawings and specifications prepared by Bolzoni Auramo, in connection with any standard, special or modified equipment, machinery, part or parts, shall remain the exclusive property of Bolzoni Auramo, and any copying, reproduction or other use thereof without the express written consent of Bolzoni Auramo, is strictly forbidden.

Rated capacity / Net working capacity

The rated capacity of each Bolzoni Auramo attachment is a structural rating only. The type of product to be handled as well as operating conditions must be considered before the net working capacity for each application can be properly determined.

The attachment capacities shown are nominal. They apply only to the individual attachment and are not the capacity of the lift truck. Attachment capacity combined with lift-truck rating determines the net working capacity of the combination. The net working capacity for each truck/attachment combination will be available from the lift-truck manufacturer.

For details concerning nominal working pressure and flow rates please consult Bolzoni Auramo technical specifications sheets.

General sales conditions

- Delivery terms are approximate and do not give the right to cancel or to claim damages of any kind.
- The goods are delivered F.O.B Bolzoni Auramo uncleared and in any case are carried at the Customer's risk.

Limited warranty

For a period of 36 months, from the date of delivery to customer, Bolzoni Auramo, at its option, will repair or replace for the original purchaser, free of charge, any part or parts of the attachment found, upon examination by Bolzoni Auramo, to be defective in material or workmanship, or both. To receive warranty service, contact your lift truck dealer or Bolzoni Auramo.

This warranty does not apply if such defect has been caused by alteration, improper use, failure to provide proper maintenance, normal wear, or operation contrary to Bolzoni Auramo's installation and service instructions. There is no other express warranty. Bolzoni Auramo makes no representation or warranty, express or implied, of merchantability, fitness for a particular purpose, or any other representation or warranty.

Our obligations under this warranty are limited to the repair or replacement of any defective parts of the attachment and we assume no liability for incidental, special or consequential damages under this warranty.

To the extent allowed by applicable law, Bolzoni Auramo's liability arising out of the supplying or use of the equipment shall in no case exceed the contract price. Repair or replacement will be the sole and exclusive remedy.

- Bolzoni Auramo assumes no responsibility for damage or injury, either direct or consequential, resulting from or occasioned by possession or use of its products.
- In case of dispute or controversy, resolution of such dispute shall fall under the legal jurisdiction of the Court of the city where the goods were manufactured.

For more information on how to do warranty business with Bolzoni Auramo contact warrantyusa@bolzoni-auramo.com

Lift truck capacity

All lift truck basic capacity tables assume that the truck is operated with forks only. The rated capacity is given for a load with a center of gravity a particular distance from the vertical face of the forks. This distance is called the load center. Loads with a center of gravity further than this will reduce the lift truck rated capacity.

Attachments reduce the lift truck rated capacity. The lift truck manufacturer is responsible for giving the final capacity rating for the forklift/attachment combination.

Lifting height

Required lifting height, mast type and need for freelifte depend on the customer's requirements. When selecting the mast for attachment use, note that the lifting height requirements may differ from those of a standard lift truck equipped with forks only.

For example, when stacking paper rolls, the paper rolls have to be clamped from the middle of the roll. The paper roll height and paper roll clamp mounting height affect the required lift mast lifting height. The actual lifting height requirement can be substantially higher when compared to lifting pallet loads to the same height.

Standard mountings

The standard mounting of many Bolzoni Auramo lift truck attachments is an ITA/ISO 2328 class II / III / IV mounting. Non-standard or special mountings are not included in the attachment price.

A complete technical description is always required whenever a non-standard or special mounting is selected.

Integral mountings

An integral mounting replaces the original lift truck fork carriage and its roller brackets completely.

When compared to a standard hook-type mounting, an attachment with an integral mounting often saves the lift truck residual capacity as the lift truck & attachment combination has smaller effective thickness and lower weight. In many cases this mounting solution also offers optimal visibility through the attachment.

A complete technical description of the original fork carriage is always required when an integrated attachment is selected. Consult Bolzoni Auramo regarding product availability.

Special mountings

Special and modified mountings are available on request for many attachment models. Typically, special mountings include different Pin Type, Terminal West and wheel loader mountings.

As with integral mountings, a complete technical description is always required when selecting a special mounting. Consult Bolzoni Auramo regarding product availability.

Lift mast forward tilt

Some rotating paper roll clamp attachment models require the lift mast to have a certain amount of forward tilt available. These clamps utilize the lift truck tilt when horizontal rolls are lifted.

If the forward tilt has been limited, the attachment specifications may have to be changed. Consult the attachment specifications for further information.

Hydraulic functions

A hydraulically operated lift truck attachment requires at least one hydraulic function from the lift truck hydraulic system. Fork positioners and clamps require normally two hydraulic functions.

Special attachments, and attachment combinations, may require three, four, or even more hydraulic functions. See the product data tables for further information.

Hydraulic pressure

Hydraulic pressure defines the operation force of the attachment. The attachment structure, seals, hoses and other hydraulic components define the maximum hydraulic pressure.

With some attachment models the hydraulic pressure is of vital importance. For example, all clamp attachments generate the clamping force from the hydraulic pressure, and the lower the hydraulic pressure is, the lower is also the lifting ability of a clamp. Whereas with non-clamping fork attachments, it is recommended to move forks with a low hydraulic pressure to reduce the load and pallet damage risk.

If the lift truck hydraulic pressure exceeds the maximum attachment connection pressure, separate pressure relief valves must be installed to protect the attachment. See the product data tables for further information.

Oil flow

Oil flow to the attachment defines the operation speed of the attachment forks or arms.

Normally the attachments operate well within a wide oil flow range. Particular attention should be paid to the oil flow when selecting an attachment with multiple arm pairs or a very wide opening.

Note also that the hydraulic hoses going over the lift mast, hose reels, swivel blocks and hose connectors may throttle the oil flow to the attachment and affect the operation speed. See the product data tables for further information.

Oil grade and quality

All Bolzoni Auramo lift truck attachments are compatible with standard, good-quality petroleum-based hydraulic oils.

Consult the manufacturer if there is a need to use water-based or bio-hydraulic oils.

Lift truck

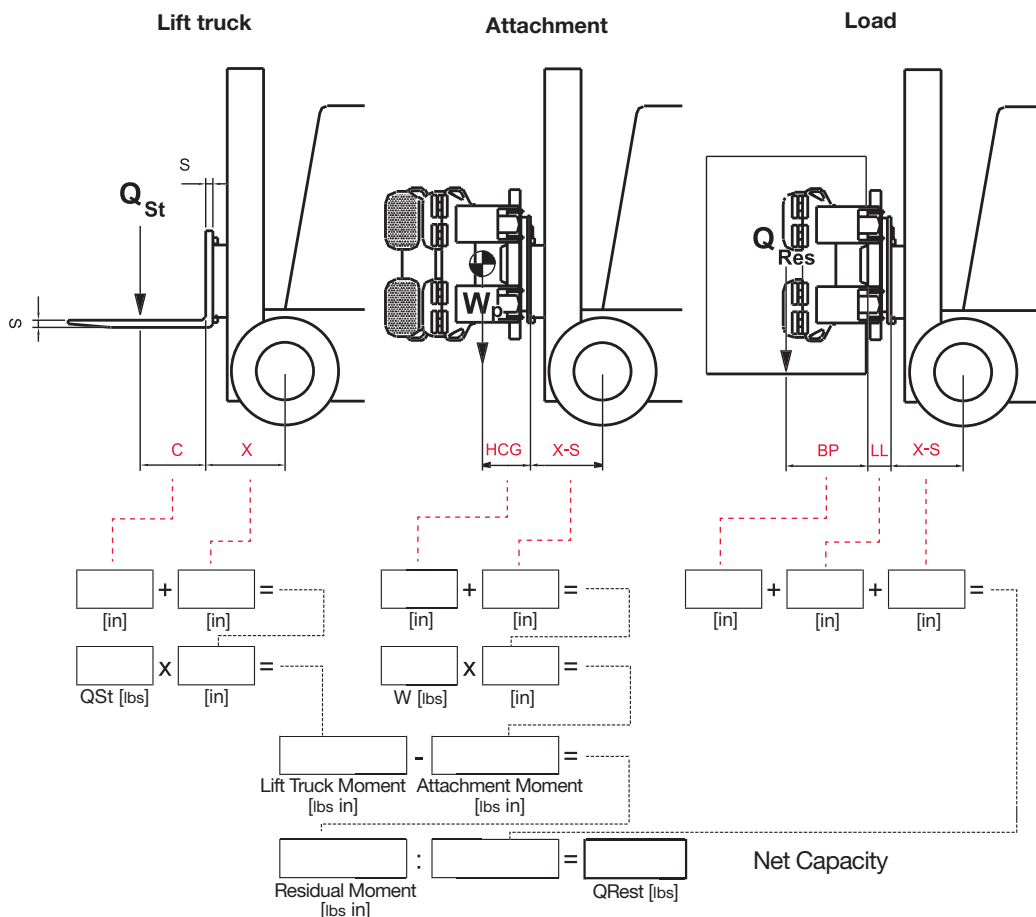
Manufacturer:	
Model:	
Rated capacity Q_{St} :	Lbs.
Load center C :	in
Dimension X :	in
Fork thickness S :	in

Lift truck attachment

Model:	
Rated capacity:	Lbs.
Effective thickness LL :	in
Center of gravity HCG :	in
Weight W :	Lbs.

Load

Load center BP :	in
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Warning !!!

Never exceed the rated capacity of the attachment.

This result is only an approximate one. To get an official result, please contact the lift truck manufacturer.

NOTES

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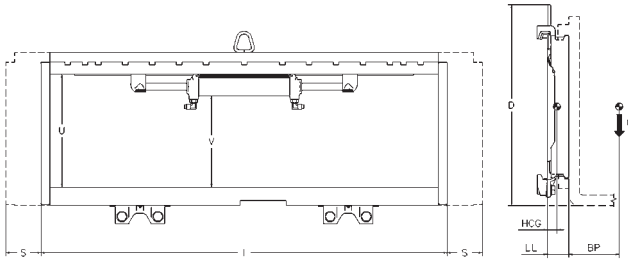
Hook-on Sideshifters

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02





Range: 5,500 - 15,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

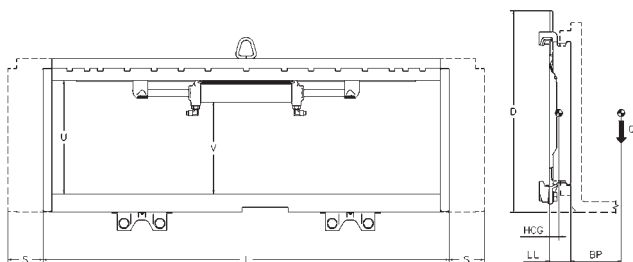
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3120	5,500	31.0"	II	8"	28.4"	93	2.4"	1.0"	8.1"
HN4 3720	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 4120	5,500	41.0"	II	8"	32.7"	114	2.4"	1.0"	8.1"
HN4 4920	5,500	49.0"	II	8"	37.8"	188	2.6"	1.1"	8.1"
HN4 6120	5,500	61.0"	II	8"	43.3"	256	2.6"	1.1"	8.6"
HN5 3720	6,500	37.0"	III	8"	29.9"	133	2.6"	1.0"	9.0"
HN5 4120	6,500	41.0"	III	8"	35.0"	144	2.6"	1.0"	9.0"
HN5 4920	6,500	49.0"	III	8"	42.9"	165	2.6"	1.0"	9.0"
HN6 4120	10,000	41.0"	III	8"	33.5"	234	3.0"	1.3"	10.3"
HN6 4920	10,000	49.0"	III	8"	35.5"	269	3.0"	1.3"	10.3"
HN6 6120	10,000	61.0"	III	8"	47.3"	323	3.0"	1.3"	10.3"
HN6 7220	10,000	72.0"	III	8"	61.0"	416	3.0"	1.3"	11.0"
HN7 4216	15,000	42.0"	IV	8"	35.4"	320	3.3"	1.4"	19.8"
HN7 4816	15,000	48.0"	IV	8"	35.4"	366	3.3"	1.4"	19.8"
HN7 5416	15,000	54.0"	IV	8"	35.4"	427	3.3"	1.4"	19.8"
HN7 6016	15,000	60.0"	IV	8"	39.4"	467	3.3"	1.5"	19.8"
HN7 7216	15,000	72.0"	IV	8"	53.1"	537	3.3"	1.5"	19.7"

Notes:

- One hydraulic function.
- In case of carriage with tapered ends, please contact Bolzoni Auramo to check side shift compatibility.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(20) two bolts per side-side drilled
(16) two bolts per side-side and face drilled.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3242	5,500	32.3"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3252	5,500	32.3"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3642	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3652	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3802	5,500	38.3"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3862	5,500	38.6"	II	8"	28.4"	101	2.4"	1.0"	8.1"
HN4 3942	5,500	39.4"	II	8"	32.7"	110	2.4"	1.0"	8.1"
HN4 3952	5,500	39.4"	II	8"	32.7"	110	2.4"	1.0"	8.1"
HN4 4302	5,500	43.4"	II	8"	37.8"	118	2.4"	1.0"	8.1"
HN4 4462	5,500	44.1"	II	8"	37.8"	118	2.4"	1.0"	8.1"
HN4 5542	5,500	55.1"	II	8"	41.3"	207	2.6"	1.1"	8.1"
HN4 5552	5,500	55.1"	II	8"	41.3"	207	2.6"	1.1"	8.1"
HN5 3742	6,500	37.8"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3752	6,500	37.8"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3942	6,500	39.4"	III	8"	29.9"	140	2.6"	1.0"	9.0"
HN5 3952	6,500	39.4"	III	8"	29.9"	140	2.6"	1.0"	9.0"
HN5 4002	6,500	40.3"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4102	6,500	41.5"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4302	6,500	43.9"	III	8"	35.0"	150	2.6"	1.0"	9.0"
HN5 4702	6,500	47.8"	III	8"	42.9"	163	2.6"	1.0"	9.0"
HN6 3952	10,000	39.4"	III	8"	33.5"	227	3.0"	1.3"	10.3"
HN6 4102	10,000	41.5"	III	8"	33.5"	235	3.0"	1.3"	10.3"
HN6 4402	10,000	44.3"	III	8"	33.5"	249	3.0"	1.3"	10.3"
HN6 4442	10,000	44.3"	III	8"	33.5"	249	3.0"	1.3"	10.3"
HN6 4642	10,000	46.8"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 4652	10,000	46.8"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 4702	10,000	47.8"	III	8"	35.5"	264	3.0"	1.3"	10.3"
HN6 5942	10,000	59.1"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 5952	10,000	59.1"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 6002	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6102	10,000	61.6"	III	8"	47.3"	326	3.0"	1.3"	10.3"
HN6 7042	10,000	70.9"	III	8"	61.0"	411	3.0"	1.3"	11.0"
HN6 7052	10,000	70.9"	III	8"	61.0"	411	3.0"	1.3"	11.0"

Notes:

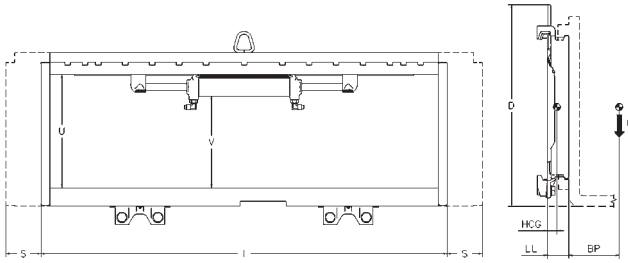
- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(02) two bolts per side-side drilled. Please, specify truck model.
(42) four bolts per side-side drilled.
(52) two bolts per side-side drilled.

(62) one bolt per side-face drilled.

- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

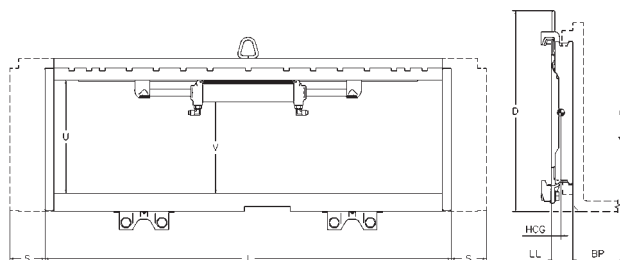
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
Clark									
HN4 3103	5,500	31.0"	II	8"	28.4"	93	2.4"	1.0"	8.1"
HN4 3703	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 4103	5,500	41.0"	II	8"	32.7"	114	2.4"	1.0"	8.1"
HN4 4403	5,500	44.9"	II	8"	37.8"	122	2.4"	1.0"	8.1"
HN4 4903	5,500	49.0"	II	8"	37.8"	188	2.6"	1.1"	8.1"
HN4 6103	5,500	61.0"	II	8"	43.3"	256	2.6"	1.1"	8.6"
HN5 3703	6,500	37.0"	III	8"	29.9"	133	2.6"	1.0"	9.0"
HN5 4103	6,500	41.0"	III	8"	35.0"	144	2.6"	1.0"	9.0"
HN5 4403	6,500	44.9"	III	8"	35.0"	153	2.6"	1.0"	9.0"
HN5 4903	6,500	49.0"	III	8"	42.9"	165	2.6"	1.0"	9.0"
HN6 4103	10,000	41.0"	III	8"	33.5"	234	3.0"	1.3"	10.3"
HN6 4903	10,000	49.0"	III	8"	35.5"	269	3.0"	1.3"	10.3"
HN6 6103	10,000	61.0"	III	8"	47.3"	323	3.0"	1.3"	10.3"
HN6 7203	10,000	72.0"	III	8"	61.0"	416	3.0"	1.3"	11.0"
Crown									
HN4 3104	5,500	31.0"	II	8"	28.4"	93	2.4"	1.0"	8.1"
HN4 3404	5,500	34.5"	II	8"	28.4"	100	2.4"	1.0"	8.1"
HN4 3454	5,500	34.3"	II	8"	28.4"	99	2.4"	1.0"	8.1"
HN4 3754	5,500	37.8"	II	8"	32.7"	107	2.4"	1.0"	8.1"
HN4 3804	5,500	38.0"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4354	5,500	43.7"	II	8"	37.8"	119	2.4"	1.0"	8.1"
HN4 4404	5,500	44.0"	II	8"	37.8"	120	2.4"	1.0"	8.1"
HN5 3804	6,500	38.0"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 4404	6,500	44.0"	III	8"	35.0"	150	2.6"	1.0"	9.0"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(04) two bolts per side-side drilled.
(54) two bolts per side-side drilled.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

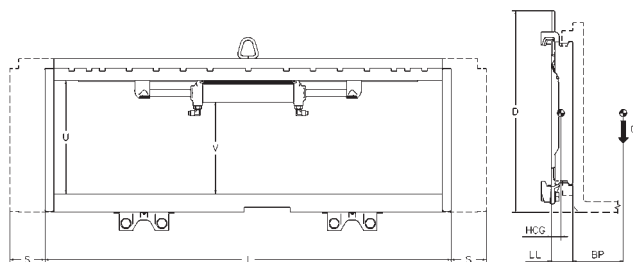
Model	Capacity Lbs. @ 24°	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
Doosan									
HN4 3821	5,500	38.3"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4321	5,500	43.4"	II	8"	37.8"	118	2.4"	1.0"	8.1"
HN4 5621	5,500	56.7"	II	8"	42.9"	211	2.6"	1.1"	8.1"
HN5 4021	6,500	40.4"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4321	6,500	43.9"	III	8"	35.0"	150	2.6"	1.0"	9.0"
HN6 4721	10,000	47.8"	III	8"	35.5"	264	3.0"	1.3"	10.3"
HN6 6121	10,000	61.6"	III	8"	47.3"	326	3.0"	1.3"	10.3"
Heli									
HN 4 3623	5,500	36.4"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN 4 3823	5,500	38.2"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN 4 4023	5,500	40.9"	II	8"	35.9"	114	2.4"	1.0"	8.1"
HN 4 6123	5,500	61.0"	II	8"	43.3"	256	2.6"	1.1"	8.6"
HN 5 4323	6,500	43.3"	III	8"	35.0"	150	2.6"	1.0"	9.0"
HN 6 5423	10,000	54.3"	III	8"	47.3"	294	3.0"	1.3"	10.3"
HN 6 7023	10,000	71.0"	III	8"	61.0"	411	3.0"	1.3"	11.0"
Hyundai									
HN4 3418	5,500	34.9"	II	8"	28.4"	101	2.4"	1.0"	8.1"
HN4 3818	5,500	38.6"	II	8"	28.4"	101	2.4"	1.0"	8.1"
HN4 4018	5,500	40.2"	II	8"	32.7"	112	2.4"	1.0"	8.1"
HN4 4118	5,500	41.7"	II	8"	35.9"	115	2.4"	1.0"	8.1"
HN4 5818	5,500	58.8"	II	8"	45.0"	248	2.6"	1.1"	8.6"
HN5 4018	6,500	40.2"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4118	6,500	41.7"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN6 4618	10,000	46.9"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 5518	10,000	55.1"	III	8"	47.3"	297	3.0"	1.3"	10.3"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fern 2/3) - see page 14-7


Range: 5,500 - 15,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

Model	Capacity Lbs. @ 24°	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3305	5,500	33.7"	II	8"	28.4"	97	2.4"	1.0"	8.1"
HN4 3356	5,500	33.7"	II	8"	28.4"	97	2.4"	1.0"	8.1"
HN4 3505	5,500	35.7"	II	8"	32.7"	102	2.4"	1.0"	8.1"
HN4 3556	5,500	35.7"	II	8"	32.7"	102	2.4"	1.0"	8.1"
HN4 3605	5,500	36.0"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3705	5,500	37.5"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 3805	5,500	38.0"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3856	5,500	38.5"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3905	5,500	38.5"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4205	5,500	42.0"	II	8"	35.9"	116	2.4"	1.0"	8.1"
HN4 4256	5,500	42.0"	II	8"	35.9"	116	2.4"	1.0"	8.1"
HN5 3805	6,500	38.0"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3905	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 3856	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 4205	6,500	40.2"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4256	6,500	40.2"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4856	6,500	48.0"	III	8"	42.9"	163	2.6"	1.0"	9.0"
HN6 4205	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4256	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4266	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4766	10,000	47.3"	III	8"	35.5"	264	3.0"	1.3"	10.3"
HN6 4805	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 4856	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 4866	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 5366	10,000	53.3"	III	8"	47.3"	287	3.0"	1.3"	10.3"
HN6 5416	10,000	54.0"	III	8"	47.3"	291	3.0"	1.3"	10.3"
HN6 5966	10,000	59.3"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 6005	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6056	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6066	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN7 4266	15,000	42.0"	IV	8"	35.4"	320	3.3"	1.4"	19.8"
HN7 4766	15,000	47.3"	IV	8"	35.4"	360	3.3"	1.4"	19.8"
HN7 4866	15,000	48.0"	IV	8"	35.4"	366	3.3"	1.4"	19.8"
HN7 5366	15,000	53.3"	IV	8"	35.4"	421	3.3"	1.4"	19.8"
HN7 5466	15,000	54.0"	IV	8"	35.4"	427	3.3"	1.4"	19.8"
HN7 5966	15,000	59.3"	IV	8"	39.4"	462	3.3"	1.4"	19.8"
HN7 6066	15,000	60.0"	IV	8"	39.4"	467	3.3"	1.5"	19.8"
HN7 7266	15,000	72.0"	IV	8"	53.1"	537	3.3"	1.5"	19.7"

Notes:

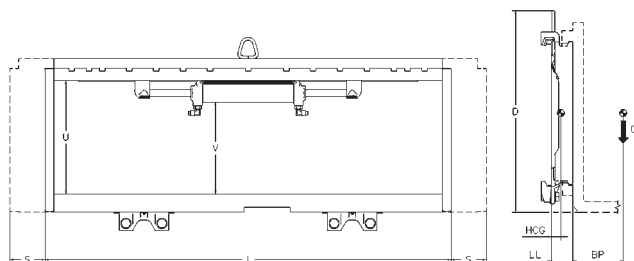
- One hydraulic function.
- In case of carriage with tapered ends, please contact Bolzoni Auramo to check side shift compatibility.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number

determine load backrest drill pattern:
 (05) two bolts per side-face drilled.
 (56 & 66) two bolts per side-face drilled.
 FT series truck.
 (16) two bolts per side-side and drilled.
 • Class IV sideshifters have two bolts per side-side and face drill (allows for use of Bolzoni side drilled load backrest).

- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fern 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

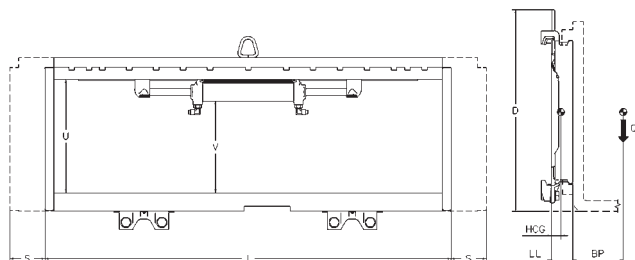
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>	<i>I</i>		<i>S</i>	<i>FL</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
HN4 3107	5,500	31.0"	II	8"	28.4"	93	2.4"	1.0"	8.1"
HN4 3427	5,500	34.6"	II	8"	28.4"	100	2.4"	1.0"	8.1"
HN4 3627	5,500	36.6"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3707	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 4107	5,500	41.0"	II	8"	32.7"	114	2.4"	1.0"	8.1"
HN4 4907	5,500	49.0"	II	8"	37.8"	188	2.6"	1.1"	8.1"
HN4 5307	5,500	53.0"	II	8"	39.2"	200	2.6"	1.1"	8.1"
HN4 6107	5,500	61.0"	II	8"	43.3"	256	2.6"	1.1"	8.6"
HN5 3707	6,500	37.0"	III	8"	29.9"	133	2.6"	1.0"	9.0"
HN5 3827	6,500	37.8"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 4107	6,500	41.0"	III	8"	35.0"	144	2.6"	1.0"	9.0"
HN5 4227	6,500	41.7"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4907	6,500	49.0"	III	8"	42.9"	165	2.6"	1.0"	9.0"
HN5 5307	6,500	53.0"	III	8"	42.9"	175	2.6"	1.0"	9.0"
HN6 4237	10,000	42.1"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4637	10,000	46.8"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 6237	10,000	62.2"	III	8"	47.3"	328	3.0"	1.3"	10.3"
HN6 6837	10,000	68.1"	III	8"	61.0"	397	3.0"	1.3"	11.0"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(07) two bolts per side-side drilled.
(27) two bolts per side-side drilled.
(37) four bolts per side-side drilled.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

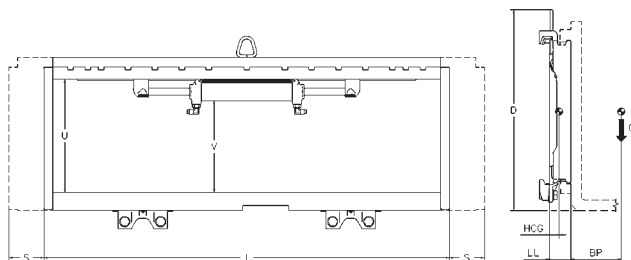
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>	<i>I</i>		<i>S</i>	<i>FL</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
HN4 3801	5,500	38.6"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4001	5,500	40.9"	II	8"	35.9"	114	2.4"	1.0"	8.1"
HN4 4501	5,500	45.3"	II	8"	37.8"	122	2.4"	1.0"	8.1"
HN4 6301	5,500	63.0"	II	8"	45.3"	264	2.6"	1.1"	8.6"
HN5 4301	6,500	43.0"	III	8"	35.0"	150	2.6"	1.0"	9.0"
HN5 4501	6,500	45.3"	III	8"	35.0"	154	2.6"	1.0"	9.0"
HN5 5101	6,500	51.2"	III	8"	42.9"	170	2.6"	1.0"	9.0"
HN6 4301	10,000	43.0"	III	8"	33.5"	242	3.0"	1.3"	10.3"
HN6 4501	10,000	45.3"	III	8"	33.5"	253	3.0"	1.3"	10.3"
HN6 5301	10,000	53.1"	III	8"	35.5"	287	3.0"	1.3"	10.3"
HN6 6301	10,000	63.0"	III	8"	47.3"	331	3.0"	1.3"	10.3"
HN6 6801	10,000	68.9"	III	8"	61.0"	402	3.0"	1.3"	11.0"
HN6 7801	10,000	78.8"	III	8"	61.0"	496	3.0"	1.4"	11.4"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fern 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

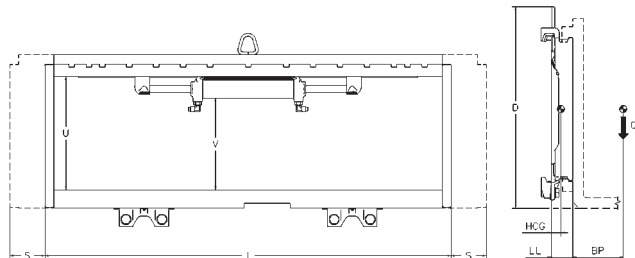
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3208	5,500	32.3"	II	8"	38.4"	96	2.4"	1.0"	8.1"
HN4 3228	5,500	32.3"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3608	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3628	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3908	5,500	39.4"	II	8"	32.7"	110	2.4"	1.0"	8.1"
HN4 3928	5,500	39.4"	II	8"	32.7"	110	2.4"	1.0"	8.1"
HN4 5508	5,500	55.1"	II	8"	41.3"	207	2.6"	1.1"	8.1"
HN4 5528	5,500	55.1"	II	8"	41.3"	207	2.6"	1.1"	8.1"
HN5 3708	6,500	37.8"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3728	6,500	37.8"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3908	6,500	39.4"	III	8"	29.9"	140	2.6"	1.0"	9.0"
HN5 3928	6,500	39.4"	III	8"	29.9"	140	2.6"	1.0"	9.0"
HN6 3908	10,000	39.4"	III	8"	33.5"	227	3.0"	1.3"	10.3"
HN6 3928	10,000	39.4"	III	8"	33.5"	227	3.0"	1.3"	10.3"
HN6 4428	10,000	44.3"	III	8"	33.5"	249	3.0"	1.3"	10.3"
HN6 4608	10,000	46.8"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 4628	10,000	46.8"	III	8"	35.5"	260	3.0"	1.3"	10.3"
HN6 5908	10,000	59.1"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 5928	10,000	59.1"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 7008	10,000	70.9"	III	8"	61.0"	411	3.0"	1.3"	11.0"
HN6 7028	10,000	70.9"	III	8"	61.0"	411	3.0"	1.3"	11.0"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(08) four bolts per side-side drilled.
(28) two bolts per side-side drilled. K-Series.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7


Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

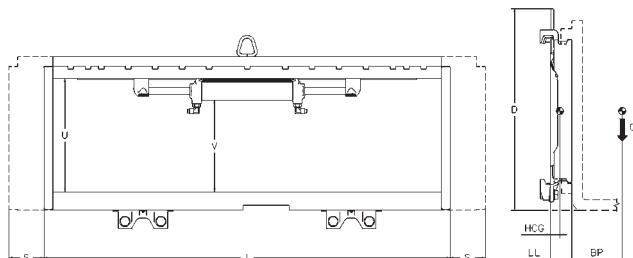
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
Tailift									
HN4 3619	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 4019	5,500	40.3"	II	8"	35.9"	112	2.4"	1.0"	8.1"
HN5 3819	6,500	38.9"	III	8"	29.9"	138	2.6"	1.0"	9.0"
HN5 4519	6,500	45.2"	III	8"	35.0"	154	2.6"	1.0"	9.0"
HN6 4519	10,000	45.2"	III	8"	33.5"	253	3.0"	1.3"	10.3"
HN6 5119	10,000	51.5"	III	8"	35.5"	280	3.0"	1.3"	10.3"
TCM									
HN4 3213	5,500	32.5"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3613	5,500	36.5"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3713	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 3813	5,500	38.0"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4013	5,500	40.9"	II	8"	35.9"	114	2.4"	1.0"	8.1"
HN4 5813	5,500	58.3"	II	8"	44.5"	216	2.6"	1.1"	8.1"
HN5 4013	6,500	40.9"	III	8"	35.0"	144	2.6"	1.0"	9.0"
HN5 4313	6,500	43.3"	III	8"	35.0"	150	2.6"	1.0"	9.0"
HN5 4713	6,500	47.6"	III	8"	42.9"	163	2.6"	1.0"	9.0"
HN6 4313	10,000	43.3"	III	8"	33.5"	244	3.0"	1.3"	10.3"
HN6 4713	10,000	47.6"	III	8"	35.5"	263	3.0"	1.3"	10.3"
HN6 5113	10,000	51.2"	III	8"	35.5"	278	3.0"	1.3"	10.3"
HN6 6113	10,000	61.4"	III	8"	47.3"	325	3.0"	1.3"	10.3"
HN6 6613	10,000	66.9"	III	8"	61.0"	392	3.0"	1.3"	11.0"
HN6 7113	10,000	71.3"	III	8"	61.0"	413	3.0"	1.3"	11.0"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

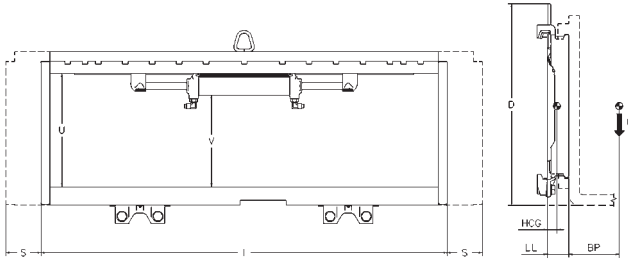
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3214	5,500	32.0"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3224	5,500	32.0"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3614	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3624	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3714	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 3724	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 3824	5,500	38.2"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4014	5,500	40.2"	II	8"	35.9"	112	2.4"	1.0"	8.1"
HN4 4024	5,500	40.2"	II	8"	35.9"	112	2.4"	1.0"	8.1"
HN4 4114	5,500	41.0"	II	8"	35.9"	114	2.4"	1.0"	8.1"
HN4 4624	5,500	46.1"	II	8"	37.8"	178	2.4"	1.0"	8.1"
HN4 5214	5,500	52.0"	II	8"	38.2"	197	2.6"	1.1"	8.1"
HN4 5224	5,500	52.0"	II	8"	38.2"	197	2.6"	1.1"	8.1"
HN4 5814	5,500	57.9"	II	8"	44.1"	215	2.6"	1.1"	8.1"
HN4 5824	5,500	57.9"	II	8"	44.1"	215	2.6"	1.1"	8.1"
HN5 3814	6,500	38.2"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 3824	6,500	38.2"	III	8"	29.9"	135	2.6"	1.0"	9.0"
HN5 4014	6,500	40.2"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4214	6,500	42.1"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4224	6,500	42.1"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4624	6,500	46.1"	III	8"	42.9"	156	2.6"	1.0"	9.0"
HN5 5214	6,500	52.0"	III	8"	42.9"	172	2.6"	1.0"	9.0"
HN6 4214	10,000	42.9"	III	8"	33.5"	242	3.0"	1.3"	10.3"
HN6 4224	10,000	42.9"	III	8"	33.5"	242	3.0"	1.3"	10.3"
HN6 4614	10,000	46.1"	III	8"	35.5"	256	3.0"	1.3"	10.3"
HN6 4624	10,000	46.1"	III	8"	35.5"	256	3.0"	1.3"	10.3"
HN6 5214	10,000	52.0"	III	8"	37.1"	282	3.0"	1.3"	10.3"
HN6 5714	10,000	57.9"	III	8"	47.3"	313	3.0"	1.3"	10.3"
HN6 5724	10,000	57.9"	III	8"	47.3"	313	3.0"	1.3"	10.3"
HN6 6414	10,000	64.2"	III	8"	48.5"	337	3.0"	1.3"	10.3"
HN6 6424	10,000	64.2"	III	8"	47.2"	337	3.0"	1.3"	10.3"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(14) four bolts per side-side drilled.
(24) two bolts per side-side drilled. 6, 7 and 8 series trucks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

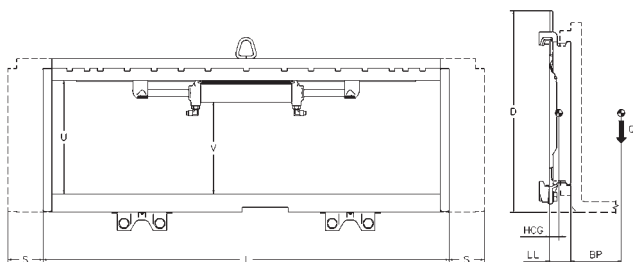
Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q	I		S	FL	W	LL	HCG	VCG
HN4 3129	5,500	31.0"	II	8"	28.4"	93	2.4"	1.0"	8.1"
HN4 3209	5,500	32.4"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3239	5,500	32.4"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3609	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3639	5,500	36.2"	II	8"	32.7"	104	2.4"	1.0"	8.1"
HN4 3729	5,500	37.0"	II	8"	32.7"	106	2.4"	1.0"	8.1"
HN4 4009	5,500	40.1"	II	8"	32.7"	112	2.4"	1.0"	8.1"
HN4 4039	5,500	40.1"	II	8"	32.7"	112	2.4"	1.0"	8.1"
HN4 4129	5,500	41.0"	II	8"	35.9"	114	2.4"	1.0"	8.1"
HN4 4929	5,500	49.0"	II	8"	37.8"	188	2.6"	1.1"	8.1"
HN4 5209	5,500	52.6"	II	8"	38.8"	199	2.6"	1.1"	8.1"
HN4 5239	5,500	52.6"	II	8"	38.8"	199	2.6"	1.1"	8.1"
HN5 3609	6,500	36.2"	III	8"	29.9"	132	2.6"	1.0"	9.0"
HN5 3729	6,500	37.0"	III	8"	29.9"	133	2.6"	1.0"	9.0"
HN5 3809	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 4009	6,500	40.1"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4039	6,500	40.1"	III	8"	35.0"	142	2.6"	1.0"	9.0"
HN5 4129	6,500	41.0"	III	8"	35.0"	144	2.6"	1.0"	9.0"
HN5 4929	6,500	49.0"	III	8"	42.9"	165	2.6"	1.0"	9.0"
HN5 5209	6,500	52.6"	III	8"	42.9"	173	2.6"	1.0"	9.0"
HN5 5239	6,500	52.6"	III	8"	42.9"	173	2.6"	1.0"	9.0"
HN6 3939	10,000	39.4"	III	8"	33.5"	227	2.8"	1.3"	12.0"
HN6 4009	10,000	40.1"	III	8"	33.5"	230	3.0"	1.3"	10.3"
HN6 4039	10,000	40.1"	III	8"	33.5"	230	3.0"	1.3"	10.3"
HN6 4709	10,000	47.1"	III	8"	35.5"	262	3.0"	1.3"	10.3"
HN6 4739	10,000	47.1"	III	8"	35.5"	262	3.0"	1.3"	10.3"
HN6 5139	10,000	51.2"	III	8"	35.5"	278	2.8"	1.3"	12.0"
HN6 5239	10,000	52.6"	III	8"	35.5"	282	3.0"	1.3"	10.3"
HN6 5509	10,000	55.4"	III	8"	47.3"	299	3.0"	1.3"	10.3"
HN6 7009	10,000	70.9"	III	8"	61.0"	411	3.0"	1.3"	11.0"

Notes:

- One hydraulic function.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(09) four bolts per side-side drilled.
(29) two bolts per side-side drilled.
(39) two bolts per side-side drilled. Platinum Series.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7



Range: 5,500 - 15,000 Lbs.

Features:

- Easy mount, no welding, drilling or tapping required.
- Full-width extruded top hook and carriage bar.
- Lower and upper pads with greaser.
- High-pressure cylinder.
- Predrilled for OEM load backrest.
- Extremely reduced weight and thickness.
- Adjustable lower hooks.

Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>	<i>I</i>		<i>S</i>	<i>FL</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
HN4 3216	5,500	32.5"	II	8"	28.4"	96	2.4"	1.0"	8.1"
HN4 3336	5,500	33.7"	II	8"	28.4"	97	2.4"	1.0"	8.1"
HN4 3356	5,500	33.7"	II	8"	28.4"	97	2.4"	1.0"	8.1"
HN4 3556	5,500	35.7"	II	8"	32.7"	102	2.4"	1.0"	8.1"
HN4 3636	5,500	35.7"	II	8"	32.7"	102	2.4"	1.0"	8.1"
HN4 3816	5,500	38.5"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3836	5,500	38.5"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3856	5,500	38.5"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 3916	5,500	39.0"	II	8"	32.7"	109	2.4"	1.0"	8.1"
HN4 4216	5,500	42.0"	II	8"	35.9"	116	2.4"	1.0"	8.1"
HN4 4236	5,500	42.0"	II	8"	35.9"	116	2.4"	1.0"	8.1"
HN4 4256	5,500	42.0"	II	8"	35.9"	116	2.4"	1.0"	8.1"
HN5 3816	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 3836	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 3856	6,500	38.5"	III	8"	29.9"	136	2.6"	1.0"	9.0"
HN5 3916	6,500	39.0"	III	8"	29.9"	138	2.6"	1.0"	9.0"
HN5 4216	6,500	42.0"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4236	6,500	42.0"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4256	6,500	42.0"	III	8"	35.0"	145	2.6"	1.0"	9.0"
HN5 4816	6,500	48.0"	III	8"	42.9"	163	2.6"	1.0"	9.0"
HN5 4856	6,500	48.0"	III	8"	42.9"	163	2.6"	1.0"	9.0"
HN6 4216	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4236	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4256	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4266	10,000	42.0"	III	8"	33.5"	237	3.0"	1.3"	10.3"
HN6 4766	10,000	47.3"	III	8"	35.5"	264	3.0"	1.3"	10.3"
HN6 4816	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 4836	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 4856	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 4866	10,000	48.0"	III	8"	35.5"	265	3.0"	1.3"	10.3"
HN6 5366	10,000	53.3"	III	8"	47.3"	287	3.0"	1.3"	10.3"
HN6 5416	10,000	54.0"	III	8"	47.3"	291	3.0"	1.3"	10.3"
HN6 5966	10,000	59.3"	III	8"	47.3"	315	3.0"	1.3"	10.3"
HN6 6016	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6036	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6056	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"
HN6 6066	10,000	60.0"	III	8"	47.3"	319	3.0"	1.3"	10.3"

Model	Capacity Lbs. @ 24"	Carriage Width	Mounting Class	Total Sideshift Stroke	Minimum Truck Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>	<i>I</i>		<i>S</i>	<i>FL</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
HN7 4266	15,000	42.0"	IV	8"	35.4"	320	3.3"	1.4"	19.8"
HN7 4766	15,000	47.3"	IV	8"	35.4"	360	3.3"	1.4"	19.8"
HN7 4866	15,000	48.0"	IV	8"	35.4"	366	3.3"	1.4"	19.8"
HN7 5366	15,000	53.3"	IV	8"	35.4"	421	3.3"	1.4"	19.8"
HN7 5466	15,000	54.0"	IV	8"	35.4"	427	3.3"	1.4"	19.8"
HN7 5966	15,000	59.3"	IV	8"	39.4"	462	3.3"	1.4"	19.8"
HN7 6066	15,000	60.0"	IV	8"	39.4"	467	3.3"	1.5"	19.8"
HN7 7266	15,000	72.0"	IV	8"	53.1"	537	3.3"	1.5"	19.7"

Notes:

- One hydraulic function.
- Class IV sideshifters have two bolts per side-side and face drill.
- In case of carriage with tapered ends, please contact Bolzoni Auramo to check side shift compatibility.
- Freight is prepaid for single shipments of 5 or more sideshifters - any mix of size and type. Continental USA only.
- Last two digits in the model number determine load backrest drill pattern:
(16) two bolts per side-side drilled
(36) two bolts per side-side drilled.
(56 & 66) two bolts per side-face drilled. VX series truck.
- Class IV sideshifters have two bolts per side-side and face drill (allows for use of Bolzoni side drilled load backrest).
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of sideshifters against these requirements.

Options:

- **Central camera and laser** (only for Fem 2/3) - see page 14-7

02

Oil flow rate recommendations

Model	Oil Flow Rate, Sideshifter		
	Minimum GPM	Recommended GPM	Maximum GPM
Sideshifters			
HN 4-5	1	3	4
HN 6	2	3	5
HN 7	2	3	4

Hydraulic functions and hydraulic pressure recommendations

Model	Sideshifting Pressure		Hydraulic Functions
	Minimum PSI	Maximum PSI	
Sideshifters			
HN 4-5	1,700	3,100	1
HN 6	1,700	3,100	1
HN 7	1,000	3,060	1

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Quick-Change ITA Lower Mounting Hooks

Available for Bolzoni Auramo sideshifters, the lower quick disconnect hooks can be manually opened.

Mounting Class

II
III

Load Backrests for Sideshifters

Load backrest protects the load and driver. Given heights are measured from ground. Two holes per side drill.

Mounting Class Height Wide

II & III	48"	up to 48"
II & III	48"	48.1" to 61"
II & III	48"	61.1" to 72"
II & III	48"	72.1" to 79"

Load Backrests for Sideshifters

Load backrest protects the load and driver. Given heights are measured from ground.

Mounting Class Height Wide

IV	48"	up to 48"
IV	48"	48.1" to 61"
IV	48"	61.1" to 72"

Forks

Bolzoni Auramo is supplying high quality forks. Ask for ready to ship availability forks.

Bronze Bushings Upper and Lower

Mounting Class

II
III
IV

Maximum Sideshift Widths

Mounting Class Model Wide

II	HN4	63.0"
III	HN5	53.1"
III	HN6	78.7"
IV	HN7	94.5"

Hydraulic Options

Installation kit

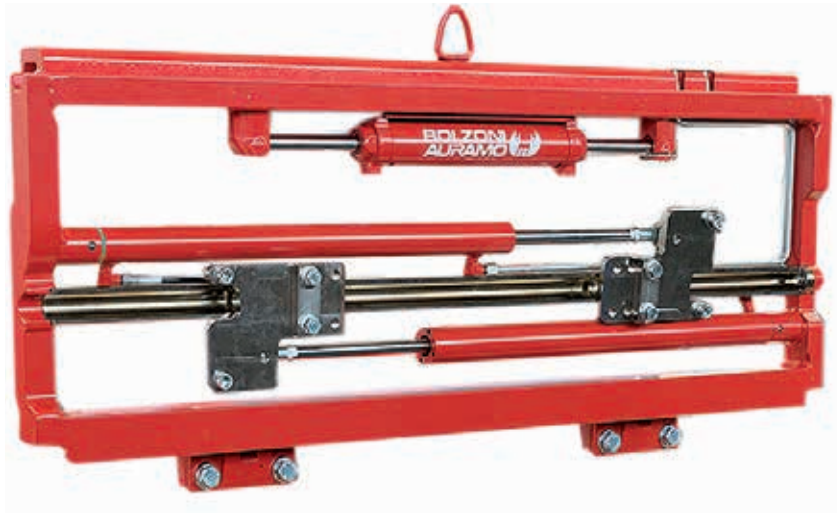
(Connection hoses)

Function Number

Single Function	HJL-6-S-22
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NOTES

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Fork Positioners, Sideshifting

Models MZ - Bolzoni Auramo	3-1
Models MZ - Caterpillar	3-2
Models MZ - Clark	3-3
Models MZ - Crown	3-4
Models MZ - Doosan	3-5
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Models MZ - Tailift	3-13
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Models MZ - Toyota	3-15
Models MZ - UniCarriers	3-16
Models MZ - Yale	3-17

Fork Positioners with Fork Carriers

Models FR - (<i>Sideshifting</i>)	3-19
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Fork Positioners with Bar Mounted Fork Carriers

Models FFP (<i>Sideshifting</i>)	3-20
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Fork Positioners, Heavy-Duty, with Bar Mounted Fork Carriers

Models SG-A (<i>Sideshifting</i>)	3-21
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Wide Opening Fork Positioners, with Fork Carriers

Models LB / LS	3-22
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360° Rotating Fork Positioners with Bolted Forks

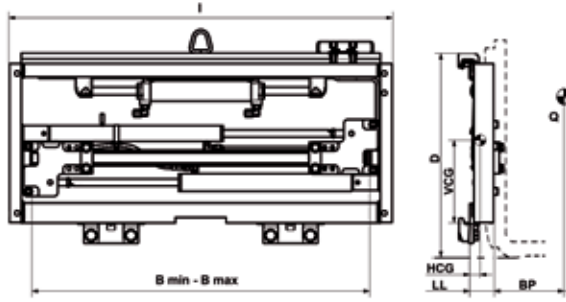
Models RP	3-23
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Technical Information	3-24
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Accessories and Options	3-25
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03





Range: 5,500 - 15,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

03

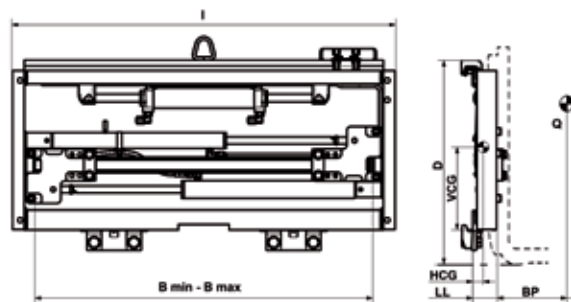
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3120	5,500	II	12.4"	26.9"	31.0"	28.4"	8"	22.2"	5.0"	117	2.4"	1.0"	8.1"
MZ4 3720	5,500	II	12.4"	32.9"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 4120	5,500	II	12.4"	36.9"	41.0"	35.8"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4920	5,500	II	12.4"	44.9"	49.0"	37.8"	8"	22.2"	5.0"	186	2.6"	1.1"	8.1"
MZ5 3720	6,500	III	12.4"	32.9"	37.0"	29.9"	8"	26.6"	5.0"	164	2.6"	1.0"	9.0"
MZ5 4120	6,500	III	12.4"	36.9"	41.0"	35.0"	8"	26.6"	5.0"	182	2.6"	1.0"	9.0"
MZ5 4920	6,500	III	12.4"	44.9"	49.0"	42.9"	8"	26.6"	5.0"	217	2.6"	1.0"	9.0"
MZ6 4120	10,000	III	15.4"	35.9"	41.0"	33.5"	8"	27.2"	6.0"	305	3.0"	1.4"	10.0"
MZ6 4920	10,000	III	15.4"	44.0"	49.0"	33.5"	8"	27.2"	6.0"	344	3.0"	1.4"	10.0"
MZ6 5520	10,000	III	15.4"	50.0"	55.1"	47.3"	8"	30.1"	6.0"	376	3.0"	1.4"	10.0"
MZ6 6120	10,000	III	15.4"	56.0"	61.0"	47.3"	8"	30.1"	6.0"	403	3.0"	1.4"	10.1"
MZ7R 4216	12,000	IV	15.4"	36.3"	42.0"	35.4"	8"	29.1"	6.0"	406	3.3"	1.5"	19.7"
MZ7R 4316	12,000	IV	15.4"	37.5"	43.3"	35.4"	8"	29.1"	6.0"	412	3.3"	1.5"	19.7"
MZ7R 4716	12,000	IV	15.4"	41.4"	47.3"	35.4"	8"	29.1"	6.0"	434	3.3"	1.5"	19.7"
MZ7R 4816	12,000	IV	15.4"	42.2"	48.0"	35.4"	8"	29.1"	6.0"	439	3.3"	1.5"	19.7"
MZ7R 5316	12,000	IV	15.4"	47.3"	53.3"	35.4"	8"	29.1"	6.0"	467	3.3"	1.5"	19.7"
MZ7R 5416	12,000	IV	15.4"	48.1"	54.0"	35.4"	8"	29.1"	6.0"	472	3.3"	1.5"	19.7"
MZ7R 5916	12,000	IV	15.4"	53.2"	59.1"	36.6"	8"	29.1"	6.0"	509	3.3"	1.6"	19.7"
MZ7R 6016	12,000	IV	15.4"	54.2"	60.0"	39.4"	8"	29.1"	6.0"	516	3.3"	1.6"	19.7"
MZ7R 6116	12,000	IV	15.4"	55.2"	61.0"	39.4"	8"	29.1"	6.0"	520	3.3"	1.6"	19.7"
MZ7 4216	15,000	IV	19.1"	35.5"	42.0"	35.4"	8"	29.1"	8.0"	443	3.3"	1.3"	19.8"
MZ7 4316	15,000	IV	19.1"	36.7"	43.3"	35.4"	8"	29.1"	8.0"	450	3.3"	1.3"	19.8"
MZ7 4716	15,000	IV	19.1"	40.6"	47.3"	35.4"	8"	29.1"	8.0"	474	3.3"	1.4"	19.8"
MZ7 4816	15,000	IV	19.1"	41.4"	48.0"	35.4"	8"	29.1"	8.0"	478	3.3"	1.4"	19.8"
MZ7 5316	15,000	IV	19.1"	46.5"	53.3"	35.4"	8"	29.1"	8.0"	509	3.3"	1.4"	19.8"
MZ7 5416	15,000	IV	19.1"	47.3"	54.0"	35.4"	8"	29.1"	8.0"	514	3.3"	1.4"	19.8"
MZ7 5916	15,000	IV	19.1"	52.4"	59.1"	36.6"	8"	29.1"	8.0"	553	3.3"	1.4"	19.8"
MZ7 6016	15,000	IV	19.1"	53.4"	60.0"	39.4"	8"	29.1"	8.0"	558	3.3"	1.4"	19.8"
MZ7 6116	15,000	IV	19.1"	54.4"	61.0"	39.4"	8"	29.1"	8.0"	567	3.3"	1.4"	19.8"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6-MZ7R accepted fork width 4", 5" and 6".
- MZ7 accepted fork width 6", 7" and 8".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(20) two bolts per side-side drilled

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3242	5,500	II	12.4"	27.8"	32.3"	28.4"	8"	22.2"	5.0"	122	2.4"	1.0"	8.1"
MZ4 3252	5,500	II	12.4"	27.8"	32.3"	28.4"	8"	22.2"	5.0"	122	2.4"	1.0"	8.1"
MZ4 3642	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3652	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3802	5,500	II	12.4"	33.8"	38.3"	32.7"	8"	22.2"	5.0"	145	2.4"	1.0"	8.1"
MZ4 3862	5,500	II	12.4"	34.1"	38.6"	28.4"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 3942	5,500	II	12.4"	34.9"	39.4"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ4 3952	5,500	II	12.4"	34.9"	39.4"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ4 4302	5,500	II	12.4"	38.9"	43.4"	37.8"	8"	22.2"	5.0"	164	2.4"	1.0"	8.1"
MZ4 4462	5,500	II	12.4"	39.9"	44.1"	37.8"	8"	22.2"	5.0"	167	2.4"	1.0"	8.1"
MZ5 3742	6,500	III	12.4"	33.3"	37.8"	29.9"	8"	26.6"	5.0"	167	2.6"	1.0"	9.0"
MZ5 3752	6,500	III	12.4"	33.3"	37.8"	29.9"	8"	26.6"	5.0"	167	2.6"	1.0"	9.0"
MZ5 3942	6,500	III	12.4"	34.9"	39.4"	29.9"	8"	26.6"	5.0"	175	2.6"	1.0"	9.0"
MZ5 3952	6,500	III	12.4"	34.9"	39.4"	29.9"	8"	26.6"	5.0"	175	2.6"	1.0"	9.0"
MZ5 4002	6,500	III	12.4"	35.8"	40.3"	35.0"	8"	26.6"	5.0"	179	2.6"	1.0"	9.0"
MZ5 4102	6,500	III	12.4"	37.0"	41.5"	35.0"	8"	26.6"	5.0"	184	2.6"	1.0"	9.0"
MZ5 4302	6,500	III	12.4"	39.4"	43.9"	35.0"	8"	26.6"	5.0"	194	2.6"	1.0"	9.0"
MZ5 4702	6,500	III	12.4"	43.3"	47.8"	42.9"	8"	26.6"	5.0"	212	2.6"	1.0"	9.0"
MZ6 3952	10,000	III	15.4"	34.3"	39.4"	33.5"	8"	27.2"	6.0"	297	3.0"	1.4"	10.0"
MZ6 4102	10,000	III	15.4"	36.5"	41.5"	33.5"	8"	27.2"	6.0"	307	3.0"	1.4"	10.0"
MZ6 4402	10,000	III	15.4"	39.3"	44.3"	33.5"	8"	27.2"	6.0"	321	3.0"	1.4"	10.0"
MZ6 4442	10,000	III	15.4"	39.3"	44.3"	33.5"	8"	27.2"	6.0"	321	3.0"	1.4"	10.0"
MZ6 4642	10,000	III	15.4"	41.8"	46.8"	35.5"	8"	27.2"	6.0"	333	3.0"	1.4"	10.0"
MZ6 4652	10,000	III	15.4"	41.8"	46.8"	35.5"	8"	27.2"	6.0"	333	3.0"	1.4"	10.0"
MZ6 4702	10,000	III	15.4"	42.8"	47.8"	35.5"	8"	27.2"	6.0"	338	3.0"	1.4"	10.0"
MZ6 5942	10,000	III	15.4"	54.0"	59.1"	47.3"	8"	30.1"	6.0"	394	3.0"	1.4"	10.1"
MZ6 5952	10,000	III	15.4"	54.0"	59.1"	47.3"	8"	30.1"	6.0"	394	3.0"	1.4"	10.1"
MZ6 6002	10,000	III	15.4"	55.0"	60.0"	47.3"	8"	30.1"	6.0"	398	3.0"	1.4"	10.1"

Notes:

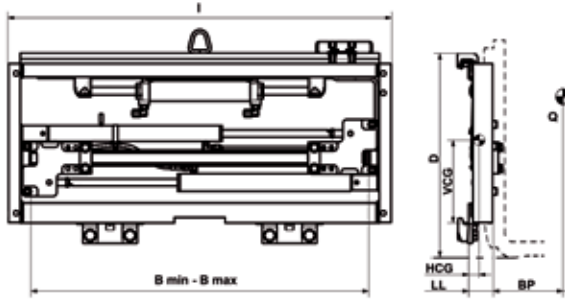
- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you

check your use of the fork positioner for these requirements.

- Last two digits in the model number determine load backrest drill pattern: (02) two bolts per side-side drilled. Please, specify truck model. (42) four bolts per side-side drilled. (52) two bolts per side-side drilled. (62) one bolt per side-face drilled.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

03

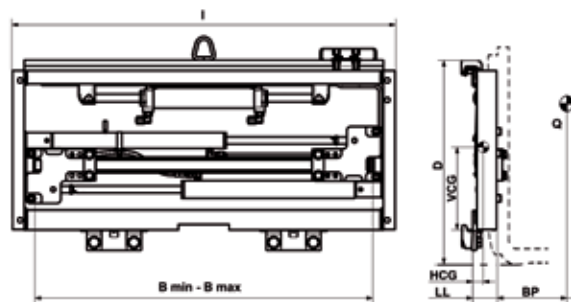
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3103	5,500	II	12.4"	26.5"	31.0"	28.4"	8"	22.2"	5.0"	117	2.4"	1.0"	8.1"
MZ4 3703	5,500	II	12.4"	32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 4103	5,500	II	12.4"	36.5"	41.0"	35.8"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4403	5,500	II	12.4"	40.4"	44.9"	37.8"	8"	22.2"	5.0"	170	2.4"	1.0"	8.1"
MZ4 4903	5,500	II	12.4"	44.5"	49.0"	37.8"	8"	22.2"	5.0"	186	2.6"	1.1"	8.1"
MZ5 3703	6,500	III	12.4"	32.5"	37.0"	29.9"	8"	26.6"	5.0"	164	2.6"	1.0"	9.0"
MZ5 4103	6,500	III	12.4"	36.5"	41.0"	35.0"	8"	26.6"	5.0"	178	2.6"	1.0"	9.0"
MZ5 4403	6,500	III	12.4"	40.4"	44.9"	35.0"	8"	26.6"	5.0"	199	2.6"	1.0"	9.0"
MZ5 4903	6,500	III	12.4"	44.5"	49.0"	42.9"	8"	26.6"	5.0"	217	2.6"	1.0"	9.0"
MZ6 4103	10,000	III	15.4"	35.9"	41.0"	33.5"	8"	27.2"	6.0"	305	3.0"	1.4"	10.0"
MZ6 4903	10,000	III	15.4"	44.0"	49.0"	35.5"	8"	27.2"	6.0"	344	3.0"	1.4"	10.0"
MZ6 6103	10,000	III	15.4"	56.0"	61.0"	47.3"	8"	30.1"	6.0"	403	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 6,500 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

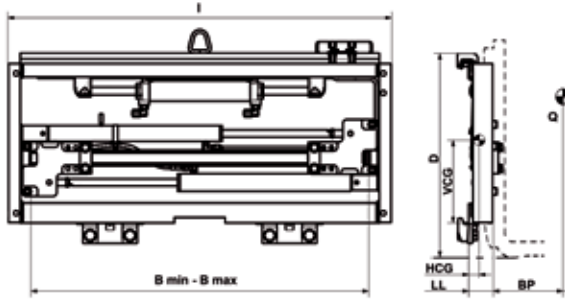
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3104	5,500	II	12.4" 26.5"	31.0"	28.4"	8"	22.2"	5.0"	122	2.4"	1.0"	8.1"
MZ4 3404	5,500	II	12.4" 30.0"	34.5"	28.4"	8"	22.2"	5.0"	136	2.4"	1.0"	8.1"
MZ4 3454	5,500	II	12.4" 29.8"	34.3"	28.4"	8"	22.2"	5.0"	135	2.4"	1.0"	8.1"
MZ4 3754	5,500	II	12.4" 33.3"	37.8"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ4 3804	5,500	II	12.4" 33.5"	38.0"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ4 4354	5,500	II	12.4" 39.2"	43.7"	37.8"	8"	22.2"	5.0"	172	2.4"	1.0"	8.1"
MZ4 4404	5,500	II	12.4" 39.5"	44.0"	37.8"	8"	22.2"	5.0"	173	2.4"	1.0"	8.1"
MZ5 3804	6,500	III	12.4" 33.5"	38.0"	29.9"	8"	26.6"	5.0"	168	2.6"	1.0"	9.0"
MZ5 4404	6,500	III	12.4" 39.5"	44.0"	35.0"	8"	26.6"	5.0"	195	2.6"	1.0"	9.0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(04) Two bolts per side-side drilled
(54) Two bolts per side-side drilled

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

03

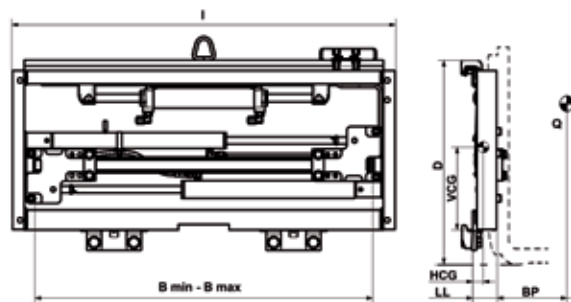
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3821	5,500	II	12,4"	33,8"	38,3"	32,7"	8"	22,2"	5,0"	145	2,4"	1,0"	8,1"
MZ4 4321	5,500	II	12,4"	38,9"	43,4"	37,8"	8"	22,2"	5,0"	164	2,4"	1,0"	8,1"
MZ5 4021	6,500	III	12,4"	35,9"	40,4"	35,0"	8"	26,6"	5,0"	179	2,6"	1,0"	9,0"
MZ5 4321	6,500	III	12,4"	39,4"	43,9"	35,0"	8"	26,6"	5,0"	194	2,6"	1,0"	9,0"
MZ6 4721	10,000	III	15,4"	42,8"	47,8"	35,5"	8"	27,2"	6,0"	338	3,0"	1,4"	10,0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

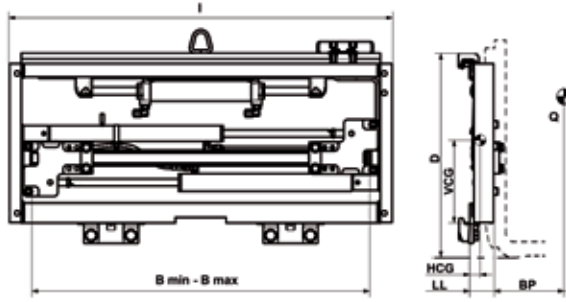
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ 4 3623	5,500	II	12.4"	31.9"	36.4"	32.7"	8"	22.2"	5.0"	138	2.4"	1.0"	8.1"
MZ 4 3823	5,500	II	12.4"	33.7"	38.2"	32.7"	8"	22.2"	5.0"	145	2.4"	1.0"	8.1"
MZ 4 4023	5,500	II	12.4"	36.4"	40.9"	35.9"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ 5 4323	6,500	III	12.4"	38.8"	43.3"	35.0"	8"	26.6"	5.0"	192	2.6"	1.0"	9.0"
MZ 6 5423	10,000	III	15.4"	49.3"	54.3"	47.3"	8"	30.1"	6.0"	370	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

03

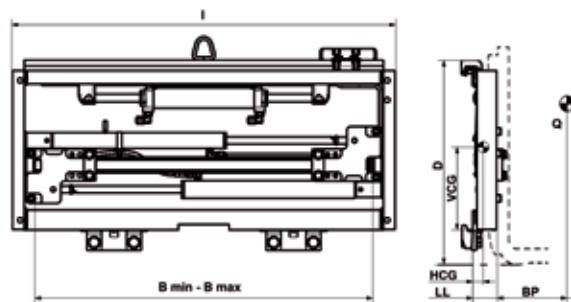
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3418	5,500	II	12.4"	30.4"	34.9"	28.4"	8"	22.2"	5.0"	132	2.4"	1.0"	8.1"
MZ4 3818	5,500	II	12.4"	34.1"	38.6"	28.4"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 4018	5,500	II	12.4"	35.7"	40.2"	32.7"	8"	22.2"	5.0"	152	2.4"	1.0"	8.1"
MZ5 4018	6,500	III	12.4"	35.7"	40.2"	35.0"	8"	26.6"	5.0"	178	2.6"	1.0"	9.0"
MZ5 4118	6,500	III	12.4"	37.2"	41.7"	35.0"	8"	26.6"	5.0"	185	2.6"	1.0"	9.0"
MZ6 4618	10,000	III	15.4"	41.8"	46.9"	35.5"	8"	27.2"	6.0"	334	3.0"	1.4"	10.0"
MZ6 5518	10,000	III	15.4"	50.1"	55.1"	47.3"	8"	30.1"	6.0"	374	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 15,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3305	5,500	II	12.4"	29.2"	33.7"	28.4"	8"	22.2"	5.0"	128	2.4"	1.0"	8.1"
MZ4 3356	5,500	II	12.4"	29.2"	33.7"	28.4"	8"	22.2"	5.0"	128	2.4"	1.0"	8.1"
MZ4 3505	5,500	II	12.4"	31.2"	35.7"	32.7"	8"	22.2"	5.0"	135	2.4"	1.0"	8.1"
MZ4 3556	5,500	II	12.4"	31.2"	35.7"	32.7"	8"	22.2"	5.0"	135	2.4"	1.0"	8.1"
MZ4 3605	5,500	II	12.4"	31.5"	36.0"	32.7"	8"	22.2"	5.0"	136	2.4"	1.0"	8.1"
MZ4 3705	5,500	II	12.4"	33.0"	37.5"	32.7"	8"	22.2"	5.0"	142	2.4"	1.0"	8.1"
MZ4 3805	5,500	II	12.4"	33.5"	38.0"	32.7"	8"	22.2"	5.0"	144	2.4"	1.0"	8.1"
MZ4 3856	5,500	II	12.4"	34.0"	38.5"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 3905	5,500	II	12.4"	34.0"	38.5"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 4205	5,500	II	12.4"	37.5"	42.0"	35.9"	8"	22.2"	5.0"	159	2.4"	1.0"	8.1"
MZ4 4256	5,500	II	12.4"	37.5"	42.0"	35.9"	8"	22.2"	5.0"	159	2.4"	1.0"	8.1"
MZ5 3805	6,500	III	12.4"	33.5"	38.0"	29.9"	8"	26.6"	5.0"	168	2.6"	1.0"	9.0"
MZ5 3905	6,500	III	12.4"	34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 3856	6,500	III	12.4"	34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 4205	6,500	III	12.4"	37.5"	42.0"	35.0"	8"	26.6"	5.0"	186	2.6"	1.0"	9.0"
MZ5 4256	6,500	III	12.4"	37.5"	42.0"	35.0"	8"	26.6"	5.0"	186	2.6"	1.0"	9.0"
MZ5 4856	6,500	III	12.4"	43.5"	48.0"	42.9"	8"	26.6"	5.0"	213	2.6"	1.0"	9.0"
MZ6 4205	10,000	III	15.4"	36.3"	42.0"	33.5"	8"	27.2"	6"	310	3.0"	1.4"	10.0"
MZ6 4266	10,000	III	15.4"	36.3"	42.0"	33.5"	8"	27.2"	6"	310	3.0"	1.4"	10.0"
MZ6 4766	10,000	III	15.4"	42.2"	47.3"	35.5"	8"	27.2"	6"	336	3.0"	1.4"	10.0"
MZ6 4805	10,000	III	15.4"	42.2"	48.0"	35.5"	8"	27.2"	6"	339	3.0"	1.4"	10.0"
MZ6 4866	10,000	III	15.4"	42.2"	48.0"	35.5"	8"	27.2"	6"	339	3.0"	1.4"	10.0"
MZ6 5366	10,000	III	15.4"	48.3"	53.3"	47.3"	8"	30.1"	6"	365	3.0"	1.4"	10.1"
MZ6 5416	10,000	III	15.4"	48.9"	54.0"	47.3"	8"	30.1"	6"	369	3.0"	1.4"	10.1"
MZ6 5466	10,000	III	15.4"	48.9"	54.0"	47.3"	8"	30.1"	6"	369	3.0"	1.4"	10.1"
MZ6 5966	10,000	III	15.4"	54.2"	59.3"	47.3"	8"	30.1"	6"	395	3.0"	1.4"	10.1"
MZ6 6005	10,000	III	15.4"	54.2"	60.0"	47.3"	8"	30.1"	6"	398	3.0"	1.4"	10.1"
MZ6 6066	10,000	III	15.4"	54.2"	60.0"	47.3"	8"	30.1"	6"	398	3.0"	1.4"	10.1"

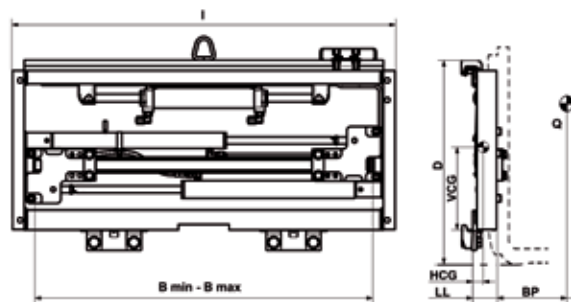
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>		<i>B min</i>	<i>B max</i>	<i>I</i>	<i>FL</i>	<i>S</i>	<i>D</i>	<i>A</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
MZ7R 4266	12,000	IV	15.4"	36.3"	42.0"	35.4"	8"	29.1"	6.0"	406	3.3"	1.5"	19.7"
MZ7R 4766	12,000	IV	15.4"	41.4"	47.3"	35.4"	8"	29.1"	6.0"	434	3.3"	1.5"	19.7"
MZ7R 4866	12,000	IV	15.4"	42.2"	48.0"	35.4"	8"	29.1"	6.0"	439	3.3"	1.5"	19.7"
MZ7R 5366	12,000	IV	15.4"	47.3"	53.3"	35.4"	8"	29.1"	6.0"	467	3.3"	1.5"	19.7"
MZ7R 5466	12,000	IV	15.4"	48.1"	54.0"	35.4"	8"	29.1"	6.0"	472	3.3"	1.5"	19.7"
MZ7R 5966	12,000	IV	15.4"	53.2"	59.1"	36.6"	8"	29.1"	6.0"	509	3.3"	1.6"	19.7"
MZ7R 6066	12,000	IV	15.4"	54.2"	60.0"	39.4"	8"	29.1"	6.0"	516	3.3"	1.6"	19.7"
MZ7 4266	15,000	IV	19.1"	35.5"	42.0"	35.4"	8"	29.1"	8.0"	443	3.3"	1.3"	19.8"
MZ7 4766	15,000	IV	19.1"	40.6"	47.3"	35.4"	8"	29.1"	8.0"	474	3.3"	1.4"	19.8"
MZ7 4866	15,000	IV	19.1"	41.4"	48.0"	35.4"	8"	29.1"	8.0"	478	3.3"	1.4"	19.8"
MZ7 5366	15,000	IV	19.1"	46.5"	53.3"	35.4"	8"	29.1"	8.0"	509	3.3"	1.4"	19.8"
MZ7 5466	15,000	IV	19.1"	47.3"	54.0"	35.4"	8"	29.1"	8.0"	514	3.3"	1.4"	19.8"
MZ7 5966	15,000	IV	19.1"	52.4"	59.1"	36.6"	8"	29.1"	8.0"	553	3.3"	1.4"	19.8"
MZ7 6066	15,000	IV	19.1"	53.4"	60.0"	39.4"	8"	29.1"	8.0"	558	3.3"	1.4"	19.8"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6-MZ7R accepted fork width 4", 5" and 6".
- MZ7 accepted fork width 6", 7" and 8".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
 (05) two bolts per side-face drilled.
 (56 & 66) two bolts per side-face drilled. FT series truck.
 (16) two bolts per side-side and drilled.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

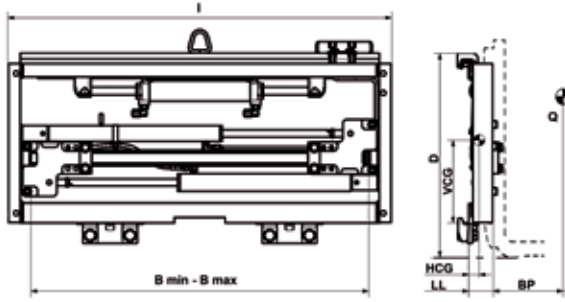
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3107	5,500	II	12.4"	26.5"	31.0"	28.4"	8"	22.2"	5.0"	117	2.4"	1.0"	8.1"
MZ4 3427	5,500	II	12.4"	30.1"	34.6"	28.4"	8"	22.2"	5.0"	131	2.4"	1.0"	8.1"
MZ4 3627	5,500	II	12.4"	32.1"	36.6"	32.7"	8"	22.2"	5.0"	139	2.4"	1.0"	8.1"
MZ4 3707	5,500	II	12.4"	32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 4107	5,500	II	12.4"	36.5"	41.0"	32.7"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4907	5,500	II	12.4"	44.5"	49.0"	37.8"	8"	22.2"	5.0"	186	2.6"	1.1"	8.1"
MZ4 5307	5,500	II	12.4"	48.5"	53.0"	37.8"	8"	22.2"	5.0"	201	2.6"	1.1"	8.1"
MZ5 3707	6,500	III	12.4"	32.5"	37.0"	29.9"	8"	26.6"	5.0"	164	2.6"	1.0"	9.0"
MZ5 3827	6,500	III	12.4"	33.3"	37.8"	29.9"	8"	26.6"	5.0"	167	2.6"	1.0"	9.0"
MZ5 4107	6,500	III	12.4"	36.5"	41.0"	35.0"	8"	26.6"	5.0"	182	2.6"	1.0"	9.0"
MZ5 4227	6,500	III	12.4"	37.2"	41.7"	35.0"	8"	26.6"	5.0"	185	2.6"	1.0"	9.0"
MZ5 4907	6,500	III	12.4"	44.5"	49.0"	42.9"	8"	26.6"	5.0"	217	2.6"	1.0"	9.0"
MZ5 5307	6,500	III	12.4"	48.5"	53.0"	42.9"	8"	26.6"	5.0"	235	2.6"	1.0"	9.0"
MZ6 4237	10,000	III	15.4"	37.1"	42.1"	33.5"	8"	27.2"	6.0"	310	3.0"	1.4"	10.0"
MZ6 4637	10,000	III	15.4"	41.8"	46.8"	35.5"	8"	27.2"	6.0"	333	3.0"	1.4"	10.0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(07) two bolts per side-side drilled.
(27) two bolts per side-side drilled.
(37) four bolts per side-side drilled.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

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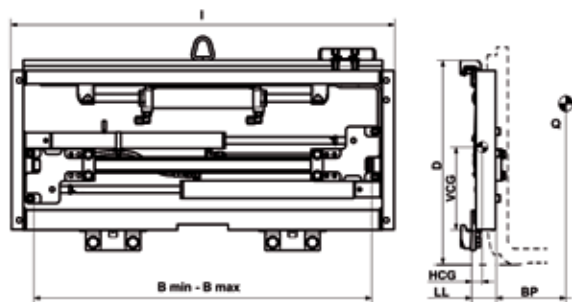
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3801	5,500	II	12.4" 34.1"	38.6"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 4001	5,500	II	12.4" 36.4"	40.9"	35.9"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4501	5,500	II	12.4" 40.8"	45.3"	37.8"	8"	22.2"	5.0"	172	2.4"	1.0"	8.1"
MZ5 4301	6,500	III	12.4" 38.5"	43.0"	35.0"	8"	26.6"	5.0"	190	2.6"	1.0"	9.0"
MZ5 4501	6,500	III	12.4" 40.8"	45.3"	35.0"	8"	26.6"	5.0"	201	2.6"	1.0"	9.0"
MZ5 5101	6,500	III	12.4" 46.7"	51.2"	42.9"	8"	26.6"	5.0"	227	2.6"	1.0"	9.0"
MZ6 4301	10,000	III	15.4" 37.1"	43.0"	33.5"	8"	27.2"	6.0"	315	3.0"	1.4"	10.0"
MZ6 4501	10,000	III	15.4" 39.4"	45.3"	33.5"	8"	27.2"	6.0"	326	3.0"	1.4"	10.0"
MZ6 5301	10,000	III	15.4" 47.3"	53.1"	35.5"	8"	27.2"	6.0"	364	3.0"	1.4"	10.0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

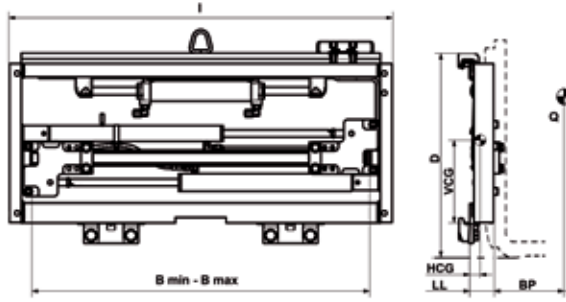
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3208	5,500	II	12.4"	27.8"	32.3"	28.4"	8"	22.2"	5.0"	122	2.4"	1.0"	8.1"
MZ4 3228	5,500	II	12.4"	27.8"	32.3"	28.4"	8"	22.2"	5.0"	122	2.4"	1.0"	8.1"
MZ4 3608	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3628	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3908	5,500	II	12.4"	34.9"	39.4"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ4 3928	5,500	II	12.4"	34.9"	39.4"	32.7"	8"	22.2"	5.0"	149	2.4"	1.0"	8.1"
MZ5 3708	6,500	III	12.4"	33.3"	37.8"	29.9"	8"	26.6"	5.0"	167	2.6"	1.0"	9.0"
MZ5 3728	6,500	III	12.4"	33.3"	37.8"	29.9"	8"	26.6"	5.0"	167	2.6"	1.0"	9.0"
MZ5 3908	6,500	III	12.4"	34.9"	39.4"	29.9"	8"	26.6"	5.0"	175	2.6"	1.0"	9.0"
MZ5 3928	6,500	III	12.4"	34.9"	39.4"	29.9"	8"	26.6"	5.0"	175	2.6"	1.0"	9.0"
MZ6 3908	10,000	III	15.4"	34.3"	39.4"	33.5"	8"	27.2"	6.0"	297	3.0"	1.4"	10.0"
MZ6 3928	10,000	III	15.4"	34.3"	39.4"	33.5"	8"	27.2"	6.0"	297	3.0"	1.4"	10.0"
MZ6 4428	10,000	III	15.4"	39.3"	44.3"	33.5"	8"	27.2"	6.0"	321	3.0"	1.4"	10.0"
MZ6 4608	10,000	III	15.4"	41.8"	46.8"	35.5"	8"	27.2"	6.0"	333	3.0"	1.4"	10.0"
MZ6 4628	10,000	III	15.4"	41.8"	46.8"	35.5"	8"	27.2"	6.0"	333	3.0"	1.4"	10.0"
MZ6 5908	10,000	III	15.4"	54.0"	59.1"	47.3"	8"	30.1"	6.0"	394	3.0"	1.4"	10.1"
MZ6 5928	10,000	III	15.4"	54.0"	59.1"	47.3"	8"	30.1"	6.0"	394	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(08) four bolts per side-side drilled.
(28) two bolts per side-side drilled. K-Series.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

03

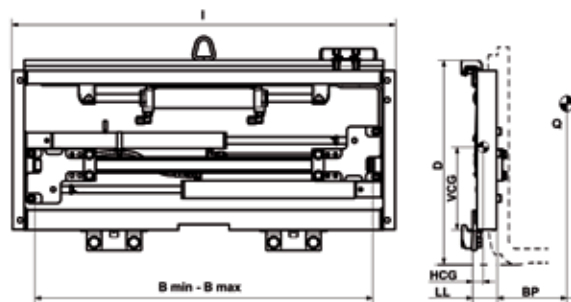
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3619	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 4019	5,500	II	12.4"	35.8"	40.3"	35.9"	8"	22.2"	5.0"	153	2.4"	1.0"	8.1"
MZ5 3819	6,500	III	12.4"	34.4"	38.9"	29.9"	8"	26.6"	5.0"	172	2.6"	1.0"	9.0"
MZ5 4519	6,500	III	12.4"	40.7"	45.2"	35.0"	8"	26.6"	5.0"	200	2.6"	1.0"	9.0"
MZ6 4519	10,000	III	15.4"	40.2"	45.2"	33.5"	8"	27.2"	6.0"	325	3.0"	1.4"	10.0"
MZ6 5119	10,000	III	15.4"	46.5"	51.5"	35.5"	8"	27.2"	6.0"	356	3.0"	1.4"	10.0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

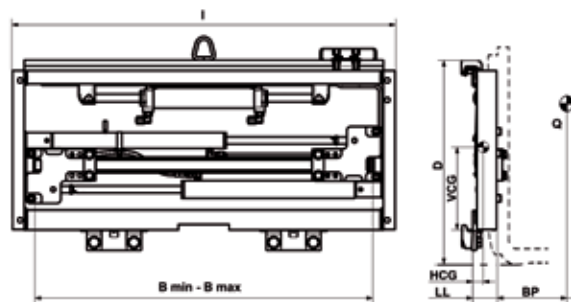
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3213	5,500	II	12.4"	28.0"	32.5"	28.4"	8"	22.2"	5.0"	123	2.4"	1.0"	8.1"
MZ4 3613	5,500	II	12.4"	32.0"	36.5"	32.7"	8"	22.2"	5.0"	138	2.4"	1.0"	8.1"
MZ4 3713	5,500	II	12.4"	32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 3813	5,500	II	12.4"	33.5"	38.0"	32.7"	8"	22.2"	5.0"	144	2.4"	1.0"	8.1"
MZ4 4013	5,500	II	12.4"	36.4"	40.9"	35.9"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ5 4013	6,500	III	12.4"	36.4"	40.9"	35.0"	8"	26.6"	5.0"	181	2.6"	1.0"	9.0"
MZ5 4313	6,500	III	12.4"	38.8"	43.3"	35.0"	8"	26.6"	5.0"	192	2.6"	1.0"	9.0"
MZ5 4713	6,500	III	12.4"	43.1"	47.6"	42.9"	8"	26.6"	5.0"	211	2.6"	1.0"	9.0"
MZ6 4313	10,000	III	15.4"	38.3"	43.3"	33.5"	8"	27.2"	6.0"	316	3.0"	1.4"	10.0"
MZ6 4713	10,000	III	15.4"	42.6"	47.6"	33.5"	8"	27.2"	6.0"	337	3.0"	1.4"	10.0"
MZ6 5113	10,000	III	15.4"	46.1"	51.2"	35.5"	8"	27.2"	6.0"	355	3.0"	1.4"	10.0"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

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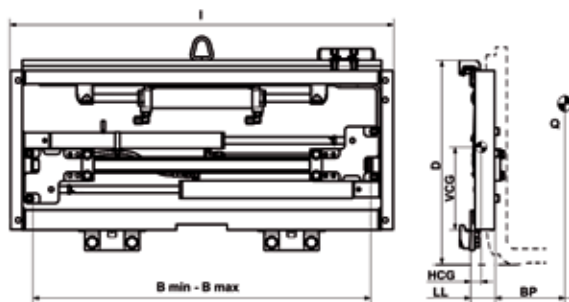
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3214	5,500	II	12.4"	27.5"	32.0"	28.4"	8"	22.2"	5.0"	121	2.4"	1.0"	8.1"
MZ4 3224	5,500	II	12.4"	27.5"	32.0"	28.4"	8"	22.2"	5.0"	121	2.4"	1.0"	8.1"
MZ4 3614	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3624	5,500	II	12.4"	31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3714	5,500	II	12.4"	32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 3724	5,500	II	12.4"	32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 3824	5,500	II	12.4"	33.7"	38.2"	32.7"	8"	22.2"	5.0"	145	2.4"	1.0"	8.1"
MZ4 4014	5,500	II	12.4"	35.7"	40.2"	35.9"	8"	22.2"	5.0"	152	2.4"	1.0"	8.1"
MZ4 4024	5,500	II	12.4"	35.7"	40.2"	35.9"	8"	22.2"	5.0"	152	2.4"	1.0"	8.1"
MZ4 4114	5,500	II	12.4"	36.5"	41.0"	35.9"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4624	5,500	II	12.4"	41.6"	46.1"	37.8"	8"	22.2"	5.0"	175	2.4"	1.0"	8.1"
MZ4 5214	5,500	II	12.4"	47.5"	52.0"	37.8"	8"	22.2"	5.0"	197	2.6"	1.1"	8.1"
MZ4 5224	5,500	II	12.4"	47.5"	52.0"	37.8"	8"	22.2"	5.0"	197	2.6"	1.1"	8.1"
MZ5 3814	6,500	III	12.4"	33.7"	38.2"	29.9"	8"	26.6"	5.0"	169	2.6"	1.0"	9.0"
MZ5 3824	6,500	III	12.4"	33.7"	38.2"	29.9"	8"	26.6"	5.0"	169	2.6"	1.0"	9.0"
MZ5 4014	6,500	III	12.4"	35.7"	40.2"	35.0"	8"	26.6"	5.0"	178	2.6"	1.0"	9.0"
MZ5 4214	6,500	III	12.4"	37.6"	42.1"	35.0"	8"	26.6"	5.0"	187	2.6"	1.0"	9.0"
MZ5 4224	6,500	III	12.4"	37.6"	42.1"	35.0"	8"	26.6"	5.0"	187	2.6"	1.0"	9.0"
MZ5 4624	6,500	III	12.4"	41.6"	46.1"	42.9"	8"	26.6"	5.0"	204	2.6"	1.0"	9.0"
MZ5 5214	6,500	III	12.4"	47.5"	52.0"	42.9"	8"	26.6"	5.0"	230	2.6"	1.0"	9.0"
MZ6 4214	10,000	III	15.4"	37.9"	42.9"	33.5"	8"	27.2"	6.0"	314	3.0"	1.4"	10.0"
MZ6 4224	10,000	III	15.4"	37.9"	42.9"	33.5"	8"	27.2"	6.0"	314	3.0"	1.4"	10.0"
MZ6 4614	10,000	III	15.4"	41.0"	46.1"	35.5"	8"	27.2"	6.0"	330	3.0"	1.4"	10.0"
MZ6 4624	10,000	III	15.4"	41.0"	46.1"	35.5"	8"	27.2"	6.0"	330	3.0"	1.4"	10.0"
MZ6 5214	10,000	III	15.4"	46.9"	52.0"	35.5"	8"	27.2"	6.0"	359	3.0"	1.4"	10.0"
MZ6 5714	10,000	III	15.4"	52.8"	57.9"	47.3"	8"	30.1"	6.0"	388	3.0"	1.4"	10.1"
MZ6 5724	10,000	III	15.4"	52.8"	57.9"	47.3"	8"	30.1"	6.0"	388	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(14) four bolts per side-side drilled.
(24) two bolts per side-side drilled. 6, 7 and 8 series trucks.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 10,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

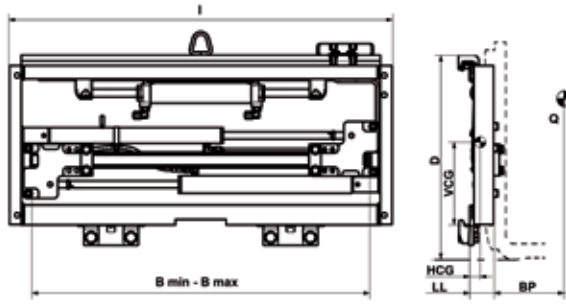
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3129	5,500	II	12.4" 26.5"	31.0"	28.4"	8"	22.2"	5.0"	117	2.4"	1.0"	8.1"
MZ4 3209	5,500	II	12.4" 27.9"	32.4"	28.4"	8"	22.2"	5.0"	123	2.4"	1.0"	8.1"
MZ4 3239	5,500	II	12.4" 27.9"	32.4"	28.4"	8"	22.2"	5.0"	123	2.4"	1.0"	8.1"
MZ4 3609	5,500	II	12.4" 31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3639	5,500	II	12.4" 31.7"	36.2"	32.7"	8"	22.2"	5.0"	137	2.4"	1.0"	8.1"
MZ4 3729	5,500	II	12.4" 32.5"	37.0"	32.7"	8"	22.2"	5.0"	140	2.4"	1.0"	8.1"
MZ4 4009	5,500	II	12.4" 35.6"	40.1"	32.7"	8"	22.2"	5.0"	152	2.4"	1.0"	8.1"
MZ4 4039	5,500	II	12.4" 35.6"	40.1"	32.7"	8"	22.2"	5.0"	152	2.4"	1.0"	8.1"
MZ4 4129	5,500	II	12.4" 36.5"	41.0"	35.9"	8"	22.2"	5.0"	155	2.4"	1.0"	8.1"
MZ4 4929	5,500	II	12.4" 44.5"	49.0"	37.8"	8"	22.2"	5.0"	186	2.6"	1.1"	8.1"
MZ4 5209	5,500	II	12.4" 48.1"	52.6"	37.8"	8"	22.2"	5.0"	199	2.6"	1.1"	8.1"
MZ4 5239	5,500	II	12.4" 48.1"	52.6"	37.8"	8"	22.2"	5.0"	199	2.6"	1.1"	8.1"
MZ5 3609	6,500	III	12.4" 31.7"	36.2"	29.9"	8"	26.6"	5.0"	160	2.6"	1.0"	9.0"
MZ5 3729	6,500	III	12.4" 32.5"	37.0"	29.9"	8"	26.6"	5.0"	164	2.6"	1.0"	9.0"
MZ5 3809	6,500	III	12.4" 34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 4009	6,500	III	12.4" 35.6"	40.1"	35.0"	8"	26.6"	5.0"	178	2.6"	1.0"	9.0"
MZ5 4039	6,500	III	12.4" 35.6"	40.1"	35.0"	8"	26.6"	5.0"	178	2.6"	1.0"	9.0"
MZ5 4129	6,500	III	12.4" 36.5"	41.0"	35.0"	8"	26.6"	5.0"	182	2.6"	1.0"	9.0"
MZ5 4929	6,500	III	12.4" 44.5"	49.0"	42.9"	8"	26.6"	5.0"	217	2.6"	1.0"	9.0"
MZ5 5209	6,500	III	12.4" 48.1"	52.6"	42.9"	8"	26.6"	5.0"	233	2.6"	1.0"	9.0"
MZ5 5239	6,500	III	12.4" 48.1"	52.6"	42.9"	8"	26.6"	5.0"	233	2.6"	1.0"	9.0"
MZ6 3939	10,000	III	15.4" 34.3"	39.4"	33.5"	8"	27.2"	6.0"	297	3.0"	1.4"	10.0"
MZ6 4009	10,000	III	15.4" 35.1"	40.1"	33.5"	8"	27.2"	6.0"	300	3.0"	1.4"	10.0"
MZ6 4039	10,000	III	15.4" 35.1"	40.1"	33.5"	8"	27.2"	6.0"	300	3.0"	1.4"	10.0"
MZ6 4709	10,000	III	15.4" 42.0"	47.1"	35.5"	8"	27.2"	6.0"	335	3.0"	1.4"	10.0"
MZ6 5139	10,000	III	15.4" 46.1"	51.2"	33.5"	8"	27.2"	6.0"	355	3.0"	1.4"	10.0"
MZ6 5239	10,000	III	15.4" 47.5"	52.6"	33.5"	8"	27.2"	6.0"	362	3.0"	1.4"	10.0"
MZ6 5509	10,000	III	15.4" 50.3"	55.4"	47.3"	8"	30.1"	6.0"	376	3.0"	1.4"	10.1"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6 accepted fork width 4", 5" and 6".
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(09) four bolts per side-side drilled.
(29) two bolts per side-side drilled.
(39) two bolts per side-side drilled. Platinum Series.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 5,500 - 15,000 Lbs.

Features:

- The MZ series fork positioner is based on the HN sideshift frame.
- Standard lift truck forks can be easily fitted.
- No forks welding required.
- Accurate forks movement.
- Excellent visibility.
- Original load backrest can be easily fitted on the fork positioner.

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Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	W	LL	HCG	VCG
MZ4 3216	5,500	II	12.4"	28.0"	32.5"	28.4"	8"	22.2"	5.0"	123	2.4"	1.0"	8.1"
MZ4 3336	5,500	II	12.4"	29.2"	33.7"	28.4"	8"	22.2"	5.0"	128	2.4"	1.0"	8.1"
MZ4 3356	5,500	II	12.4"	29.2"	33.7"	28.4"	8"	22.2"	5.0"	128	2.4"	1.0"	8.1"
MZ4 3556	5,500	II	12.4"	31.2"	35.7"	32.7"	8"	22.2"	5.0"	135	2.4"	1.0"	8.1"
MZ4 3636	5,500	II	12.4"	31.2"	35.7"	32.7"	8"	22.2"	5.0"	135	2.4"	1.0"	8.1"
MZ4 3816	5,500	II	12.4"	34.0"	38.5"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 3836	5,500	II	12.4"	34.0"	38.5"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 3856	5,500	II	12.4"	34.0"	38.5"	32.7"	8"	22.2"	5.0"	146	2.4"	1.0"	8.1"
MZ4 3916	5,500	II	12.4"	34.5"	39.0"	32.7"	8"	22.2"	5.0"	148	2.4"	1.0"	8.1"
MZ4 4216	5,500	II	12.4"	37.5"	42.0"	35.9"	8"	22.2"	5.0"	159	2.4"	1.0"	8.1"
MZ4 4236	5,500	II	12.4"	37.5"	42.0"	35.9"	8"	22.2"	5.0"	159	2.4"	1.0"	8.1"
MZ4 4256	5,500	II	12.4"	37.5"	42.0"	35.9"	8"	22.2"	5.0"	159	2.4"	1.0"	8.1"
MZ5 3816	6,500	III	12.4"	34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 3836	6,500	III	12.4"	34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 3856	6,500	III	12.4"	34.0"	38.5"	29.9"	8"	26.6"	5.0"	171	2.6"	1.0"	9.0"
MZ5 3916	6,500	III	12.4"	34.5"	39.0"	29.9"	8"	26.6"	5.0"	173	2.6"	1.0"	9.0"
MZ5 4216	6,500	III	12.4"	37.5"	42.0"	35.0"	8"	26.6"	5.0"	186	2.6"	1.0"	9.0"
MZ5 4236	6,500	III	12.4"	37.5"	42.0"	35.0"	8"	26.6"	5.0"	186	2.6"	1.0"	9.0"
MZ5 4256	6,500	III	12.4"	37.5"	42.0"	35.0"	8"	26.6"	5.0"	186	2.6"	1.0"	9.0"
MZ5 4816	6,500	III	12.4"	43.5"	48.0"	42.9"	8"	26.6"	5.0"	213	2.6"	1.0"	9.0"
MZ5 4856	6,500	III	12.4"	43.5"	48.0"	42.9"	8"	26.6"	5.0"	213	2.6"	1.0"	9.0"
MZ6 4216	10,000	III	15.4"	37.1"	42.0"	33.5"	8"	27.2"	6"	310	3.0"	1.4"	10.0"
MZ6 4266	10,000	III	15.4"	37.1"	42.0"	33.5"	8"	27.2"	6"	310	3.0"	1.4"	10.0"
MZ6 4236	10,000	III	15.4"	36.3"	42.0"	33.5"	8"	27.2"	6"	310	3.0"	1.4"	10.0"
MZ6 4766	10,000	III	15.4"	42.2"	47.3"	35.5"	8"	27.2"	6"	336	3.0"	1.4"	10.0"
MZ6 4816	10,000	III	15.4"	43.0"	48.0"	35.5"	8"	27.2"	6"	339	3.0"	1.4"	10.0"
MZ6 4836	10,000	III	15.4"	42.2"	48.0"	35.5"	8"	27.2"	6"	339	3.0"	1.4"	10.0"
MZ6 4866	10,000	III	15.4"	42.2"	48.0"	35.5"	8"	27.2"	6"	339	3.0"	1.4"	10.0"
MZ6 5366	10,000	III	15.4"	48.3"	53.3"	47.3"	8"	30.1"	6"	365	3.0"	1.4"	10.1"
MZ6 5416	10,000	III	15.4"	48.9"	54.0"	47.3"	8"	30.1"	6"	369	3.0"	1.4"	10.1"
MZ6 5466	10,000	III	15.4"	48.9"	54.0"	47.3"	8"	30.1"	6"	369	3.0"	1.4"	10.1"
MZ6 5966	10,000	III	15.4"	54.2"	59.3"	47.3"	8"	30.1"	6"	395	3.0"	1.4"	10.1"
MZ6 6016	10,000	III	15.4"	55.0"	60.0"	47.3"	8"	30.1"	6"	398	3.0"	1.4"	10.1"
MZ6 6036	10,000	III	15.4"	54.2"	60.0"	47.3"	8"	30.1"	6"	398	3.0"	1.4"	10.1"
MZ6 6066	10,000	III	15.4"	54.2"	60.0"	47.3"	8"	30.1"	6"	398	3.0"	1.4"	10.1"

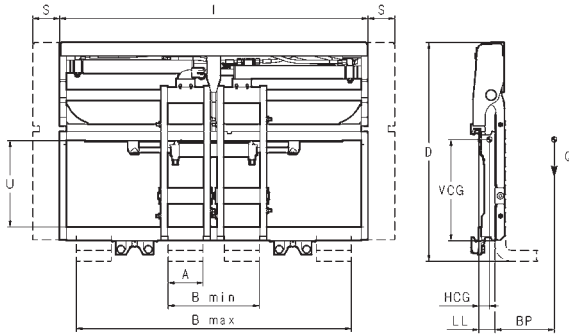
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	<i>Q</i>		<i>B min</i>	<i>B max</i>	<i>I</i>	<i>FL</i>	<i>S</i>	<i>D</i>	<i>A</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>
MZ7R 4266	12,000	IV	15.4"	36.3"	42.0"	35.4"	8"	29.1"	6.0"	406	3.3"	1.5"	19.7"
MZ7R 4766	12,000	IV	15.4"	41.4"	47.3"	35.4"	8"	29.1"	6.0"	434	3.3"	1.5"	19.7"
MZ7R 4866	12,000	IV	15.4"	42.2"	48.0"	35.4"	8"	29.1"	6.0"	439	3.3"	1.5"	19.7"
MZ7R 5366	12,000	IV	15.4"	47.3"	53.3"	35.4"	8"	29.1"	6.0"	467	3.3"	1.5"	19.7"
MZ7R 5466	12,000	IV	15.4"	48.1"	54.0"	35.4"	8"	29.1"	6.0"	472	3.3"	1.5"	19.7"
MZ7R 5966	12,000	IV	15.4"	53.2"	59.1"	36.6"	8"	29.1"	6.0"	509	3.3"	1.6"	19.7"
MZ7R 6066	12,000	IV	15.4"	54.2"	60.0"	39.4"	8"	29.1"	6.0"	516	3.3"	1.6"	19.7"
MZ7 4266	15,000	IV	19.1"	35.5"	42.0"	35.4"	8"	29.1"	8.0"	443	3.3"	1.3"	19.8"
MZ7 4766	15,000	IV	19.1"	40.6"	47.3"	35.4"	8"	29.1"	8.0"	474	3.3"	1.4"	19.8"
MZ7 4866	15,000	IV	19.1"	41.4"	48.0"	35.4"	8"	29.1"	8.0"	478	3.3"	1.4"	19.8"
MZ7 5366	15,000	IV	19.1"	46.5"	53.3"	35.4"	8"	29.1"	8.0"	509	3.3"	1.4"	19.8"
MZ7 5466	15,000	IV	19.1"	47.3"	54.0"	35.4"	8"	29.1"	8.0"	514	3.3"	1.4"	19.8"
MZ7 5966	15,000	IV	19.1"	52.4"	59.1"	36.6"	8"	29.1"	8.0"	553	3.3"	1.4"	19.8"
MZ7 6066	15,000	IV	19.1"	53.4"	60.0"	39.4"	8"	29.1"	8.0"	558	3.3"	1.4"	19.8"

Notes:

- Two hydraulic functions required.
- MZ4-MZ5 accepted fork width 3", 4" and 5".
- MZ6-MZ7R accepted fork width 4", 5" and 6".
- MZ7 accepted fork width 6", 7" and 8"..
- Forks are not included in the attachment price.
- Standard lift truck forks can be fitted without any modification.
- Weight and center of gravity are given without forks.
- OSHA or state regulations may require the installation of backrests. We suggest that you check your use of the fork positioner for these requirements.
- Last two digits in the model number determine load backrest drill pattern:
(16) two bolts per side-side drilled
(36) two bolts per side-face drilled.
(56 & 66) two bolts per side-face drilled. VX series truck.

Options:

- Non-sideshifting models.
- Load backrest.
- Sequence valve available on all models.
- Ask for Bolzoni ready-to-ship forks.
- **Central camera and laser** (only for model MZ 4/5/6) - see page 14-7



Range: 14,000 Lbs.

Features:

- Separate sideshift.
- With fork carriers.
- Standard forks of the truck can be used without modification.
- Fork carriers sliding on a chromed bar with bushings.
- Excellent visibility, strength and versatility.

03

Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Side Visibility	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min B max	I	FL	S	D	A	U	W	LL	HCG	VCG
FR 65 11C	14,000	IV	16.3" 35.4"	42.1"	35.4"	8"	46.8"	5.9"	15.4"	678	5.5"	2.1"	13.9"
FR 65 12C	14,000	IV	16.3" 42.5"	49.2"	35.4"	8"	41.8"	5.9"	15.4"	706	5.5"	2.1"	13.8"
FR 65 13C	14,000	IV	16.3" 46.5"	53.1"	35.4"	8"	41.8"	5.9"	15.4"	784	5.5"	2.0"	13.8"
FR 65 14C	14,000	IV	16.3" 48.2"	55.1"	36.6"	8"	41.8"	5.9"	15.4"	792	5.5"	2.0"	13.8"
FR 65 15C	14,000	IV	16.3" 54.3"	61.0"	39.4"	8"	41.8"	5.9"	15.4"	828	5.5"	2.0"	13.8"
FR 65 18C	14,000	IV	16.3" 65.4"	72.0"	53.1"	8"	41.8"	5.9"	15.4"	916	5.5"	2.0"	13.7"
FR 65 20C	14,000	IV	16.3" 72.0"	78.7"	53.1"	8"	41.8"	5.9"	15.4"	969	5.5"	2.0"	13.7"

Notes:

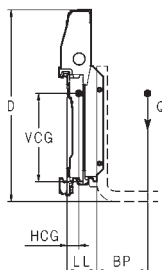
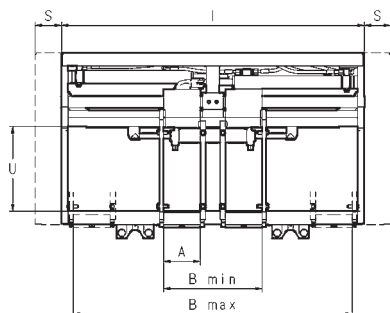
- Two hydraulic functions required.
- Total sideshift stroke 8".
- Forks are not included in the attachment price.
- Maximum fork length 60".
- Weight and center of gravity are given without forks.
- Delivered without forks. Original lift truck forks can be fitted without any modification.
- Check valve for low clamping pressure 700 PSI.

Options:

- Non-sideshifting models.
- Load backrest.

Models FFP (Sideshifting)

03



Range: 5,500 - 10,000 Lbs.

Features:

- Separate sideshift.
- Standard forks of the truck can be used without modification.
- Fork carriers sliding on a chromed bar with bushings.
- Excellent visibility, strength and versatility.
- Accurate fork positioning, operated on a round chromed bar.

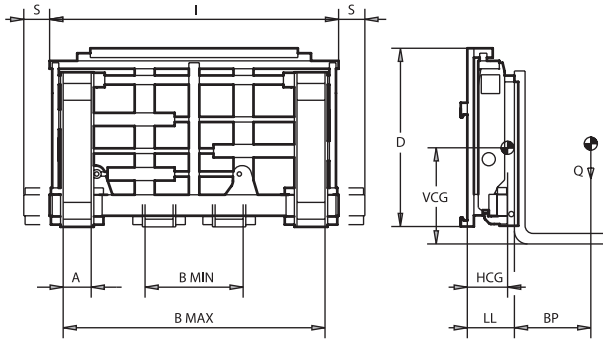
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out		Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Side Visibility	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min	B max	I	FL	S	D	A	U	W	LL	HCG	VCG
FFP 25 08A	5,500	II	13.7"	26.9"	31.5"	28.4"	8"	28.7"	5.0"	12.6"	238	4.4"	1.77"	13.2"
FFP 25 X9A	5,500	II	13.7"	32.4"	37.0"	32.7"	8"	28.7"	5.0"	12.6"	251	4.4"	1.77"	13.2"
FFP 25 09A	5,500	II	13.7"	33.9"	38.6"	32.7"	8"	28.7"	5.0"	12.6"	256	4.4"	1.77"	13.2"
FFP 25 10A	5,500	II	13.7"	38.7"	43.3"	35.9"	8"	28.7"	5.0"	12.6"	274	4.4"	1.77"	13.2"
FFP 35 09B	6,500	III	14.9"	33.5"	38.6"	29.9"	8"	33.6"	5.0"	16.3"	344	5.3"	2.12"	15.6"
FFP 35 10B	6,500	III	14.9"	38.3"	43.3"	35.0"	8"	33.6"	5.0"	16.3"	364	5.3"	2.12"	15.6"
FFP 35 11B	6,500	III	14.9"	40.2"	45.3"	35.0"	8"	33.6"	5.0"	16.3"	373	5.3"	2.12"	15.6"
FFP 35 12B	6,500	III	14.9"	44.0"	49.0"	42.9"	8"	33.6"	5.0"	16.3"	390	5.3"	2.08"	15.7"
FFP 49 10B	10,000	III	17.5"	37.8"	43.3"	33.5"	8"	37.6"	6.3"	14.3"	615	5.7"	2.56"	15.6"
FFP 49 11B	10,000	III	17.5"	39.7"	45.3"	33.5"	8"	37.6"	6.3"	14.3"	624	5.7"	2.52"	15.6"
FFP 49 12B	10,000	III	17.5"	43.5"	49.0"	35.5"	8"	37.6"	6.3"	14.3"	662	5.7"	2.52"	15.6"
FFP 49 13B	10,000	III	17.5"	47.6"	53.1"	38.2"	8"	37.6"	6.3"	14.3"	684	5.7"	2.48"	15.6"
FFP 49 15B	10,000	III	17.5"	55.5"	61.0"	47.3"	8"	37.6"	6.3"	14.3"	735	5.7"	2.44"	15.7"
FFP 49 16B	10,000	III	17.3"	59.6"	65.4"	49.6"	8"	37.6"	6.3"	14.3"	763	5.7"	2.40"	15.8"
FFP 49 17B	10,000	III	15.4"	65.7"	68.9"	61.0"	8"	33.9"	6.3"	14.3"	717	4.4"	2.13"	15.0"
FFP 49 18B	10,000	III	15.4"	68.1"	72.8"	61.0"	8"	33.9"	6.3"	14.3"	728	4.4"	2.13"	15.0"
FFP 49 20B	10,000	III	15.4"	74.0"	78.7"	61.0"	8"	33.9"	6.3"	14.3"	750	4.4"	2.13"	15.0"

Notes:

- Two hydraulic functions required.
- Total sideshift stroke 8".
- Forks are not included in the attachment price.
- Weight and center of gravity are given without forks.
- Delivered without forks. Original lift truck forks can be fitted without any modification.
- Not for handling cylindrical loads.

Options:

- Flow divider valve.
- Pressure relief valve.
- Load backrest.
- Fork support width 8.0" (available for model FFP49 only).....



Range: 11,000 - 17,600 Lbs.

Features:

- Sideshifting heavy-duty fork positioner with bar mounted ITA fork carriers.
- Built-in separate sideshift improves handling.
- Possibility to use the standard forks of the lift truck.
- ITA mounting to the lift truck.

03

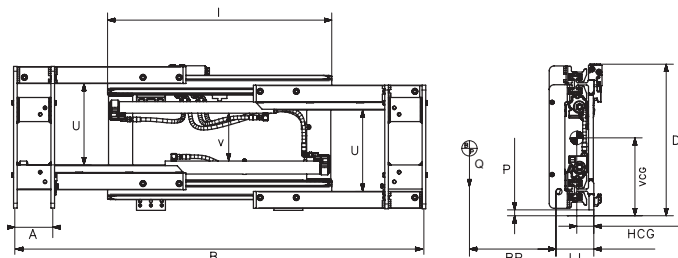
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Frame Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Weight	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity
	Q		B min B max	I	FL	S	D	A ①	W	LL	HCG	VCG
SG 50 A11	11,000	IV	18.1" - 36.3"	43.3"	39.4"	8"	35.2"	5.9"	1,030	8.5"	2.4"	18.4"
SG 50 A12	11,000	IV	18.1" - 40.2"	47.2"	39.4"	8"	35.2"	5.9"	1,050	8.5"	2.4"	18.4"
SG 50 A13	11,000	IV	18.1" - 44.1"	51.2"	39.4"	8"	35.2"	5.9"	1,080	8.5"	5.1"	18.5"
SG 50 A14	11,000	IV	18.1" - 48.0"	55.1"	39.4"	8"	35.2"	6.3"	1,100	8.5"	2.3"	18.5"
SG 50 A15	11,000	IV	18.1" - 52.0"	59.0"	39.4"	8"	35.2"	6.3"	1,130	8.5"	2.3"	18.6"
SG 50 A16	11,000	IV	18.1" - 55.9"	63.0"	39.4"	8"	35.2"	6.3"	1,150	8.5"	5.1"	18.5"
SG 50 A17	11,000	IV	18.1" - 59.8"	66.9"	39.4"	8"	35.2"	6.3"	1,180	8.5"	2.3"	18.7"
SG 50 A18	11,000	IV	18.1" - 63.8"	70.9"	39.4"	8"	35.2"	6.3"	1,200	8.5"	2.3"	18.7"
SG 70 A13	15,400	IV	18.9" - 42.1"	51.2"	39.4"	12"	35.9"	6.3"	1,647	10.4"	5.1"	19.7"
SG 70 A17	15,400	IV	18.9" - 57.8"	66.9"	39.4"	12"	35.9"	6.3"	1,760	10.4"	5.1"	19.8"
SG 70 A18	15,400	IV	18.9" - 61.8"	70.9"	39.4"	12"	35.9"	6.3"	1,830	10.4"	5.1"	19.8"
SG 70 A19	15,400	IV	18.9" - 65.7"	74.8"	39.4"	12"	35.9"	6.3"	1,890	10.4"	5.1"	19.8"
SG 70 A20	15,400	IV	18.9" - 69.7"	78.7"	39.4"	12"	35.9"	6.3"	1,947	10.4"	5.1"	19.9"
SG 70 A21	15,400	IV	18.9" - 73.6"	82.7"	39.4"	12"	35.9"	6.3"	2,010	10.4"	5.1"	20.0"
SG 70 A22	15,400	IV	18.9" - 77.6"	86.6"	39.4"	12"	35.9"	6.3"	2,075	10.4"	5.1"	20.0"
SG 80 A19	17,600	IV	18.9" - 65.7"	74.8"	39.4"	12"	35.9"	6.3"	1,780	10.4"	3.0"	19.8"
SG 80 A20	17,600	IV	18.9" - 69.7"	78.7"	39.4"	12"	35.9"	6.3"	1,850	10.4"	3.0"	19.9"
SG 80 A21	17,600	IV	18.9" - 73.6"	82.7"	39.4"	12"	35.9"	6.3"	1,920	10.4"	3.0"	20.0"
SG 80 A22	17,600	IV	18.9" - 77.6"	86.6"	39.4"	12"	35.9"	6.3"	2,000	10.4"	3.0"	20.0"

Notes:

- Two hydraulic functions required.
- Weight, effective thickness and center of gravity are given without forks.

Options:

- Special widths.
- Different fork lengths.
- Load backrest.



Range: 2,500 - 11,000 Lbs.

Features:

- Series LB and LS fork positioners are based on a clamp frame, which allows the fork lift operator to position the forks beyond the original width of the forklift carriage.
- Safe handling of small, medium and extra-large loads.
- Possibility to use standard ITA forks without any modifications.
- Synchronized fork movement.
- Excellent visibility.
- Models LB - non-sideshifting.
- Models LS - separate sideshift.

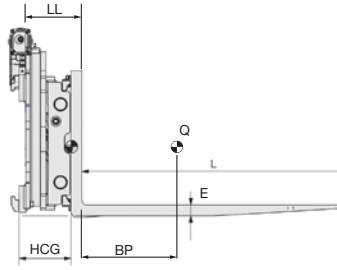
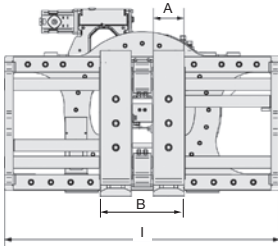
Model	Capacity Lbs. @ 24"	Mounting Class	Opening Range out to out	Overall Width	Minimum Carriage Width	Total Sideshift	Height	Fork Support Width	Side Visibility	Central Visibility	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Ground Clearance
	Q		B min B max	I	FL	S	D	A	U	V	W	LL	HCG	VCG	P
Non-sideshifting															
LB 14 YNKA	2,500	II	22.0" 63.8"	34.3"	29.5"	-	24.8"	5.5"	13.3"	7.5"	375	6.2"	2.8"	12.7"	0.9"
LB 14 YKA	2,500	II	22.0" 66.1"	36.6"	27.2"	-	24.8"	5.5"	13.3"	7.5"	419	6.2"	2.8"	12.7"	0.9"
LB 14 YKEA	2,500	II	21.6" 82.7"	53.9"	29.5"	-	24.8"	5.5"	13.3"	7.5"	486	6.2"	2.8"	12.7"	0.9"
LB 20 YNKA	3,600	II	22.0" 63.8"	34.3"	29.5"	-	24.8"	5.5"	13.3"	7.5"	375	6.2"	2.8"	12.7"	0.9"
LB 20 YKA	3,600	II	22.0" 66.1"	36.6"	27.2"	-	24.8"	5.5"	13.3"	7.5"	419	6.2"	2.8"	12.7"	0.9"
LB 20 YKEA	3,600	II	21.6" 82.7"	53.9"	29.5"	-	24.8"	5.5"	13.3"	7.5"	486	6.2"	2.8"	12.7"	0.9"
LB 25 YKA	4,500	II	22.0" 66.1"	36.6"	27.2"	-	24.7"	5.5"	13.2"	7.3"	426	6.2"	3.0"	12.7"	1.0"
LB 25 YNKA	4,500	II	22.0" 63.8"	34.3"	29.5"	-	24.7"	5.5"	13.2"	7.3"	375	6.2"	2.8"	12.7"	1.0"
LB 25 YKEA	4,500	II	21.6" 82.7"	53.9"	29.5"	-	24.7"	5.5"	13.2"	7.3"	486	6.2"	2.8"	12.7"	1.0"
LB 28 YKB	5,000	III	22.0" 67.7"	38.2"	27.2"	-	28.9"	6.3"	16.9"	10.9"	514	7.2"	3.4"	15.0"	0.7"
LB 38 YKB	6,800	III	22.0" 76.8"	47.2"	27.2"	-	28.9"	6.3"	16.9"	10.9"	616	7.2"	3.7"	14.5"	0.7"
LB 50 YKB	8,800	III	22.0" 71.3"	45.3"	37.4"	-	28.1"	6.3"	9.1"	8.3"	958	8.1"	5.5"	9.8"	0.8"
LB 50 YKC	11,000	IV	22.0" 71.3"	45.3"	39.6"	-	36.2"	8.3"	9.1"	8.3"	1,148	8.6"	3.8"	9.8"	0.8"
Sideshifting															
LS 14 YNKA	2,500	II	22.0" 63.8"	34.3"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	435	7.4"	3.6"	12.7"	0.9"
LS 14 YKA	2,500	II	22.0" 66.1"	36.6"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	442	7.4"	3.7"	12.7"	0.9"
LS 14 YKEA	2,500	II	21.6" 82.7"	53.9"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	545	7.4"	3.7"	12.7"	0.9"
LS 20 YNKA	3,600	II	22.0" 63.8"	34.3"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	435	7.4"	3.6"	12.7"	0.9"
LS 20 YKA	3,600	II	22.0" 66.1"	36.6"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	442	7.4"	3.7"	12.7"	0.9"
LS 20 YKEA	3,600	II	21.6" 82.7"	53.9"	36.2"	8"	24.8"	5.5"	13.3"	7.5"	545	7.4"	3.7"	12.7"	0.9"
LS 25 YKA	4,500	II	22.0" 66.1"	36.6"	36.2"	8"	24.7"	5.5"	13.2"	7.3"	468	7.4"	3.9"	12.6"	1.0"
LS 25 YNKA	4,500	II	22.0" 63.8"	34.3"	36.2"	8"	24.7"	5.5"	13.2"	7.3"	435	7.4"	3.6"	12.6"	1.0"
LS 25 YKEA	4,500	II	21.6" 82.7"	53.9"	36.2"	8"	24.7"	5.5"	13.2"	7.3"	545	7.4"	3.7"	12.6"	1.0"
LS 28 YKB	5,000	III	22.0" 67.7"	38.2"	38.2"	8"	28.9"	6.3"	16.9"	10.9"	592	8.8"	4.4"	14.7"	0.7"
LS 38 YKB	6,800	III	22.0" 76.8"	47.2"	38.2"	8"	28.9"	6.3"	16.9"	10.9"	706	8.8"	4.4"	14.5"	0.7"
LS 50 YKB	8,800	III	22.0" 71.3"	45.3"	39.4"	8"	28.1"	6.3"	9.1"	8.3"	1,104	9.8"	5.1"	11.1"	0.8"
LS 50 YKC	11,000	IV	22.0" 71.3"	45.3"	47.2"	8"	36.2"	8.3"	9.1"	8.3"	1,347	10.2"	4.6"	11.1"	0.8"

Notes:

- One hydraulic function for LB models and two hydraulic functions for LS models.
- LS models include $\pm 4"$ sideshift stroke.
- Weight, effective thickness and center of gravity are given without forks.
- Pressure relief valve.

Options:

- Special widths.
- Load backrest
- Different fork carriers and fork widths.
- Quick change lower hooks.
- Protection plate



Range: 3,300 - 8,800 Lbs.

Features:

- 360° continuous rotation in both directions allows flexibility and discharging of the load to either side of the forklift truck.
- Accurate positioning thanks to the hydraulic adjustment of the forks within the width of the truck. Double shaft guided system sliding on hardened chrome bars.
- Bolt-on forks.

03

Model	Capacity Lbs.	Load Center	Mounting Class	Opening Range out to out		Fork Size	Chassis Width	Minimum Carriage Width	Weight	Horizontal Center of Gravity	Effective Thickness
	Q	BP		B min	B max	LxAxE	I	FL	W	HCG	LL
RP 15 100A	3,300	20"	II	12.2"	36.6"	47.2"x 4.7"x 1.6"	39.4"	22.8"	879	9.1"	9.8"
RP 15 110A	3,300	20"	II	12.2"	40.6"	47.2"x 4.7"x 1.6"	43.3"	22.8"	894	9.0"	9.8"
RP 15 120A	3,300	20"	II	12.2"	44.5"	47.2"x 4.7"x 1.6"	47.2"	22.8"	953	8.9"	8.7"
Additional price for 3.9" fork length up to max 94.5".											
RP 22 110A	4,900	20"	II	12.2"	40.6"	47.2"x4.7"x1.8"	43.3"	22.8"	936	9.6"	9.6"
RP 22 120A	4,900	20"	II	12.2"	44.5"	47.2"x4.7"x1.8"	47.2"	22.8"	987	9.4"	9.6"
RP 22 130A	4,900	20"	II	12.2"	48.4"	47.2"x4.7"x1.8"	51.2"	22.9"	1,006	9.4"	10.0"
Additional price for 3.9" fork length up to max 94.5".											
RP 35 110B	7,800	20"	III	12.6"	40.6"	47.2"x4.7"x2"	43.3"	34.2"	1,212	9.0"	10.8"
RP 35 120B	7,800	20"	III	12.6"	44.5"	47.2"x4.7"x2"	47.2"	34.2"	1,270	8.9"	11.0"
RP 35 130B	7,800	20"	III	12.6"	48.4"	47.2"x4.7"x2"	51.2"	34.2"	1,291	8.8"	11.0"
Additional price for 3.9" fork length up to max 94.5".											
RP 40 125B	8,800	24"	III	15.0"	45.3"	47.2"x5.5"x2"	49.2"	34.2"	1,433	9.4"	11.3"
RP 40 135B	8,800	24"	III	15.0"	49.2"	47.2"x5.5"x2"	53.1"	34.2"	1,455	9.3"	11.3"
RP 40 145B	8,800	24"	III	15.0"	53.1"	47.2"x5.5"x2"	57.0"	34.2"	1,539	9.2"	11.8"
Additional price for 3.9" fork length up to max 94.5".											

Notes:

- Two hydraulic functions required.
- Double pressure relief valve.

Options:

- Special openings.
- Pressure gauge.
- Different fork lengths.
- Additional cost for:
 - Separate, built-on sideload (a further hydraulic function or solenoid valve required):
 - Type RP 15 / 22, additional lost load center + 4.7"
 - Type RP 35 / 40, additional lost load center + 4.7"
- Solenoid valve
- Solenoid valve control kit (cable drum, push button, relay)
- Quick disconnect lower hooks.
- Motor and brake protection
- Fishery version

Oil flow rate recommendations

Model	Oil Flow Rate, Fork Positioner			Oil Flow Rate, Sideshifter		
	Minimum GPM	Recommended GPM	Maximum GPM	Minimum GPM	Recommended GPM	Maximum GPM
Fork Positioners - Non-rotating						
MZ 4 - MZ 5	1	2	2	1	3	4
MZ 6	1	2	3	1	3	5
FR 65	3	5	7	2	3	4
FFP 25-35	3	5	7	1	3	4
FFP 49	4	6	8	2	4	6
SG 50 - 70 - 80	6	11	13	6	11	13
LB 14-20-25	3	5	7	-	-	-
LB 28-38-50	4	6	8	-	-	-
LS 14-20-25	3	5	7	1	3	4
LS 28-38-50	4	6	8	2	4	6

Model	Oil Flow Rate, Fork Positioner			Oil Flow Rate, Rotator		
	Minimum GPM	Recommended GPM	Maximum GPM	Minimum GPM	Recommended GPM	Maximum GPM
Fork Positioners - Rotating						
RP 15	4	5	7	4	5	7
RP 22	5	7	8	4	5	7
RP 35	7	8	9	7	8	9
RP 40	7	8	9	7	11	12

Hydraulic functions and hydraulic pressure recommendations

Model	Fork Positioner Pressure		Sideshifting Pressure		Hydraulic Functions
	Minumum	Maximum	Minumum	Maximum	
	PSI	PSI*	PSI	PSI	
Fork Positioners - Non-rotating					
MZ 4 - MZ 5	450	3,100	1,700	3,100	2
MZ 6	1,400	3,100	1,700	3,100	2
FR 65	450	3,100	1,700	3,100	2
FFP 25-35	450	3,100	1,700	3,100	2
FFP 49	450	3,100	1,700	3,100	2
SG 50 - 70 - 80	700	2,300	1,400	2,300	2
LB 14-20-25	600	2,000	-	-	-
LB 28-38-50	600	2,000	-	-	-
LS 14-20-25	600	2,000	1,700	3,100	2
LS 28-38-50	600	2,000	1,700	3,100	2

Model	Fork Positioner Pressure		Rotation Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
Fork Positioners - Rotating					
RP 15	1,450	1,740	1,890	2,470	2
RP 22	1,450	1,740	1,890	2,470	2
RP 35	1,450	1,740	1,890	2,470	2
RP 40	1,450	1,740	1,890	2,470	2

Notes:

* Maximum pressure accepted only for positioning of the forks without load.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Special Forks and Fork Adapters

Model

Special fork lengths
Special fork sizes
Knife forks
Forks with chamfers
Special forks

Special Fork Carriers 8" wide

Model

FR 65
FFP 49
SG 70/80

Mounting Options

Consult Bolzoni Auramo for the availability of non-standard or special mountings. These mountings are not included in the attachment price. For a non-standard mounting, detailed information is required from customer.

ITA Lower Quick Disconnect Hooks for models MZ, FR, FFP, LB-LS

Available for fork positioners MZ, FR, FFP, LB-LS, the lower quick disconnect hooks can be manually opened.

Fork mounting class

Class II & III

Load Backrests for Fork Positioners

Load backrest protects the load and driver. Factory mounting only. Given heights are fork positioner total heights measured from ground. Other heights and special models are available on request. For other fork positioner models, please consult Bolzoni Auramo.

Load Backrests for models MZ, FR, FFP

Mounting Class II & III Total Height

32.0" - 39"	48"
39.1" - 48"	48"
48.1" - 56"	48"
56.1" - 62"	48"
62.1" - 73"	48"
73.1" - 78.7"	48"

Mounting Class IV Total Height

42.0" - 48"	48"
48.1" - 62"	48"
62.1" - 73"	48"
73.1" - 79"	48"

Load Backrests for models SG

Number Model Total Height

423307-1200	SG 50	48"
423868-1200	SG 70	48"
423868-1200	SG 80	48"
423307-1500	SG 50	60"
423868-1500	SG 70	60"
423868-1500	SG 80	60"

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Hydraulic Options

03

Installation kit

(Connection hoses)

<i>Function</i>	<i>Number</i>
Single Function	HJL-6-S-30
Two Functions	HJL-6-D-30

Sequence Valve, for models MZ, FR, SG

Permits fork positioning at the end of the sideshift stroke.
Allows fork positioning and sideshifting with a single function auxiliary hydraulic system.

for Model

MZ
SG, FR

Deduct for Non-Sideshifting Fork Positioners

<i>for Model</i>	<i>Mounting Class</i>	<i>becomes Model</i>
MZ	Class II	MX
MZ	Class III	MX
FR	Class IV	FK
FFP	Class II	FFN
FFP	Class III - 6,500 Lbs.	FFN
FFP	Class III - 10,000 Lbs.	FFN

Pressure Relief Valve

Pressure relief valve for one hydraulic function. Choose this option if the lift truck hydraulic pressure exceeds the maximum connection pressure of the attachment.

Number

401900-PR

▶ Working Factors

TYPE OF LOAD

- ☐ Pallets
☐ Bins/Containers
☐ Wood panels
☐ Very wide panels and/or load
☐ Other

PALLET DIMENSION

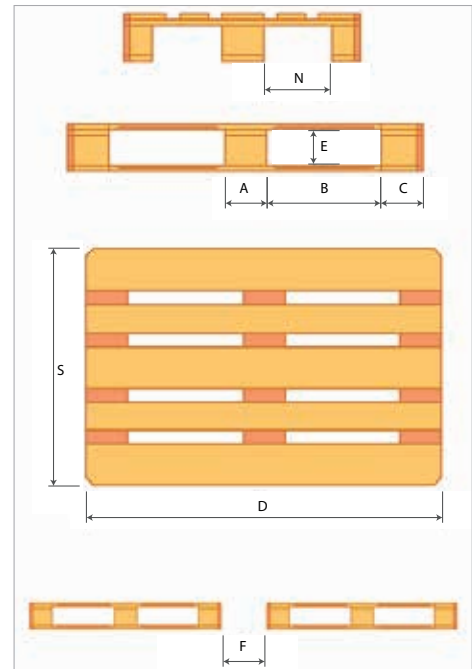
Pallet height in
S in
D in
N in
F in

FORK POCKET DIMENSIONS (BxE)

Required fork width in
Required fork height in
Required fork length in
Shifts per day
Condition of use
Required quantity

LOAD DIMENSIONS

Load height in
Load length in
Load width in
Load weight lb



▶ Forklift Info

Brand
Model
Capacity (lb)
Hooking Type

▶ Customer Info

Name
Phone
Email
State

▶ Notes

NOTES

[illegible]



Pallet Fork Clamps

Models LB-H (<i>Non-Sideshifting</i>)	4-1
Models LS-H (<i>Sideshifting</i>)	4-2

360° Rotating Pallet Fork Clamps

Models LG-H	4-3
Models LG-HC	4-4

Bale Clamps

Models LB-G (<i>Non-Sideshifting</i>)	4-5
Models LS-G (<i>Sideshifting</i>)	4-7

360° Rotating Bale Clamps

Models LG-G	4-9
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Multipurpose Clamps

Models LB-J (<i>Non-Sideshifting</i>)	4-11
Models LS-J (<i>Sideshifting</i>)	4-12

360° Rotating Multipurpose Clamps

Models LG-J	4-13
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Clamps for 1-2 Drums

Models LB-T2 (<i>Non-Sideshifting</i>)	4-14
Models LS-T2 (<i>Sideshifting</i>)	4-14

Clamps for 2-4 Drums

Models LB-T4 (<i>Non-Sideshifting</i>)	4-15
Models LS-T4 (<i>Sideshifting</i>)	4-15

360° Rotating Clamps for 1-2 Drums

Models LG-T2	4-16
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360° Rotating Clamps for 2-4 Drums

Models LG-T4	4-17
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Bar Arm Clamps

Models LB-R (<i>Non-Sideshifting</i>)	4-18
Models LS-R (<i>Sideshifting</i>)	4-19

Clamps with Manually Rotating Forks

Models LB-D (<i>Non-Sideshifting</i>)	4-20
Models LS-D (<i>Sideshifting</i>)	4-21

360° Rotating Clamps with Manually Rotating Forks

Models LG-D	4-22
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Invert a Pallet (Load Turning Clamps)

Models LG-EF	4-23
Models LG-F	4-24

360° Rotating Gaylord Clamps

Models LG-UG	4-25
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Clamps For Foam Rubber Blocks

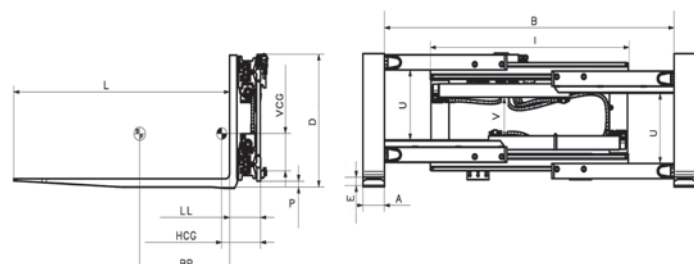
Models LB-N (<i>Non-Sideshifting</i>)	4-26
Models LS-N (<i>Sideshifting</i>)	4-27

Technical Information	4-28
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Accessories and Options	4-29
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04





Range: 1,800 - 19,800 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Forks welded to the arm carriers.

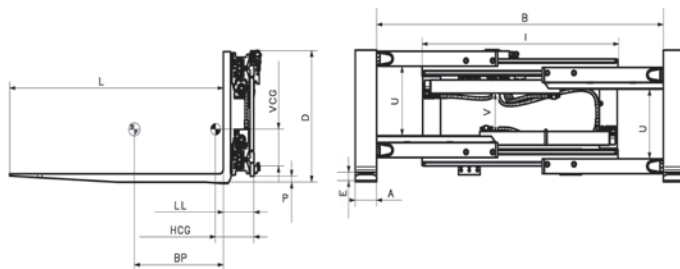
Model	Capacity Lbs. @ 24"		Mounting Class	Frame Width	Opening Range in to in		Fork Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q1	Q2	I	B min - B max	L	A	E	W	LL	HCG	VCG	D	FL	P		
LB 10 H3A	1,800	2,900	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.3"	524	6.5"	7.1"	7.2"	25.0"	27.1"	0.7"	
LB 10 H5A	1,800	2,900	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.3"	544	6.5"	7.6"	7.2"	25.0"	27.1"	0.7"	
LB 10 H6A	1,800	2,900	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.3"	554	6.5"	8.3"	7.2"	25.0"	27.1"	0.7"	
LB 10 H5A-X	1,800	2,900	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.3"	569	6.5"	8.0"	7.2"	25.0"	27.1"	0.7"	
LB 14 H3A	2,500	3,600	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.5"	544	6.5"	7.1"	7.2"	25.0"	27.1"	0.7"	
LB 14 H5A	2,500	3,600	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.5"	568	6.5"	7.6"	7.2"	25.0"	27.1"	0.7"	
LB 14 H6A	2,500	3,600	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.5"	580	6.5"	8.3"	7.2"	25.0"	27.1"	0.7"	
LB 14 H5A-X	2,500	3,600	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.5"	595	6.5"	8.0"	7.2"	25.0"	27.1"	0.7"	
LB 18 H3A	3,200	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	698	6.7"	7.3"	7.0"	25.4"	27.1"	0.7"	
LB 18 H5A	3,200	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	726	6.7"	7.8"	7.0"	25.4"	27.1"	0.7"	
LB 18 H6A	3,200	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	740	6.7"	8.5"	7.0"	25.4"	27.1"	0.7"	
LB 18 H5A-X	3,200	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	755	6.7"	8.2"	7.0"	25.4"	27.1"	0.7"	
LB 22 H3A	4,000	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	698	6.7"	7.3"	7.0"	25.4"	27.1"	0.7"	
LB 22 H5A	4,000	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	726	6.7"	7.8"	7.0"	25.4"	27.1"	0.7"	
LB 22 H6A	4,000	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	740	6.7"	8.5"	7.0"	25.4"	27.1"	0.7"	
LB 22 H5A-X	4,000	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	755	6.7"	8.2"	7.0"	25.4"	27.1"	0.7"	
LB 28 H3B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	35.4"	5.1"	2.0"	785	7.1"	8.4"	8.0"	30.0"	27.1"	0.8"	
LB 28 H5B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	43.3"	5.1"	2.0"	829	7.1"	8.9"	8.0"	30.0"	27.1"	0.8"	
LB 28 H6B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	47.2"	5.1"	2.0"	851	7.1"	9.6"	8.0"	30.0"	27.1"	0.8"	
LB 28 H6B	5,000	7,000	III	38.1"	18.5" - 70.8"	47.2"	5.1"	2.0"	834	7.1"	9.3"	8.0"	30.0"	27.1"	0.8"	
LB 35 H6B	6,300	8,100	III	49.2"	21.6" - 80.7"	47.2"	5.9"	1.9"	1,373	8.4"	8.3"	9.8"	31.0"	36.0"	0.8"	
LB 35 H6B-X	6,300	8,100	III	46.0"	10.2" - 59.4"	47.2"	5.9"	1.9"	1,325	8.4"	8.3"	10.0"	31.0"	36.0"	0.8"	
LB 40 H6B	7,200	9,000	III	49.2"	21.6" - 80.7"	47.2"	5.9"	2.3"	1,514	8.8"	11.7"	8.7"	31.0"	31.2"	0.8"	
LB 40 H6B-X	7,200	9,000	III	46.0"	10.2" - 59.4"	47.2"	5.9"	2.3"	1,413	8.8"	9.0"	9.7"	31.0"	31.2"	0.8"	
LB-H 3-0109K-EU - a	9,200	13,200	IV	53.1"	10.2" - 68.1"	47.2"	5.9"	2.36"	1,766	9.3"	8.1"	-	42.2"	39.8"	2.0"	
LB-H 3-0109K - b	9,200	13,200	IV	53.1"	14.1" - 76.0"	47.2"	5.9"	2.36"	1,799	9.3"	8.1"	-	42.2"	39.8"	2.0"	
LB-H 3-0109K-EU - c	9,200	13,200	IV	59.0"	10.2" - 74.0"	47.2"	5.9"	2.36"	1,820	9.3"	7.9"	-	42.2"	44.1"	2.0"	
LB-H 3-0109K - d	9,200	13,200	IV	59.0"	14.1" - 81.9"	47.2"	5.9"	2.36"	1,854	9.3"	7.9"	-	42.2"	44.1"	2.0"	
LB-H 3-0111K-EU - a	11,000	15,400	IV	59.0"	10.2" - 74.0"	47.2"	5.9"	2.56"	2,030	9.5"	7.7"	-	42.9"	47.6"	1.6"	
LB-H 3-0111K-EU - b	11,000	15,400	IV	64.9"	10.2" - 79.7"	47.2"	5.9"	2.56"	2,140	9.5"	7.5"	-	42.9"	50.0"	1.6"	
LB-H 0111K - c	11,000	15,400	IV	64.9"	14.1" - 87.8"	47.2"	5.9"	2.56"	2,163	9.5"	7.5"	-	42.9"	50.0"	1.6"	
LB-H 3-0111K-EU - d	11,000	15,400	IV	70.8"	10.2" - 58.8"	47.2"	5.9"	2.56"	2,250	9.5"	7.3"	-	42.9"	59.0"	1.6"	
LB-H 3-0111K - e	11,000	15,400	IV	70.8"	14.1" - 93.7"	47.2"	5.9"	2.56"	2,273	9.5"	7.3"	-	42.9"	59.0"	1.6"	
LB-H 3-0114N-EU - a	15,400	19,800	IV	64.9"	10.2" - 79.9"	47.2"	5.9"	2.75"	2,759	10.9"	7.1"	-	45.3"	50.8"	1.0"	
LB-H 3-0114N-EU - b	15,400	19,800	IV	70.8"	10.2" - 85.8"	47.2"	5.9"	2.75"	2,869	10.9"	7.1"	-	45.3"	50.8"	1.0"	
LB-H 3-0114N-EU - c	15,400	19,800	IV	76.8"	10.2" - 91.7"	47.2"	5.9"	2.75"	2,980	10.9"	7.1"	-	45.3"	50.8"	1.0"	

Notes:

- One hydraulic function required.
- Q1 = capacity when clamping
- Q2 = capacity on the forks
- Check valve.
- Pressure relief valve.
- Forks welded to the arm carriers.

Options:

- Special openings and fork lengths.
- Separate sideshift.
- Quick change lower hooks.
- Pressure gauge.
- Load backrest
Class II/III height 48"
Class IV
- Slip-on arms.
- Independent arm control valve.
- Flow divider for equal arm movement.



Range: 1,800 - 19,800 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Forks welded to the arm carriers.

04

Model	Capacity Lbs. @ 24"		Mounting Class	Frame Width		Opening Range in to in		Fork Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q1	Q2		I	B min - B max	L	A	E	W	LL	HCG	VCG	D	FL	P		
LS 10 H3A	1,800	2,900	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.3"	524	6.5"	7.1"	7.2"	25.0"	27.1"	0.7"		
LS 10 H5A	1,800	2,900	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.3"	544	6.5"	7.6"	7.2"	25.0"	27.1"	0.7"		
LS 10 H6A	1,800	2,900	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.3"	554	6.5"	8.3"	7.2"	25.0"	27.1"	0.7"		
LS 10 H5A-X	1,800	2,900	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.3"	569	6.5"	8.0"	7.2"	25.0"	27.1"	0.7"		
LS 14 H3A	2,500	3,600	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.5"	544	6.5"	7.1"	7.2"	25.0"	27.1"	0.7"		
LS 14 H5A	2,500	3,600	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.5"	568	6.5"	7.6"	7.2"	25.0"	27.1"	0.7"		
LS 14 H6A	2,500	3,600	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.5"	580	6.5"	8.3"	7.2"	25.0"	27.1"	0.7"		
LS 14 H5A-X	2,500	3,600	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.5"	595	6.5"	8.0"	7.2"	25.0"	27.1"	0.7"		
LS 18 H3A	3,200	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	698	6.7"	7.3"	7.0"	25.4"	27.1"	0.7"		
LS 18 H5A	3,200	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	726	6.7"	7.8"	7.0"	25.4"	27.1"	0.7"		
LS 18 H6A	3,200	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	740	6.7"	8.5"	7.0"	25.4"	27.1"	0.7"		
LS 18 H5A-X	3,200	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	755	6.7"	8.2"	7.0"	25.4"	27.1"	0.7"		
LS 22 H3A	4,000	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	698	6.7"	7.3"	7.0"	25.4"	27.1"	0.7"		
LS 22 H5A	4,000	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	726	6.7"	7.8"	7.0"	25.4"	27.1"	0.7"		
LS 22 H6A	4,000	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	740	6.7"	8.5"	7.0"	25.4"	27.1"	0.7"		
LS 22 H5A-X	4,000	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	755	6.7"	8.2"	7.0"	25.4"	27.1"	0.7"		
LS 28 H3B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	35.4"	5.1"	2.0"	785	7.1"	8.4"	8.0"	30.0"	27.1"	0.8"		
LS 28 H5B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	43.3"	5.1"	2.0"	829	7.1"	8.9"	8.0"	30.0"	27.1"	0.8"		
LS 28 H6B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	47.2"	5.1"	2.0"	851	7.1"	9.6"	8.0"	30.0"	27.1"	0.8"		
LS 28 H6B	5,000	7,000	III	38.1"	18.5" - 70.8"	47.2"	5.1"	2.0"	834	7.1"	9.3"	8.0"	30.0"	27.1"	0.8"		
LS 35 H6B	6,300	8,100	III	49.2"	21.6" - 80.7"	47.2"	5.9"	1.9"	1,373	8.4"	8.3"	9.8"	31.0"	36.0"	0.8"		
LS 35 H6B-X	6,300	8,100	III	46.0"	10.2" - 59.4"	47.2"	5.9"	1.9"	1,325	8.4"	8.3"	10.0"	31.0"	36.0"	0.8"		
LS 40 H6B	7,200	9,000	III	49.2"	21.6" - 80.7"	47.2"	5.9"	2.3"	1,514	8.8"	11.7"	8.7"	31.0"	31.2"	0.8"		
LS 40 H6B-X	7,200	9,000	III	46.0"	10.2" - 59.4"	47.2"	5.9"	2.3"	1,413	8.8"	9.0"	9.7"	31.0"	31.2"	0.8"		
LS-H 3-0109K-EU - a	9,200	13,200	IV	53.1"	10.2" - 68.1"	47.2"	5.9"	2.36"	1,766	9.3"	8.1"	-	42.2"	39.8"	2.0"		
LS-H 3-0109K - b	9,200	13,200	IV	53.1"	14.1" - 76.0"	47.2"	5.9"	2.36"	1,799	9.3"	8.1"	-	42.2"	39.8"	2.0"		
LS-H 3-0109K-EU - c	9,200	13,200	IV	59.0"	10.2" - 74.0"	47.2"	5.9"	2.36"	1,820	9.3"	7.9"	-	42.2"	44.1"	2.0"		
LS-H 3-0109K - d	9,200	13,200	IV	59.0"	14.1" - 81.9"	47.2"	5.9"	2.36"	1,854	9.3"	7.9"	-	42.2"	44.1"	2.0"		
LS-H 3-0111K-EU - a	11,000	15,400	IV	59.0"	10.2" - 74.0"	47.2"	5.9"	2.56"	2,030	9.5"	7.7"	-	42.9"	47.6"	1.6"		
LS-H 3-0111K-EU - b	11,000	15,400	IV	64.9"	10.2" - 79.7"	47.2"	5.9"	2.56"	2,140	9.5"	7.5"	-	42.9"	50.0"	1.6"		
LS-H 3-0111K - c	11,000	15,400	IV	64.9"	14.1" - 87.8"	47.2"	5.9"	2.56"	2,163	9.5"	7.5"	-	42.9"	50.0"	1.6"		
LS-H 3-0111K-EU - d	11,000	15,400	IV	70.8"	10.2" - 58.8"	47.2"	5.9"	2.56"	2,250	9.5"	7.3"	-	42.9"	59.0"	1.6"		
LS-H 3-0111K - e	11,000	15,400	IV	70.8"	14.1" - 93.7"	47.2"	5.9"	2.56"	2,273	9.5"	7.3"	-	42.9"	59.0"	1.6"		
LS-H 3-0114N-EU - a	15,400	19,800	IV	64.9"	10.2" - 79.9"	47.2"	5.9"	2.75"	2,759	10.9"	7.1"	-	45.3"	50.8"	1.0"		
LS-H 3-0114N-EU - b	15,400	19,800	IV	70.8"	10.2" - 85.8"	47.2"	5.9"	2.75"	2,869	10.9"	7.1"	-	45.3"	50.8"	1.0"		
LS-H 3-0114N-EU - c	15,400	19,800	IV	76.8"	10.2" - 91.7"	47.2"	5.9"	2.75"	2,980	10.9"	7.1"	-	45.3"	50.8"	1.0"		

Notes:

- Two hydraulic functions required.
- Q1 = capacity when clamping
- Q2 = capacity on the forks.
- Check valve.
- Pressure relief valve.
- Forks welded to the arm carriers.
- Internal sideshift.

Options:

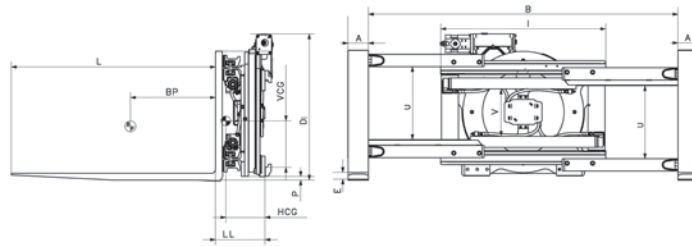
- Special openings and fork lengths.
- Quick change lower hooks.
- Pressure gauge.
- Load backrest
Class II/III height 48"
- Class IV
- Slip-on arms.
- Flow divider for equal arm movement.

Range: 1,800 - 9,000 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- 360° continuous rotation in both directions.
- Forks welded to the arm carriers.
- Commonly used to empty containers and bins in foundries, food and agriculture industries.

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Model	Capacity Lbs. @ 24"		Mounting Class	Frame Width	Opening Range in to in		Fork Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Minimum Carriage Width	Height	Ground Clearance
	Q1	Q2			I	B min - B max	L	A	E							
LG 10 H3A	1,800	2,900	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.3"	806	10.8"	9.0"	8.7"	22.8"	29.3"	0.7"	
LG 10 H5A	1,800	2,900	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.3"	833	10.8"	9.0"	8.7"	22.8"	29.3"	0.7"	
LG 10 H6A	1,800	2,900	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.3"	846	10.8"	9.0"	8.7"	22.8"	29.3"	0.7"	
LG 10 H5A-X	1,800	2,900	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.3"	846	10.8"	9.1"	8.7"	22.8"	29.3"	0.7"	
LG 14 H3A	2,500	3,600	II	36.6"	18.5" - 66.9"	35.4"	3.9"	1.5"	838	10.9"	8.6"	8.7"	22.8"	29.3"	0.7"	
LG 14 H5A	2,500	3,600	II	36.6"	18.5" - 66.9"	43.3"	3.9"	1.5"	864	11.0"	9.0"	8.7"	22.8"	29.3"	0.7"	
LG 14 H6A	2,500	3,600	II	36.6"	18.5" - 66.9"	47.2"	3.9"	1.5"	877	11.0"	9.5"	8.6"	22.8"	29.3"	0.7"	
LG 14 H5A-X	2,500	3,600	II	41.3"	13.7" - 62.2"	43.3"	3.9"	1.5"	891	11.0"	9.2"	9.8"	22.8"	29.3"	0.7"	
LG 18 H3A	3,200	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	965	10.9"	9.5"	8.6"	22.8"	29.3"	0.7"	
LG 18 H5A	3,200	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	983	11.0"	9.7"	8.6"	22.8"	29.3"	0.7"	
LG 18 H6A	3,200	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	1,031	11.0"	9.8"	8.6"	22.8"	29.3"	0.7"	
LG 18 H5A-X	3,200	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	992	11.0"	9.3"	8.6"	22.8"	29.3"	0.7"	
LG 22 H3A	4,000	4,500	II	38.1"	18.5" - 70.8"	35.4"	5.1"	1.5"	965	10.9"	9.5"	8.6"	22.8"	29.3"	0.7"	
LG 22 H5A	4,000	4,500	II	38.1"	18.5" - 70.8"	43.3"	5.1"	1.5"	983	11.0"	9.7"	8.6"	22.8"	29.3"	0.7"	
LG 22 H6A	4,000	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.1"	1.5"	1,031	11.0"	9.8"	8.6"	22.8"	29.3"	0.7"	
LG 22 H5A-X	4,000	4,500	II	43.3"	11.8" - 62.5"	43.3"	5.1"	1.5"	992	11.0"	9.3"	8.6"	22.8"	29.3"	0.7"	
LG 28 H3B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	35.4"	5.1"	2.0"	1,266	11.8"	9.4"	10.6"	34.2"	33.6"	0.8"	
LG 28 H5B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	43.3"	5.1"	2.0"	1,310	11.8"	9.5"	10.6"	34.2"	33.6"	0.8"	
LG 28 H6B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	47.2"	5.1"	2.0"	1,332	11.8"	9.6"	10.6"	34.2"	33.6"	0.8"	
LG 28 H6B	5,000	7,000	III	38.1"	18.5" - 70.8"	47.2"	5.1"	2.0"	1,300	11.8"	9.6"	10.6"	34.2"	33.6"	0.8"	
LG 32 H6B-W	5,000	7,000	II/III ①	43.3"	17.7" - 70.1"	47.2"	5.9"	2.0"	1,852	13.0"	10.5"	13.2"	36.6"	33.6"	0.8"	
LG 35 H6B	6,300	8,100	III	49.2"	21.6" - 80.7"	47.2"	5.9"	1.9"	1,896	13.1"	10.4"	10.8"	34.2"	33.6"	0.8"	
LG 35 H6B-X	6,300	8,100	III	46.0"	10.2" - 59.4"	47.2"	5.9"	1.9"	1,752	13.5"	11.9"	10.0"	34.2"	33.6"	0.8"	
LG 40 H6B	7,200	9,000	III	49.2"	21.6" - 80.7"	47.2"	5.9"	2.3"	1,982	13.5"	12.1"	10.0"	34.2"	33.6"	0.8"	
LG 40 H6B-X	7,200	9,000	III	46.0"	10.2" - 59.4"	47.2"	5.9"	2.3"	1,843	13.5"	12.0"	10.0"	34.2"	33.6"	0.8"	

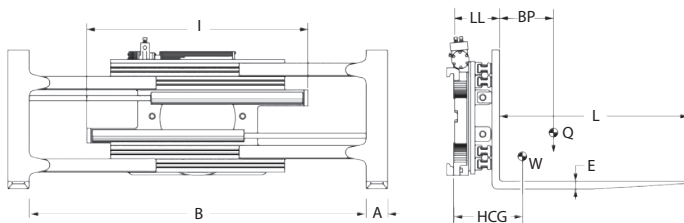
Notes:

- Two hydraulic functions required.
- Q1 = when clamping without rotation; or when rotating without clamping.
- Q2 = capacity on the forks.
- The capacities when clamping depend on the load type and configuration.
- Pressure relief valve.
- Swivel block.
- Double check valve.
- Forks welded directly to the carriers.
- Model LG 32 H6B-W is especially dedicated for recycling. It has a protective plate for motor and valve.

① Dual drilled Class II/III. Please, specify mounting class on order.

Options:

- Special openings.
- Different fork lengths.
- Separate sideshift:
 - ITA Class II
 - ITA Class III
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Slip-on arms.
- Four stage pressure relief valve.
- Class IV conversion for model LG40



Range: 8,800 - 17,600 Lbs.

Features:

- The 360° rotating fork clamp model LG-HC class IV is a multi-functional unit in the best sense.
- It can be used to lift all conventional pallets, wide loads and clamp loads not on pallets, either with the forks alone or with slip-on arms for brick/blocks, drums, bales etc.
- The continuous rotation in either direction adds to the handling options.

04

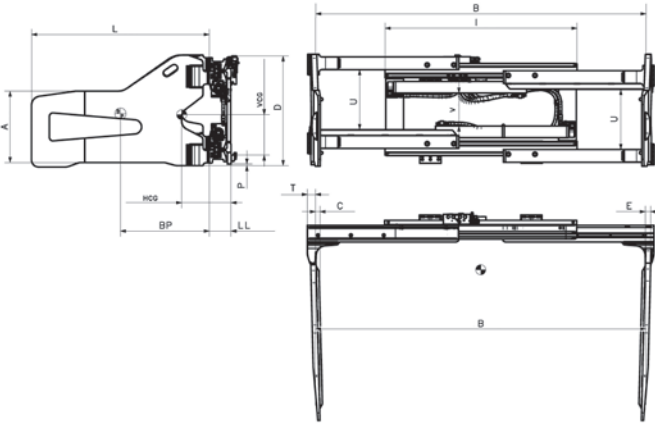
Model	Capacity Lbs.	Load Center	Mounting Class	Frame Width	Opening Range in to in		Fork Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Minimum Carriage Width
	Q_1, Q_2	BP		I	B min	B max	L	A	E	W	LL	HCG	VCG	FL
LG 40 6H6C EU	8,800/11,000	24"	IV	53.0"	10.2"	68.1"	47.2"	5.9"	2.4"	2,490	13.4"	8.9"	13.4"	39.4"
LG 40 6H6C	8,800/11,000	24"	IV	59.0"	16.1"	85.8"	47.2"	5.9"	2.4"	2,623	13.4"	8.7"	13.4"	39.4"
LG 45 H6C EU	9,900/13,200	24"	IV	59.0"	10.2"	74.0"	47.2"	5.9"	2.4"	2,645	13.5"	8.9"	13.4"	39.4"
LG 45 H6C	9,900/13,200	24"	IV	65.0"	16.1"	91.7"	47.2"	5.9"	2.4"	2,822	13.5"	7.9"	13.4"	39.4"
LG 60 H6C EU	13,200/17,600	24"	IV	65.0"	6.3"	76.0"	47.2"	7.9"	2.4"	3,108	14.6"	9.0"	14.2"	39.4"
LG 60 H6C	13,200/17,600	24"	IV	75.0"	12.2"	97.6"	47.2"	7.9"	2.4"	3,395	14.6"	8.7"	14.2"	39.4"
LG 65 H6C	15,500/17,600	31"	IV	79.0"	16.5"	105.5"	47.2"	7.9"	2.4"	4,497	15.7"	9.8"	15.0"	47.3"

Notes:

- Two hydraulic functions required.
- 'EU' models for Europallet handling.
- Pressure relief valve.
- Forks welded to the arm carriers.
- In hard applications and with forks above 59" we recommend the use of bolt-on forks.

Options:

- Special openings, capacities.
- Different fork lengths.
- Separate sideshift:
ITA Class IV.....
- Quick change lower hooks.
- Pressure gauge.
- Solenoid valve.
- Solenoid valve control kit (cable drum, push button, relay)
- Motor and brake protection.
- Bolt-on forks.
- Slip-on arms.



Range: 2,500 - 8,800 Lbs.

Features:

- Commonly used for handling pulp bales in the paper industry, as well as for bales of cotton, wool, tobacco, fabrics and other baled materials.
- Strong double T-profile frame.
- Slim arms for easy knifing between bale stacks.
- Check and pressure adjustment valve.
- Excellent visibility.
- The valve and the cylinder rods are protected in every opening position.
- Reduced weight, effective thickness and center of gravity.

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Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance
	Q	I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	C	P	
LB 14 G2A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	27.5"	1.1"	1.8"	628	4.5"	8.2"	9.2"	24.3"	27.1"	0.7"	0.2"
LB 14 G3A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	35.4"	1.1"	1.8"	687	4.5"	10.1"	8.7"	24.3"	27.1"	0.7"	0.2"
LB 14 G4A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	39.4"	1.1"	1.8"	725	4.5"	11.8"	8.8"	24.3"	27.1"	0.9"	0.2"
LB 14 G2A	2,500	II	36.6"	22.8"	71.2"	15.7"	27.5"	1.1"	1.8"	661	4.5"	8.2"	9.2"	24.3"	27.1"	0.7"	0.2"
LB 14 G3A	2,500	II	36.6"	22.8"	71.2"	15.7"	35.4"	1.1"	1.8"	714	4.5"	10.3"	9.1"	24.3"	27.1"	0.7"	0.2"
LB 14 G4A	2,500	II	36.6"	22.8"	71.2"	15.7"	39.4"	1.1"	1.8"	754	4.5"	11.6"	8.8"	24.3"	27.1"	0.9"	0.2"
LB 14 G6A	2,500	II	36.6"	22.8"	71.2"	15.7"	47.2"	1.1"	1.8"	818	4.5"	13.9"	8.7"	24.3"	27.1"	1.1"	0.2"
LB 22 G2A	4,000	II	38.1"	25.1"	77.5"	15.7"	27.5"	1.1"	1.8"	708	4.8"	8.4"	9.2"	24.5"	27.1"	0.8"	0.3"
LB 22 G3A	4,000	II	38.1"	25.1"	77.5"	15.7"	35.4"	1.1"	1.8"	771	4.8"	10.2"	8.9"	24.5"	27.1"	0.8"	0.3"
LB 22 G4A	4,000	II	38.1"	25.1"	77.5"	15.7"	39.4"	1.1"	1.8"	822	4.8"	10.9"	9.2"	24.5"	27.1"	1.0"	0.3"
LB 22 G6A	4,000	II	38.1"	25.1"	77.5"	15.7"	47.2"	1.1"	1.8"	875	4.8"	13.3"	8.7"	24.5"	27.1"	1.1"	0.3"
LB 22 G2A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	27.5"	1.1"	1.8"	713	4.8"	8.0"	9.4"	24.5"	27.1"	1.1"	0.3"
LB 22 G3A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	35.4"	1.1"	1.8"	776	4.8"	10.0"	9.1"	24.5"	27.1"	1.1"	0.3"
LB 22 G4A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	39.4"	1.1"	1.8"	827	4.8"	11.1"	9.0"	24.5"	27.1"	1.1"	0.3"
LB 22 G6A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	47.2"	1.1"	1.8"	880	4.8"	13.3"	8.7"	24.5"	27.1"	1.1"	0.3"
* LBC 22 G2A	4,850	II	64.2"	22.4"	94.9"	17.7"	27.6"	1.3"	1.3"	1,369	5.6"	6.2"	9.4"	27.9"	40.3"	0.8"	0.1"
* LBC 22 G2B	4,850	III	64.2"	22.4"	94.9"	17.7"	27.6"	1.3"	1.3"	1,369	7.2"	7.7"	9.4"	27.9"	40.3"	0.8"	0.1"
LB 25 G2B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	27.5"	1.3"	2.1"	820	4.8"	8.3"	11.1"	28.9"	27.1"	0.4"	0.4"
LB 25 G3B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	35.4"	1.3"	2.1"	901	4.8"	10.4"	10.8"	28.9"	27.1"	0.6"	0.4"
LB 25 G4B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	39.4"	1.3"	2.1"	937	4.8"	11.5"	10.6"	28.9"	27.1"	0.7"	0.4"
LB 25 G6B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	47.2"	1.3"	2.1"	1,012	4.8"	13.5"	10.4"	28.9"	27.1"	0.9"	0.4"

* LBC COTTON BALE CLAMP. OPENING RANGE INSIDE RIBS AT TIP OF ARM 19.4" - 91.9"

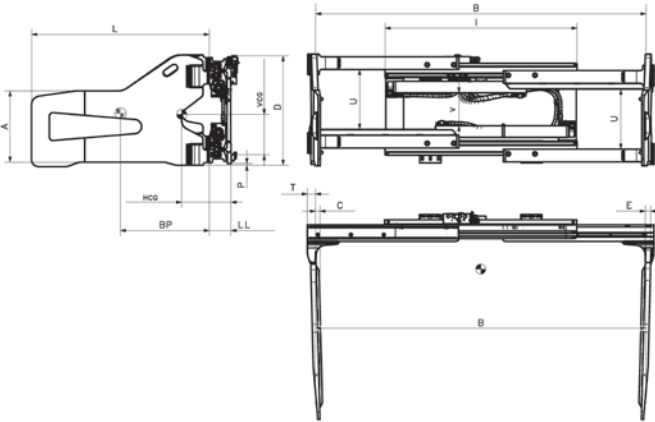
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance
	Q	I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	C	P	
LB 32 G4B	7,000	III	47.2"	19.7"	72.8"	17.7"	39.4"	1.6"	2.7"	1,424	5.5"	11.1"	11.0"	33.1"	36.6"	0.7"	0.2"
LB 32 G6B	7,000	III	47.2"	19.7"	72.8"	17.7"	47.2"	1.6"	2.7"	1,530	5.5"	12.5"	11.0"	33.1"	36.6"	0.8"	0.2"
LB 32 G4B	7,000	III	50.4"	19.7"	76.8"	17.7"	39.4"	1.6"	2.7"	1,457	5.5"	10.8"	11.0"	33.1"	36.6"	0.7"	0.2"
LB 32 G6B	7,000	III	50.4"	19.7"	76.8"	17.7"	47.2"	1.6"	2.7"	1,552	5.5"	12.5"	10.7"	33.1"	36.6"	0.8"	0.2"
LB 32 G4B	7,000	III	49.2"	20.5"	77.6"	17.7"	39.4"	1.6"	2.7"	1,495	5.5"	12.1"	11.0"	33.1"	36.6"	0.6"	0.2"
LB 32 G6B	7,000	III	49.2"	20.5"	77.6"	17.7"	47.2"	1.6"	2.7"	1,587	5.5"	10.6"	11.3"	33.1"	36.6"	0.7"	0.2"
LB 32 G4B	7,000	III	50.4"	23.2"	83.8"	17.7"	39.4"	1.6"	2.7"	1,521	5.5"	10.4"	11.3"	33.1"	36.6"	0.6"	0.2"
LB 32 G6B	7,000	III	50.4"	23.2"	83.8"	17.7"	47.2"	1.6"	2.7"	1,570	5.5"	12.4"	10.8"	33.1"	36.6"	0.8"	0.2"
LB 32 G4B	7,000	III	55.9"	25.2"	93.3"	17.7"	39.4"	1.6"	2.7"	1,510	5.5"	10.5"	11.3"	33.1"	36.6"	0.6"	0.2"
LB 32 G6B	7,000	III	55.9"	25.2"	93.3"	17.7"	47.2"	1.6"	2.7"	1,627	5.5"	12.1"	11.0"	33.1"	36.6"	0.8"	0.2"
LB 32 G8B	7,000	III	55.9"	25.2"	93.3"	17.7"	59.0"	1.6"	2.7"	1,819	5.5"	15.9"	10.5"	33.1"	36.6"	0.9"	0.2"
LB 40 G4B	8,800	III	49.2"	20.8"	77.9"	17.7"	39.4"	1.8"	3.0"	1,675	6.0"	10.7"	11.7"	32.9"	43.9"	0.6"	0.2"
LB 40 G6B	8,800	III	49.2"	20.8"	77.9"	17.7"	47.2"	1.8"	3.0"	1,763	6.0"	12.3"	11.4"	32.9"	43.9"	0.7"	0.2"
LB 40 G4B	8,800	III	50.4"	23.2"	83.8"	17.7"	39.4"	1.8"	3.0"	1,697	6.0"	10.6"	11.7"	32.9"	43.9"	0.6"	0.2"
LB 40 G6B	8,800	III	50.4"	23.2"	83.8"	17.7"	47.2"	1.8"	3.0"	1,742	6.0"	12.5"	11.2"	32.9"	43.9"	0.8"	0.2"
LB 40 G4B	8,800	III	59.0"	23.6"	93.3"	17.7"	39.4"	1.8"	3.0"	1,748	6.0"	10.2"	11.7"	32.9"	43.9"	0.6"	0.2"
LB 40 G6B	8,800	III	59.0"	23.6"	93.3"	17.7"	47.2"	1.8"	3.0"	1,836	6.0"	12.0"	11.3"	32.9"	43.9"	0.8"	0.2"
LB 40 G8B	8,800	III	59.0"	23.6"	93.3"	17.7"	59.0"	1.8"	3.0"	2,087	6.0"	15.3"	11.0"	32.9"	43.9"	1.0"	0.2"
LB 40 G9B	8,800	III	59.0"	23.6"	93.3"	17.7"	66.9"	2.0"	3.2"	2,200	6.0"	17.6"	10.7"	32.9"	43.9"	1.1"	0.2"
LB 40 G4B	8,800	III	62.6"	29.1"	103.9"	17.7"	39.4"	1.8"	3.0"	1,810	6.0"	10.0"	11.7"	32.9"	43.9"	0.6"	0.2"
LB 40 G6B	8,800	III	62.6"	29.1"	103.9"	17.7"	47.2"	1.8"	3.0"	1,894	6.0"	11.5"	11.5"	32.9"	43.9"	0.8"	0.2"
LB 40 G8B	8,800	III	62.6"	29.1"	103.9"	17.7"	59.0"	1.8"	3.0"	2,147	6.0"	15.0"	11.0"	32.9"	43.9"	1.0"	0.2"
LB 40 G9B	8,800	III	62.6"	29.1"	103.9"	17.7"	66.9"	2.0"	3.2"	2,260	6.0"	17.3"	10.8"	32.9"	43.9"	1.1"	0.2"

Notes:

- One hydraulic function.
- E= arm thickness, without rib.
- T= arm thickness at the base, without rib.
- LBC models for cotton bales handling. With dual mounting: Class II and III.
- Pressure relief valve.
- Arms welded directly to the guides.
- Check valve.

Options:

- Special openings.
- Pressure gauge.
- Load backrest.
- Arms of various dimensions.
- Independent arm control valve.
- Flow divider for equal arm movement.
- Quick-change lower hooks.



Range: 2,500 - 8,800 Lbs.

Features:

- Commonly used for handling pulp bales in the paper industry, as well as for bales of cotton, wool, tobacco, fabrics and other baled materials.
- Strong double T-profile frame.
- Slim arms for easy knifing between bale stacks.
- Check and pressure adjustment valve.
- Excellent visibility.
- The valve and the cylinder rods are protected in every opening position.
- Reduced weight, effective thickness and center of gravity.

04

Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance
	Q	I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	C	P	
LS 14 G2A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	27.5"	1.1"	1.8"	628	4.5"	8.2"	9.2"	24.3"	27.1"	0.7"	0.2"
LS 14 G3A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	35.4"	1.1"	1.8"	687	4.5"	10.1"	8.7"	24.3"	27.1"	0.7"	0.2"
LS 14 G4A-Z	2,500	II	34.2"	18.1"	59.4"	15.7"	39.4"	1.1"	1.8"	725	4.5"	11.8"	8.8"	24.3"	27.1"	0.9"	0.2"
LS 14 G2A	2,500	II	36.6"	22.8"	71.2"	15.7"	27.5"	1.1"	1.8"	661	4.5"	8.2"	9.2"	24.3"	27.1"	0.7"	0.2"
LS 14 G3A	2,500	II	36.6"	22.8"	71.2"	15.7"	35.4"	1.1"	1.8"	714	4.5"	10.3"	9.1"	24.3"	27.1"	0.7"	0.2"
LS 14 G4A	2,500	II	36.6"	22.8"	71.2"	15.7"	39.4"	1.1"	1.8"	754	4.5"	11.6"	8.8"	24.3"	27.1"	0.9"	0.2"
LS 14 G6A	2,500	II	36.6"	22.8"	71.2"	15.7"	47.2"	1.1"	1.8"	818	4.5"	13.9"	8.7"	24.3"	27.1"	1.1"	0.2"
LS 22 G2A	4,000	II	38.1"	25.1"	77.5"	15.7"	27.5"	1.1"	1.8"	708	4.8"	8.4"	9.2"	24.5"	27.1"	0.8"	0.3"
LS 22 G3A	4,000	II	38.1"	25.1"	77.5"	15.7"	35.4"	1.1"	1.8"	771	4.8"	10.2"	8.9"	24.5"	27.1"	0.8"	0.3"
LS 22 G4A	4,000	II	38.1"	25.1"	77.5"	15.7"	39.4"	1.1"	1.8"	822	4.8"	10.9"	9.2"	24.5"	27.1"	1.0"	0.3"
LS 22 G6A	4,000	II	38.1"	25.1"	77.5"	15.7"	47.2"	1.1"	1.8"	875	4.8"	13.3"	8.7"	24.5"	27.1"	1.1"	0.3"
LS 22 G2A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	27.5"	1.1"	1.8"	713	4.8"	8.0"	9.4"	24.5"	27.1"	1.1"	0.3"
LS 22 G3A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	35.4"	1.1"	1.8"	776	4.8"	10.0"	9.1"	24.5"	27.1"	1.1"	0.3"
LS 22 G4A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	39.4"	1.1"	1.8"	827	4.8"	11.1"	9.0"	24.5"	27.1"	1.1"	0.3"
LS 22 G6A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	47.2"	1.1"	1.8"	880	4.8"	13.3"	8.7"	24.5"	27.1"	1.1"	0.3"
* LSC 22 G2A	4,850	II	64.2"	22.4"	94.9"	17.7"	27.6"	1.3"	1.3"	1,369	5.6"	6.2"	9.4"	27.9"	40.3"	0.8"	0.1"
* LSC 22 G2B	4,850	III	64.2"	22.4"	94.9"	17.7"	27.6"	1.3"	1.3"	1,369	7.2"	7.7"	9.4"	27.9"	40.3"	0.8"	0.1"
LS 25 G2B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	27.5"	1.3"	2.1"	820	4.8"	8.3"	11.1"	28.9"	27.1"	0.4"	0.4"
LS 25 G3B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	35.4"	1.3"	2.1"	901	4.8"	10.4"	10.8"	28.9"	27.1"	0.6"	0.4"
LS 25 G4B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	39.4"	1.3"	2.1"	937	4.8"	11.5"	10.6"	28.9"	27.1"	0.7"	0.4"
LS 25 G6B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	47.2"	1.3"	2.1"	1,012	4.8"	13.5"	10.4"	28.9"	27.1"	0.9"	0.4"

* LSC COTTON BALE CLAMP. OPENING RANGE INSIDE RIBS AT TIP OF ARM 19.4" - 91.9"

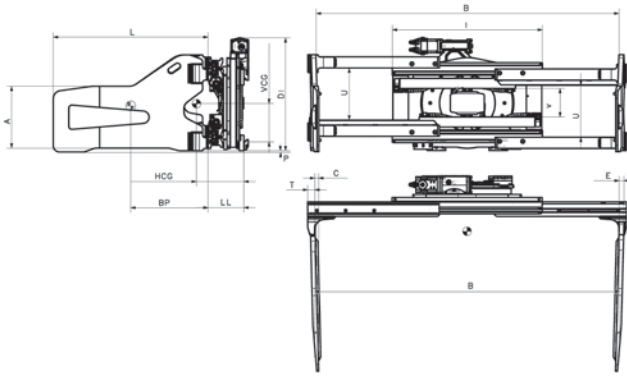
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance
	Q	I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	C	P	
LS 32 G4B	7,000	III	47.2"	19.7"	72.8"	17.7"	39.4"	1.6"	2.7"	1,424	5.5"	11.1"	11.0"	33.1"	36.6"	0.7"	0.2"
LS 32 G6B	7,000	III	47.2"	19.7"	72.8"	17.7"	47.2"	1.6"	2.7"	1,530	5.5"	12.5"	11.0"	33.1"	36.6"	0.8"	0.2"
LS 32 G4B	7,000	III	50.4"	19.7"	76.8"	17.7"	39.4"	1.6"	2.7"	1,457	5.5"	10.8"	11.0"	33.1"	36.6"	0.7"	0.2"
LS 32 G6B	7,000	III	50.4"	19.7"	76.8"	17.7"	47.2"	1.6"	2.7"	1,552	5.5"	12.5"	10.7"	33.1"	36.6"	0.8"	0.2"
LS 32 G4B	7,000	III	49.2"	20.5"	77.6"	17.7"	39.4"	1.6"	2.7"	1,495	5.5"	12.1"	11.0"	33.1"	36.6"	0.6"	0.2"
LS 32 G6B	7,000	III	49.2"	20.5"	77.6"	17.7"	47.2"	1.6"	2.7"	1,587	5.5"	10.6"	11.3"	33.1"	36.6"	0.7"	0.2"
LS 32 G4B	7,000	III	50.4"	23.2"	83.8"	17.7"	39.4"	1.6"	2.7"	1,521	5.5"	10.4"	11.3"	33.1"	36.6"	0.6"	0.2"
LS 32 G6B	7,000	III	50.4"	23.2"	83.8"	17.7"	47.2"	1.6"	2.7"	1,570	5.5"	12.4"	10.8"	33.1"	36.6"	0.8"	0.2"
LS 32 G4B	7,000	III	55.9"	25.2"	93.3"	17.7"	39.4"	1.6"	2.7"	1,510	5.5"	10.5"	11.3"	33.1"	36.6"	0.6"	0.2"
LS 32 G6B	7,000	III	55.9"	25.2"	93.3"	17.7"	47.2"	1.6"	2.7"	1,627	5.5"	12.1"	11.0"	33.1"	36.6"	0.8"	0.2"
LS 32 G8B	7,000	III	55.9"	25.2"	93.3"	17.7"	59.0"	1.6"	2.7"	1,819	5.5"	15.9"	10.5"	33.1"	36.6"	0.9"	0.2"
LS 40 G4B	8,800	III	49.2"	20.8"	77.9"	17.7"	39.4"	1.8"	3.0"	1,675	6.0"	10.7"	11.7"	32.9"	43.9"	0.6"	0.2"
LS 40 G6B	8,800	III	49.2"	20.8"	77.9"	17.7"	47.2"	1.8"	3.0"	1,763	6.0"	12.3"	11.4"	32.9"	43.9"	0.7"	0.2"
LS 40 G4B	8,800	III	50.4"	23.2"	83.8"	17.7"	39.4"	1.8"	3.0"	1,697	6.0"	10.6"	11.7"	32.9"	43.9"	0.6"	0.2"
LS 40 G6B	8,800	III	50.4"	23.2"	83.8"	17.7"	47.2"	1.8"	3.0"	1,742	6.0"	12.5"	11.2"	32.9"	43.9"	0.8"	0.2"
LS 40 G4B	8,800	III	59.0"	23.6"	93.3"	17.7"	39.4"	1.8"	3.0"	1,748	6.0"	10.2"	11.7"	32.9"	43.9"	0.6"	0.2"
LS 40 G6B	8,800	III	59.0"	23.6"	93.3"	17.7"	47.2"	1.8"	3.0"	1,836	6.0"	12.0"	11.3"	32.9"	43.9"	0.8"	0.2"
LS 40 G8B	8,800	III	59.0"	23.6"	93.3"	17.7"	59.0"	1.8"	3.0"	2,087	6.0"	15.3"	11.0"	32.9"	43.9"	1.0"	0.2"
LS 40 G9B	8,800	III	59.0"	23.6"	93.3"	17.7"	66.9"	2.0"	3.2"	2,200	6.0"	17.6"	10.7"	32.9"	43.9"	1.1"	0.2"
LS 40 G4B	8,800	III	62.6"	29.1"	103.9"	17.7"	39.4"	1.8"	3.0"	1,810	6.0"	10.0"	11.7"	32.9"	43.9"	0.6"	0.2"
LS 40 G6B	8,800	III	62.6"	29.1"	103.9"	17.7"	47.2"	1.8"	3.0"	1,894	6.0"	11.5"	11.5"	32.9"	43.9"	0.8"	0.2"
LS 40 G8B	8,800	III	62.6"	29.1"	103.9"	17.7"	59.0"	1.8"	3.0"	2,147	6.0"	15.0"	11.0"	32.9"	43.9"	1.0"	0.2"
LS 40 G9B	8,800	III	62.6"	29.1"	103.9"	17.7"	66.9"	2.0"	3.2"	2,260	6.0"	17.3"	10.8"	32.9"	43.9"	1.1"	0.2"

Notes:

- Two hydraulic functions.
- E= arm thickness, without rib.
- T= arm thickness at the base, without rib.
- LSC models for cotton bales handling. With dual mounting: Class II and III.
- Pressure relief valve.
- Arms welded directly to the guides.
- Check valve.
- Integral sideshift.

Options:

- Special openings.
- Pressure gauge.
- Load backrest.
- Arms of various dimensions.
- Flow divider for equal arm movement.
- Quick-change lower hooks.



Range: 2,500 - 8,800 Lbs.

Features:

- Strong double T-profile frame.
- 360° continuous rotation in both directions.
- Slim arms for easy knifing between bale stacks.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.

04

Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance	
	Q	I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D ₁	FL	C	P	
LG 14 G2A-Z	2,500	II	36.6"	17.3"	60.6"	15.7"	27.5"	1.2"	1.8"	927	9.0"	9.7"	9.8"	28.7"	22.8"	0.7"	0.2"
LG 14 G3A-Z	2,500	II	36.6"	17.3"	60.6"	15.7"	35.4"	1.2"	1.8"	993	9.0"	11.4"	9.8"	28.7"	22.8"	0.9"	0.2"
LG 14 G4A-Z	2,500	II	36.6"	17.3"	60.6"	15.7"	39.4"	1.2"	1.8"	1,028	9.0"	12.4"	9.8"	28.7"	22.8"	1.0"	0.2"
LG 14 G2A	2,500	II	36.6"	22.8"	71.2"	15.7"	27.5"	1.2"	1.8"	930	9.0"	9.7"	9.8"	28.7"	22.8"	0.7"	0.2"
LG 14 G3A	2,500	II	36.6"	22.8"	71.2"	15.7"	35.4"	1.2"	1.8"	996	9.0"	11.4"	9.8"	28.7"	22.8"	0.9"	0.2"
LG 14 G4A	2,500	II	36.6"	22.8"	71.2"	15.7"	39.4"	1.2"	1.8"	1,031	9.0"	12.4"	9.9"	28.7"	22.8"	1.0"	0.2"
LG 22 G2A	4,000	II	38.2"	25.2"	77.5"	15.7"	27.5"	1.2"	1.8"	988	9.0"	9.5"	10.0"	28.7"	22.8"	0.7"	0.2"
LG 22 G3A	4,000	II	38.2"	25.2"	77.5"	15.7"	35.4"	1.2"	1.8"	1,047	9.0"	11.1"	9.8"	28.7"	22.8"	0.9"	0.2"
LG 22 G4A	4,000	II	38.2"	25.2"	77.5"	15.7"	39.4"	1.2"	1.8"	1,089	9.0"	12.3"	9.9"	28.7"	22.8"	1.0"	0.2"
LG 22 G6A	4,000	II	38.2"	25.2"	77.5"	15.7"	47.2"	1.2"	1.8"	1,155	9.0"	14.0"	9.5"	28.7"	22.8"	1.2"	0.2"
LG 22 G2A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	27.5"	1.2"	1.8"	988	9.0"	9.4"	10.0"	28.7"	22.8"	0.7"	0.2"
LG 22 G3A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	35.4"	1.2"	1.8"	1,054	9.0"	11.1"	9.8"	28.7"	22.8"	0.9"	0.2"
LG 22 G4A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	39.4"	1.2"	1.8"	1,146	9.0"	12.0"	9.7"	28.7"	22.8"	1.0"	0.2"
LG 22 G6A-X	4,000	II	43.3"	18.4"	69.1"	15.7"	47.2"	1.2"	1.8"	1,155	9.0"	14.0"	9.5"	28.7"	22.8"	1.2"	0.2"
LG 25 G2B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	27.5"	1.2"	1.8"	1,269	9.5"	9.1"	12.3"	33.2"	34.2"	0.7"	0.2"
LG 25 G3B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	35.4"	1.2"	1.8"	1,349	9.5"	10.8"	12.0"	33.2"	34.2"	0.9"	0.2"
LG 25 G4B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	39.4"	1.2"	1.8"	1,389	9.5"	11.6"	11.8"	33.2"	34.2"	1.0"	0.2"
LG 25 G6B-K	4,600	III	43.3"	25.1"	82.5"	15.7"	47.2"	1.2"	1.8"	1,469	9.5"	13.3"	11.6"	33.2"	34.2"	1.2"	0.2"

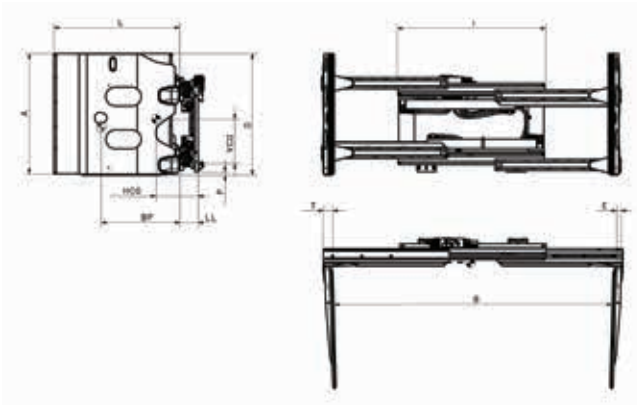
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Ground Clearance
	Q		I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D1	FL	C	P
LG 32 G4B	7,000	III	47.2"	19.7"	72.8"	17.7"	39.4"	1.6"	2.8"	1,953	10.3"	12.1"	11.9"	34.0"	34.2"	0.6"	0.2"
LG 32 G6B	7,000	III	47.2"	19.7"	72.8"	17.7"	47.2"	1.6"	2.8"	2,028	10.3"	13.6"	11.7"	34.0"	34.2"	0.8"	0.2"
LG 32 G4B	7,000	III	49.2"	20.5"	77.6"	17.7"	39.4"	1.6"	2.8"	2,045	10.3"	11.9"	11.8"	34.0"	34.2"	0.6"	0.2"
LG 32 G6B	7,000	III	49.2"	20.5"	77.6"	17.7"	47.2"	1.6"	2.8"	2,098	10.3"	13.4"	11.8"	34.0"	34.2"	0.8"	0.2"
LG 32 G4B	7,000	III	50.4"	19.7"	76.8"	17.7"	39.4"	1.6"	2.8"	2,010	10.3"	12.2"	11.8"	34.0"	34.2"	0.6"	0.2"
LG 32 G6B	7,000	III	50.4"	19.7"	76.8"	17.7"	47.2"	1.6"	2.8"	2,076	10.3"	13.3"	11.6"	34.0"	34.2"	0.8"	0.2"
LG 32 G4B	7,000	III	55.9"	25.6"	93.7"	17.7"	39.4"	1.6"	2.8"	2,107	10.3"	9.5"	12.0"	34.0"	34.2"	0.6"	0.2"
LG 32 G6B	7,000	III	55.9"	25.6"	93.7"	17.7"	47.2"	1.6"	2.8"	2,185	10.3"	13.3"	11.6"	34.0"	34.2"	0.8"	0.2"
LG 32 G8B	7,000	III	55.9"	25.6"	93.7"	17.7"	63.0"	1.6"	2.8"	2,469	10.3"	17.3"	11.2"	34.0"	34.2"	1.0"	0.2"
LG 40 G4B	8,800	III	49.2"	20.9"	78.0"	17.7"	39.4"	1.8"	2.8"	2,160	10.7"	15.2"	10.9"	34.0"	34.2"	0.6"	0.2"
LG 40 G6B	8,800	III	49.2"	20.9"	78.0"	17.7"	47.2"	1.8"	2.8"	2,248	10.7"	17.2"	10.7"	34.0"	34.2"	0.8"	0.2"
LG 40 G4B	8,800	III	50.4"	25.2"	85.8"	17.7"	39.4"	1.8"	2.8"	2,182	10.7"	15.2"	10.9"	34.0"	34.2"	0.6"	0.2"
LG 40 G6B	8,800	III	50.4"	25.2"	85.8"	17.7"	47.2"	1.8"	2.8"	2,227	10.7"	17.2"	10.7"	34.0"	34.2"	0.8"	0.2"
LG 40 G4B	8,800	III	59.0"	23.6"	93.3"	17.7"	39.4"	1.8"	2.8"	2,233	10.7"	15.0"	11.0"	34.0"	34.2"	0.6"	0.2"
LG 40 G6B	8,800	III	59.0"	23.6"	93.3"	17.7"	47.2"	1.8"	2.8"	2,321	10.7"	17.0"	10.8"	34.0"	34.2"	0.8"	0.2"
LG 40 G8B	8,800	III	59.0"	23.6"	93.3"	17.7"	63.0"	2.0"	3.2"	2,641	10.7"	17.9"	11.4"	34.0"	34.2"	1.0"	0.2"
LG 40 G4B	8,800	III	62.6"	29.1"	103.9"	17.7"	39.4"	1.8"	2.8"	2,383	10.7"	12.2"	12.3"	34.0"	34.2"	0.6"	0.2"
LG 40 G6B	8,800	III	62.6"	29.1"	103.9"	17.7"	47.2"	1.8"	2.8"	2,469	10.7"	13.4"	12.0"	34.0"	34.2"	0.8"	0.2"
LG 40 G8B	8,800	III	62.6"	29.1"	103.9"	17.7"	63.0"	2.0"	3.2"	2,773	10.7"	17.5"	11.5"	34.0"	34.2"	1.0"	0.2"

Notes:

- Two hydraulic functions.
- Capacity during rotation depends on the clamping pressure and on the load.
- Pressure relief valve.
- Swivel block.
- Double check valve.
- Arms welded directly to the guides.

Options:

- Special openings.
- Separate sideshift:
 - ITA Class II.....
 - ITA Class III.....
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Arms of various dimensions.
- Four stage pressure relief valve.



Range: 2,500 - 5,000 Lbs.

Features:

- Strong double T-profile frame.
- For the handling of unpalleted loads.
- Bolt-on replaceable rubber pads.
- Safe gripping of the load with rubber, even at reduced clamping pressures.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.

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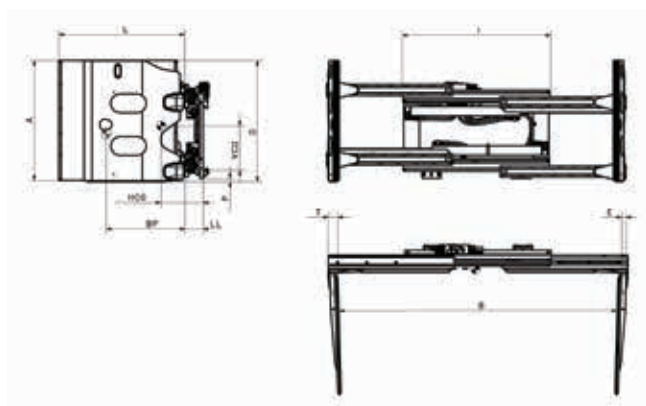
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Total Attachment Height	Minimum Carriage Width	Ground Clearance
	Q		I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	P
LB 14 JAA	2,500	II	36.6"	21.6"	70.0"	18.0"	36.0"	1.2"	2.4"	754	4.5"	9.2"	8.0"	24.2"	27.2"	0.8"
LB 14 JBA	2,500	II	36.6"	21.6"	70.0"	24.0"	30.0"	1.2"	2.4"	767	4.5"	8.5"	8.8"	24.2"	27.2"	0.8"
LB 14 J3A	2,500	II	36.6"	21.6"	70.0"	24.0"	36.0"	1.2"	2.4"	838	4.5"	10.9"	8.7"	24.2"	27.2"	0.8"
LB 14 JCA	2,500	II	36.6"	21.6"	70.0"	30.0"	30.0"	1.2"	2.4"	831	4.5"	10.6"	11.2"	30.3"	27.2"	0.8"
LB 14 J4A	2,500	II	36.6"	21.6"	70.0"	30.0"	36.0"	1.2"	2.4"	846	4.5"	12.2"	11.2"	30.3"	27.2"	0.8"
LB 14 J7A	2,500	II	36.6"	21.6"	70.0"	36.0"	36.0"	1.2"	2.4"	1,020	4.5"	14.2"	12.9"	36.2"	27.2"	0.8"
LB 22 JAA	4,000	II	38.2"	24.4"	76.3"	18.0"	36.0"	1.2"	2.4"	831	4.8"	9.4"	8.3"	24.2"	27.2"	0.8"
LB 22 JBA	4,000	II	38.2"	24.4"	76.3"	24.0"	30.0"	1.2"	2.4"	838	4.8"	8.3"	9.0"	24.2"	27.2"	0.8"
LB 22 J3A	4,000	II	38.2"	24.4"	76.3"	24.0"	36.0"	1.2"	2.4"	915	4.8"	10.2"	8.9"	24.2"	27.2"	0.8"
LB 22 JCA	4,000	II	38.2"	24.4"	76.3"	30.0"	30.0"	1.2"	2.4"	905	4.8"	9.2"	10.1"	30.3"	27.2"	0.8"
LB 22 J4A	4,000	II	38.2"	24.4"	76.3"	30.0"	36.0"	1.2"	2.4"	982	4.8"	11.0"	11.1"	30.3"	27.2"	0.8"
LB 22 J7A	4,000	II	38.2"	24.4"	76.3"	36.0"	36.0"	1.2"	2.4"	1,090	4.8"	13.7"	12.6"	36.2"	27.2"	0.8"
LB 28 J2B	5,000	III	38.2"	24.4"	76.3"	18.0"	30.0"	1.2"	2.4"	904	4.8"	7.6"	9.3"	28.2"	27.2"	0.8"
LB 28 JAB	5,000	III	38.2"	24.4"	76.3"	18.0"	36.0"	1.2"	2.4"	939	4.8"	9.4"	9.1"	28.2"	27.2"	0.8"

Notes:

- One hydraulic function required.
- E= arm thickness with rubber.
- T= arm thickness at the base, with rubber.
- Pressure relief valve and check valve.
- Arms welded directly to carriers.
- No Toe-In on arms.
- Bolt-on replaceable rubber pads, two way reversible.

Options:

- Different openings.
- Arms of various dimensions.
- Load backrest.
- Pressure gauge.
- Flow divider for equal arm movement.
- Quick-change lower hooks.
- Independent arm control valve.
- 4-stage pressure relief valve.



Range: 2,500 - 5,000 Lbs.

Features:

- Strong double T-profile frame.
- For the handling of unpalletized loads.
- Bolt-on replaceable rubber pads.
- Safe gripping of the load with rubber, even at reduced clamping pressures.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.

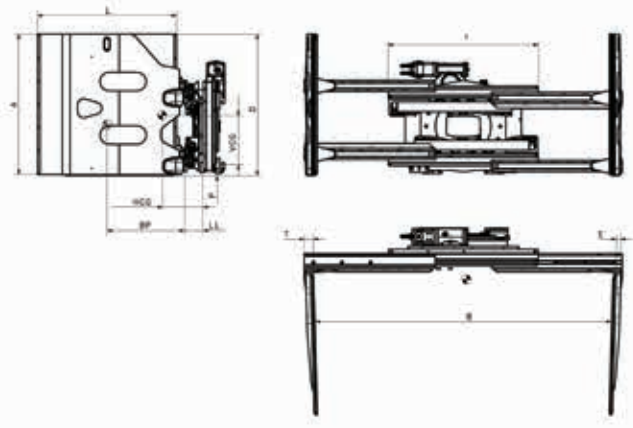
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range		Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Total Attachment Height	Minimum Carriage Width	Ground Clearance
	Q		I	B min	B max	A	L	E	T	W	LL	HCG	VCG	D	FL	P
LS 14 JAA	2,500	II	36.6"	21.6"	70.0"	18.0"	36.0"	1.2"	2.4"	754	4.5"	9.2"	8.0"	24.2"	27.2"	0.8"
LS 14 JBA	2,500	II	36.6"	21.6"	70.0"	24.0"	30.0"	1.2"	2.4"	767	4.5"	8.5"	8.8"	24.2"	27.2"	0.8"
LS 14 J3A	2,500	II	36.6"	21.6"	70.0"	24.0"	36.0"	1.2"	2.4"	838	4.5"	10.9"	8.7"	24.2"	27.2"	0.8"
LS 14 JCA	2,500	II	36.6"	21.6"	70.0"	30.0"	30.0"	1.2"	2.4"	831	4.5"	10.6"	11.2"	30.3"	27.2"	0.8"
LS 14 J4A	2,500	II	36.6"	21.6"	70.0"	30.0"	36.0"	1.2"	2.4"	846	4.5"	12.2"	11.2"	30.3"	27.2"	0.8"
LS 14 J7A	2,500	II	36.6"	21.6"	70.0"	36.0"	36.0"	1.2"	2.4"	1,020	4.5"	14.2"	12.9"	36.2"	27.2"	0.8"
LS 22 JAA	4,000	II	38.2"	24.4"	76.3"	18.0"	36.0"	1.2"	2.4"	831	4.8"	9.4"	8.3"	24.2"	27.2"	0.8"
LS 22 JBA	4,000	II	38.2"	24.4"	76.3"	24.0"	30.0"	1.2"	2.4"	838	4.8"	8.3"	9.0"	24.2"	27.2"	0.8"
LS 22 J3A	4,000	II	38.2"	24.4"	76.3"	24.0"	36.0"	1.2"	2.4"	915	4.8"	10.2"	8.9"	24.2"	27.2"	0.8"
LS 22 JCA	4,000	II	38.2"	24.4"	76.3"	30.0"	30.0"	1.2"	2.4"	905	4.8"	9.2"	10.1"	30.3"	27.2"	0.8"
LS 22 J4A	4,000	II	38.2"	24.4"	76.3"	30.0"	36.0"	1.2"	2.4"	982	4.8"	11.0"	11.1"	30.3"	27.2"	0.8"
LS 22 J7A	4,000	II	38.2"	24.4"	76.3"	36.0"	36.0"	1.2"	2.4"	1,090	4.8"	13.7"	12.6"	36.2"	27.2"	0.8"
LS 28 J2B	5,000	III	38.2"	24.4"	76.3"	18.0"	30.0"	1.2"	2.4"	904	4.8"	7.6"	9.3"	28.2"	27.2"	0.8"
LS 28 JAB	5,000	III	38.2"	24.4"	76.3"	18.0"	36.0"	1.2"	2.4"	939	4.8"	9.4"	9.1"	28.2"	27.2"	0.8"

Notes:

- Two hydraulic functions required.
- E= arm thickness with rubber.
- T= arm thickness at the base, with rubber.
- Pressure relief valve and check valve.
- Arms welded directly to carriers.
- No Toe-In on arms.
- Bolt-on replaceable rubber pads, two way reversible.
- Integral sideshift.

Options:

- Different openings.
- Arms of various dimensions.
- Load backrest.
- Pressure gauge.
- Flow divider for equal arm movement.
- Quick-change lower hooks.
- 4-stage pressure relief valve.



Range: 2,500 - 5,000 Lbs.

Features:

- 360° continuous rotation in both directions.
- Strong double T-profile frame.
- For the handling of unpalletized loads.
- Bolt-on replaceable rubber pads.
- Safe gripping of the load with rubber, even at reduced clamping pressures.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.

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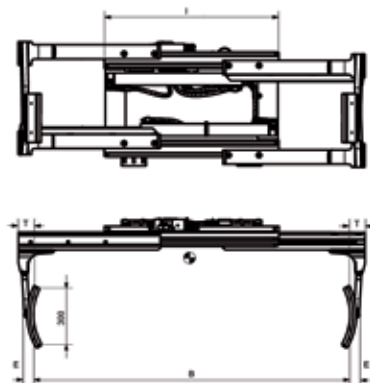
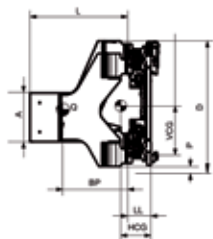
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in			Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Minimum Carriage Width	Total Attachment Height	Arms Thickness	Ground Clearance
	Q	I	B min	B max	A	L	W	LL	HCG	VCG	FL	D	T/E	P	
LG 14 JAA	2,500	II	36.6"	21.6"	70.0"	18.0"	36.0"	1,080	10.0"	9.7"	9.1"	27.2"	29.3"	2.8"/1.8"	0.5"
LG 14 JBA	2,500	II	36.6"	21.6"	70.0"	24.0"	30.0"	1,020	10.0"	9.6"	9.0"	27.2"	29.3"	2.8"/1.8"	0.4"
LG 14 J3A	2,500	II	36.6"	21.6"	70.0"	24.0"	36.0"	1,190	10.0"	11.5"	9.5"	27.2"	29.3"	2.8"/1.8"	0.5"
LG 14 J4A	2,500	II	36.6"	21.6"	70.0"	30.0"	36.0"	1,170	10.0"	10.2"	10.1"	27.2"	30.3"	2.8"/1.8"	0.4"
LG 22 JAA	4,000	II	38.2"	24.4"	76.3"	18.0"	36.0"	1,220	10.4"	10.3"	9.3"	22.8"	29.3"	2.8"/2.0"	0.5"
LG 22 JBA	4,000	II	38.2"	24.4"	76.3"	24.0"	30.0"	1,235	10.4"	10.2"	9.6"	22.8"	29.3"	2.8"/2.0"	0.4"
LG 22 J3A	4,000	II	38.2"	24.4"	76.3"	24.0"	36.0"	1,300	10.4"	11.8"	10.2"	22.8"	29.3"	2.8"/2.0"	0.4"
LG 22 JCA	4,000	II	38.2"	24.4"	76.3"	30.0"	30.0"	1,290	10.4"	10.4"	10.5"	22.8"	30.3"	2.8"/2.0"	0.4"
LG 22 J4A	4,000	II	38.2"	24.4"	76.3"	30.0"	36.0"	1,365	10.4"	11.9"	11.1"	22.8"	30.3"	2.8"/2.0"	0.5"
LG 22 J7A	4,000	II	38.2"	24.4"	76.3"	36.0"	36.0"	1,390	10.1"	10.4"	12.5"	22.8"	36.2"	2.8"/2.0"	0.5"
LG 28 J2B	5,000	III	38.2"	24.4"	76.3"	18.0"	30.0"	1,488	10.4"	9.1"	11.0"	29.5"	33.9"	2.8"/2.0"	0.9"
LG 28 JAB	5,000	III	38.2"	24.4"	76.3"	18.0"	36.0"	1,520	10.4"	10.2"	11.3"	29.5"	33.9"	2.8"/2.0"	0.9"

Notes:

- Two hydraulic functions required.
- E= arm thickness with rubber.
- T= arm thickness at the base, with rubber.
- Attachment capacity during rotation depends upon the clamping pressure and type of load.
- Pressure relief valve.
- Arms welded directly to carriers.
- No Toe-In on arms.
- Bolt-on replaceable rubber pads, two way reversible.
- Double check valve.
- Swivel block.

Options:

- Different openings.
- Different pad sizes.
- Pressure gauge.
- Separate sideshift.
- Load backrest.
- Quick-change lower hooks.
- 4-stage pressure relief valve.



Range: 1,550 - 2,200 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Designed to handle 55 gallon steel drums.
- Arms fitted with bolt-on replaceable rubber pads, to avoid damage to drums.
- Check valve with pressure relief and gauge.

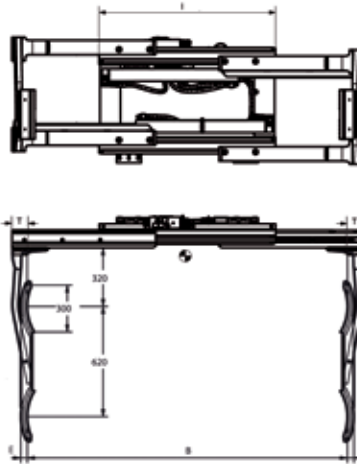
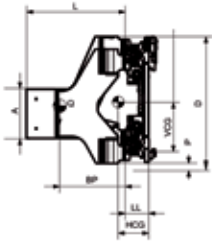
Model	Capacity Lbs.	Load Center	Mounting Class	Frame Width	Opening Range		Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q	BP		I	Bmin	Bmax	LxAxE-T	W	LL	HCG	VCG	D	FL	P
Non-Sideshifting														
LB 08 T2A	1,550	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	722	4.6"	5.9"	9.5"	24.3"	27.0"	0.4"
LB 10 T2A	2,200	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	596	4.6"	6.0"	9.5"	24.3"	27.0"	0.4"
Sideshifting														
LS 08 T2A	1,550	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	722	4.6"	5.9"	9.5"	24.3"	27.0"	0.4"
LS 10 T2A	2,200	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	596	4.6"	6.0"	9.5"	24.3"	27.0"	0.4"

Notes:

- One hydraulic function required, two for sideshifting model.
- Arm height from ground 5.1".
- E= arm thickness with rubber.
- T= arm thickness at the base with rubber.
- Check valve.
- Pressure relief valve.
- Arms welded to carriers.
- Pressure gauge.

Options:

- Separate sideshift.
- Quick change lower hooks.
- Load backrest.



Range: 1,750 - 2,650 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Designed to handle 55 gallon steel drums.
- Arms fitted with bolt-on replaceable rubber pads, to avoid damage to drums.
- Check valve with pressure relief and gauge.

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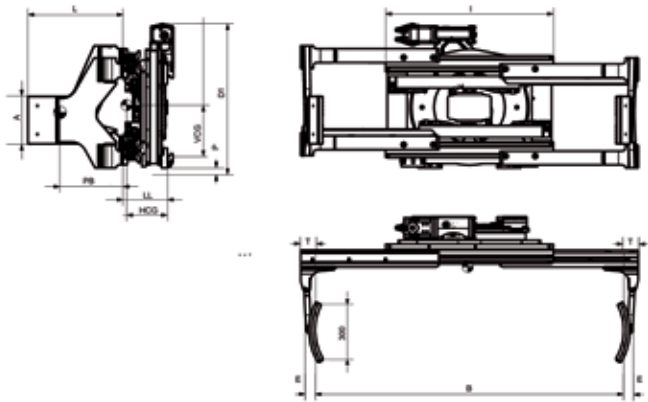
Model	Capacity Lbs.	Load Center	Mounting Class	Frame Width	Opening Range		Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q	BP		I	Bmin	Bmax	LxAxE-T	W	LL	HCG	VCG	D	FL	P
Non-Sideshifting														
LB 08 T4A	1,750	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	722	4.6"	13.5"	8.4"	24.3"	27.0"	0.4"
LB 12 T4A	2,650	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	743	4.6"	13.7"	8.2"	24.3"	27.0"	0.4"
Sideshifting														
LS 08 T4A	1,750	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	722	4.6"	13.5"	8.4"	24.3"	27.0"	0.4"
LS 12 T4A	2,650	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	743	4.6"	13.7"	8.2"	24.3"	27.0"	0.4"

Notes:

- One hydraulic function required, two for sideshifting model.
- Arm height from ground 5.1".
- E= arm thickness with rubber.
- T= arm thickness at the base with rubber.
- Check valve.
- Pressure relief valve.
- Arms welded to carriers.
- Pressure gauge.

Options:

- Separate sideshift.
- Integral sideshift.
- Quick change lower hooks.
- Load backrest.



Range: 1,300 - 2,200 Lbs.

Features:

- 360° continuous rotation in both directions.
- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Designed to handle 55 gallon steel drums.
- Arms fitted with bolt-on replaceable rubber pads, to avoid damage to drums.
- Check valve with pressure relief and gauge.

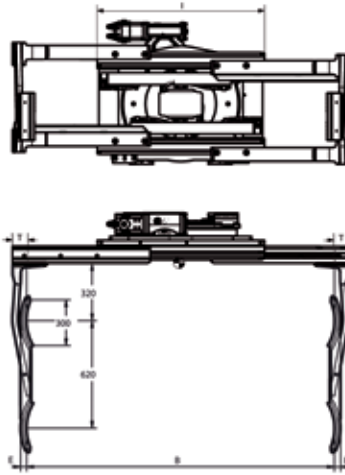
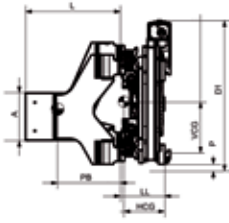
Model	Capacity Lbs.	Load Center	Mounting Class	Frame Width	Opening Range		Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q	BP		I	Bmin	Bmax	LxAxE-T	W	LL	HCG	VCG	D1	FL	P
LG 06 T2A	1,300	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	832	8.9"	8.1"	10.2"	28.7"	22.8"	0.4"
LG 10 T2A	2,200	13"	II	34.2"	18.1"	61.4"	18.5" x 9.4" x 1.6" - 2.7"	867	8.9"	8.1"	10.2"	28.7"	22.8"	0.4"

Notes:

- Two hydraulic functions required.
- Arm height from ground 5.1".
- E= arm thickness with rubber.
- T= arm thickness at the base with rubber.
- Double check valve and pressure relief valve.
- Arms welded to carriers.
- Pressure gauge.
- Rotating center.

Options:

- Separate sideshift:
ITA Class II
- Quick change lower hooks.
- Load backrest.



Range: 1,750 - 2,650 Lbs.

Features:

- 360° continuous rotation in both directions.
- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Designed to handle 55 gallon steel drums.
- Arms fitted with bolt-on replaceable rubber pads, to avoid damage to drums.
- Check valve with pressure relief and gauge.

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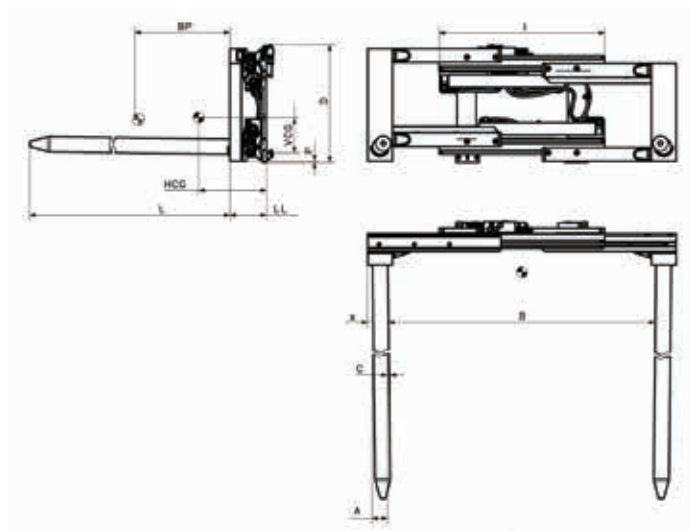
Model	Capacity Lbs.	Load Center	Mounting Class	Frame Width	Opening Range		Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Ground Clearance
	Q	BP	I	Bmin	Bmax	LxAxE-T		W	LL	HCG	VCG	D1	FL	P
LG 08 T4A	1,750	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	1,053	8.9"	12.5"	10.1"	28.7"	22.8"	0.4"
LG 12 T4A	2,650	25"	II	34.2"	17.3"	60.6"	42.9" x 9.4" x 1.2" - 3.1"	1,298	8.9"	12.6"	9.9"	28.7"	22.8"	0.4"

Notes:

- Two hydraulic functions required.
- Arm height from ground 5.1".
- E= arm thickness with rubber.
- T= arm thickness at the base with rubber.
- Double check and pressure relief valve.
- Arms welded to carriers.
- Pressure gauge.
- Rotating center.

Options:

- Separate sideshift:
ITA Class II
- Quick change lower hooks.
- Load backrest.



Range: 2,500 - 5,000 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Equipped with round arms for handling of horizontal cylindrical loads.

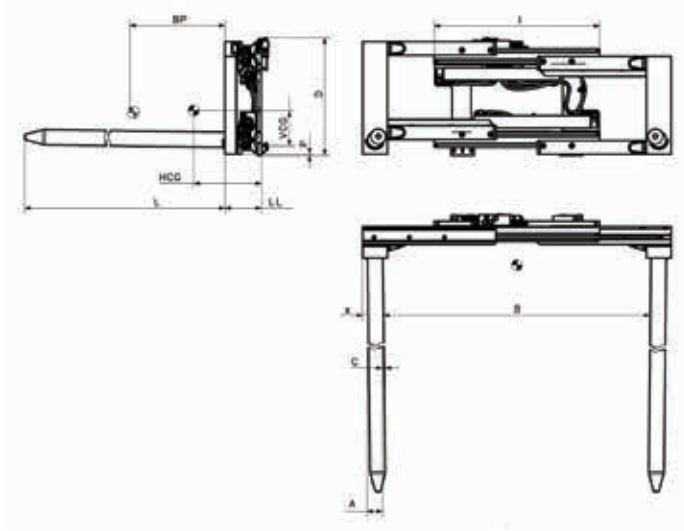
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Arm Dimensions	Weight	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arm Toe-in	Ground Clearance
	Q		I	B min - B max	L x E x X	W	LL	HCG	VCG	D	FL	C	P
LB 14 R5A-V	2,500	II	34.2"	5.1" - 46.5"	42.0" x 3.1" x 5.1"	595	6.6"	6.8"	7.1"	24.1"	29.5"	0.4"	0.4"
LB 14 R6A-V	2,500	II	34.2"	5.1" - 46.5"	48.0" x 3.1" x 5.1"	615	6.6"	8.1"	6.9"	24.1"	29.5"	0.5"	0.4"
LB 14 R8A-V	2,500	II	34.2"	5.1" - 46.5"	60.0" x 3.1" x 5.1"	632	6.6"	9.5"	6.6"	24.1"	29.5"	0.6"	0.4"
LB 22 R5A-V	4,000	II	34.2"	5.1" - 46.8"	42.0" x 3.1" x 5.3"	682	7.0"	6.5"	7.7"	27.7"	29.5"	0.4"	0.4"
LB 22 R6A-V	4,000	II	34.2"	5.1" - 46.8"	48.0" x 3.1" x 5.3"	690	7.0"	7.7"	7.5"	27.7"	29.5"	0.5"	0.4"
LB 22 R8A-V	4,000	II	34.2"	5.1" - 46.8"	60.0" x 3.1" x 5.3"	709	7.0"	9.2"	7.2"	27.7"	29.5"	0.6"	0.4"
LB 28 R5B	5,000	III	38.1"	10.6" - 63.0"	42.0" x 3.5" x 5.5"	784	7.6"	6.8"	8.5"	28.0"	39.1"	0.4"	0.8"
LB 28 R6B	5,000	III	38.1"	10.6" - 63.0"	48.0" x 3.5" x 5.5"	797	7.6"	8.0"	8.2"	28.0"	39.1"	0.5"	0.8"
LB 28 R8B	5,000	III	38.1"	10.6" - 63.0"	60.0" x 3.5" x 5.5"	821	7.6"	9.5"	7.9"	28.0"	39.1"	0.6"	0.8"

Notes:

- One hydraulic function required.
- Bar arm distance from ground 2.0".
- Check valve.
- Pressure relief valve.
- Arms welded directly to the carriers.

Options:

- Special openings and arm sizes.
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Flow divider for equal arm movement.
- Independent arm control valve.



Range: 2,500 - 5,000 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Equipped with round arms for handling of horizontal cylindrical loads.

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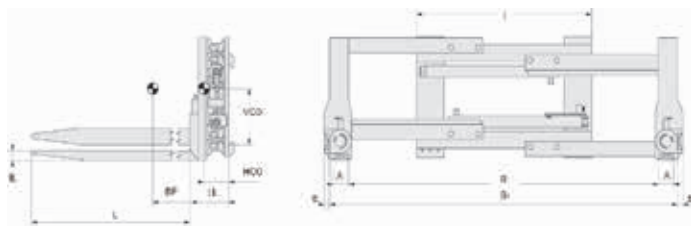
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Arm Dimensions	Weight	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arm Toe-in	Ground Clearance
	Q		I	B min - B max	L x E x X	W	LL	HCG	VCG	D	FL	C	P
LS 14 R5A-V	2,500	II	34.2"	5.1" - 46.5"	42.0" x 3.1" x 5.1"	595	6.6"	6.8"	7.1"	24.1"	29.5"	0.4"	0.4"
LS 14 R6A-V	2,500	II	34.2"	5.1" - 46.5"	48.0" x 3.1" x 5.1"	615	6.6"	8.1"	6.9"	24.1"	29.5"	0.5"	0.4"
LS 14 R8A-V	2,500	II	34.2"	5.1" - 46.5"	60.0" x 3.1" x 5.1"	632	6.6"	9.5"	6.6"	24.1"	29.5"	0.6"	0.4"
LS 22 R5A-V	4,000	II	34.2"	5.1" - 46.8"	42.0" x 3.1" x 5.3"	682	7.0"	6.5"	7.7"	27.7"	29.5"	0.4"	0.4"
LS 22 R6A-V	4,000	II	34.2"	5.1" - 46.8"	48.0" x 3.1" x 5.3"	690	7.0"	7.7"	7.5"	27.7"	29.5"	0.5"	0.4"
LS 22 R8A-V	4,000	II	34.2"	5.1" - 46.8"	60.0" x 3.1" x 5.3"	709	7.0"	9.2"	7.2"	27.7"	29.5"	0.6"	0.4"
LS 28 R5B	5,000	III	38.1"	10.6" - 63.0"	42.0" x 3.5" x 5.5"	784	7.6"	6.8"	8.5"	28.0"	39.1"	0.4"	0.8"
LS 28 R6B	5,000	III	38.1"	10.6" - 63.0"	48.0" x 3.5" x 5.5"	797	7.6"	8.0"	8.2"	28.0"	39.1"	0.5"	0.8"
LS 28 R8B	5,000	III	38.1"	10.6" - 63.0"	60.0" x 3.5" x 5.5"	821	7.6"	9.5"	7.9"	28.0"	39.1"	0.6"	0.8"

Notes:

- Two hydraulic functions required.
- Bar arm distance from ground 2.0".
- Check valve.
- Pressure relief valve.
- Arms welded directly to the carriers.
- Integral sideshift.

Options:

- Special openings and arm sizes.
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Flow divider for equal arm movement.



Range: 1,800 - 6,850 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Fork positioning at 0°, 45° and 90° positions.
- For the handling of pallets, drums, pipes, rolls, bales, crates and similar loads.

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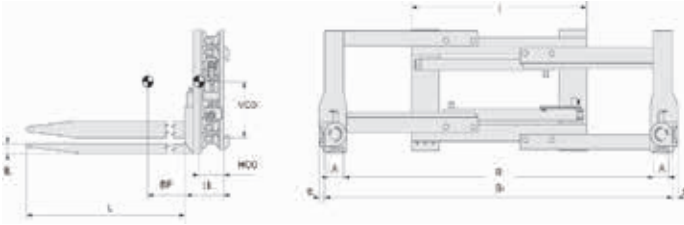
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Opening Range	Fork Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Fork Basic Height	Pivot Distance	Ground Clearance
	Q1/Q2		I	B1 min - max	B min - max	L x A x E	W	LL	HCG	VCG	D	FL	J	K	P
LB 10 D5A	1,800/2,500	II	36.6"	24.0" - 72.4"	14.2" - 62.3"	43.3" x 3.9" x 1.6"	620	7.8"	7.4"	9.5"	24.6"	27.1"	4.5"	4.1"	0.6"
LB 10 D6A	1,800/2,500	II	36.6"	24.0" - 72.4"	14.2" - 62.3"	47.2" x 3.9" x 1.6"	645	7.8"	8.9"	9.3"	24.6"	27.1"	4.5"	4.1"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LB 14 D5A	2,500/3,200	II	36.6"	23.2" - 71.6"	11.8" - 60.2"	43.3" x 5.1" x 1.6"	690	7.8"	8.4"	8.7"	24.6"	27.1"	4.7"	4.7"	0.6"
LB 14 D6A	2,500/3,200	II	36.6"	23.2" - 71.6"	11.8" - 60.2"	47.2" x 5.1" x 1.6"	724	7.8"	10.0"	8.6"	24.6"	27.1"	4.7"	4.7"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LB 18 D6A-38W	3,200/4,150	II	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	905	9.0"	11.6"	9.9"	24.6"	27.1"	5.7"	3.9"	0.6"
LB 18 D6A-43W	3,200/4,150	II	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	905	9.0"	10.6"	6.0"	24.6"	27.1"	5.7"	3.9"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LB 22 D6A-38W	4,000/4,700	II	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	905	9.0"	11.6"	9.9"	24.6"	27.1"	5.7"	3.9"	0.6"
LB 22 D6A-43W	4,000/4,700	II	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	905	9.0"	10.6"	6.0"	24.6"	27.1"	5.7"	3.9"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LB 28 D6B-38W	5,000/5,800	III	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	938	9.0"	10.8"	12.2"	28.1"	27.1"	5.7"	3.9"	1.8"
LB 28 D6B-43W	5,000/5,800	III	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	1,000	9.0"	10.7"	12.3"	28.1"	27.1"	5.7"	3.9"	1.8"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LB 35 D6B-49W	6,300/6,850	III	49.2"	32.3" - 91.3"	18.5" - 77.6"	47.2" x 5.9" x 1.9"	1,380	10.0"	9.3"	7.8"	28.1"	36.6"	5.9"	4.5"	0.8"
LB 35 D6B-45W	6,300/6,850	III	45.3"	20.8" - 69.3"	7.1" - 55.5"	47.2" x 5.9" x 1.9"	1,307	10.0"	9.6"	7.8"	28.1"	36.6"	5.9"	4.5"	0.8"
Forks: max. length 63". Add-on price per each 3.9" length increase.															

Notes:

- One hydraulic function required.
- Q1 = capacity when clamping.
- Q2 = capacity on the forks.
- Check valve.
- Pressure relief valve.
- Forks welded to the arm carriers.

Options:

- Special openings and fork lengths.
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Slip on arms.
- Four stage pressure relief valve.
- Flow divider for equal arm movement.
- Independent arm control valve.
- Hydraulically rotating forks.



Range: 1,800 - 6,850 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Fork positioning at 0°, 45° and 90° positions.
- For the handling of pallets, drums, pipes, rolls, bales, crates and similar loads.

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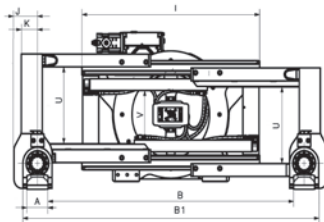
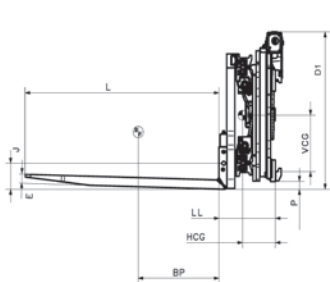
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Opening Range	Fork Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Fork Basic Height	Pivot Distance	Ground Clearance
	Q1/Q2		I	B1 min - max	B min - max	L x A x E	W	LL	HCG	VCG	D	FL	J	K	P
LS 10 D5A	1,800/2,500	II	36.6"	24.0" - 72.4"	14.2" - 62.3"	43.3" x 3.9" x 1.6"	620	7.8"	7.4"	9.5"	24.6"	27.1"	4.5"	4.1"	0.6"
LS 10 D6A	1,800/2,500	II	36.6"	24.0" - 72.4"	14.2" - 62.3"	47.2" x 3.9" x 1.6"	645	7.8"	8.9"	9.3"	24.6"	27.1"	4.5"	4.1"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LS 14 D5A	2,500/3,200	II	36.6"	23.2" - 71.6"	11.8" - 60.2"	43.3" x 5.1" x 1.6"	690	7.8"	8.4"	8.7"	24.6"	27.1"	4.7"	4.7"	0.6"
LS 14 D6A	2,500/3,200	II	36.6"	23.2" - 71.6"	11.8" - 60.2"	47.2" x 5.1" x 1.6"	724	7.8"	10.0"	8.6"	24.6"	27.1"	4.7"	4.7"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LS 18 D6A-38W	3,200/4,150	II	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	905	9.0"	11.6"	9.9"	24.6"	27.1"	5.7"	3.9"	0.6"
LS 18 D6A-43W	3,200/4,150	II	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	905	9.0"	10.6"	6.0"	24.6"	27.1"	5.7"	3.9"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LS 22 D6A-38W	4,000/4,700	II	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	905	9.0"	11.6"	9.9"	24.6"	27.1"	5.7"	3.9"	0.6"
LS 22 D6A-43W	4,000/4,700	II	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	905	9.0"	10.6"	6.0"	24.6"	27.1"	5.7"	3.9"	0.6"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LS 28 D6B-38W	5,000/5,800	III	38.2"	28.3" - 80.7"	15.7" - 68.1"	47.2" x 5.1" x 1.9"	938	9.0"	10.8"	12.2"	28.1"	27.1"	5.7"	3.9"	1.8"
LS 28 D6B-43W	5,000/5,800	III	43.3"	21.6" - 72.4"	9.0" - 59.8"	47.2" x 5.1" x 1.9"	1,000	9.0"	10.7"	12.3"	28.1"	27.1"	5.7"	3.9"	1.8"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LS 35 D6B-49W	6,300/6,850	III	49.2"	32.3" - 91.3"	18.5" - 77.6"	47.2" x 5.9" x 1.9"	1,380	10.0"	9.3"	7.8"	28.1"	36.6"	5.9"	4.5"	0.8"
LS 35 D6B-45W	6,300/6,850	III	45.3"	20.8" - 69.3"	7.1" - 55.5"	47.2" x 5.9" x 1.9"	1,307	10.0"	9.6"	7.8"	28.1"	36.6"	5.9"	4.5"	0.8"
Forks: max. length 63". Add-on price per each 3.9" length increase.															

Notes:

- Two hydraulic functions required.
- Q1 = capacity when clamping.
- Q2 = capacity on the forks.
- Check valve.
- Pressure relief valve.
- Forks welded to the arm carriers.
- Integral sideshift.

Options:

- Special openings and fork lengths..
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.
- Slip on arms.
- Four stage pressure relief valve.
- Flow divider for equal arm movement.
- Hydraulically rotating forks (solenoid valve not included)


Range: 1,800 - 6,850 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- 360° continuous rotation in both directions.
- Fork positioning at 0°, 45° and 90° positions.
- For the handling of pallets, drums, pipes, rolls, bales, crates and similar loads.

Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range Clamp	Opening Range	Fork Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carnage Width	Fork Basic Height	Pivot Distance	Ground Clearance
	Q1/Q2		I	B1	B	L x A x E	W	LL	HCG	VCG	D1	FL	J	K	P
				min - max	min - max										
LG 10 D5A	1,800/2,500	II	36.6"	24.0"-72.4"	14.2"-62.3"	43.3"x3.9"x1.6"	898	12.5"	8.3"	10.2"	29.0"	22.8"	4.5"	4.1"	0.4"
LG 10 D6A	1,800/2,500	II	36.6"	24.0"-72.4"	14.2"-62.3"	47.2"x3.9"x1.6"	923	12.5"	9.9"	9.5"	29.0"	22.8"	4.5"	4.1"	0.4"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LG 14 D5A	2,500/3,200	II	36.6"	23.2"-71.6"	11.8"-60.2"	43.3"x5.1"x1.6"	969	12.5"	9.3"	8.2"	29.0"	22.8"	4.7"	4.7"	0.4"
LG 14 D6A	2,500/3,200	II	36.6"	23.2"-71.6"	11.8"-60.2"	47.2"x5.1"x1.6"	1,002	12.5"	11.2"	8.0"	29.0"	22.8"	4.7"	4.7"	0.4"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LG 18 D6A-38W	3,200/4,150	II	38.2"	28.3"-80.7"	15.7"-68.1"	47.2"x5.1"x1.9"	1,183	12.5"	11.6"	9.5"	29.0"	22.8"	5.7"	3.9"	0.4"
LG 18 D6A-43W	3,200/4,150	II	43.3"	21.6"-72.4"	9.0"-59.8"	47.2"x5.1"x1.9"	1,181	12.5"	10.6"	7.4"	29.0"	22.8"	5.7"	3.9"	0.4"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LG 22 D6A-38W	4,000/4,700	II	38.2"	28.3"-80.7"	15.7"-68.1"	47.2"x5.1"x1.9"	1,183	12.5"	11.6"	9.4"	29.0"	22.8"	5.7"	3.9"	0.4"
LG 22 D6A-43W	4,000/4,700	II	43.3"	21.6"-72.4"	9.0"-59.8"	47.2"x5.1"x1.9"	1,185	12.5"	10.6"	7.4"	29.0"	22.8"	5.7"	3.9"	0.4"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LG 28 D6B-38W	5,000/5,800	III	38.2"	28.3"-80.7"	15.7"-68.1"	47.2"x5.1"x1.9"	1,368	13.7"	8.4"	12.1"	34.6"	34.3"	5.7"	3.9"	1.7"
LG 28 D6B-43W	5,000/5,800	III	43.3"	21.6"-72.4"	9.0"-59.8"	47.2"x5.1"x1.9"	1,390	13.7"	8.0"	12.3"	34.6"	34.3"	5.7"	3.9"	1.7"
Forks: max. length 63". Add-on price per each 3.9" length increase.															
LG 35 D6B-49W	6,300/6,850	III	49.2"	32.3"-91.3"	18.5"-77.6"	47.2"x5.9"x1.9"	1,695	14.6"	10.3"	10.1"	33.6"	34.3"	5.9"	4.5"	0.8"
LG 35 D6B-45W	6,300/6,850	III	45.3"	20.8"-69.3"	7.1"-55.5"	47.2"x5.9"x1.9"	1,622	14.6"	10.7"	10.1"	33.6"	34.3"	5.9"	4.5"	0.8"
Forks: max. length 63". Add-on price per each 3.9" length increase.															

Notes:

- Two hydraulic functions required.
- Q1 = capacity when clamping.
- Q2 = capacity on the forks.
- The capacities when clamping depend on the load type and configuration.
- Double check and pressure relief valve.
- Rotating center.
- Forks welded to the arm carriers.

Options:

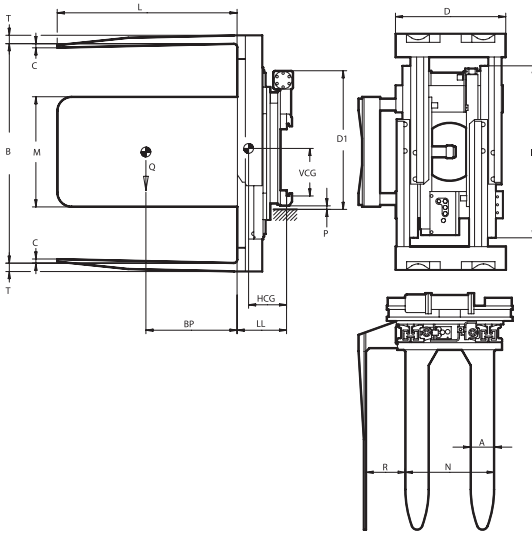
- Special openings.
- Separate sideshift:
ITA Class II
ITA Class III
- Quick change lower hooks.
- Pressure gauge.
- Load backrest.

Range: 1,800 - 4,000 Lbs.

Features:

- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- 360° rotation in both directions.
- Used for transferring goods from production pallets to disposable ones.
- Equipped with two pairs of forks welded to the arm carriers.
- Available with side plate to stabilize the load during rotation.

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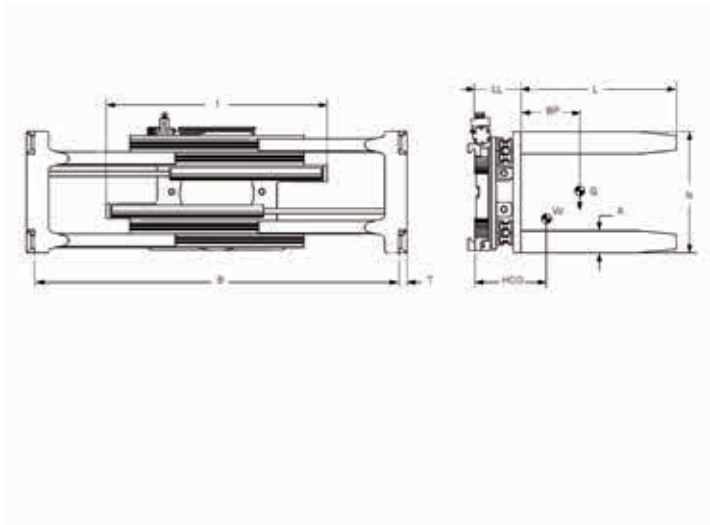
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Height Rotator	Fork Width	Fork Thickness	Arms Toe-in	Fork Length	Side Plate Height	Fork External Width	Side Plate Distance	Minimum Carriage Width	Ground Clearance
	Q	I	B min - B max	W	LL	HCG	VCG	D	D1	A	T	C	L	M	N	R	FL	P	
With fixed side plate, fixed forks																			
LG E2 F4A	1,800	II	36.6"	23.6"-72.0"	1,300	10.6"	11.4"	10.3"	24.1"	30.4"	3.9"	1.3"	0.5"	39.3"	23.6"	22.0"	8.6"	27.2"	0.4"
LG E3 F5A	2,500	II	38.1"	25.6"-78.0"	1,540	11.2"	13.7"	10.7"	24.1"	30.4"	5.1"	1.5"	0.5"	43.3"	23.6"	22.0"	8.6"	27.2"	0.4"
LG E4 F6B	4,000	III	38.1"	24.8"-77.2"	2,030	12.6"	14.9"	12.2"	28.1"	35.9"	5.1"	1.9"	0.6"	47.2"	23.6"	22.0"	8.6"	29.2"	0.8"
Without side plate, fixed forks																			
LG F2 F4A	1,800	II	36.6"	23.6"-72.0"	1,125	10.6"	9.8"	10.1"	24.1"	30.4"	3.9"	1.3"	0.5"	39.3"	-	22.0"	-	27.2"	0.4"
LG F3 F5A	2,500	II	38.1"	25.6"-78.0"	1,345	11.2"	12.4"	10.5"	24.1"	30.4"	5.1"	1.5"	0.5"	43.3"	-	22.0"	-	27.2"	0.4"
LG F4 F6B	4,000	III	38.1"	24.8"-77.2"	1,800	12.6"	13.7"	12.1"	28.1"	35.9"	5.1"	1.9"	0.6"	47.2"	-	22.0"	-	29.2"	0.8"

Notes:

- Two hydraulic functions required.
- Models LG-EF with fixed side plate.
- Models LG-FF without side plate.
- Double check and pressure relief valve.
- Weld-on forks.
- Rotating center.

Options:

- Separate sideshift.
- Quick change lower hooks.
- Pressure gauge.
- Independent arm control valve.



Range: 5,500 - 6,400 Lbs.

Features:

- The Bolzoni Auramo 360° rotating pallet inverter model LG-F is used to transfer loads from one pallet to another load carrier or when a load must be turned in a production process.
- Typical operational uses are in the food, paper, beverage, chemical and wood industries.
- Side support plates are also available for delicate loads.

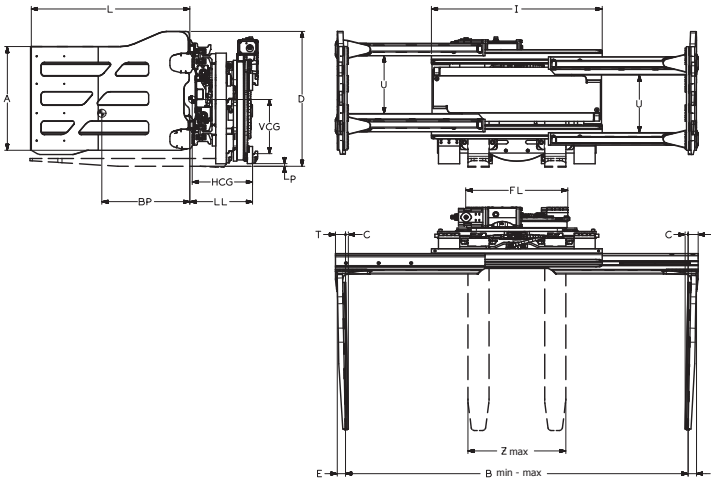
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Weight	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Fork Width	Fork Thickness	Fork Length	Fork ext. Width	Minimum Carriage Width
	Q		I	B min - B max	W	LL	HCG	VCG	A	T	L	N	FL
LG F5 F6B	5,500	III	51.0"	22.0" - 83.8"	1,917	11.0"	11.4"	11.8"	5.9"	2.4"	45.3"	22.0"	37.4"
LG F6 F6B	6,400	III/IV	51.0"	22.0" - 83.8"	2,380	12.6"	11.8"	13.0"	5.9"	2.4"	45.3"	22.0"	43.3"

Notes:

- Two hydraulic functions required.
- Minimum load height is determined by the frame width not the opening range.
- Pressure relief valve.

Options:

- Other capacities, fork lengths and opening ranges.
- Separate side shift.
- Solenoid valve.
- Solenoid valve control kit.
- Quick disconnect lower hooks.
- Side support plate.
- Motor and brake protection.



Range: 3,500 - 5,000 Lbs.

Features:

- Strong double T-profile.
- 360° continuous rotation in both directions.
- Original ITA lift truck forks can be used without any modifications.
- Excellent visibility.
- Reduced weight, effective thickness and center of gravity.

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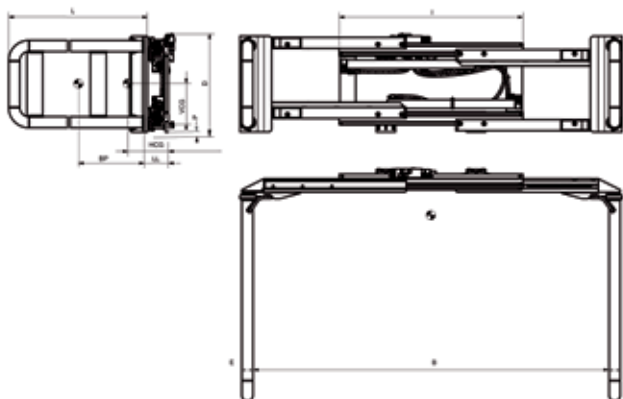
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Arm Dimensions				Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Minimum Carriage Width	Height	Arms Toe-in	Side Visibility	Max OTO Forks	Ground Clearance
	Q	I	B min B max	L	A	E	T	W	LL	HCG	VCG	FL	D	C	U	Z	P	
LG 22 UGA	3,500	II	38.1"	24.0" - 76.4"	35.4"	23.6"	1.8"	2.3"	1,490	14.0"	13.5"	12.3"	22.8"	30.8"	0.7"	13.2"	25.2"	0.6"
LG 28 UGB	5,000	III	43.3"	24.0" - 81.4"	35.4"	23.6"	1.8"	2.3"	1,900	14.9"	12.4"	14.0"	34.3"	34.5"	0.7"	16.9"	31.2"	0.5"

Notes:

- Two hydraulic functions required.
- Attachment capacity during rotation is dependent upon the clamping pressure and the type of load.
- Double check valve.
- Pressure relief valve.
- Swivel block.
- Weld-on arms.
- With replaceable rubber strips.

Options:

- Modified opening ranges.
- Load backrest.
- Different pad sizes.
- Quick-change lower hooks.
- 4-stage pressure relief valve.
- Independent arm control valve.
- Pressure gauge.
- Separate sideshift.
- Fork requirements:
Bolzoni Auramo Gaylord clamp uses standard ITA forks. The forks are not included in the price of this attachment.
LG 22 UGA - requires forks 6" longer than useable length.
LG 28 UGB - requires forks 8" longer than useable length.



Range: 1,800 - 3,200 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Used to handle large and light blocks of rubber or polystyrene.
- Light tubular profile arms, to guarantee a good support and avoid damage to loads.

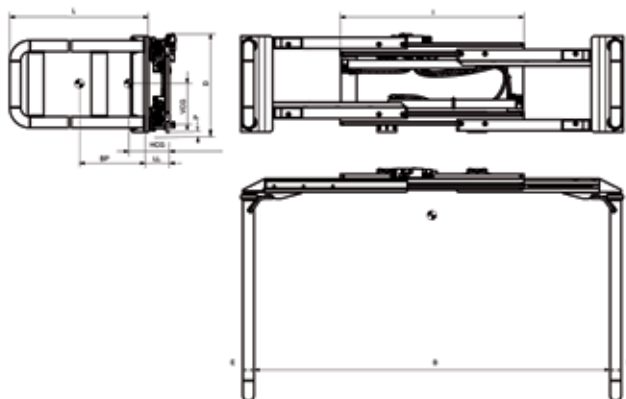
Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range	Arm Dimensions	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Arm Height from Ground	Ground Clearance
	Q	I	B min B max	L x A x E	W	LL	HCG	VCG	D	FL	C	E	P	
LB 10 N7A	1,800	II	46.0"	31.4" - 88.5"	51.1" x 21.6" x 2.7"	782	5.9"	10.3"	9.3"	24.1"	29.5"	0.7"	1.1"	0.4"
LB 10 N8A	1,800	II	46.0"	31.4" - 88.5"	59.0" x 21.6" x 2.7"	815	5.9"	12.2"	9.3"	24.1"	29.5"	0.8"	1.1"	0.4"
LB 10 N9A	1,800	II	46.0"	31.4" - 88.5"	70.8" x 21.6" x 2.7"	870	5.9"	15.4"	9.2"	24.1"	29.5"	0.9"	1.1"	0.4"
LB 10 N0A	1,800	II	46.0"	31.4" - 88.5"	78.7" x 21.6" x 2.7"	903	5.9"	17.6"	9.2"	24.1"	29.5"	1.1"	1.1"	0.4"
LB 14 N7A	2,500	II	46.0"	31.4" - 88.5"	51.1" x 21.6" x 2.7"	800	6.0"	10.2"	9.3"	24.1"	29.5"	0.7"	1.1"	0.4"
LB 14 N8A	2,500	II	46.0"	31.4" - 88.5"	59.0" x 21.6" x 2.7"	833	6.0"	12.0"	9.3"	24.1"	29.5"	0.8"	1.1"	0.4"
LB 14 N9A	2,500	II	46.0"	31.4" - 88.5"	70.8" x 21.6" x 2.7"	888	6.0"	15.3"	9.2"	24.1"	29.5"	0.9"	1.1"	0.4"
LB 14 N0A	2,500	II	46.0"	31.4" - 88.5"	78.7" x 21.6" x 2.7"	921	6.0"	17.5"	9.2"	24.1"	29.5"	1.1"	1.1"	0.4"
LB 18 N8A	3,200	II	59.8"	28.3" - 96.4"	59.0" x 21.6" x 2.7"	903	6.2"	11.0"	9.5"	24.1"	35.0"	0.8"	1.1"	0.4"
LB 18 N9A	3,200	II	59.8"	28.3" - 96.4"	70.8" x 21.6" x 2.7"	958	6.2"	14.1"	9.4"	24.1"	35.0"	0.9"	1.1"	0.4"
LB 18 N0A	3,200	II	59.8"	28.3" - 96.4"	78.7" x 21.6" x 2.7"	992	6.2"	16.1"	9.4"	24.1"	35.0"	1.1"	1.1"	0.4"

Notes:

- One hydraulic function required.
- Check valve with power regeneration hydraulic circuit.
- Pressure relief valve.
- Weld-on arms.
- Pressure gauge.

Options:

- Special openings.
- Quick change lower hooks.
- Load backrest.
- Custom built arm dimensions.
- Flow divider for equal arm movement.
- Independent arm control valve.



Range: 1,800 - 3,200 Lbs.

Features:

- Strong double T-profile frame.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Used to handle large and light blocks of rubber or polystyrene.
- Light tubular profile arms, to guarantee a good support and avoid damage to loads.

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Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range		Arm Dimensions			Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Height	Minimum Carriage Width	Arms Toe-in	Arm Height from Ground	Ground Clearance
	<i>Q</i>	<i>I</i>		<i>B min</i>	<i>B max</i>	<i>L x A x E</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>VCG</i>	<i>D</i>	<i>FL</i>	<i>C</i>	<i>E</i>	<i>P</i>		
LS 10 N7A	1,800	II	46.0"	31.4"	88.5"	51.1" x 21.6" x 2.7"	782	5.9"	10.3"	9.3"	24.1"	29.5"	0.7"	1.1"	0.4"		
LS 10 N8A	1,800	II	46.0"	31.4"	88.5"	59.0" x 21.6" x 2.7"	815	5.9"	12.2"	9.3"	24.1"	29.5"	0.8"	1.1"	0.4"		
LS 10 N9A	1,800	II	46.0"	31.4"	88.5"	70.8" x 21.6" x 2.7"	870	5.9"	15.4"	9.2"	24.1"	29.5"	0.9"	1.1"	0.4"		
LS 10 N0A	1,800	II	46.0"	31.4"	88.5"	78.7" x 21.6" x 2.7"	903	5.9"	17.6"	9.2"	24.1"	29.5"	1.1"	1.1"	0.4"		
LS 14 N7A	2,500	II	46.0"	31.4"	88.5"	51.1" x 21.6" x 2.7"	800	6.0"	10.2"	9.3"	24.1"	29.5"	0.7"	1.1"	0.4"		
LS 14 N8A	2,500	II	46.0"	31.4"	88.5"	59.0" x 21.6" x 2.7"	833	6.0"	12.0"	9.3"	24.1"	29.5"	0.8"	1.1"	0.4"		
LS 14 N9A	2,500	II	46.0"	31.4"	88.5"	70.8" x 21.6" x 2.7"	888	6.0"	15.3"	9.2"	24.1"	29.5"	0.9"	1.1"	0.4"		
LS 14 N0A	2,500	II	46.0"	31.4"	88.5"	78.7" x 21.6" x 2.7"	921	6.0"	17.5"	9.2"	24.1"	29.5"	1.1"	1.1"	0.4"		
LS 18 N8A	3,200	II	59.8"	28.3"	96.4"	59.0" x 21.6" x 2.7"	903	6.2"	11.0"	9.5"	24.1"	35.0"	0.8"	1.1"	0.4"		
LS 18 N9A	3,200	II	59.8"	28.3"	96.4"	70.8" x 21.6" x 2.7"	958	6.2"	14.1"	9.4"	24.1"	35.0"	0.9"	1.1"	0.4"		
LS 18 N0A	3,200	II	59.8"	28.3"	96.4"	78.7" x 21.6" x 2.7"	992	6.2"	16.1"	9.4"	24.1"	35.0"	1.1"	1.1"	0.4"		

Notes:

- Two hydraulic functions required.
- Check valve with power regeneration hydraulic circuit.
- Pressure relief valve.
- Weld-on arms.
- Pressure gauge.
- Internal sideshift.

Options:

- Special openings.
- Quick change lower hooks.
- Load backrest.
- Custom built arm dimensions.
- Flow divider for equal arm movement.

Oil flow rate recommendations

Model	Oil Flow Rate, Clamps			Oil Flow Rate, Rotator		
	Minimum GPM	Recommended GPM	Maximum GPM	Minimum GPM	Recommended GPM	Maximum GPM
Non-rotating clamps						
LB / LS 10 / 14	4	7	9	-	-	-
LB / LS 18 / 22	4	7	9	-	-	-
LB / LS 25	4	7	9	-	-	-
LB / LS 28	4	7	9	-	-	-
LB / LS 32	8	12	16	-	-	-
LB / LS 35 / 40	8	12	16	-	-	-
Rotating clamps						
LG 10 / 14	4	7	9	7	9	10
LG 18 / 22	4	7	9	7	9	10
LG 25	4	7	9	9	16	20
LG 28	4	7	9	9	16	20
LG 32	8	12	16	9	16	20
LG 35 / 40	8	12	16	9	16	20
LG 40 / 45 HC	8	11	13	11	13	16
LG 60 / 65 HC	12	16	20	11	16	20
LG F4	4	7	9	9	16	20
LG F5	8	12	16	8	10	13
LG F6	8	12	16	9	12	15

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Rotation Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
n.					
Non-rotating clamps					
LB / LS 10 / 14	600	2,300	-	-	1 / 2
LB / LS 18 / 22	650	2,300	-	-	1 / 2
LB / LS 25	700	2,300	-	-	1 / 2
LB / LS 28	700	2,300	-	-	1 / 2
LB / LS 32	700	2,300	-	-	1 / 2
LB / LS 35 / 40	700	2,300	-	-	1 / 2
Rotating clamps					
LG 10 / 14	600	2,300	1,400	2,300	2
LG 18 / 22	650	2,300	1,400	2,300	2
LG 25	700	2,300	1,400	2,300	2
LG 28	700	2,300	1,400	2,300	2
LG 32	700	2,300	1,400	2,300	2
LG 35 / 40	700	2,300	1,400	2,300	2
LG 40 / 45 HC	1,400	2,100	1,890	2,470	2
LG 60 / 65 HC	1,400	2,100	1,890	2,470	2
LG F4	1,400	2,100	1,890	2,470	2
LG F5	1,400	2,100	1,890	2,470	2
LG F6	1,400	2,100	1,890	2,470	2

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Separate Sideshift

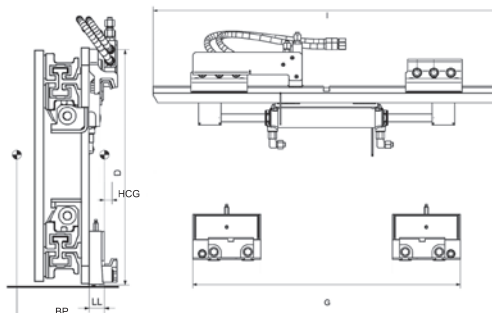
(Series LB Clamps only)

Separate sideshift requires a sideshift device to be mounted to the clamp body. A separate sideshifter provides a fixed amount of sideshift stroke regardless of the clamp opening. This enables faster and safer handling in confined spaces.

A Bolzoni Auramo Series AS separate sideshifting mounting replaces the standard clamp mounting hooks and can be directly bolted onto the standard series LB clamps.

Series AS sideshifters are light and have a minimized effective thickness. Therefore they ensure maximum lifting capacity for the lift truck.

Sideshift stroke 8".



Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Minimum Carriage Width	Ext. Lower Hook Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Height
	Q		I	FL	G	W	LL	HCG	D
For Parallel Clamps									
AS 22 KXA	4,000	II	36.2"	35.2"	28.0"	60	1.3"	0.5"	22.8"
AS 28 KXB	5,000	III	38.1"	38.2"	31.0"	104	1.6"	0.5"	27.0"
AS 40 KXB	7,200	III	47.2"	47.2"	33.0"	102	1.6"	0.5"	27.3"

Model	Oil Flow Rate			Oil Pressure		Hydraulic Functions
	min. GPM	recom. GPM	max. GPM	min. PSI	max. PSI	
AS 22	1	3	4	1,700	3,100	1
AS 28-40	2	3	5	1,700	3,100	1

Notes:

One hydraulic function required.

Available also with lower quick disconnect hooks.

Internal Sideshift

(Series LB clamps only)

Internal sideshift is actuated by hydraulically moving the clamping arms to the same direction. A special sideshift valve is required as well as one additional hydraulic function from the lift truck hydraulic system. Other technical properties of the clamp remain unchanged.

Due to the operation principle, internal sideshift is not possible when the clamping arms are in a totally open or closed position. Under certain conditions a sideshift exceeding $\pm 4"$ may be possible.

Model

LB

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Clamp options

Model

Special opening ranges
Special frame widths
Special arm lengths
Special arm height

04

Mounting options

Special mountings are not included in the attachment price. For non-standard mounting, detailed information is required from customer.

Front Cover Plate

Model

Series LB / LS / LG

ITA Lower Quick Disconnect Hooks

for Model *Class*

LB / LS / LG	II
LB / LS / LG	III

Fork Clamp Drum Cutouts (Class II and III only)

for Model *Set*

LB-H / LS-H / LG-H	1
LB-H / LS-H / LG-H	2

Class IV on request.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Hydraulic Options

Installation kit

(Connection hoses)

Function	Number
Single Function	HJL-6-S-30
Single Function	HJL-8-S-30
Two Functions	HJL-6-D-30
Two Functions	HJL-8-D-30

Quick Disconnect Hydraulic Couplers

Number	Hose Functions
QD-0606-1HF*	-
QD-0606-2HF*	-
HJL-6-S-30-QD**	single
HJL-6-D-30-QD**	two

* Couplers included only.

** Hoses includes.

Four Stage Pressure Relief Valve

For certain types of handling, i.e.: electrical appliances or other boxed articles, it is recommended to use a pressure relief valve having four predetermined positions. This valve enables easy clamping force setting to suit the type of load.

Model
401925

Independent arm control valve

In some cases the arms must be capable of moving independently; this can be made possible by a special valve.

Model
On request

Flow Divider Valve for Synchronized Arm Movement

Equal arm movement during clamping or opening. Provides equal oil flow to the clamping cylinders.

Model
On request

Pressure Gauge

Model
ST-005

Clamp Lock Valve

Model
on request

▶ Working Factors

TYPE OF LOAD

- ☐ Paper
- ☐ Textile Waste
- ☐ Soft Cellulose

NUMBER OF PALLETS

- ☐ Pulp Bale
- ☐ Compressed Cellulose
- ☐ Other

SINGLE BALE DIMENSIONS

Single load width in

Single load height in

Single load length in

Single load weight lb

TOTAL LOAD DIMENSIONS

Quantity of Bales

L in

H in

P in

Total load weight lb

Shifts per day

Condition of use

Required quantity

▶ Forklift Info

Brand

Model

Capacity (lb)

Hooking Type

▶ Customer Info

Name

Phone

Email

State

▶ Notes



Profile Guided Concept	
<i>Profile Guided Concept</i>	5-1
1-2 Pallet Handlers, Profile Type	
Models 12PH (<i>Sideshifting</i>).....	5-2
1-2-3 Pallet Handlers, Shaft Guide	
Models DS-FT (<i>Sideshifting</i>).....	5-3
2-4 Pallet Handlers, Shaft Guide	
Models DS-FS (<i>Sideshifting</i>).....	5-3
Technical Information	5-4
Accessories and Options	5-5

05



The Bolzoni profile guided concept - new type 12PH

The profile system for the highest flexibility in operation

The unique Profile Concept combines exceptional durability, highest operational flexibility with an optimum of visibility and minimal Life Cycle Cost in Full Maintenance Operations.

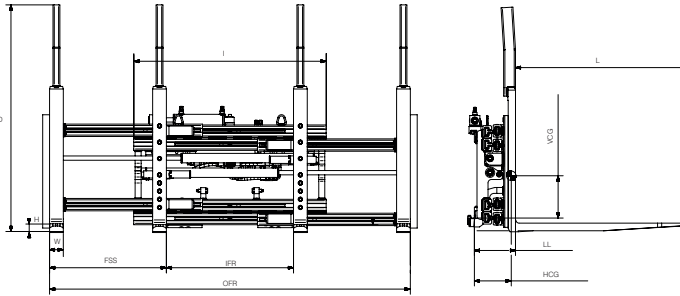
- **Highest robustness** – successfully tested with more than 1 million load cycles with double the normal load capacity.
- **Torsion resistant steel profiles** for permanently safe transportation.
- **Optimum visibility design** – lowest chassis height with maximum openings through and underneath the chassis.

05

- **Safe Handling** – the perfect match of pallets.
- **Easy conversion of the ITA mounting class** (ITA 2 and 3 included as standard) - ideal for fleet users, and rental fleets for alternating applications logistic and rental fleet operation.
- **Reduced wear parts cost**, applicable without gas spring for GMA pallets.



Range: 4,800 - 7,000 Lbs.



Features:

- Single/double pallet handler for handling one or two pallets for increased efficiency.
- Durable design for even hardest applications.
- Torsion resistant profiles for stable pallet transport.
- Highest visibility for safe handling.
- Synchronized fork travel by flow divider for perfect fit to pallet drive-in measurements.
- Dual Mounting Concept for highest flexibility.
- Lowest life time cost thanks to high quality wear components and service optimized engineering.

05

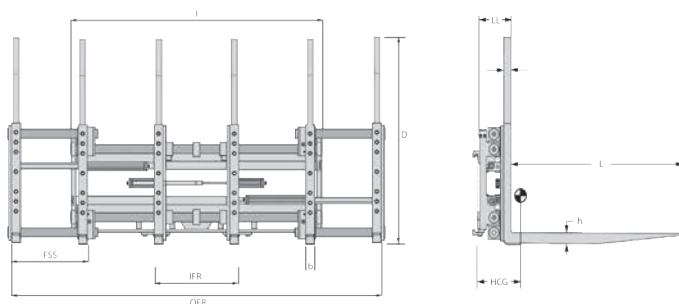
Model	Capacity Lbs. @ 24"	Fork Set Spread	Outer Fork Range	Inner Fork Range	Fork Dimensions	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Mounting Class
	Q	FSS	OFR	IFR	L x w x h ①	I	FL	D	W	LL	HCG	VCG	
Beverage 36" x 36"													
12PH55SA-1B	5,500	24"	26" - 81"	13" - 33"	36" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,153	9.6"	7.0"	12.0"	II
12PH55SB-1B	5,500	24"	26" - 81"	13" - 33"	36" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,149	9.5"	7.0"	12.0"	III
12PH70SB-1B	7,000	24"	26" - 81"	13" - 33"	36" x 3.2" x 2.4" - 2.2"	44.1"	36"	48"	1,275	10.1"	8.4"	12.4"	III
GMA & Chep Block 40" x 48"													
12PH55SA-1G	5,500	27"	28" - 83"	15" - 29"	42" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,174	9.6"	7.0"	12.0"	II
12PH55SB-1G	5,500	27"	28" - 83"	15" - 29"	42" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,170	9.5"	7.0"	12.0"	III
12PH70SB-1G	7,000	27"	28" - 83"	15" - 29"	42" x 3.2" x 2.4" - 2.2"	44.1"	36"	48"	1,323	10.1"	9.0"	13.0"	III
Container 44" x 56"													
12PH55SA-1C	5,500	24"	26" - 81"	13" - 33"	54" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,240	9.6"	7.5"	13.2"	II
12PH55SB-1C	5,500	24"	26" - 81"	13" - 33"	54" x 3.2" x 1.8" - 1.6"	44.1"	36"	48"	1,236	9.5"	7.5"	13.2"	III
12PH70SB-1C	7,000	24"	26" - 81"	13" - 33"	54" x 3.2" x 2.4" - 2.2"	44.1"	36"	48"	1,389	10.1"	10.0"	14.2"	III

Notes:

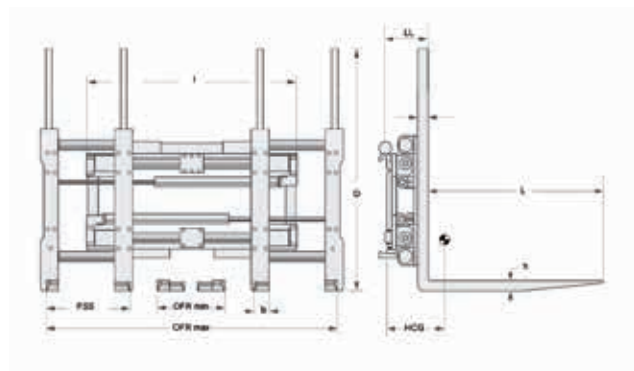
- Two hydraulic functions required for sideshifting model.
- Total sideshift 8".
- Mountings: Standard ITA mounting. For special mountings, consult Bolzoni Auramo.
- Attention: These attachment models are designed for load handling on forks only. Not suitable for clamping.
 - ① 1.6" outer forks - 1.4" inner forks (4,800# cap.)
 - 1.8" outer forks - 1.6" inner forks (5,500# cap.)
 - 2.4" outer forks - 2.2" inner forks (7,000# cap.)

Options:

- Quick lower hooks Class 2&3.....
- Dual Mounting Adaptor Kit
 - Class 2
 - Class 3
- Alternative fork lengths or sections.
- Alternative opening / closing ranges or fork spreads.
- Design available without Pneumatic Springs for GMA & Chep Block handling.
- Alternative load backrests.
- Alternative available without sideshift.


Features:

- Shaft type design.
- Triple pallet handler for handling one, two or three pallets.
- Excellent visibility through the body.
- Separate sideshift provides constant sideshift range, regardless of the fork opening.
- Incorporated load backrests.
- Synchronized fork movement.
- Interchangeable bolt-on forks with specially reinforced heel area. High quality steel.

05
Models DS-FS (Sideshifting), Shaft Guide

Features:

- Shaft type design.
- Pallet handler for handling two or four in depth.
- These models offer the possibility to lift pallets on both sides, either two or four at a time.
- Excellent visibility through the body.
- Separate sideshift provides constant sideshift range regardless of the fork opening.
- Incorporated load backrests.
- Synchronized fork movement.
- Bolt-on forks with specially reinforced heel area. High quality steel.
- Forks are hydraulically adjusted with a single lever.

Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Sideshifter		
	Minumum GPM	Recommended GPM	Maximum GPM	Minumum GPM	Recommended GPM	Maximum GPM
1-2 Pallet Handler						
12 PH	7	8	9	7	8	9

05

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Sideshifting Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
1-2 Pallet Handler					
12 PH	1,450	2,175	1,450	2,175	2

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Load Backrest for 1-2 Pallet Handlers

Tube Backrest

<i>Number</i>	<i>Height</i>	<i>Weight</i>
TB 60	60"	33
TB 72	72"	65
TB 80	80"	90

Interlocking Finger Backrest

<i>Number</i>	<i>Height</i>	<i>Weight</i>
IB 48	48"	140
IB 60	60"	202
IB 72	72"	390
IB 80	80"	425

Hydraulic Options

Installation kit

<i>Number</i>	<i>Function</i>
HJL-6-S-30	1 - for non-sideshifting units
HJL-6-D-30	2 - for sideshifting units

Quick Disconnect Hydraulic Couplers

<i>Number</i>	<i>Hose Functions</i>
QD-0606-1HF	-
QD-0606-2HF	-

Special Forks Length

<i>Length</i>
48"
60"

▶ Working Factors

TYPE OF LOAD

- ☐ Beverage
- ☐ Brick Industry
- ☐ Cardboard Packages
- ☐ Glass Industry
- ☐ Other

NUMBER OF PALLETS

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ Other

COMPLETE PACKAGE DIMENSION

Load height in

Load length (from top side of pallet) in

Load width in

Load weight lb

SINGLE PALLET DIMENSION

- ☐ Beverage 36"x36"
- ☐ GMA&Chep Block 40"x48"
- ☐ Container 44"x56"
- ☐ Other

DEPTH OF PALLET

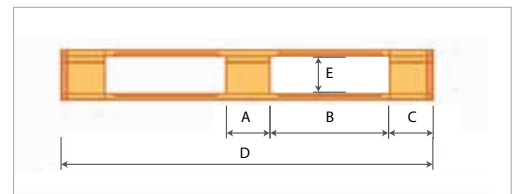
A in

B in

C in

D in

E in



DEPTH OF PALLET

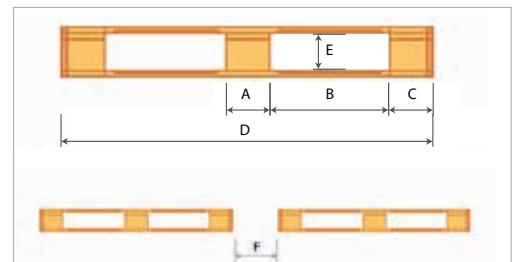
A in

B in

C in

D in

E in



Max Weight lb

Effective load center in

DISTANCES

Max Distance between the pallets (F) in

Shifts per day

Condition of use

Required quantity

FORK ENTRY INTO PALLETS

- ☐ crosswise
- ☐ lengthwise
- ☐ from both sides

► Forklift Info

Brand	
Model	
Capacity (lb)	
Hooking Type	

☐ ITA 2 ☐ ITA 3 ☐ ITA 4

Min. carriage width in

Forklift already equipped with sideshift ☐ yes ☐ no

► Notes

► Customer Info

Name	
Phone	
Email	
State	

NOTES

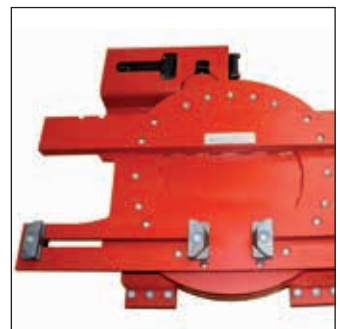
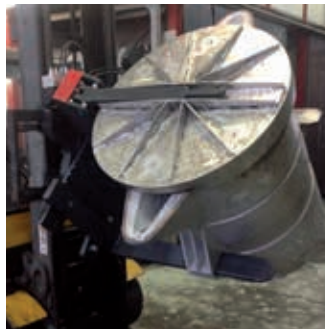
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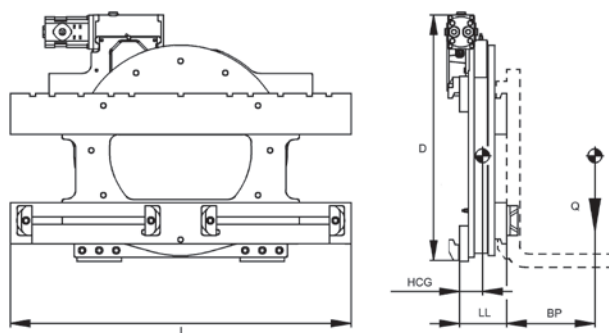


Rotators, 360-degree Rotation	
Models RC	6-1
Rotators, 360-degree Rotation, Special Execution for Foundry	
Models RC-F	6-2
Invert-A-Bin	
Models CG-S	6-3
Technical Information	6-4
Accessories and Options	6-5



06





Range: 2,700 - 15,200 Lbs.

Features:

- 360-degree rotator with ITA fork carriage for all applications requiring rotation. Commonly used in industries where the working cycles require rotation or emptying of boxes or containers.
- Fork carriage welded to the rotating frame.
- Fast and high-torque rotation.
- Continuous rotation both ways.
- Open center design, and minimized overall dimensions, ensure excellent visibility.
- New fork fixing system grants safe and easy fork positioning.
- Motor-gear box on the right (driver side) provides optimal visibility.
- Double scraper to protect the bearing.

06

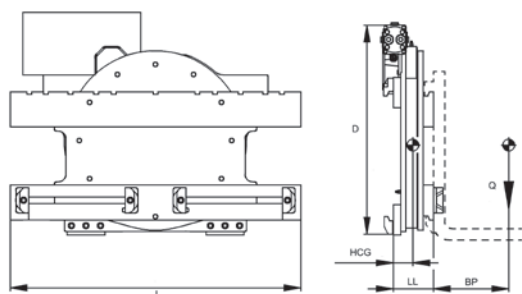
Model	Capacity Lbs.	Load Center	Fork Carriage Width	Min. Carriage Width	Max. Fork Spread	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Max. Torque	Rotation Speed "rpm"	Mounting Class
	Q	BP	I	FL	FS	W	HCG	VCG	LL	In./Lbs.	RPM ①	
RC 15 10A	2,700	24"	38.6"	22.9"	34.1"	369	2.9"	11.0"	5.6"	54,000	4.4	II
RC 20 10A	3,600	24"	38.6"	22.9"	34.1"	375	3.0"	11.0"	5.6"	54,000	4.4	II
RC 25 10A	4,500	24"	38.6"	22.9"	34.1"	404	3.0"	11.2"	5.6"	73,000	4.4	II
RC 35 11B	6,300	24"	45.3"	34.3"	39.4"	678	3.3"	13.3"	6.3"	107,000	5.4	III
RC 40 11B	7,200	24"	45.3"	34.3"	39.4"	689	3.6"	13.7"	6.3"	107,000	5.4	III
RC 45 12B	8,700	24"	49.2"	34.3"	43.1"	760	3.6"	13.2"	6.3"	107,000	5.4	III
RC 45 12C	8,700	24"	49.2"	43.7"	43.1"	1,050	4.1"	12.9"	8.2"	107,000	5.4	②
RC 55 15C	9,900	24"	55.1"	35.4"	48.8"	1,328	3.6"	19.1"	7.3"	176,000	3.5	IV
RC 55 17C	9,900	24"	68.5"	35.5"	61.9"	1,380	4.1"	16.0"	7.3"	176,000	3.5	IV
FG 70 17 C	15,200	24"	68.5"	33.9"	65.3"	1,700	4.5"	16.0"	7.3"	131,000	3.5	IV

Notes:

- One hydraulic function.
- Rotators are delivered without forks. The majority of lift truck forks can be used without any modifications.
- Forks are available on request, please consult Bolzoni Auramo.
- Mountings: Standard ITA mounting.
- Price does not include connection hoses.
- ① Rotation speed with recommended oil flow rate. See page 6-4.
- For lift truck with a very low oil flow it is advisable to fit a dual pilot check valve to the motor unit inlet.
- Maximum operating pressure, see page 6-4.
- If the lift truck connection pressure exceeds the maximum operating pressure, separate pressure relief valves are required.
- The rotator can accept the installation of a third hook on the forks.
- Hooking to rotate and to empty cases or boxes.
- ② On the forklift truck carriage: class IV
On the attachment fork carriage: class III

On request:

- Other fork carriage widths available, please consult Bolzoni Auramo.
- Separate side shift.
- ITA Lower Quick Disconnect Hooks. The lower quick disconnect hooks can be manually opened.
- Rotation stop at 180° with hydraulic dumper. Please specify rotation direction.
- Side support fork arm.
- Fishery option with galvanized paint.....
- Bin hold down Class II and III



Range: 2,700 - 15,200 Lbs.

Features:

- Unchanged features of basic rotator, but shows improved features against the heat and the dust of foundries.
- Protection steel plate for motor and hoses in the upper part of the rotator.
- Central steel cover to close the of the unit.
- Special steel protection around the cover, to insulate rubber ring from dirt penetration.

06

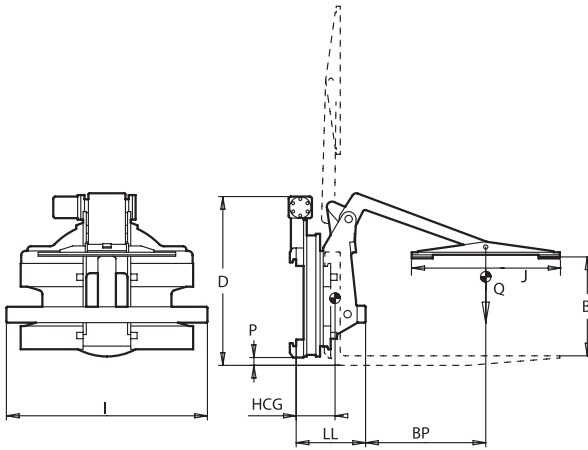
Model	Capacity Lbs.	Load Center	Fork Carriage Width	Max. Fork Spread	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Max. Torque	Rotation Speed "rpm"	Mounting Class
	Q	BP	I	FS	W	HCG	VCG	LL	In./Lbs.	RPM ①	
RC 15 10A-F	2,700	24"	38.6"	34.1"	381	3.0"	11.0"	5.6"	54,000	4.4	II
RC 20 10A-F	3,600	24"	38.6"	34.1"	387	3.0"	11.0"	5.6"	54,000	4.4	II
RC 25 10A-F	4,500	24"	38.6"	34.1"	416	3.0"	11.2"	5.6"	73,000	4.7	II
RC 35 11B-F	6,300	24"	45.3"	39.4"	690	3.3"	13.3"	6.3"	107,000	5.8	III
RC 40 11B-F	7,200	24"	45.3"	39.4"	701	3.6"	13.7"	6.3"	107,000	5.8	III
RC 45 12B-F	8,700	24"	49.2"	43.1"	772	3.6"	13.2"	6.3"	107,000	5.8	III
RC 55 17C-F	12,000	24"	68.5"	61.9"	1,303	4.1"	16.0"	7.3"	176,000	3.5	IV
FG 70 17C-F	15,200	24"	68.5"	65.3"	1,712	4.5"	16.0"	7.3"	131,000	3.5	IV

Notes:

- One hydraulic function.
- Rotators are delivered without forks. The majority of lift truck forks can be used without any modifications.
- Forks are available on request, please consult Bolzoni Auramo.
- Mountings: Standard ITA mounting.
- Price does not include connection hoses.
- ① Rotation speed with recommended oil flow rate. See page 6-4.
- For lift truck with a very low oil flow it is advisable to fit a double pilot check valve to the motor unit inlet.
- Maximum operating pressure, see page 6-4.
- If the lift truck connection pressure exceeds the maximum operating pressure, separate pressure relief valves are required.
- The rotator can accept the installation of a third hook on the forks.
- Hooking to rotate and to empty cases or boxes.

On request:

- Other fork carriage widths available, please consult Bolzoni Auramo.
- Separate side shift.
- ITA Lower Quick Disconnect Hooks. The lower quick disconnect hooks can be manually opened.
- Rotation stop at 180° with hydraulic dumper. Please specify rotation direction.
- Side support fork arm.



Range: 2,000 - 4,000 Lbs.

Features:

- Invert-a-bin attachment is used to pick up bins and containers in farming and food plants.
- 360° continuous rotation in both directions.
- When the top arm is at maximum opening the lift truck can be used as a normal forklift.

06

Model	Capacity in Rotation	Capacity on Forks	Load Center	Opening Range	Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Thickness	Ground Clearance	Plate Length	Mounting Class
	Q	Q'	BP	B	I	D	W	HCG	VCG	LL	P	J	
CG 10 S5A	2,000	4,000	24"	15.7" - 27.5"	37.4"	30.8"	840	9.1"	13.0"	12.6"	0.4"	47.2"	II
CG 10 S6A	2,000	4,000	24"	28.3" - 39.4"	37.4"	30.8"	870	8.7"	17.5"	12.8"	0.4"	47.2"	II
CG 10 S7A	2,000	4,000	24"	15.7" - 39.4"	37.4"	30.8"	1,060	9.8"	17.0"	13.8"	0.4"	47.2"	II
CG 10 S8A	2,000	4,000	24"	39.4" - 51.2"	37.4"	30.8"	950	9.1"	20.0"	12.8"	0.4"	47.2"	II

Notes:

- Two hydraulic functions.
- Attachment is delivered without forks; the original lift truck forks can be fitted without modification.
- Q = Capacity in rotation.
- Q' = Capacity on forks.
- Please, note that the fork capacity must be adequate for load specifications.

On request:

- Separate sideshift.
- Stainless steel pivot pins.....

Oil flow rate recommendations

Model	Oil Flow Rate, Rotator		
	Minimum GPM	Recommended GPM	Maximum GPM
RC 15	5	8	11
RC 20	5	8	11
RC 25	7	9	12
RC 35	9	16	20
RC 40	9	16	20
RC 45	9	16	20
RC 55	9	16	20
FG 70	16	24	32
CG 10 for Stabilizer	3	4	5
CG 10 for Rotator	4	7	9

06

Hydraulic functions and hydraulic pressure recommendations

Model	Rotation Pressure		Hydraulic Functions
	Minimum PSI	Maximum PSI	
RC 15	1,400	2,000	1
RC 20	1,400	2,000	1
RC 25	1,400	2,000	1
RC 35	1,400	2,000	1
RC 40	1,400	2,000	1
RC 45	1,400	2,000	1
RC 55	1,400	2,000	1
FG 70	1,400	2,000	1
CG 10 for Stabilizer	1,000	1,700	2
CG 10 for Rotator	1,450	1,700	-

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Forks

Bolzoni rotators are delivered without forks. Standard lift truck forks can be used without any modification. Forks are available on request. Special forks designed for rotator use are recommended. Ensure that the capacity of the forks meets or exceeds handling requirements.

Side Support Fork Arm

Model

On request

Mounting Options

The standard mounting is a hook mounting according to ISO 2328 class 1/2/3/4. See the specification pages. Standard mounting angle for all rotator models is 0°.

Non-standard or Special Mountings

These are not included in the attachment price. Add-on prices are on request. For non-standard mounting detailed information is required from customer.

Load backrest for model RC

Class

height

Class II/III

48°

Front cover plates

Model

On request

Hydraulic Options

Installation kit

For one hydraulic function (standard fittings). An installation kit for one hydraulic function contains 2 hoses. Length of the hoses is 30". Other hose sizes and lengths are available on request.

Function

Number

Single Function

HJL-6-S-30

Two Functions

HJL-8-S-30

NOTES

[illegible]



Carton Clamps

Models LS-V Quattro (<i>Sideshifting</i>)	7-1
Models LS-V FB Quattro (<i>Sideshifting</i>)	7-2

Carton Clamps, Double Wide

Models LS-DW (<i>Sideshifting</i>)	7-3
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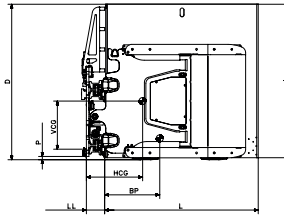
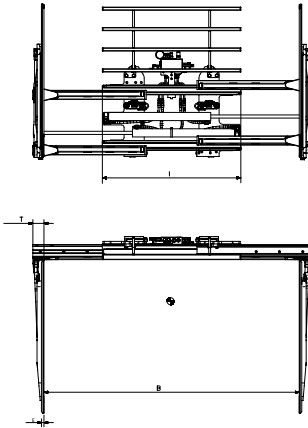
Appliance and Carton Clamps

Intelligent Carton Clamp, Model Easy-MOVE	7-4
Force control System, Model Easy-FORCE-C	7-5
Spring Pad System - Model ForceBalance Pad	7-6
Four Point Clamping Force Tester	7-7

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Accessories and Options	7-9
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Quattro

Range: 2,000 - 4,400 Lbs.

Features:

- Very rigid frame structure with single piece double T-profile.
- Wide visibility window for safe and easy handling operations.
- Large surface aluminium pads.
- Single oscillating pad.
- Special high-friction vulcanized rubber lining for increased positive grip allowing safe and damage-free handling.
- 4-ways reversible pads.
- Thin arm profile and new elbow support design allow easy knifing between loads.
- All standard models are suitable for pallet handling application.

Model	Capacity Lbs.	Load Center	Opening Range		Arm Dimensions			Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Ground Clearance	Mounting Class
	Q	BP	B min	B max	A x	L x	E	I	FL	D	W	HCG	VCG	LL	P	
LS 12 V1A	2,600	15"	22.0"	79.9"	48.0"	30.0"	2.2"	44.1"	27.2"	48.3"	1,257	12.4"	17.8"	5.8"	1.2"	II
LS 12 V1A	2,600	15"	24.8"	78.3"	48.0"	30.0"	2.2"	40.2"	27.2"	48.3"	1,235	12.4"	17.8"	5.8"	1.2"	II
LS 12 V3A	2,600	20"	23.2"	76.8"	48.0"	40.0"	2.2"	40.2"	27.2"	48.3"	1,323	13.1"	15.0"	5.8"	1.2"	II
LS 10 V4A	2,500	21"	22.4"	76.8"	48.0"	42.0"	2.2"	40.2"	27.2"	48.3"	1,341	16.9"	14.9"	5.5"	1.2"	II
LS 10 V5A	2,500	23"	22.4"	76.8"	48.0"	46.0"	2.2"	40.2"	27.2"	48.3"	1,471	18.0"	15.0"	5.5"	1.2"	II
LS 09 V6A	2,500	24"	22.4"	76.8"	48.0"	48.0"	2.2"	40.2"	27.2"	48.3"	1,544	19.4"	15.0"	5.5"	1.2"	II
LS 09 V7A	2,000	26"	22.0"	76.4"	48.0"	52.0"	2.2"	40.2"	27.2"	48.3"	1,610	20.9"	15.0"	5.5"	1.2"	II
LS 16 V3A	3,500	20"	22.0"	78.3"	48.0"	40.0"	2.2"	42.5"	27.2"	48.3"	1,367	13.1"	15.0"	5.8"	1.2"	II/III
LS 16 V4A	3,500	21"	22.0"	78.3"	48.0"	42.0"	2.2"	42.5"	27.2"	48.3"	1,455	13.9"	15.0"	5.8"	1.2"	II/III
LS 16 V5A	3,500	23"	22.0"	78.3"	48.0"	46.0"	2.2"	42.5"	27.2"	48.3"	1,521	18.2"	15.0"	5.8"	1.2"	II/III
LS 16 V6A	3,500	24"	22.0"	78.3"	48.0"	48.0"	2.2"	42.5"	27.2"	48.3"	1,577	19.0"	15.0"	5.8"	1.2"	II/III
LS 14 V7A	3,100	26"	21.7"	78.0"	48.0"	52.0"	2.2"	42.5"	27.2"	48.3"	1,599	20.8"	15.0"	5.8"	1.2"	II/III
LS 14 V8A	3,100	27"	21.7"	78.0"	48.0"	54.0"	2.2"	42.5"	27.2"	48.3"	1,643	21.4"	15.0"	5.8"	1.2"	II/III
LS 16 VJA	3,500	20"	22.0"	78.3"	54.0"	40.0"	2.2"	42.5"	27.2"	54.3"	1,433	16.5"	17.8"	5.8"	1.2"	II/III
LS 16 VXA	3,500	24"	22.0"	78.3"	54.0"	48.0"	2.2"	42.5"	27.2"	54.3"	1,610	18.4"	17.8"	5.8"	1.2"	II/III
LS 14 VYA	3,100	26"	21.7"	78.0"	54.0"	52.0"	2.2"	42.5"	27.2"	54.3"	1,654	19.4"	17.8"	5.8"	1.2"	II/III
LS 20 V6A	4,400	26"	18.5"	77.6"	48.0"	48.0"	2.2"	50.3"	27.2"	48.3"	2,139	17.7"	17.8"	6.4"	1.2"	III

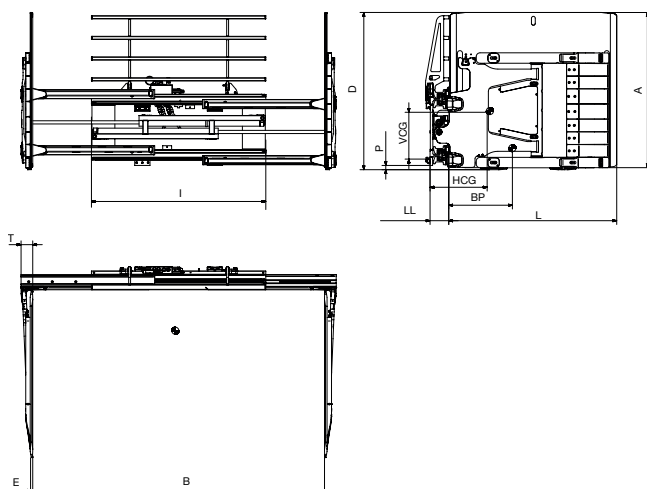
Notes:

- Two hydraulic functions.
- E= arm thickness, including rubber.
- T= arm thickness at the arm base, including rubber, 3.9" for all models.
- Block valve with 2 pressure relief valve, factory pre-setting.
- Internal sideshift.
- Pressure gauge.
- Flow divider for equal arms movement.
- Load backrest.
- Quick disconnect lower hooks.
- Weld-on arms.
- Aluminium pads with single oscillation.

Options:

- Special opening ranges.
- Other arm dimensions.
- Removable side load stabilizers.
- Class III mounting.
- Four position pressure relief valve.
- Double oscillating arm pad.
- Rigid arms, without oscillation.
- Razorback pads.
- Replaceable 7" high wear plates at the bottom of each pads (these pads are only 2 ways reversible):
 - diamond plate replaceable wear strip: ...
 - rubber covered plates:
- Non-sideshifting - no charge

Models LS-V FB (Sideshifting)



Range: 2,000 - 4,400 Lbs.

Features:

- Both vertical and horizontal alignment are adjusted through elastic elements. This leads to a correct clamping force distribution. Recommended for the home appliance handling.
- Large surface aluminium pads.
- Single oscillating pad.
- Special high-friction vulcanized rubber lining for increased positive grip allowing safe and damage-free handling.
- Thin arm profile and new elbow support design allow easy knifing between loads.
- Interchangeable left-right pads for more even rubber wear.

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Model	Capacity Lbs.	Load Center	Opening Range		Arm Dimensions			Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Ground Clearance	Mounting Class
	Q	BP	B min	B max	A x L x E	I	FL	D	W	HCG	VCG	LL	P			
LS 12 V1A-FB	2,600	15"	22.0"	79.9"	48.0" 30.0" 2.2"	44.1"	27.2"	48.3"	1,257	12.4"	17.8"	5.8"	1.2"	II		
LS 12 V2A-FB	2,600	15"	24.8"	78.3"	48.0" 30.0" 2.2"	40.2"	27.2"	48.3"	1,235	12.4"	17.8"	5.8"	1.2"	II		
LS 12 V3A-FB	2,600	20"	23.2"	76.8"	48.0" 40.0" 2.2"	40.2"	27.2"	48.3"	1,323	13.1"	15.0"	5.8"	1.2"	II		
LS 10 V4A-FB	2,500	21"	22.4"	76.8"	48.0" 42.0" 2.2"	40.2"	27.2"	48.3"	1,341	16.9"	14.9"	5.5"	1.2"	II		
LS 10 V5A-FB	2,500	23"	22.4"	76.8"	48.0" 46.0" 2.2"	40.2"	27.2"	48.3"	1,471	18.0"	15.0"	5.5"	1.2"	II		
LS 09 V6A-FB	2,500	24"	22.4"	76.8"	48.0" 48.0" 2.2"	40.2"	27.2"	48.3"	1,544	19.4"	15.0"	5.5"	1.2"	II		
LS 09 V7A-FB	2,000	26"	22.0"	76.4"	48.0" 52.0" 2.2"	40.2"	27.2"	48.3"	1,610	20.9"	15.0"	5.5"	1.2"	II		
LS 16 V3A-FB	3,500	20"	22.0"	78.3"	48.0" 40.0" 2.2"	42.5"	27.2"	48.3"	1,367	13.1"	15.0"	5.8"	1.2"	II/III		
LS 16 V4A-FB	3,500	21"	22.0"	78.3"	48.0" 42.0" 2.2"	42.5"	27.2"	48.3"	1,455	13.9"	15.0"	5.8"	1.2"	II/III		
LS 16 V5A-FB	3,500	23"	22.0"	78.3"	48.0" 46.0" 2.2"	42.5"	27.2"	48.3"	1,521	18.2"	15.0"	5.8"	1.2"	II/III		
LS 16 V6A-FB	3,500	24"	22.0"	78.3"	48.0" 48.0" 2.2"	42.5"	27.2"	48.3"	1,577	19.0"	15.0"	5.8"	1.2"	II/III		
LS 14 V7A-FB	3,100	26"	21.7"	78.0"	48.0" 52.0" 2.2"	42.5"	27.2"	48.3"	1,599	20.8"	15.0"	5.8"	1.2"	II/III		
LS 14 V8A-FB	3,100	27"	21.7"	78.0"	48.0" 54.0" 2.2"	42.5"	27.2"	48.3"	1,643	21.4"	15.0"	5.8"	1.2"	II/III		
LS 16 VJA-FB	3,500	20"	22.0"	78.3"	54.0" 40.0" 2.2"	42.5"	27.2"	54.3"	1,433	16.5"	17.8"	5.8"	1.2"	II/III		
LS 16 VXA-FB	3,500	24"	22.0"	78.3"	54.0" 48.0" 2.2"	42.5"	27.2"	54.3"	1,610	18.4"	17.8"	5.8"	1.2"	II/III		
LS 14 VYA-FB	3,100	26"	21.7"	78.0"	54.0" 52.0" 2.2"	42.5"	27.2"	54.3"	1,654	19.4"	17.8"	5.8"	1.2"	II/III		
LS 20 V6A-FB	4,400	26"	18.5"	77.6"	48.0" 48.0" 2.2"	50.3"	27.2"	48.3"	2,139	17.7"	17.8"	6.4"	1.2"	III		

Notes:

- Two hydraulic functions.
- E= arm thickness, including rubber.
- T= arm thickness at the arm base, including rubber, 3.9" for all models.
- Block valve with 2 pressure relief valve, factory pre-setting.
- Internal sideshift.
- Pressure gauge.
- Flow divider for equal arms movement.
- Load backrest.
- Quick disconnect lower hooks.
- Weld-on arms.
- Aluminium pads with single oscillation.

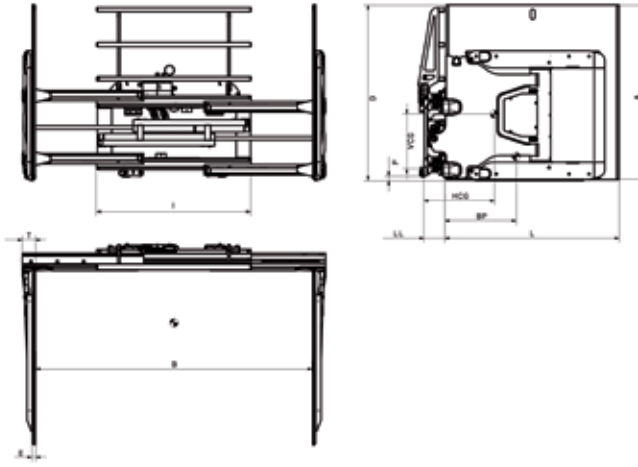
Options:

- Special opening ranges.
- Other arm dimensions.
- Removable side load stabilizers.
- Class III mounting.
- Four position pressure relief valve.
- Double oscillating arm pad.
- Rigid arms, without oscillation.
- Razorback pads.
- Replaceable 7" high wear plates at the bottom of each pads (these pads are only 2 ways reversible):
 - diamond plate replaceable wear strip:
 - rubber covered plates:
- Non-sideshifting - no charge

Range: 2,500 Lbs.

Features:

- Very rigid frame structure with single piece double T-profile.
- Wide visibility window for safe and easy handling operations.
- Large surface aluminium pads.
- Single oscillating pad.
- Special high-friction vulcanized rubber lining for increased positive grip allowing safe and damage-free handling.
- Interchangeable left-right pads for more even rubber wear.
- Thin arm profile and new elbow support design allow easy knifing between loads.



Model	Capacity Lbs.	Load Center	Opening Range		Arm Dimensions				Frame Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Ground Clearance	Mounting Class
	Q	BP	B min	B max	A x L	x E x T			I	D	W	HCG	VCG	LL	P	
LS 14 DWCA	2,500	24"	29.9"	101.9"	48"	48"	2.1"	3.3"	50.0"	24.6"	1,765	17.0"	17.2"	5.5"	0.9"	II

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Notes:

- Two hydraulic functions.
- Block valve with 2 pressure relief valve, factory pre-setting.
- Integral sideshift.
- Pressure gauge.
- Flow divider for equal arm movement.
- Load backrest.
- Bolt-on lower hooks.
- Weld-on arms.
- Aluminium arms with single oscillating pad.

Options:

- Special opening ranges.
- Other arm dimensions (max L=55" and H=57").
- Quick disconnect lower hook.
- Removable side load stabilizers.
- Separate sideshift.
- Class III mounting at no charge.
- Four position pressure relief valve.
- Double oscillating arm pad.
- Rigid arms, without oscillation.

Easy-MOVE

The new Bolzoni Auramo intelligent clamping force control system is an easy way to handle home appliances avoiding any risk of damage to the goods and the packaging. Easy-MOVE is the right answer for inbound logistics, factory stores and regional distribution centers: the simplified and user friendly laser sensors technology allows the setting of 16 different pressure levels related to the specific load configurations.

Damage-free handling is becoming a must and in order to grant a total prevention Easy-MOVE provides an electronic control of the clamping force, driven by the number and dimensions of the unit loads which have to be handled.

The laser sensors and the electronic micro-control allow the system to detect the load and input the correct clamping pressure through a proportional pressure relief valve. Arms closing speed reduces automatically at 2" distance from the load to grant a safer approach to boxes.

The micro-control can be connected via USB to a normal lap-top and through an easy procedure the operator can adjust the handling and load parameters.

Forklift driver operates as with a standard conventional clamp. No special installation on the forklift required.

Please consult Bolzoni for technical details and prices

Laser detector

Laser sensor for upper row to detect presence of boxes in the upper part of the pads.



Load distance sensor

Laser sensor display showing distance with the load.



Opening sensor

Laser sensor to detect opening of the clamp.

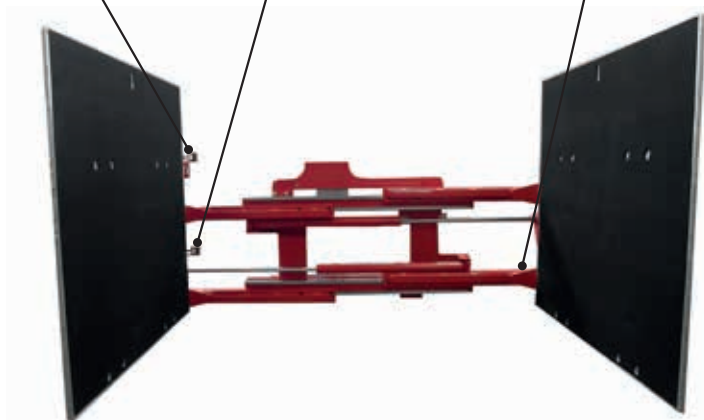


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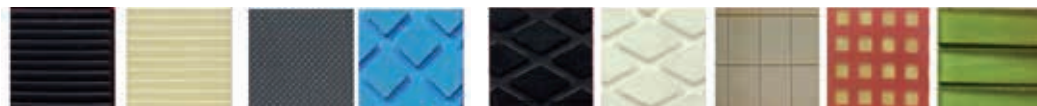
Dedicated Bolzoni Tablet

Tablet to adjust pressure parameters (opening range, calibrate sensors, set clamp to manual mode).



The right pad coating for every load

Contact pads are the most important part of the clamp attachment. In most normal handling situations, the pads are the only parts of the clamp which actually are in contact with the packaging. Therefore, Bolzoni has paid special attention in designing and manufacturing contact pads which will ensure a safe and non-damaging white goods handling.



Standard striped
Vulcanized black

Standard striped
Vulcanized white

Structured
rubber

Remagrip

Diamond shaped
Black

Diamond shaped
White

Cellasto

Secutex

Secutex with
foam rubber

Easy-FORCE-C

The Bolzoni Auramo Easy-FORCE-C clamping force control system is the ideal solution in the white goods applications and specifically for big logistic services handling several types of loads and volumes that require different clamping forces.

The Easy-FORCE-C system enables the truck driver to easily select the clamping force according to the load category, type and configuration. Through a touch screen the driver selects the handling load and the pressure parameters are automatically set into the clamp to generate the correct clamping force.

Product handling configuration

On the 7" touch screen monitor the truck driver selects the product type icon, in a very intuitive way, and the product configuration, that is how the load is composed.

As the device has got all information by the operator, it enters into action setting the correct pressure in the clamp. After the load has been safely positioned and the handling is finished, the truck driver opens the clamp arms. It is now possible to quickly reselect the same product handling configuration, or to restart the selection process for a new load configuration.

Remote handling data management

This device is very helpful to fleet managers as well, as it enables to access the load handling data in remote.

In facts, thanks to a web-server interface, it enables to access, via smartphone, tablet or pc in real time the handling data: GPS geolocalization, data tracking. All data are accessible to the fleet manager, and can be stored in a database, with cripted access (https).

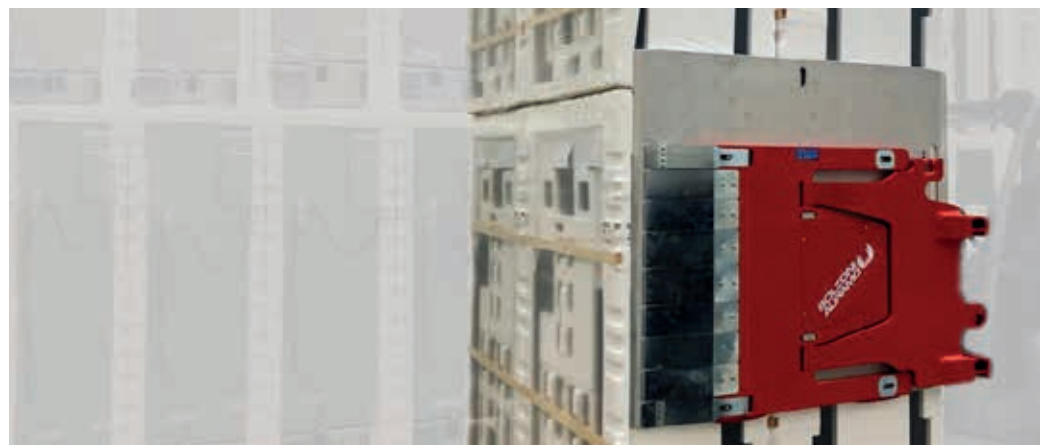
E-mail or sms notifications can be set for warnings or for maintenance schedule management.



Force Balance Pad

The new Bolzoni Auramo ForceBalance System allows perfect distribution of the clamping force over the pads' surface thanks to the user friendly registration of 4 thread screws that impact on the arm camber.

Positioned in the 4 corners of the arm carrier the screws can be easily adjusted to make the clamp perfectly suitable for all specific handling configurations. The ForceBalance Pad alining system provides a completely damage free solution for the load.



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The system is designed to keep the very thin arm profile with tapered leading edge of the conventional clamps adding the ease of the force distribution control. Thanks to the front elastic elements no gap and additional arm thickness is created while adjusting and regulating the screws.

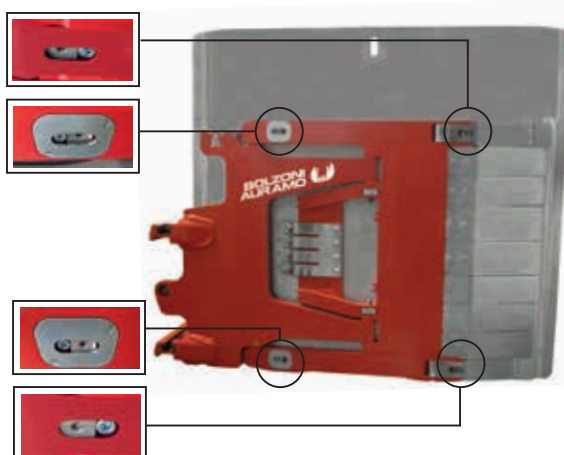
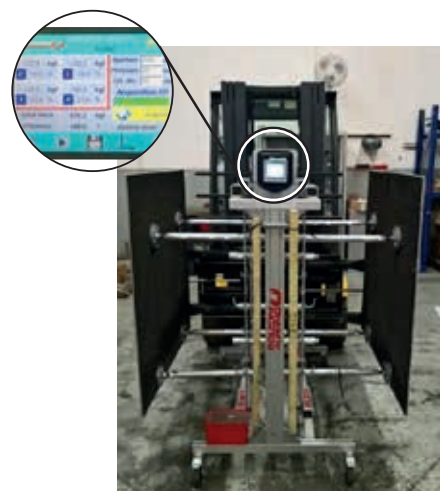
By adjusting the four screws, the elastic elements are deformed. This enables to reach the perfect panel protrusion to match the load handling application.

This innovative and intuitive mechanical device makes life easier for every truck driver who wants to grant optimum clamping force every time and ensures the following technical advantages.

Force Balance Pad main features:

- Extremely fast operation
- No need of special tools for the operation of regulation
- No need of additional shims to impact on the force distribution
- No additional arm thickness
- Always correct approach to the load for a damage free handling
- No gap between arm carrier and aluminium panel

The Force Balance pad regulation system is internationally patent pending by Bolzoni Auramo.



Four Point Clamping Force Tester

This light weight and portable device is based on the most advanced load cell technology, to precisely measure the clamping force over four points on the pads: up-right, up-left, down-right and down-left.

The exact pressure value is then shown on a user friendly LCD display, both in kilos and in percentage of the single area on the total applied force.

The user friendly LCD interface of Bolzoni Auramo 4-Point tester allows the saving of the current values and the acquisition of all the data on a USB memory stick.

Features:

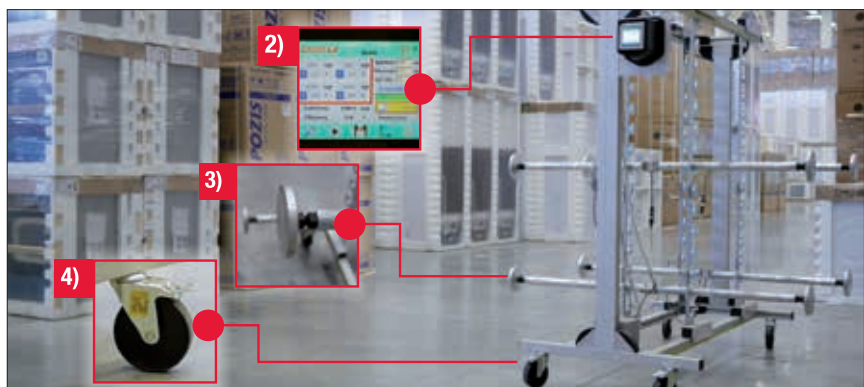
- Precise and accurate load cell technology.
- Modular design with measurement bars to check the clamping force at different opening ranges.
- LCD display with touch screen technology.

The touch screen display shows:

- The measurement values.
- The clamp condition when the measurement is made.
- The button to store the measurement.
- The measurement identification number, that can be set by the user in order to identify the test among all other test measurement saved.
- A set of icons that lead the user to a configuration page to set up or calibrate the instrument and recover all saved acquisition data.



- Multilanguage communication system.
- Heavy duty cart design.
- Lower frame on high resistance polyurethane wheels – two with brakes.
- Easy assembly and reduced weight thanks to aluminum bars.



Legend:

1. Opening measuring ruler.
2. LCD touch screen display.
3. Contact pads.
4. Frame wheels.
5. Modular bars.
6. USB interface.
7. Heavy duty cart.
8. Load cell technology.



Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Sideshifter		
	<i>Minumum GPM</i>	<i>Recommended GPM</i>	<i>Maximum GPM</i>	<i>Minumum GPM</i>	<i>Recommended GPM</i>	<i>Maximum GPM</i>
LS 09 - 12	4	6	7	-	-	-
LS 14 - 16	4	7	8	-	-	-

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Sideshifting Pressure		Hydraulic Functions
	<i>Minumum PSI</i>	<i>Maximum PSI</i>	<i>Minumum PSI</i>	<i>Maximum PSI</i>	
LS 09 - 12	600	1,900	1,800	3,200	2
LS 14 - 16	650	1,900	1,800	3,200	2

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Carton Clamp Options

Model

Special opening ranges
 Special frame widths
 Special arm lengths
 Special arm height

Low Profile Switch

Model

Kit-83123005

Hydraulic Options

Hydraulic Couplings

Number

On request

Installation kit

Function

Number

Single Function	HJL-6-S-30
Two Functions	HJL-6-D-30

Quick Disconnect Hydraulic Couplers

Number

Hydraulic Functions

QD-0606-1HF	1
QD-0606-2HF	2

Clamp Lock Valve

Number

CLSV-2-12-B-U

Four Stage Pressure Relief Valve

For certain types of handling, i.e.: electrical appliances or other boxed articles, it is recommended to use a pressure-relief valve having four predetermined positions. This valve enables easy clamping force setting to suit the type of load.

Number

401925-SA

► Working Factors

APPLIANCES

- ☐ Washing Machines
- ☐ Televisions
- ☐ Refrigerators
- ☐ Other

KIND OF PACKAGING

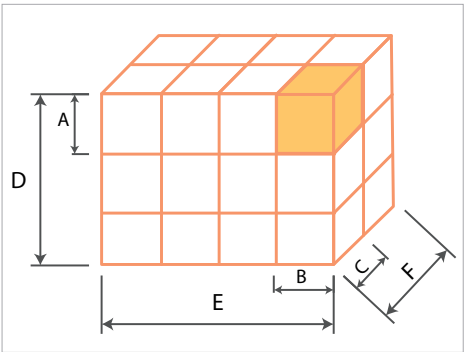
- ☐ Carton Boxes
- ☐ Nylon Wrapping
- ☐ Polystyrene Edge
- ☐ Wooden Edge

UNIT LOAD DIMENSIONS

- A in
- B in
- C in
- Single load weight lb

TOTAL LOAD DIMENSIONS

- D in
- E in
- F in
- Total load weight lb
- Shifts per day
- Condition of use
- Required quantity



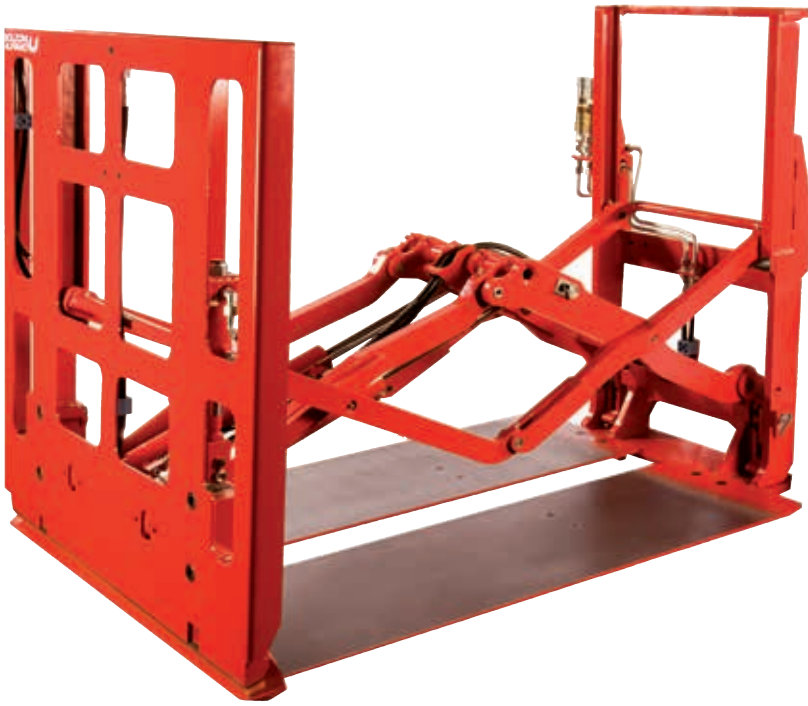
► Forklift Info

- Brand
- Model
- Capacity (lb)
- Hooking Type

► Customer Info

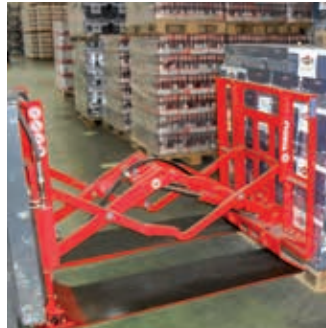
- Name
- Phone
- Email
- State

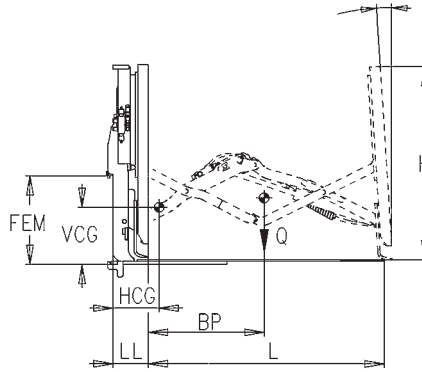
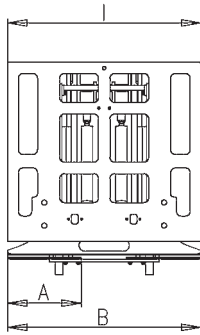
► Notes



Brudi Push Pull, Fork Mounted	
Models "Easy Rider"	8-1
Brudi Load Push, Fork Mounted	
Models "Easy Rider"	8-2
Brudi Load Push, Dedicated	
Models PL	8-3
Brudi Push Pull, Dedicated	
Models PA - PH	8-4
Brudi Push Pull	
Models Mark 55™	8-5
Load Push	
Models LX	8-6

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Range: 3,500 - 4,500 Lbs.

Features:

- Possibility to convert a conventional fork lift truck into a specially equipped machine to handle loads on slip sheets.
- Converting time: one minute.
- The driver enters the forks under the platens, tilts the mast forward, lifts the carriage up, engages the upper hooks, locks the lower mounting hooks in place and connects the quick change hydraulic couplings.
- The sheet gripper jaw is operated by a sequence valve.
- Maximum visibility.
- High tensile steel platens.
- Quick and easily mounts over truck forks.
- Proven, dependable push linkage – tilting push plate standard.

Model	Capacity Lbs.	Load Center	Platen Size	Stroke	Platen Out-to-Out	Push Plate	Thickness	Minimum Carriage Width	Horizontal Center of Gravity	Vertical Center of Gravity	Weight Lbs.	Mounting Class
	Q	BP	A x L	S	B	I x H	LL	FL	HCG	VCG	W	
PFZE035S1548-34W	3,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	7.7"	33.7"	9.4"	11.6"	773	II
PFZE035S1548-40W	3,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	7.7"	33.7"	9.4"	11.6"	773	II
PFZE045S1548-34W	4,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	7.7"	33.7"	9.6"	12.0"	795	II
PFZE045S1548-40W	4,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	7.7"	33.7"	9.6"	12.0"	795	II
PFZE045S1548-34WB	4,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	8.9"	36.0"	10.0"	12.2"	852	III
PFZE045S1548-40WB	4,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	8.9"	36.0"	10.0"	12.2"	852	III

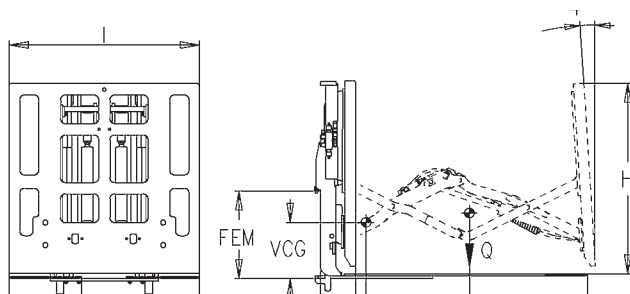
Fork Dimensions:

Size		Length			Fork Position inside
Recommended	Maximum	Minimum	Recommended	Maximum	
5.1" x 1.6"	5.5" x 1.8"	41.3"	43.3"	47.2"	22.6"

Notes:

- One hydraulic function.
- Pressure relief valve.
- Adjustable bolt-on platens, to fit two different overall widths.
- Important: Easy Rider must be hooked on the carriage and supported by forks of suitable capacity.
- Hydraulic couplers are recommended.
- "Easy Rider" push pull must be installed on standard forks to properly support the load and attachment and hooked on the forklift carriage.

Models "Easy Rider" PLZ



Range: 3,500 - 4,500 Lbs.

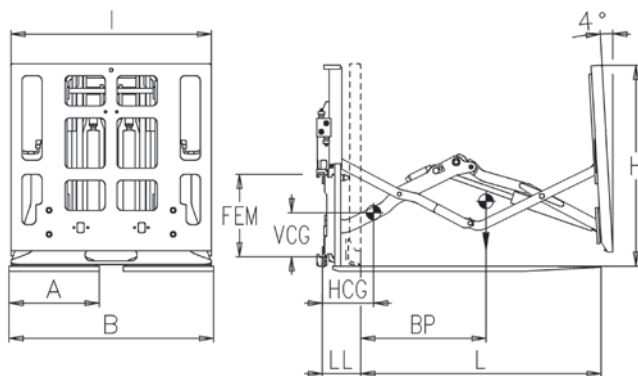
Features:

- Possibility to convert a conventional fork lift truck into a specially equipped machine to handle loads on slip sheets.
- Converting time: one minute.
- The driver enters the forks under the platens, tilts the mast forward, lifts the carriage up, engages the upper hooks, locks the lower mounting hooks in place and connects the quick change hydraulic couplings.
- Different from the push/pull model, because it is without the gripper jaw. The platens have to be directly slipped under the load.
- Maximum visibility.
- High tensile steel platens.
- Quick and easily mounts over truck forks.
- Proven, dependable push linkage – tilting push plate standard.

Model	Capacity Lbs.	Load Center	Platen Size	Stroke	Platen Out-to-Out	Push Plate	Thickness	Minimum Carriage Width	Horizontal Center of Gravity	Vertical Center of Gravity	Weight Lbs.	Mounting Class
	Q	BP	A x L	S	B	I x H	LL	FL	HCG	VCG	W	
PLZE035S1548-34W	3,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	7.7"	33.7"	9.3"	11.8"	684	II
PLZE035S1548-40W	3,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	7.7"	33.7"	9.3"	11.8"	684	II
PLZE045S1548-34W	4,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	7.7"	33.7"	9.4"	12.0"	706	II
PLZE045S1548-40W	4,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	7.7"	33.7"	9.4"	12.0"	706	II
PLZE045S1548-34WB	4,500	24"	15" x 48"	49.3"	33.9"	39.4" x 39.8"	8.9"	36.0"	9.8"	12.4"	763	III
PLZE045S1548-40WB	4,500	24"	15" x 48"	49.3"	39.1"	39.4" x 39.8"	8.9"	36.0"	9.8"	12.4"	763	III

Notes:

- One hydraulic function.
- Pressure relief valve.
- Adjustable bolt-on platens, to fit two different overall widths.
- Important: Easy Rider must be hooked on the carriage and supported by forks of suitable capacity.
- Extra 3" fork length needed for use.



Range: 3,500 - 4,500 Lbs.

Features:

- Ideal for applications where pull function is not needed.
- Tilting push plate and quick-change hooks included.
- Strong, lightweight steel standard.

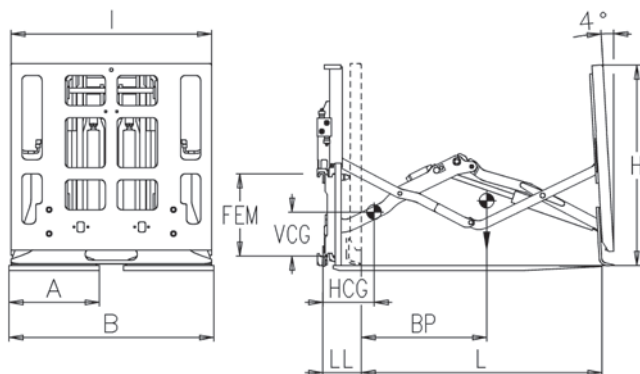
Model	Capacity Lbs.	Load Center	Platen Size	Stroke	Platen Out-to-Out	Push Plate	Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Weight Lbs.	Mounting Class
	Q	BP	A x L	S	B	I x H	LL	HCG	VCG	W	
Non-Sideshifting with Adjustable Platens, 1 Function											
PLNH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.6"	8.1"	1,044	II
PLNH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.7"	8.2"	1,055	II
PLNH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.6"	9.8"	1,196	III
Sideshifting with Adjustable Platens, 2 Functions											
PLSH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.5"	8.1"	1,055	II
PLSH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.6"	8.2"	1,064	II
PLSH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.5"	9.8"	1,207	III

Notes:

- Hydraulic functions according to charts indication.
- Minimum carriage width 34" all models.
- 18" x 48" platens are available at no extra charge.

Options:

- Sequence valve



Range: 3,500 - 4,500 Lbs.

Features:

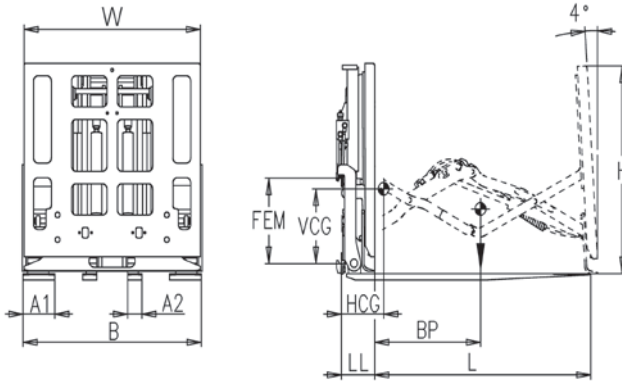
- Proven, dependable, rugged push linkage.
- Tilting push plate and quick-change hooks included.
- Strong, lightweight steel standard.
- Pushing plate and gripper jaw with larger window to improve visibility.
- Advantageous weight and lost load to maximize lift truck residual capacity.

Model	Capacity Lbs.	Load Center	Platen Size	Stroke	Platen Out-to-Out	Push Plate	Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Weight Lbs.	Mounting Class
	Q	BP	A x L	S	B	I x H	LL	HCG	VCG	W	
Non-Sideshifting with Adjustable Platens, 1 Function											
PANH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.5"	8.3"	1,144	II
PANH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.6"	8.5"	1,148	II
PANH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.5"	10.1"	1,296	III
Sideshifting with Adjustable Platens, 2 Functions											
PASH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.5"	8.2"	1,148	II
PASH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.6"	8.4"	1,152	II
PASH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.5"	10.0"	1,300	III
Non-Sideshifting with Hydraulically Adjustable Platens, 2 Functions (includes single solenoid valve) ①											
PHNH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.3"	8.3"	1,172	II
PHNH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.7"	8.5"	1,177	II
PHNH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.6"	10.1"	1,325	III
Sideshifting with Hydraulically Adjustable Platens, 3 Functions (includes single solenoid valve) ①											
PHSH035A1548	3,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.3"	8.2"	1,179	II
PHSH045A1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	7.5"	11.7"	8.4"	1,183	II
PHSH045B1548	4,500	24"	15" x 48"	49.3"	34"-42"	39.4" x 39.8"	9.4"	12.3"	10.0"	1,331	III

① Please specify voltage when ordering.

Notes:

- Hydraulic functions according to charts indication.
- Minimum carriage width 34" all models.
- 18" x 48" platens are available at no extra charge.



Range: 3,500 - 4,500 Lbs.

Features:

- Proven, dependable, rugged linkage.
- Tilting push plate standard.
- Replaceable, wearstrips on platens for tip adjustment.
- Provide 4-way handling of CHEP 55™ pallets.
- Quick disconnect lower hooks.
- Hydraulically adjustable outer platens.

Model	Capacity Lbs.	Load Center	Platen Size	Stroke	Platen Out-to-Out	Push Plate	Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Weight Lbs.	Mounting Class
	Q	BP	A1/A2 x L	S	B	W x H	LL	HCG	VCG	Lbs.	
Non-Sideshifting with Hydraulically Adjustable Outer Platens, 2 Functions											
PHNG035A0748	3,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	8.3"	9.5"	14.2"	1,133	II
PHNG045A0748	4,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	8.3"	9.6"	14.4"	1,137	II
PHNG045B0748	4,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	10.6"	10.2"	14.4"	1,375	III
Sideshifting with Hydraulically Adjustable Outer Platens, 3 Functions											
PHSG035A0748	3,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	8.3"	9.4"	14.2"	1,137	II
PHSG045A0748	4,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	8.3"	9.6"	14.4"	1,141	II
PHSG045B0748	4,500	24"	7.1" / 3.1" x 48" usable	49.3"	28" - 40"	39.4" x 39.8"	10.6"	10.2"	14.4"	1,375	III

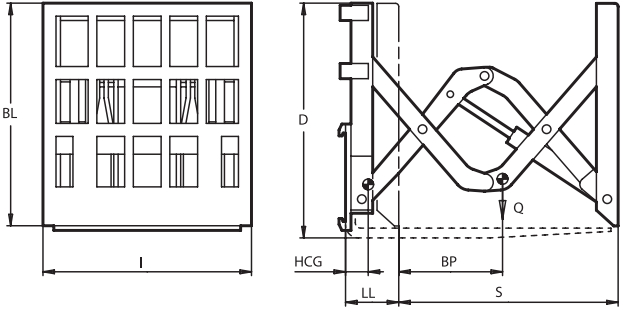
Notes:

- Solenoid valve is installed on all models. Hose reel/ cable reel and switch are required for installation/ connection.

Options:

- Sequence valve model available on request (no need of solenoid valve).

Models LX



Range: 1,800 - 4,900 Lbs.

Features:

- Available with forks or with platens.
- Vertical pantograph and push platens.
- Excellent visibility.
- Minimized effective thickness.

Model	Capacity Lbs.	Load Center	Stroke	Push Plate Width	Push Plate Height	Height	Max. Fork Thickness	Weight Lbs.	Minimum Carriage Width	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Class
	<i>Q</i>	<i>BP</i>	<i>S</i>	<i>I</i>	<i>BL</i>	<i>D</i>	<i>MFT</i>	<i>Lbs.</i>	<i>FL</i>	<i>HCG</i>	<i>VCG</i>	<i>LL</i>	
LX10FXA	1,800	24"	42.1"	39.4"	37.8"	41.7"	1.6"	660	40.2"	4.1"	15"	8.7"	II
LX16FXA	2,900	24"	50.0"	49.2"	41.3"	41.7"	2.0"	880	40.2"	4.4"	15"	9.0"	II
LX27FXB	4,900	24"	50.0"	49.2"	40.9"	41.7"	2.4"	925	46.9"	4.3"	17"	9.6"	III

Notes:

- One hydraulic function.
- Separate sideshift.
- Without forks: standard forks can be fitted without modification.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Recommended Hydraulic Supply

Model	Oil Flow Rate		Pressure
	Minimum GPM	Maximum GPM	
Push Pulls - Load Push - Fork Mounted - Easy Rider - All	4	10	2,300
Push Pulls - Load Push - Dedicated - All	7	8	2,000
Sheet Retaining Push Pulls - Dedicated - All	5	7	2,000
Mark 55™ Push Pulls	5	7	2,000
Load Push - LX 10	3	7	2,500
Load Push - LX 16-27	5	12	2,500

Notes:

- Hydraulic flow less than minimum may reduce operating speed and/or cause irregular movement.
- Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Options

Push Plate Modifications

Model

Height from 41" to 48" (bolt-on extension)
Other sizes available

Low Profile Switch

Model

KIT-83123005

Platen Sizes other than shown

Model

Usable length, up to 48"
Individual platen width up to 18"
(except for fork mounted models)
Individual platen width greater than 18"
Wide Platens 18" dedicated
Fork mounted wide Platens 18"

Hydraulic Options

Sequence Valve

Model

Mark 55

Quick Disconnect Groups

Model

Quick disconnect lower hooks
Quick disconnect hydraulic couplers QD-0606-1HF
Any additional function

Cable Reel

Model

401917-CR

NOTES

[illegible]



Paper Roll Clamps, 360-degree Rotation

Models AMR-F	9-1
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Paper Roll Clamps, 180-degree Rotation

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Models ARC-74	9-11
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Jumbo Paper Roll Clamps, 180-degree Rotation

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Tissue-roll Clamps, 180-degree Rotation

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Tilting Paper Roll Clamps

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Tilting and 180-degree Rotating Paper Roll Clamps

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Non-Rotating Paper Roll Clamps

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Models A-NJJ-3.....	9-29

Multiple Paper Roll Clamps

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Tine Clamps

Models B-TA / BA-TA	9-35
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Paper Roll/Pulp Bale Clamps

Models B-M / BA-M	9-36
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Advanced Intelligent Technology

Intelligent Paper Roll Clamps Series CTX G3	9-37
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Special Clamps

for Paper Handling	9-38
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Paper Roll Handling

Paper Roll Damage Reduction Equipment	9-39
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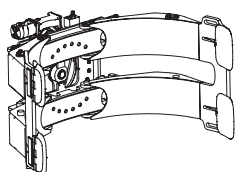
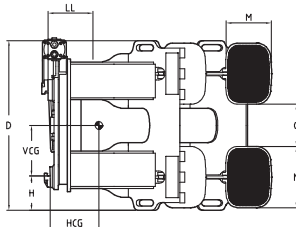
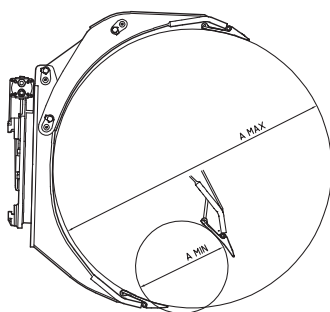
Technical Information.....

Accessories and Options.....

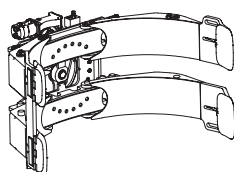
Accessories and Options, Contact Pads.....



AMR-F



Unsplit long arm



Split long arm

Range: 3,500 - 4,500 Lbs.

Features:

- 360-degree rotating paper roll clamp for vertical and horizontal handling of 1-2 paper rolls.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split long arm for 1-2 roll handling.
- Models AMR-F: Fixed short arm integrated in the clamp body.
- A well-proven and fast 360-degree rotator increases handling efficiency.
- Simple and robust design makes the series AMR paper roll clamps easy to service.
- Several contact pad and mounting options available on request.
- Mounting angle 1,5 degrees.

Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm - Fixed short arm - Fixed Frame													
AMR-40-1853-F-II	4,000	26.5"	18"-53"	32.7"	1,170	11.4"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1853-F-III	4,000	26.5"	18"-53"	32.7"	1,220	12.0"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1853-F-II	4,500	26.5"	18"-53"	32.7"	1,180	11.4"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-1853-F-III	4,500	26.5"	18"-53"	32.7"	1,230	12.0"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
1 - 2 roll clamps - Split long arm - Fixed short arm - Fixed Frame													
AMR-40-1853-FS-II	4,000	26.5"	18"-53"	32.7"	1,160	11.4"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1853-FS-III	4,000	26.5"	18"-53"	32.7"	1,210	12.0"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1853-FS-II	4,500	26.5"	18"-53"	32.7"	1,170	11.4"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-1853-FS-III	4,500	26.5"	18"-53"	32.7"	1,220	12.0"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III

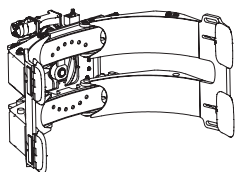
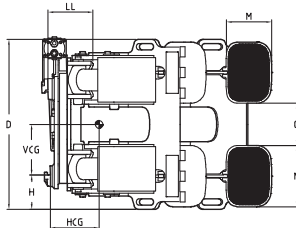
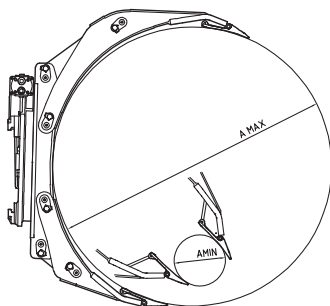
Notes:

- Two hydraulic functions.
- See page 9-43 for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- For 0-degree tilt special arms are available. Consult Bolzoni Auramo.
- Lower capacity models available in Silver Line range, chapter 11.

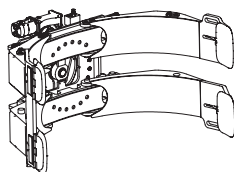
Options:

- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - other contact pad friction surfaces
 - full length contact pads.

AMR-P



Unsplit long arm



Split long arm

Range: 3,500 - 6,100 Lbs.

Features:

- 360-degree rotating paper roll clamp for vertical and horizontal handling of 1-2 paper rolls.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split long arm for 1-2 roll handling.
- Models AMR-P: Hydraulically positionable short arm with wider roll diameter range. Hydraulic short arm positioning mechanism is activated at 45-degree clamp rotation angle. Optional fixed short arm versions available.
- A well-proven and fast 360-degree rotator increases handling efficiency.
- Simple and robust design makes the series AMR paper roll clamps easy to service.
- Several contact pad and mounting options available on request.
- Mounting angle 1,5 degrees.

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Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm - Positioned or fixed short arm													
AMR-40-1053-P-II	4,000	26.5"	10"-53"	32.7"	1,310	11.8"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1053-P-III	4,000	26.5"	10"-53"	32.7"	1,370	12.4"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-40-1060-P-II	3,500	30.0"	10"-60"	32.7"	1,380	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-2060-F-II	3,500	30.0"	20"-60"	32.7"	1,370	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1060-P-III	3,500	30.0"	10"-60"	32.7"	1,430	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-40-2060-F-III	3,500	30.0"	20"-60"	32.7"	1,420	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1053-P-II	4,500	26.5"	10"-53"	32.7"	1,320	11.8"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-1053-P-III	4,500	26.5"	10"-53"	32.7"	1,380	12.4"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1060-P-II	4,000	30.0"	10"-60"	32.7"	1,390	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-2060-P-III	4,000	30.0"	20"-60"	32.7"	1,380	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	III
AMR-45-1060-P-III	4,000	30.0"	10"-60"	32.7"	1,440	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-2060-F-III	4,000	30.0"	20"-60"	32.7"	1,430	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-60-1053-P-III	6,100	26.5"	10"-53"	40.2"	1,690	12.4"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-60-1060-P-III	5,200	30.0"	10"-60"	40.2"	1,730	13.2"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-60-1063-P-III	5,000	31.5"	10"-63"	40.2"	1,750	13.6"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1053-P-III	7,000	26.5"	10"-53"	40.2"	1,720	12.4"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1060-P-III	6,600	30.0"	10"-60"	40.2"	1,760	13.2"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1063-P-III	6,100	31.5"	10"-63"	40.2"	1,780	13.6"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III

Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
1 - 2 roll clamps - Split long arm - Positioned or fixed short arm													
AMR-40-1053-PS-II	4,000	26.5"	10"-53"	32.7"	1,300	11.8"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1053-PS-III	4,000	26.5"	10"-53"	32.7"	1,350	12.4"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-40-1060-PS-II	3,500	30.0"	10"-60"	32.7"	1,370	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-2060-FS-II	3,500	30.0"	20"-60"	32.7"	1,350	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-40-1060-PS-III	3,500	30.0"	10"-60"	32.7"	1,420	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-40-2060-FS-III	3,500	30.0"	20"-60"	32.7"	1,410	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1053-PS-II	4,500	26.5"	10"-53"	32.7"	1,310	11.8"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-1053-PS-III	4,500	26.5"	10"-53"	32.7"	1,370	12.4"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-1060-PS-II	4,000	30.0"	10"-60"	32.7"	1,380	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-2060-FS-II	4,000	30.0"	20"-60"	32.7"	1,370	13.0"	10.4"	7.0"	29.5"	8.7"x11.8"	7.9	6.5"	II
AMR-45-1060-PS-III	4,000	30.0"	10"-60"	32.7"	1,430	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-45-2060-FS-III	4,000	30.0"	20"-60"	32.7"	1,420	13.6"	12.0"	8.2"	29.5"	8.7"x11.8"	7.9	4.8"	III
AMR-60-1053-PS-III	6,100	26.5"	10"-53"	40.2"	1,650	12.0"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-60-1060-PS-III	5,200	30.0"	10"-60"	40.2"	1,700	12.8"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-60-1063-PS-III	5,000	31.5"	10"-63"	40.2"	1,720	13.2"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1053-PS-III	7,000	26.5"	10"-53"	40.2"	1,690	12.0"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1060-PS-III	6,600	30.0"	10"-60"	40.2"	1,730	12.8"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III
AMR-66-1063-PS-III	6,100	31.5"	10"-63"	40.2"	1,750	13.2"	13.4"	7.7"	36.6"	9.4"x15.7"	7.9	7.6"	III

Notes:

- Two hydraulic functions.
- See page 9-43 for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- For 0-degree tilt special arms are available. Consult Bolzoni Auramo.

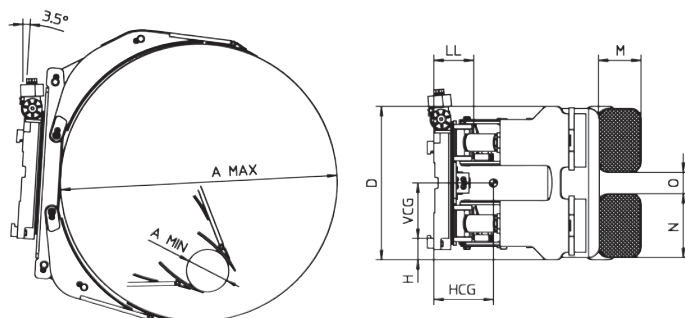
Options:

- Special roll ranges, for Models AMR-P(J) only.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - other contact pad friction surfaces
 - full length contact pads.

Range: 4,000 - 6,200 Lbs.

Features:

- 360-degree rotating paper roll clamp for safe and effective vertical and horizontal paper roll handling.
- Pivoting long arm movement with hydraulically positionable short arm.
- Slim arm design with optimal visibility in clamp.
- Models AMC-P: Non split long arm for single roll handling.
- Models AMC-PS: Split arm for 1-2 roll handling.
- Several contact pad options in standard series.
- Built in pressure relief valves for setting of optimal clamping force.



Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
AMC-48-1051-P	4,800	25.5"	10"-51"	32.3"	1,570	10.8"	16.6"	7.9"	39.4"	8.7" x 11.8"	-	5.9"	II/III
AMC-48-1060-P	4,000	30.0"	10"-60"	32.3"	1,640	11.9"	16.6"	7.9"	39.4"	8.7" x 11.8"	-	5.9"	II/III
AMC-48-1063-P	4,000	31.5"	10"-63"	32.3"	1,700	12.2"	16.6"	7.9"	39.4"	8.7" x 11.8"	-	5.9"	II/III
1 - 2 roll clamps - Split long arm													
AMC-48-1051-PS	4,800	25.5"	10"-51"	32.3"	1,550	10.5"	16.6"	7.9"	39.4"	8.7" x 11.8"	7.9"	5.9"	II/III
AMC-48-1060-PS	4,000	29.9"	10"-60"	32.3"	1,610	11.6"	16.6"	7.9"	39.4"	8.7" x 11.8"	7.9"	5.9"	II/III
AMC-48-1063-PS	4,000	31.5"	10"-63"	32.3"	1,680	11.9"	16.6"	7.9"	39.4"	8.7" x 11.8"	7.9"	5.9"	II/III
Single roll clamps - Unsplit long arm													
AMC-55-1051-P	5,500	25.5"	10"-51"	40.2"	1,680	10.9"	20.6"	7.9"	39.4"	9.4"x15.7"	-	8.7"	II/III
AMC-55-1060-P	4,600	29.9"	10"-60"	40.2"	1,810	12.0"	20.6"	7.9"	39.4"	9.4"x15.7"	-	8.7"	II/III
AMC-55-1063-P	4,500	31.5"	10"-63"	40.2"	1,830	12.4"	20.6"	7.9"	39.4"	9.4"x15.7"	-	8.7"	II/III
1 - 2 roll clamps - Split long arm													
AMC-55-1051-PS	5,500	25.5"	10"-51"	40.2"	1,660	10.6"	20.6"	7.9"	39.4"	9.4"x15.7"	7.9"	8.7"	II/III
AMC-55-1060-PS	4,600	29.9"	10"-60"	40.2"	1,790	11.6"	20.6"	7.9"	39.4"	9.4"x15.7"	7.9"	8.7"	II/III
AMC-55-1063-PS	4,500	31.5"	10"-63"	40.2"	1,810	12.0"	20.6"	7.9"	39.4"	9.4"x15.7"	7.9"	8.7"	II/III
Single roll clamps - Unsplit long arm													
AMC-60-1051-P	6,200	25.5"	10"-51"	40.2"	1,770	11.4"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-60-1060-P	5,200	29.9"	10"-60"	40.2"	1,900	12.4"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-60-1063-P	5,100	31.5"	10"-63"	40.2"	1,920	12.8"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-60-1072-P	4,200	36.0"	10"-72"	40.2"	2,000	14.2"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
1 - 2 roll clamps - Split long arm													
AMC-60-1051-PS	6,200	25.5"	10"-51"	40.2"	1,750	11.0"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-60-1060-PS	5,200	29.9"	10"-60"	40.2"	1,880	12.0"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-60-1063-PS	5,100	31.5"	10"-63"	40.2"	1,900	12.4"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-60-1072-PS	4,200	36.0"	10"-72"	40.2"	1,980	13.8"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III

Notes:

- Two hydraulic functions.
- All models with hydraulically positionable short arm.
- Short arm: adjustable at 45° rotation.
- Adjustable pressure relief valve.
- See page 9-43 for hydraulic pressure and flow rate recommendations.
- Standard contact pads: metal grain pattern with high-friction surface.
- Minimum 3.5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt special arms are available. Consult Bolzoni Auramo.

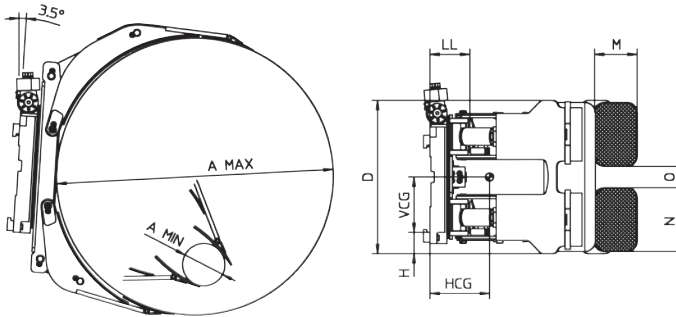
Options:

- Special roll ranges.
- Fixed, non-moving, short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - other contact pad friction surfaces
 - full length contact pads.

Range: 5,100 - 13,200 Lbs.

Features:

- 360-degree rotating paper roll clamp for safe and effective vertical and horizontal paper roll handling.
- Pivoting long arm movement with hydraulically positionable short arm.
- Slim arm design with optimal visibility in clamp.
- Models AMC-P: Non split long arm for single roll handling.
- Models AMC-PS: Split arm for 1-2 roll handling.
- Several contact pad options in standard series.
- Built in pressure relief valves for setting of optimal clamping force.



Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
AMC-66-1051-P	7,100	25.5"	10"-51"	40.2"	1,830	11.6"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-66-1060-P	6,600	29.9"	10"-60"	40.2"	1,900	12.5"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-66-1063-P	6,200	31.5"	10"-63"	40.2"	1,910	12.8"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
AMC-66-1072-P	5,100	36.0"	10"-72"	40.2"	2,000	14.2"	20.6"	8.1"	39.4"	9.4" x 15.7"	-	8.7"	III
1 - 2 roll clamps - Split long arm													
AMC-66-1051-PS	7,100	25.5"	10"-51"	40.2"	1,810	11.2"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-66-1060-PS	6,600	29.9"	10"-60"	40.2"	1,880	12.1"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-66-1063-PS	6,200	31.5"	10"-63"	40.2"	1,890	12.4"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
AMC-66-1072-PS	5,100	36.0"	10"-72"	40.2"	1,980	13.8"	20.6"	8.1"	39.4"	9.4" x 15.7"	7.9"	8.7"	III
Single roll clamps - Unsplit long arm													
AMC-74-1051-P	7,700	25.5"	10"-51"	40.2"	2,000	11.0"	20.6"	8.5"	45.3"	9.4" x 15.7"	-	7.5"	III/IV
AMC-74-1060-P	7,400	29.9"	10"-60"	40.2"	2,090	12.0"	20.6"	8.5"	45.3"	9.4" x 15.7"	-	7.5"	III/IV
AMC-74-1063-P	7,100	31.5"	10"-63"	40.2"	2,110	12.4"	20.6"	8.5"	45.3"	9.4" x 15.7"	-	7.5"	III/IV
AMC-74-1072-P	6,200	36.0"	10"-72"	40.2"	2,240	13.8"	20.6"	8.5"	45.3"	9.4" x 15.7"	-	7.5"	III/IV
1 - 2 roll clamps - Split long arm													
AMC-74-1051-PS	7,700	25.5"	10"-51"	40.2"	1,970	10.7"	20.6"	8.5"	45.3"	9.4" x 15.7"	7.9"	7.5"	III/IV
AMC-74-1060-PS	7,400	29.9"	10"-60"	40.2"	2,050	11.7"	20.6"	8.5"	45.3"	9.4" x 15.7"	7.9"	7.5"	III/IV
AMC-74-1063-PS	7,100	31.5"	10"-63"	40.2"	2,080	12.1"	20.6"	8.5"	45.3"	9.4" x 15.7"	7.9"	7.5"	III/IV
AMC-74-1072-PS	6,200	36.0"	10"-72"	40.2"	2,210	13.5"	20.6"	8.5"	45.3"	9.4" x 15.7"	7.9"	7.5"	III/IV
Single roll clamps - Unsplit long arm													
AMC-84-1051-P	9,200	25.5"	10"-51"	40.2"	2,310	11.9"	20.6"	8.9"	45.3"	11.0" x 15.7"	-	7.5"	IV
AMC-84-1060-P	8,400	29.9"	10"-60"	40.2"	2,430	12.6"	20.6"	8.9"	45.3"	11.0" x 15.7"	-	7.5"	IV
AMC-84-1063-P	7,700	31.5"	10"-63"	40.2"	2,460	13.0"	20.6"	8.9"	45.3"	11.0" x 15.7"	-	7.5"	IV
AMC-84-1072-P	7,200	36.0"	10"-72"	40.2"	2,560	13.9"	20.6"	8.9"	45.3"	11.0" x 15.7"	-	7.5"	IV
1 - 2 roll clamps - Split long arm													
AMC-84-1051-PS	9,200	25.5"	10"-51"	40.2"	2,280	11.7"	20.6"	8.9"	45.3"	11.0" x 15.7"	7.9"	7.5"	IV
AMC-84-1060-PS	8,400	29.9"	10"-60"	40.2"	2,390	12.4"	20.6"	8.9"	45.3"	11.0" x 15.7"	7.9"	7.5"	IV
AMC-84-1063-PS	7,700	31.5"	10"-63"	40.2"	2,430	12.8"	20.6"	8.9"	45.3"	11.0" x 15.7"	7.9"	7.5"	IV
AMC-84-1072-PS	7,200	36.0"	10"-72"	40.2"	2,524	13.6"	20.6"	8.9"	45.3"	11.0" x 15.7"	7.9"	7.5"	IV

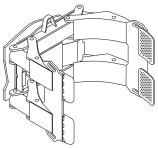
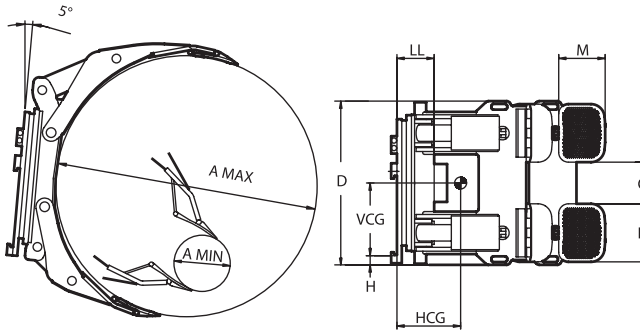
Model	Capacity Lbs. <i>Q</i>	Load Center <i>BP</i>	Roll Range <i>A</i>	Height <i>D</i>	Weight Lbs. <i>W</i>	Horizontal Center of Gravity <i>HCG</i>	Vertical Center of Gravity <i>VCG</i>	Effective Thickness <i>LL</i>	Minimum Carriage Width <i>FL</i>	Contact Pads <i>M x N</i>	Contact Pad Gap <i>O</i>	Mounting Height <i>H</i>	Mounting Class
Single roll clamps - Unsplit long arm													
AMC-90-1051-P	10,300	25.5"	10"-51"	40.2"	2,620	15.0"	24.5"	9.4"	41.3"	11.0" x 15.7"	-	6.6"	IV
AMC-90-1060-P	9,000	29.9"	10"-60"	40.2"	2,690	15.9"	24.5"	9.4"	41.3"	11.0" x 15.7"	-	6.6"	IV
AMC-90-1063-P	9,000	31.5"	10"-63"	40.2"	2,710	16.3"	24.5"	9.4"	41.3"	11.0" x 15.7"	-	6.6"	IV
AMC-90-1072-P	7,700	36.0"	10"-72"	40.2"	2,850	17.3"	24.5"	9.4"	41.3"	11.0" x 15.7"	-	6.6"	IV
1 - 2 roll clamps - Split long arm													
AMC-90-1051-PS	10,300	25.5"	10"-51"	40.2"	2,600	14.9"	24.5"	9.4"	41.3"	11.0" x 15.7"	7.9"	6.6"	IV
AMC-90-1060-PS	9,000	29.9"	10"-60"	40.2"	2,670	15.8"	24.5"	9.4"	41.3"	11.0" x 15.7"	7.9"	6.6"	IV
AMC-90-1063-PS	9,000	31.5"	10"-63"	40.2"	2,690	16.2"	24.5"	9.4"	41.3"	11.0" x 15.7"	7.9"	6.6"	IV
AMC-90-1072-PS	7,700	36.0"	10"-72"	40.2"	2,830	17.2"	24.5"	9.4"	41.3"	11.0" x 15.7"	7.9"	6.6"	IV
Single roll clamps - Unsplit long arm													
AMC-120-1851-P	13,200	25.6"	18"-51"	48.0"	3,060	12.4"	24.5"	9.9"	41.3"	11.0" x 19.7"	-	10.6"	IV
AMC-120-2060-P	12,000	29.9"	20"-60"	48.0"	3,230	13.4"	24.5"	9.9"	41.3"	11.0" x 19.7"	-	10.6"	IV
AMC-120-2472-P	10,300	36.0"	24"-72"	48.0"	3,380	15.0"	24.5"	9.9"	41.3"	11.0" x 19.7"	-	10.6"	IV
1 - 2 roll clamps - Split long arm													
AMC-120-1851-PS	13,200	25.6"	18"-51"	48.0"	3,010	12.2"	24.5"	9.9"	41.3"	11.0" x 19.7"	7.9"	10.6"	IV
AMC-120-2060-PS	12,000	29.9"	20"-60"	48.0"	3,190	13.2"	24.5"	9.9"	41.3"	11.0" x 19.7"	7.9"	10.6"	IV
AMC-120-2472-PS	10,300	36.0"	24"-72"	48.0"	3,330	14.8"	24.5"	9.9"	41.3"	11.0" x 19.7"	7.9"	10.6"	IV

Notes:

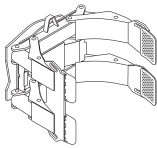
- Two hydraulic functions.
- All models with hydraulically positionable short arm.
- Short arm: adjustable at 45° rotation.
- Adjustable pressure relief valve.
- See page 9-43 for hydraulic pressure and flow rate recommendations.
- Standard contact pads: metal grain pattern with high-friction surface.
- Minimum 3.5-degree forward tilt on lift mast is required for horizontal handling. For 0-degree tilt special arms are available. Consult Bolzoni Auramo.

Options:

- Special roll ranges.
- Fixed, non-moving, short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - other contact pad friction surfaces
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 3,800 - 5,200 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

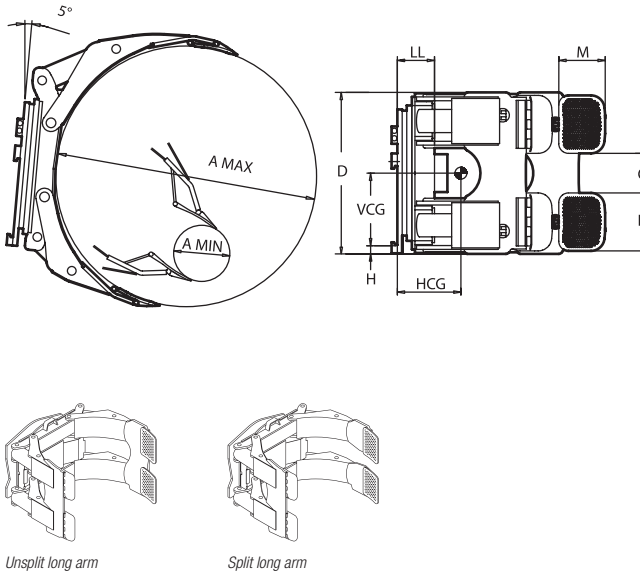
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-48-1047-P	5,200	23.5"	10°-47"	32.7"	1,378	9.8"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1051-P	4,800	25.5"	10°-51"	32.7"	1,400	10.5"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1055-P	4,400	27.5"	10°-55"	32.7"	1,420	11.3"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1060-P	4,200	29.5"	10°-60"	32.7"	1,440	12.1"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1063-P	3,800	31.5"	10°-63"	32.7"	1,466	12.9"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
1 - 2 roll clamps - Split long arm													
ARC-48-1047-PS	5,200	23.5"	10°-47"	32.7"	1,356	9.0"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1051-PS	4,800	25.5"	10°-51"	32.7"	1,378	9.7"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1055-PS	4,400	27.5"	10°-55"	32.7"	1,400	10.5"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1060-PS	4,200	29.5"	10°-60"	32.7"	1,422	11.3"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III
ARC-48-1063-PS	3,800	31.5"	10°-63"	32.7"	1,440	12.1"	14.2"	7.1"	32.3"	8.7"x11.8"	7.9"	2.4"	I/III

Notes:

- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Range: 3,700 - 5,500 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

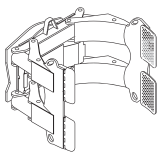
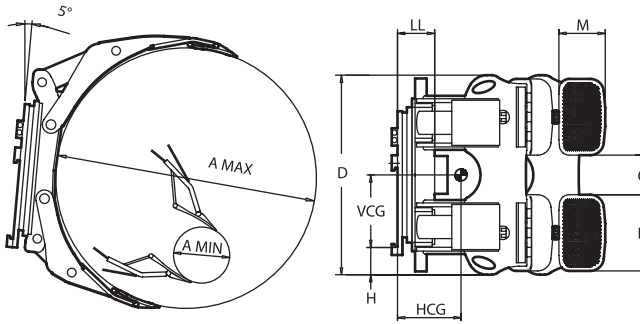
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-55-1051-P	5,500	25.5"	10°-51"	32.7"	1,600	9.1"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1055-P	4,800	27.5"	10°-55"	32.7"	1,640	10.1"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1060-P	4,600	29.9"	10°-60"	32.7"	1,690	11.3"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1063-P	4,400	31.5"	10°-63"	32.7"	1,710	11.8"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1672-P	3,700	36.0"	16°-72"	32.7"	1,820	14.1"	14.2"	7.9"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
1 - 2 roll clamps - Split long arm													
ARC-55-1051-PS	5,500	25.5"	10°-51"	32.7"	1,570	8.9"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1055-PS	4,800	27.5"	10°-55"	32.7"	1,620	9.8"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1060-PS	4,600	29.9"	10°-60"	32.7"	1,670	11.0"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1063-PS	4,400	31.5"	10°-63"	32.7"	1,690	11.5"	14.2"	7.5"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III
ARC-55-1672-PS	3,700	36.0"	16°-72"	32.7"	1,800	13.8"	14.2"	7.9"	32.3"	8.7"x11.8"	7.9"	2.4"	II/III

Notes:

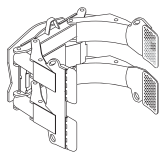
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Arm height D= 40.7"
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 6,600 - 4,700 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

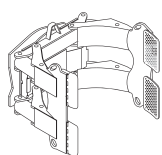
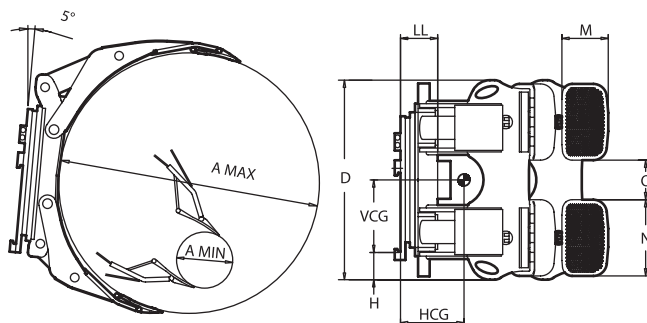
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-60-1051-P	6,600	25.5"	10°-51"	40.7"	1,670	10.0"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1055-P	6,200	27.5"	10°-55"	40.7"	1,720	10.8"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1160-P	5,900	30.0"	11°-60"	40.7"	1,770	11.6"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1163-P	5,500	31.5"	11°-63"	40.7"	1,800	12.0"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1672-P	4,700	36.0"	16°-72"	40.7"	1,890	13.8"	14.2"	7.9"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
1 - 2 roll clamps - Split long arm													
ARC-60-1051-PS	6,600	25.5"	10°-51"	40.7"	1,650	9.9"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1055-PS	6,200	27.5"	10°-55"	40.7"	1,710	10.4"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1160-PS	5,900	30.0"	11°-60"	40.7"	1,750	11.0"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1163-PS	5,500	31.5"	11°-63"	40.7"	1,770	11.3"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-60-1672-PS	4,700	36.0"	16°-72"	40.7"	1,870	12.7"	14.2"	7.9"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III

Notes:

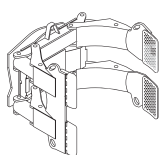
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Arm height D= 32.7"
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 5,500 - 7,700 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

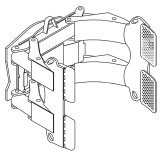
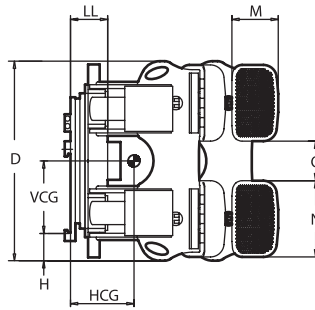
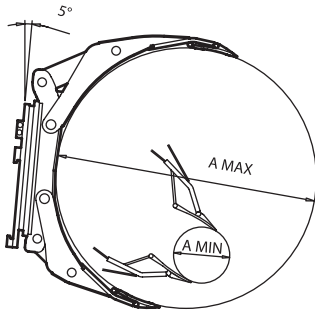
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-66-1051-P	7,700	25.5"	10"-51"	40.7"	1,775	10.4"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1055-P	7,100	27.5"	10"-55"	40.7"	1,819	11.4"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1160-P	6,600	30.0"	11"-60"	40.7"	1,874	12.6"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1163-P	6,100	31.5"	11"-63"	40.7"	1,896	13.1"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1672-P	5,500	36.0"	16"-72"	40.7"	1,995	15.3"	14.2"	7.9"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
1 - 2 roll clamps - Split long arm													
ARC-66-1051-PS	7,700	25.5"	10"-51"	40.7"	1,753	10.2"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1055-PS	7,100	27.5"	10"-55"	40.7"	1,808	11.1"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1160-PS	6,600	30.0"	11"-60"	40.7"	1,852	12.3"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1163-PS	6,100	31.5"	11"-63"	40.7"	1,874	12.8"	14.2"	7.5"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III
ARC-66-1672-PS	5,500	36.0"	16"-72"	40.7"	1,973	15.0"	14.2"	7.9"	32.3"	9.4"x15.7"	7.9"	6.3"	I/III

Notes:

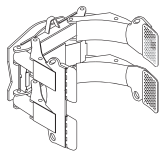
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Arm height D= 32.7"
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 6,200 - 8,700 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-74-1051-P	8,700	25.5"	10"-51"	44.7"	2,205	10.9"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1055-P	8,000	27.5"	10"-55"	44.7"	2,227	11.7"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1060-P	7,400	30.0"	10"-60"	44.7"	2,249	12.6"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1063-P	7,000	31.5"	10"-63"	44.7"	2,271	13.2"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1472-P	6,200	36.0"	14"-72"	44.7"	2,280	14.0"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
1 - 2 roll clamps - Split long arm													
ARC-74-1051-PS	8,700	25.5"	10"-51"	44.7"	2,172	10.7"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1055-PS	8,000	27.5"	10"-55"	44.7"	2,194	11.5"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1060-PS	7,400	30.0"	10"-60"	44.7"	2,216	12.4"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1063-PS	7,000	31.5"	10"-63"	44.7"	2,238	13.0"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV
ARC-74-1472-PS	6,200	36.0"	14"-72"	44.7"	2,240	14.0"	17.1"	7.5"	38.6"	11.0"x15.7"	11.8"	5.1"	III/IV

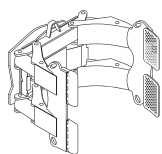
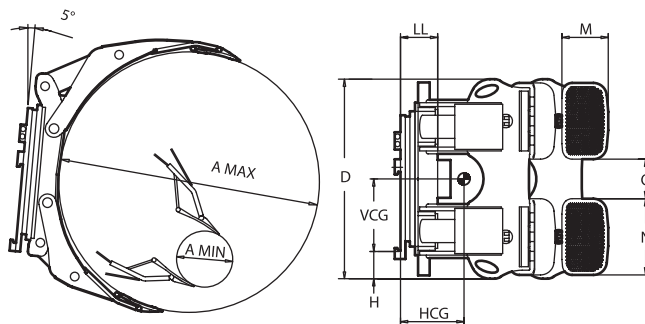
Notes:

- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

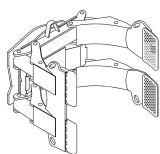
Options:

- Special roll ranges.
- Arm height D= 48.6"
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.

Models ARC-84



Unsplit long arm



Split long arm

Range: 7,000 - 9,800 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

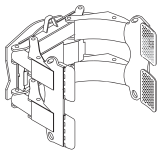
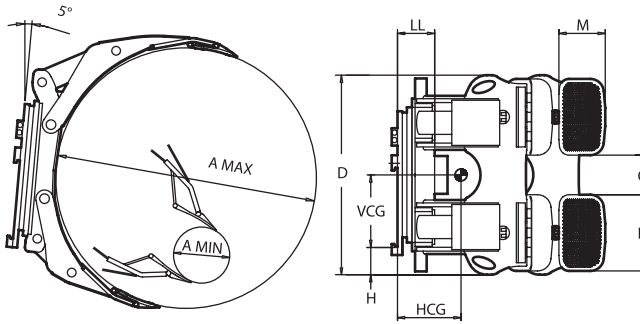
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-84-1051-P	9,800	25.5"	10°-51"	40.9"	2,400	11.0"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1055-P	9,100	27.5"	10°-55"	40.9"	2,440	11.4"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1060-P	8,400	30.0"	10°-60"	40.9"	2,490	12.2"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1063-P	8,000	31.5"	10°-63"	40.9"	2,530	12.6"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1472-P	7,000	36.0"	14°-72"	40.9"	2,620	13.8"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
1 - 2 roll clamps - Split long arm													
ARC-84-1051-PS	9,800	25.5"	10°-51"	40.9"	2,370	10.6"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1055-PS	9,100	27.5"	10°-55"	40.9"	2,410	11.0"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1060-PS	8,400	30.0"	10°-60"	40.9"	2,460	11.8"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1063-PS	8,000	31.5"	10°-63"	40.9"	2,500	12.2"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV
ARC-84-1472-PS	7,000	36.0"	14°-72"	40.9"	2,590	13.4"	15.9"	8.3"	38.6"	11.0"x15.7"	7.9"	4.1"	III / IV

Notes:

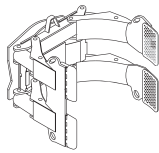
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Arm height D= 48.6"
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 8,400 - 10,100 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

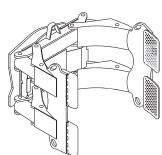
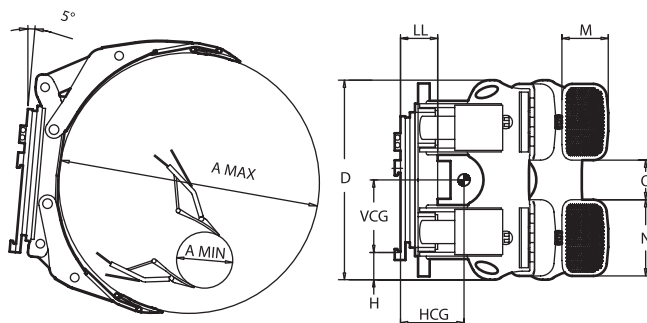
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-90-1051-P	10,100	25.5"	10°-51°	40.9"	2,530	11.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1055-P	9,500	27.5"	10°-55°	40.9"	2,560	11.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1060-P	9,200	30.0"	10°-60°	40.9"	2,600	12.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1063-P	8,800	31.5"	10°-63°	40.9"	2,620	12.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1472-P	8,400	36.0"	14°-72°	40.9"	2,780	13.8"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
1 - 2 roll clamps - Split long arm													
ARC-90-1051-PS	10,100	25.5"	10°-51°	40.9"	2,500	10.8"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1055-PS	9,500	27.5"	10°-55°	40.9"	2,520	11.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1060-PS	9,200	30.0"	10°-60°	40.9"	2,570	11.8"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1063-PS	8,800	31.5"	10°-63°	40.9"	2,590	12.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV
ARC-90-1472-PS	8,400	36.0"	14°-72°	40.9"	2,740	13.4"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	III / IV

Notes:

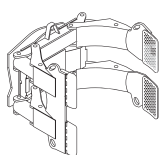
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 8,500 - 11,800 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

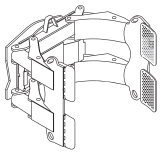
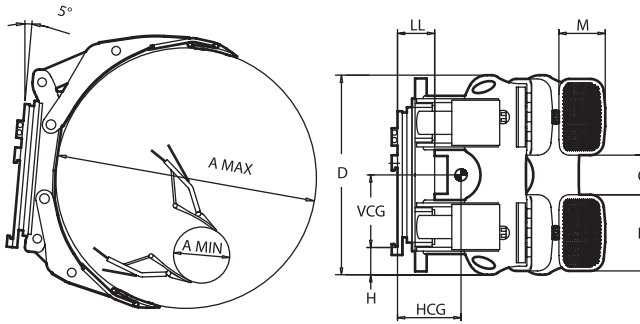
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-100-1651-P	11,800	25.5"	16"-51"	40.9"	2,620	11.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1655-P	10,900	27.5"	16"-55"	40.9"	2,650	12.0"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1660-P	10,000	30.0"	16"-60"	40.9"	2,710	12.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1663-P	9,700	31.5"	16"-63"	40.9"	2,730	13.0"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1672-P	8,500	36.0"	16"-72"	40.9"	2,920	14.4"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
1 - 2 roll clamps - Split long arm													
ARC-100-1651-PS	11,800	25.5"	16"-51"	40.9"	2,590	11.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1655-PS	10,900	27.5"	16"-55"	40.9"	2,620	11.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1660-PS	10,000	30.0"	16"-60"	40.9"	2,680	12.2"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1663-PS	9,700	31.5"	16"-63"	40.9"	2,700	12.6"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV
ARC-100-1672-PS	8,500	36.0"	16"-72"	40.9"	2,890	14.0"	15.6"	8.3"	38.6"	11.0"x15.7"	7.9"	4.3"	IV

Notes:

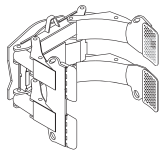
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 10,000 - 12,500 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

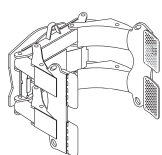
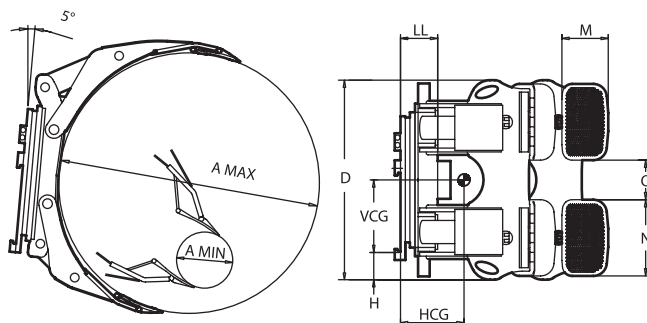
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-120-1651-P	12,500	25.5"	16"-51"	48.8"	3,120	11.4"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-1755-P	12,200	27.5"	17"-55"	48.8"	3,575	11.8"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-1960-P	12,000	30.0"	19"-60"	48.8"	3,200	12.4"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-2063-P	11,400	31.5"	20"-63"	48.8"	3,245	12.8"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-2272-P	10,000	36.0"	22"-72"	48.8"	3,340	14.0"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
1 - 2 roll clamps - Split long arm													
ARC-120-1651-PS	12,500	25.5"	16"-51"	48.8"	3,100	11.2"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-1755-PS	12,200	27.5"	17"-55"	48.8"	3,550	11.6"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-1960-PS	12,000	30.0"	19"-60"	48.8"	3,175	12.2"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-2063-PS	11,400	31.5"	20"-63"	48.8"	3,220	12.6"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV
ARC-120-2272-PS	10,000	36.0"	22"-72"	48.8"	3,300	13.6"	20.5"	9.5"	39.0"	11.0"x19.7"	7.9"	3.9"	IV

Notes:

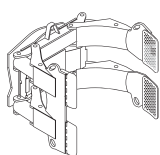
- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced
 - full length contact pads.



Unsplit long arm



Split long arm

Range: 11,500 - 14,300 Lbs.

Features:

- 180-degree rotation. Hydraulic cushioning in the vertical end positions.
- Rotating paper roll clamp for safe and effective vertical and horizontal roll handling.
- Slim and smooth arm and frame design, optimal visibility and advanced hydraulic operation.
- Pivoting arm movement. Short and long arms. Non-split long arm for single roll handling. Split arm for 1 - 2 roll handling.
- All hydraulic functions protected with built-in pressure relief valves and check valves. All service and maintenance points easily available.

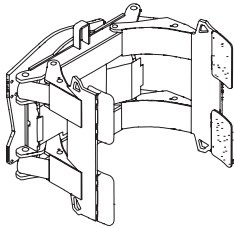
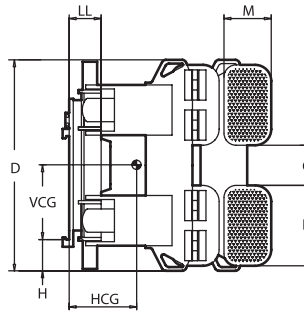
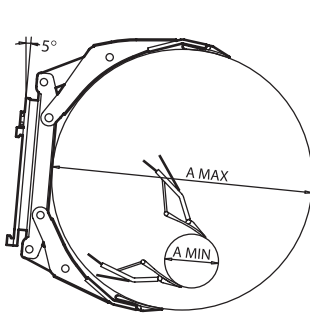
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Single roll clamps - Unsplit long arm													
ARC-130-2051-P	14.300	25,5"	20°-51"	52,8"	3.330	11,8"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2055-P	14.100	27,5"	20°-55"	52,8"	3.350	12,2"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2060-P	13.900	30,0"	20°-60"	52,8"	3.410	12,6"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2063-P	13.200	31,5"	20°-63"	52,8"	3.440	13,0"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2472-P	11.500	36,0"	24°-72"	52,8"	3.570	14,2"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
1 - 2 roll clamps - Split long arm													
ARC-130-2051-PS	14.300	25,5"	20°-51"	52,8"	3.290	11,4"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2055-PS	14.100	27,5"	20°-55"	52,8"	3.310	11,8"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2060-PS	13.900	30,0"	20°-60"	52,8"	3.380	12,2"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2063-PS	13.200	31,5"	20°-63"	52,8"	3.400	12,6"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV
ARC-130-2472-PS	11.500	36,0"	24°-72"	52,8"	3.540	13,8"	20,5"	9,6"	39,0"	11.0"x19.7"	11,8"	5,9"	IV

Notes:

- All models with hydraulically positionable short arm.
- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
- For 0-degree tilt, special arms are available. Consult Bolzoni.

Options:

- Special roll ranges.
- Fixed (non-moving) short arm.
- Contact pad options:
 - steel-sprayed
 - rubber faced
 - polyurethane faced.



Range: 11,000 - 15,400 Lbs.

Features:

- Rotating paper roll clamp for vertical and horizontal handling of single rolls.
- Pivoting arm movement. Mobile long arm and positionable short arm. Several contact pad options in standard series.
- 180-degree rotation. Hydraulic cushioning in the vertical positions.

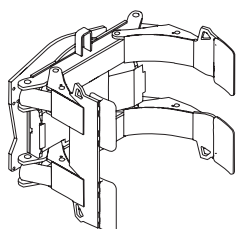
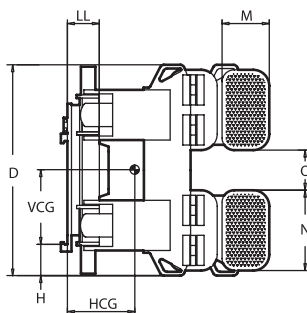
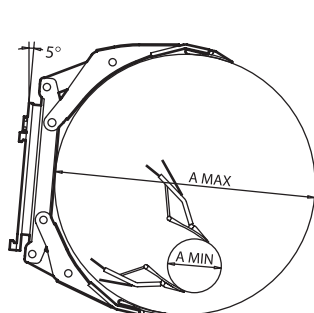
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
RA-500-NL	11,000	49"	24"-98"	56.7"	4,740	18.1"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-530-NL	11,650	45"	22"-91"	56.7"	4,600	17.1"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-560-NL	12,300	41"	23"-83"	56.7"	4,490	16.3"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-630-NL	13,900	36"	20"-72"	56.7"	4,190	15.4"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-700-N	15,400	31"	20"-63"	56.7"	4,070	15.0"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①

Notes:

- Two hydraulic functions required.
 - See hydraulic specifications page for pressure and flow rate recommendations.
 - Standard contact pads: rubber faced or steel sprayed.
 - Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
 - For 0-degree tilt, special arms are available. Consult Bolzoni.
- ① Consult Bolzoni Auramo.

Options:

- Special roll ranges.
- Contact pad options:
 - polyurethane faced
 - full length contact pads
 - cast pads not available.



Range: 11,000 - 15,400 Lbs.

Features:

- Rotating paper roll clamp for vertical and horizontal roll handling of 1-2 rolls.
- Pivoting arm movement. Short and long arms. Split long arm. Several contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions.
- Positionable short arm.

09

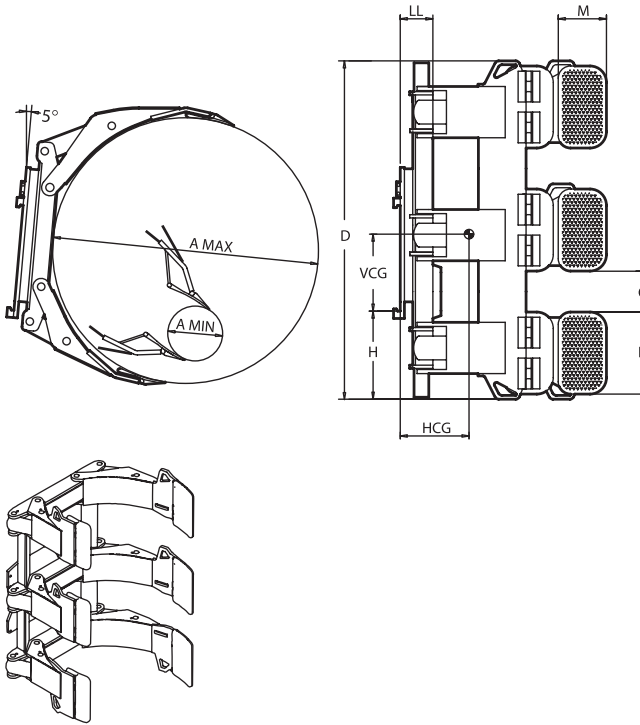
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
RA-500-NLJ	11,000	49"	24"-98"	56.7"	4,690	17.9"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-530-NLJ	11,650	45"	22"-91"	56.7"	4,560	17.1"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-560-NLJ	12,300	41"	23"-83"	56.7"	4,450	16.3"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-630-NLJ	13,900	36"	20"-72"	56.7"	4,120	15.4"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①
RA-700-NJ	15,400	31"	20"-63"	56.7"	4,030	15.0"	18.7"	10.2"	①	15.7" x 23.6"	7.9"	①	①

Notes:

- Two hydraulic functions required.
 - See hydraulic specifications page for pressure and flow rate recommendations.
 - Standard contact pads: rubber faced or steel sprayed.
 - Minimum 5-degree forward tilt on lift mast is required for horizontal handling.
 - For 0-degree tilt, special arms are available. Consult Bolzoni.
- ① Consult Bolzoni Auramo.

Options:

- Special roll ranges.
- Contact pad options:
 - polyurethane faced
 - full length contact pads
 - cast pads not available.



Range: 7,700 - 17,600 Lbs.

Features:

- Rotating paper roll clamp for vertical and horizontal roll handling.
- Three split long arms enable the handling of one large roll or 2-3 rolls of different diameters.
- Pivoting arm movement. Short and long arms. Several contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions eliminates the risk of edge damage.

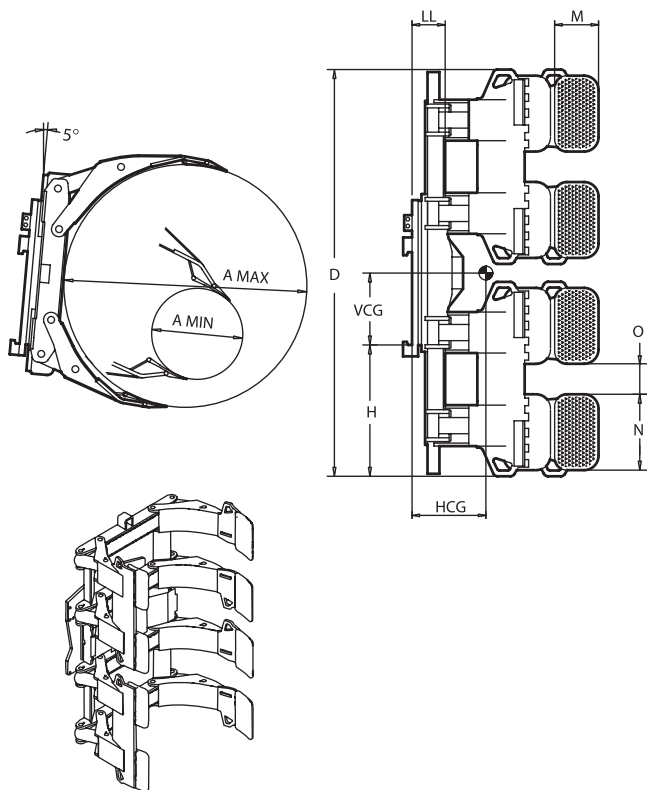
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
RA-350-NJ-3	7.700	25.5"	10"-51"	80.3"	3.480	15.0"	16.3"	14.4"	①	8.3" x 11.8"	15.7"	24.0"	III/IV
RA-450-NJ-3	9.900	25.5"	10"-51"	80.3"	3.300	13.4"	16.3"	14.4"	①	9.4" x 15.7"	15.7"	24.0"	III/IV
RA-550-NJ-3	12.100	35.5"	10"-71"	92.1"	4.690	18.5"	19.3"	15.2"	①	11.0" x 19.7"	15.7"	29.7"	IV
RA-580-NJ-3	12.800	31.5"	10"-63"	92.1"	4.540	17.0"	19.3"	15.2"	①	11.0" x 19.7"	15.7"	29.7"	IV
RA-600-NLJ-3	13.200	29.5"	20"-59"	92.1"	4.490	16.5"	19.3"	15.2"	①	11.0" x 19.7"	15.7"	29.7"	IV
RA-600-NJ-3	13.200	25.5"	10"-51"	92.1"	4.360	15.7"	19.3"	15.2"	①	11.0" x 19.7"	15.7"	29.7"	IV
RA-800-NJ-3	17.600	30.0"	31"-60"	92.1"	5.650	17.3"	19.3"	17.1"	①	11.0" x 19.7"	15.7"	29.7"	②

Notes:

- Two hydraulic functions required.
 - See hydraulic specifications page for pressure and flow rate recommendations.
 - Standard contact pads: cast pad with high-friction surface.
 - For bilge handling, 5-degree forward tilt on upright is required.
- ① Consult Bolzoni Auramo.
② Special mounting required.

Options:

- Special roll ranges.
- Special arms for 0-degree tilt.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 15,400 - 17,600 Lbs.

Features:

- Rotating paper roll clamp for vertical and horizontal roll-handling.
- Four split long arms with two positionable short arms enable the handling of one super-jumbo roll or 1-4 rolls of different diameters.
- Pivoting arm movement. Short and long arms. Several arm and contact pad options in standard series.
- 180-degree rotation, with hydraulic cushioning in the vertical positions eliminates the risk of edge-damage.

09

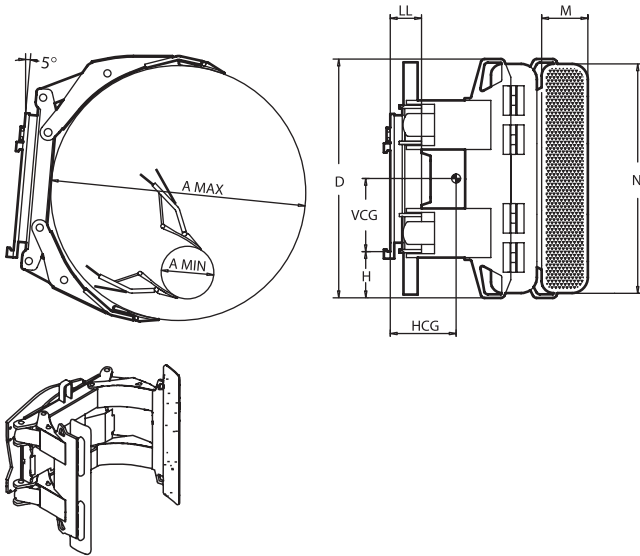
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
RA-700NJ-4-13.5	15,400	26.5"	20"-53"	88,2"	4.010	11,2"	①	9,3"	①	9.4"x15.7"	7.9"	33,9"	IV
RA-700NJ-4-15	15,400	30.0"	20"-60"	88,2"	4.740	11,8"	①	9,3"	①	9.4"x15.7"	7.9"	33,9"	IV
RA-700NJ-4	15,400	36.0"	24"-72"	104.0"	5.510	15,7"	①	9,8"	①	11.0" x 19,7"	7,9"	33,9"	②
RA-750NJ-4	16,500	31.5"	24"-63"	104.0"	5.310	12,8"	①	9,8"	①	11.0" x 19,7"	7,9"	33,9"	②
RA-760NJ-4	16,800	29,5"	24"-59"	104.0"	5.260	11,4"	①	9,8"	①	11.0" x 19,7"	7,9"	33,9"	②
RA-780NJ-4	17,200	27,5"	24"-55"	104.0"	5.200	10,2"	①	9,8"	①	11.0" x 19,7"	7,9"	33,9"	②
RA-800NJ-4	17,600	25,5"	24"-51"	104.0"	5.110	9,1"	①	9,8"	①	11.0" x 19,7"	7,9"	33,9"	②

Notes:

- Two hydraulic functions required.
- See hydraulic specifications page for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- For bilge handling, 5-degree forward tilt on upright is required.
 - ① Consult Bolzoni Auramo.
 - ② Special mounting required. Please, see page 9-45.

Options:

- Special roll ranges.
- Special arms for 0-degree tilt.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 3,300 - 13,200 Lbs.

Features:

- Rotating paper roll clamp for vertical and horizontal handling of a single tissue roll.
- Big surface clamp pads prevent roll damage.
- Pivoting arm movement. Short and long arms.
- 180-degree rotation, with hydraulic cushioning in the vertical positions eliminates the risk of edge damage.

Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
ARC-48-1463-PT	3,900	31.5"	14"-63"	48.8"	1,740	17.1"	14.2"	7.1"	32.3"	11.0" x 47.2"	-	10.4"	II/III
ARC-48-1667-PT	3,500	33.5"	16"-67"	48.8"	1,780	17.7"	14.2"	7.1"	32.3"	11.0" x 47.2"	-	10.4"	II/III
ARC-48-1672-PT	3,300	36.0"	16"-72"	48.8"	1,830	18.7"	14.2"	7.1"	32.3"	11.0" x 47.2"	-	10.4"	II/III
ARC-60-1672-PT	5,500	36.0"	16"-72"	48.8"	2,000	15.2"	14.2"	7.9"	32.3"	11.0" x 47.2"	-	10.4"	III
ARC-60-1675-PT	5,300	37.5"	16"-75"	48.8"	2,050	15.7"	14.2"	7.9"	32.3"	11.0" x 47.2"	-	10.4"	III
ARC-60-1680-PT	5,000	40.0"	16"-80"	48.8"	2,080	16.3"	14.2"	7.9"	32.3"	11.0" x 47.2"	-	10.4"	III
ARC-60-1884-PT	4,600	42.0"	18"-84"	48.8"	2,110	16.7"	14.2"	7.9"	32.3"	11.0" x 47.2"	-	10.4"	III
ARC-74-1872-PT	6,200	36.0"	18"-72"	56.7"	2,690	20.1"	17.1"	7.5"	38.6"	15.7" x 55.1"	-	11.2"	III/IV
ARC-74-2075-PT	5,800	37.5"	20"-75"	56.7"	2,730	20.5"	17.1"	7.5"	38.6"	15.7" x 55.1"	-	11.2"	III/IV
ARC-74-2080-PT	5,500	40.0"	20"-80"	56.7"	2,800	21.3"	17.1"	7.5"	38.6"	15.7" x 55.1"	-	11.2"	III/IV
ARC-74-2484-PT	5,300	42.0"	24"-84"	56.7"	2,860	22.0"	17.1"	7.5"	38.6"	15.7" x 55.1"	-	11.2"	III/IV
ARC-84-2080-PT	6,400	40.0"	20"-80"	64.6"	3,260	20.5"	17.1"	8.3"	38.6"	15.7" x 63.0"	-	15.2"	III/IV
ARC-84-2484-PT	6,100	42.0"	24"-84"	64.6"	3,350	21.3"	17.1"	8.3"	38.6"	15.7" x 63.0"	-	15.2"	III/IV
ARC-84-2686-PT	5,800	43.0"	26"-86"	64.6"	3,440	22.4"	17.1"	8.3"	38.6"	15.7" x 63.0"	-	15.2"	III/IV
ARC-84-3290-PT	5,500	45.0"	32"-90"	64.6"	3,520	23.2"	17.1"	8.3"	38.6"	15.7" x 63.0"	-	15.2"	III/IV
ARC-90-3486-PT	6,700	43.0"	34"-86"	72.4"	3,590	21.7"	15.6"	8.3"	38.6"	15.7" x 70.9"	-	20.7"	IV
ARC-90-3490-PT	6,400	45.0"	34"-90"	72.4"	3,630	22.4"	15.6"	8.3"	38.6"	15.7" x 70.9"	-	20.7"	IV
ARC-90-3494-PT	6,100	47.0"	34"-94"	72.4"	3,700	23.2"	15.6"	8.3"	38.6"	15.7" x 70.9"	-	20.7"	IV
ARC-90-34100-PT	5,700	50.0"	34"-100"	72.4"	3,770	24.0"	15.6"	8.3"	38.6"	15.7" x 70.9"	-	20.7"	IV
ARC-120-3490-PT	7,200	45.0"	34"-90"	72.4"	4,120	22.4"	20.5"	9.4"	39.0"	15.7" x 70.9"	-	15.7"	IV
ARC-120-3494-PT	6,800	47.0"	34"-94"	72.4"	4,190	23.2"	20.5"	9.4"	39.0"	15.7" x 70.9"	-	15.7"	IV
ARC-120-34100-PT	6,500	50.0"	34"-100"	72.4"	4,250	24.0"	20.5"	9.4"	39.0"	15.7" x 70.9"	-	15.7"	IV
ARC-130-3490-PT	8,500	45.0"	34"-90"	72.4"	4,430	22.8"	20.5"	9.6"	39.0"	15.7" x 70.9"	-	15.7"	IV
ARC-130-3494-PT	8,100	47.0"	34"-94"	72.4"	4,490	23.6"	20.5"	9.6"	39.0"	15.7" x 70.9"	-	15.7"	IV
ARC-130-34100-PT	7,800	50.0"	34"-100"	72.4"	4,560	24.4"	20.5"	9.6"	39.0"	15.7" x 70.9"	-	15.7"	IV
RA-400-NLT	8,800	51.0"	33"-102"	56.7"	4,930	19.7"	20.9"	10.2"	①	27.6" x 55.1"	-	x	x
RA-500-NLT	11,000	49.0"	26"- 98"	56.7"	4,740	18.9"	20.9"	10.2"	①	27.6" x 55.1"	-	x	x
RA-600-NLT	13,200	53.0"	59"-106"	72.4"	7,490	31.5"	26.0"	11.4"	①	27.6" x 70.9"	-	x	x

Notes:

- Two hydraulic functions required.
- Consult Bolzoni for hydraulic pressure and flow rate recommendations. Standard contact pads: rubber faced, unsplit pads.
- For bilge handling, 5-degree forward tilt on upright is required.
 - ① Consult Bolzoni Auramo.

Options:

- Special roll ranges.
- Special arms for 0-degree tilt.
- Contact pad options:
 - plain pad surface.

Tissue clamp contact pads have a wide area and specialized pad friction surface selected to match the operation requirements. Depending on the clamp size and application requirements, Bolzoni Auramo offers three contact pad models for tissue clamps.

Contact pads are available with a wide variety of friction surface choices to match the exact application needs.

Thin pad and arm design

The minimized pad thickness ensures good knifing properties when handling tightly stacked and bilge rolls.



Safe finish

All sharp edges have been carefully removed. This prevents the pad and arm from cutting the paper.



Steering front edge

The pad and friction surface has a special form, which steers the pad easier around the roll.



Smooth wear strips on short arm contact pad

Wear strips provide added safety margin against inevitable tear and wear against the floor.



Well protected hinge and spring system

Specialized positioning springs and limiter rods keep the pads in correct position.



Well-rounded, smooth pad profile

Pad corners have large-radius design and the pads have no protruding parts or edges.

09

Single Radius Pads - for harder tissue paper

Single radius pads are designed to match the varying roll diameters. Best suited for hard or medium- hard tissue paper grades.



Triple Radius Pads - for all tissue grades

Triple radius pads have convexed upper, lower and side edges. This prevents the pad edges from cutting into the paper. These pads are suitable for all types of tissue paper, also for medium-soft and soft paper.



Convex Radius Pads - for very soft tissue

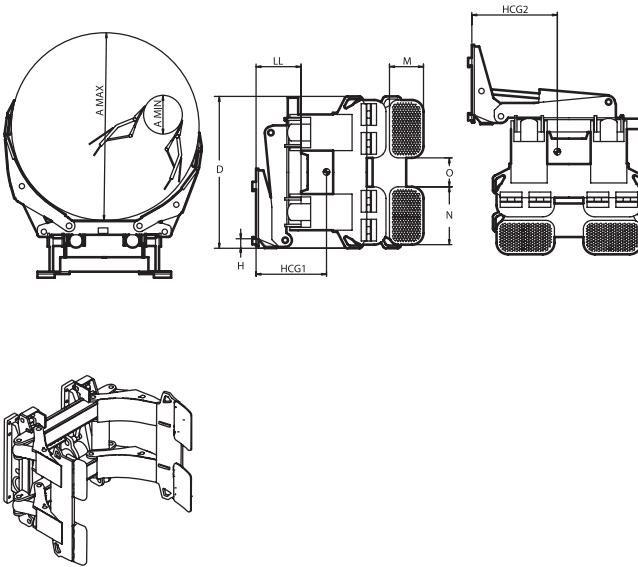
Heavy convex pads have a special form, which convexes outwards throughout the entire pad length. This enables the pad to compress the top layers of the paper roll and increase the grip. Suitable for very soft paper grades only.



Range: 7,000 - 9,200 Lbs.

Features:

- Tilting paper roll clamp for vertical and horizontal handling of single rolls.
- Pivoting arm movement. Short and long arms. Several arm and contact pad options in standard series.
- 90-degree tilt with built-in check valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.



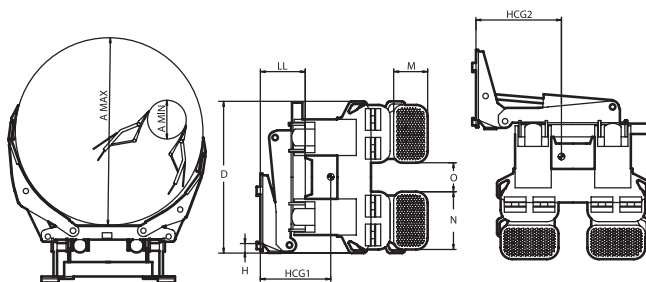
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 ①	A ②	D	W	HCG1/HCG2 ③	VCG ④	LL	M x N	O	H	
TA-35RH-13	7,500	25.6"/51.1"	9.8"/21.7"-51.2"	48.8"	3,197	18.9"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-35RH-15	7,000	30.0"/51.1"	9.8"/21.7"-59.8"	48.8"	3,285	19.7"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-35RH-16	7,000	31.5"/51.1"	9.8"/21.7"-63.0"	48.8"	3,329	19.9"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RH-13	9,200	25.6"/51.1"	9.8"/21.7"-51.2"	48.8"	3,263	18.9"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RH-15	8,800	30.0"/51.1"	9.8"/21.7"-59.8"	48.8"	3,350	19.7"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RH-16	8,800	31.5"/51.1"	9.8"/21.7"-63.0"	48.8"	3,395	19.9"/28.7"	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Load center is rated in the vertical and horizontal tilted positions.
 - ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
 - ③ Horizontal center of gravity is indicated in the vertical position and in the horizontal tilted position.
 - ④ Consult Bolzoni Auramo regarding factory specifications.

Options:

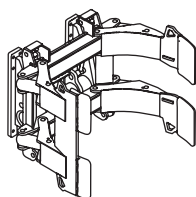
- Special roll ranges.
- Short arm on right or left side. Please, see page 9-48.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced
 - full-length contact pads on short arm side.



Range: 7,770 - 9,200 Lbs.

Features:

- Tilting paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Split long arm. Several arm and contact pad options in standard series.
- 90-degree tilt with built in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.



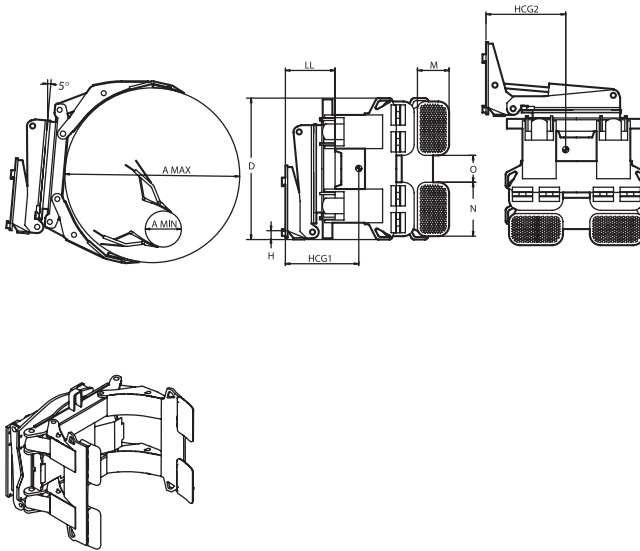
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 ①	A ②	D	W	HCG1/HCG2 ③	VCG ④	LL	M x N	O	H	
TA-35RJ-13	7,500	25.6"/51.1"	9.8°/21.7°-51.2°	48.8"	3,152	18.9°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-35RJ-15	7,000	30.0°/51.1"	9.8°/21.7°-59.8°	48.8"	3,240	19.7°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-35RJ-16	7,000	31.5°/51.1"	9.8°/21.7°-63.0°	48.8"	3,285	19.9°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RJ-13	9,200	25.6°/51.1"	9.8°/21.7°-51.2°	48.8"	3,219	18.9°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RJ-15	8,800	30.0°/51.1"	9.8°/21.7°-59.8°	48.8"	3,307	19.7°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV
TA-40RJ-16	8,800	31.5°/51.1"	9.8°/21.7°-63.0°	48.8"	3,350	19.9°/28.7°	④	18.7"	11.0" x 19.7"	7.9"	3.1"	IV

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Load center is rated in the vertical and horizontal tilted positions.
 - ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
 - ③ Horizontal center of gravity is indicated in the vertical position and in the horizontal tilted position.
 - ④ Consult Bolzoni Auramo regarding factory specifications.

Options:

- Special roll ranges.
- Full-length contact pads on short arm side.
- Short arm on right or left side.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 4,800 - 10,600 Lbs.

Features:

- Tilting and rotating paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Several different arm and contact pad options in standard series.
- 90-degree tilt with built-in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.
- 180-degree rotation, with hydraulic cushioning in the vertical positions.

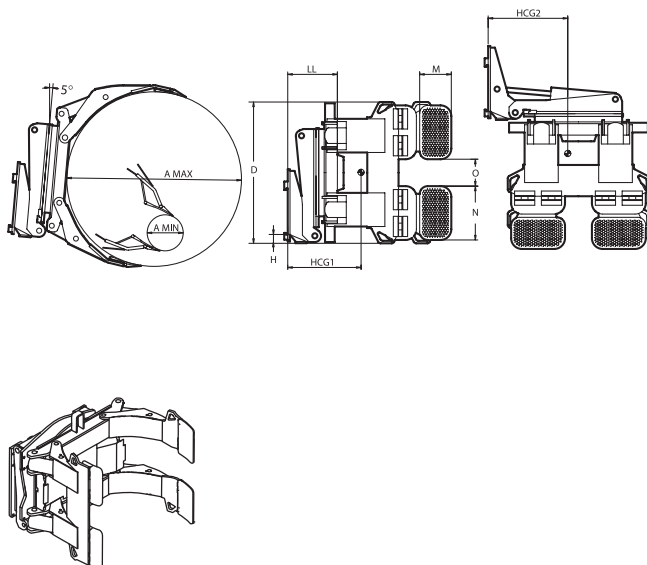
Model	Capacity	Load Center	Roll Range	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 ①	A ②	D	W	HCG1/ HCG2 ③	VCG ④	LL	M x N	O	H	
TAR-30RH-13	4,800	25.6"/47.2"	9.8"/21.7"-51.2"	40.9"	2,557	16.5"/24.4"	④	17.3"	9.4" x 15.7"	7.9"	x	III
TAR-40RH-15	7,700	30.0"/51.1"	9.8"/21.7"-59.8"	48.8"	3,946	19.7"/29.1"	④	21.0"	11.0" x 19.7"	7.9"	x	IV / V
TAR-40RH-16	7,000	31.5"/51.1"	9.8"/21.7"-63.0"	48.8"	3,946	20.1"/29.1"	④	21.0"	11.0" x 19.7"	7.9"	x	IV / V
TAR-45RH-15L	9,900	30.0"/57.0"	15.7"/21.7"-60.0"	48.8"	4,430	21.6"/28.7"	④	23.9"	11.0" x 19.7"	7.9"	x	IV / V
TAR-45RH-16L	9,200	31.5"/57.0"	15.7"/21.7"-63.0"	48.8"	4,520	22.0"/28.7"	④	23.9"	11.0" x 19.7"	7.9"	x	IV / V
TAR-53RH-15	10,600	30.0"/55.1"	23.6"/31.5"-59.8"	48.8"	5,137	26.0"/35.4"	④	29.3"	11.0" x 19.7"	7.9"	x	IV / V
TAR-53RH-16	9,900	31.5"/55.1"	23.6"/31.5"-63.0"	48.8"	5,180	26.3"/35.4"	④	29.3"	11.0" x 19.7"	7.9"	x	IV / V

Notes:

- Three hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Load center is rated in the vertical and horizontal tilted positions.
 - ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
 - ③ Horizontal center of gravity is indicated in the vertical position and in the horizontal tilted position.
 - ④ Consult Bolzoni Auramo regarding factory specifications.

Options:

- Special roll ranges.
- Full-length contact pads on short arm side.
- Short arm on right or left side.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 4,800 - 10,600 Lbs.

Features:

- Tilting and rotating paper roll clamp for vertical and horizontal roll handling.
- Pivoting arm movement. Short and long arms. Split long arm. Several different arm and contact pad options in standard series.
- 90-degree tilt with built-in check-valve.
- Thin-arm-profile design ensures tight stacking and effective damage-free handling with excellent visibility.
- 180-degree rotation, with hydraulic cushioning in the vertical positions.

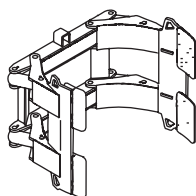
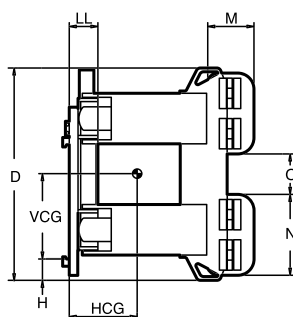
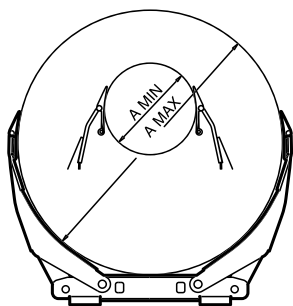
Model	Capacity	Load Center	Roll Range	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 ①	A ②	D	W	HCG1/HCG2 ③	VCG ④	LL	M x N	O	H	
TAR-30RJ-13	4.800	25.6"/47.2"	9.8"/21.7"-51.2"	40.9"	2.524	16.5"/24.4"	④	17.3"	9.4" x 15.7"	7.9" x	III	
TAR-40RJ-15	7.700	30.0"/51.1"	9.8"/21.7"-59.8"	48.8"	3.913	19.7"/29.1"	④	21.0"	11.0" x 19.7"	7.9" x	IV / V	
TAR-40RJ-16	7.000	31.5"/51.1"	9.8"/21.7"-63.0"	48.8"	3.913	20.1"/29.1"	④	21.0"	11.0" x 19.7"	7.9" x	IV / V	
TAR-45RJ-15L	9.900	30.0"/57.0"	15.7"/21.7"-60.0"	48.8"	4.410	21.2"/28.7"	④	23.9"	11.0" x 19.7"	7.9" x	IV / V	
TAR-45RJ-16L	9.200	31.5"/57.0"	15.7"/21.7"-63.0"	48.8"	4.490	21.6"/28.7"	④	23.9"	11.0" x 19.7"	7.9" x	IV / V	
TAR-53RJ-15	10.600	30.0"/55.1"	23.6"/31.5"-59.8"	48.8"	5.103	26.0"/35.4"	④	29.3"	11.0" x 19.7"	7.9" x	IV / V	
TAR-53RJ-16	9.900	31.5"/55.1"	23.6"/31.5"-63.0"	48.8"	5.148	26.3"/35.4"	④	29.3"	11.0" x 19.7"	7.9" x	IV / V	

Notes:

- Three hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Load center is rated in the vertical and horizontal tilted positions.
 - ② Minimum roll range in the horizontal tilted position is greater. Consult Bolzoni Auramo.
 - ③ Horizontal center of gravity is indicated in the vertical position and in the horizontal tilted position.
 - ④ Consult Bolzoni Auramo regarding factory specifications.

Options:

- Special roll ranges.
- Full-length contact pads on short arm side.
- Short arm on right or left side.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 3,300 - 11,400 Lbs.

Features:

- Designed for vertical handling of single paper rolls.
- Pivoting arm movement. Equal length arms or short and long arms for required use. Several arm and contact pad options in standard series.
- Non-rotating.

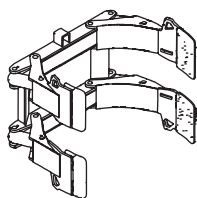
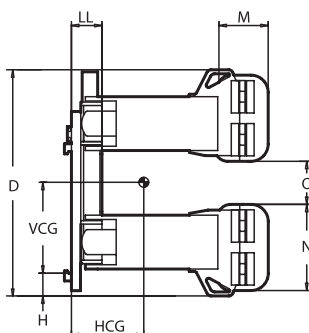
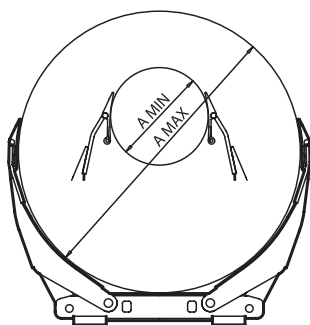
Model	Capacity	Load Center	Roll Range	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 ①	A ②	D	W	HCG1/HCG2 ③	VCG ④	LL	M x N	O	H	
A-20RH-13	4.400	25.6"	17.7"-51.2"	33.0"	1.080	10.2"	13.2"	4.8"	8.7" x 11.8"	7.9"	2.9"	II / III
A-20RH-15	3.300	30.0"	17.7"-59.8"	33.0"	1.146	11.8"	13.2"	4.8"	8.7" x 11.8"	7.9"	2.9"	II / III
A-30RH-13	5.800	25.6"	17.7"-51.2"	40.9"	1.565	9.6"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-30RH-15	5.300	30.0"	21.6"-59.8"	40.9"	1.642	12.4"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-30RH-16	4.700	31.5"	23.6"-63.0"	40.9"	1.664	13.2"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-33RH-13	7.300	25.6"	17.7"-51.2"	48.8"	1.653	10.4"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-33RH-15	6.600	30.0"	21.6"-59.8"	48.8"	1.730	13.2"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-33RH-16	6.000	31.5"	23.6"-63.0"	48.8"	1.753	14.0"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-40RH-13	9.900	25.6"	17.7"-51.2"	48.8"	2.050	12.2"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-40RH-15	9.200	30.0"	20.5"-59.8"	48.8"	2.138	13.4"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-40RH-16	8.800	31.5"	21.6"-63.0"	48.8"	2.182	13.6"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-50RH-15	11.400	30.0"	21.6"-59.8"	52.7"	2.337	12.8"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV
A-50RH-16	11.000	31.5"	21.6"-63.0"	52.7"	2.381	13.0"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV
A-50RH-18	9.900	36.0"	23.6"-72.0"	52.7"	2.513	13.8"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV

Notes:

- One hydraulic function required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

- Special roll ranges.
- Full-length contact pads on short arm side.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 3,300 - 11,400 Lbs.

Features:

- Designed for vertical handling of 1 or 2 rolls of equal or unequal diameters.
- Pivoting arm movement. Equal length arms or short and long arms for required use. Several arm and contact pad options in standard series.
- Non-rotating.

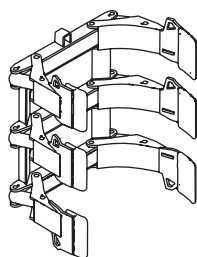
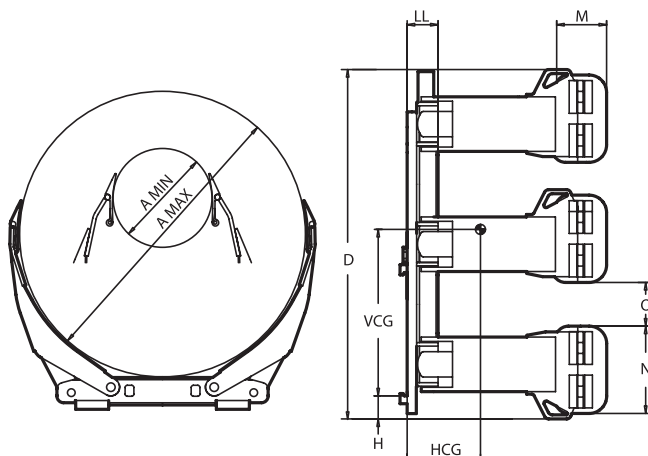
Model	Capacity	Load Center	Roll Range	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP1/BP2 (1)	A (2)	D	W	HCG1/HCG2 (3)	VCG (4)	LL	M x N	O	H	
A-20RJJ-13	4.400	25.6"	17.7" - 51.2"	33.0"	1.036	10.0"	13.2"	4.8"	8.7" x 11.8"	7.9"	2.9"	II / III
A-20RJJ-15	3.300	30.0"	17.7" - 59.8"	33.0"	1.102	11.6"	13.2"	4.8"	8.7" x 11.8"	7.9"	2.9"	II / III
A-30RJJ-13	5.800	25.6"	17.7" - 51.2"	40.9"	1.521	9.4"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-30RJJ-15	5.300	30.0"	21.6"-59.8"	40.9"	1.598	12.2"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-30RJJ-16	4.700	31.5"	23.6"-63.0"	40.9"	1.620	13.0"	16.9"	5.5"	9.4" x 15.7"	7.9"	3.9"	III
A-33RJJ-13	7.300	25.6"	17.7"-51.2"	48.8"	1.609	10.2"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-33RJJ-15	6.600	30.0"	21.6"-59.8"	48.8"	1.686	13.0"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-33RJJ-16	6.000	31.5"	23.6"-63.0"	48.8"	1.708	13.8"	20.9"	5.5"	11.0" x 19.7"	7.9"	3.9"	III / IV
A-40RJJ-13	9.900	25.6"	17.7"-51.2"	48.8"	2.006	12.0"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-40RJJ-15	9.200	30.0"	20.5"-59.8"	48.8"	2.094	13.2"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-40RJJ-16	8.800	31.5"	21.6"-63.0"	48.8"	2.138	13.4"	20.9"	6.1"	11.0" x 19.7"	7.9"	5.5"	III / IV
A-50RJJ-15	11.400	30.0"	21.6"-59.8"	52.7"	2.293	12.6"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV
A-50RJJ-16	11.000	31.5"	21.6"-63.0"	52.7"	2.337	12.8"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV
A-50RJJ-18	9.900	36.0"	23.6"-72.0"	52.7"	2.469	13.6"	22.8"	7.1"	11.0" x 19.7"	11.8"	5.7"	IV

Notes:

- One hydraulic function required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

- Special roll ranges.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 7,700 - 13,200 Lbs.

Features:

- Equal length split arms enable the handling of one super-jumbo roll or 1-3 rolls of different diameters in the vertical position.
- Pivoting arm movement.
- Several arm and contact pad options in standard series.
- Non-rotating.

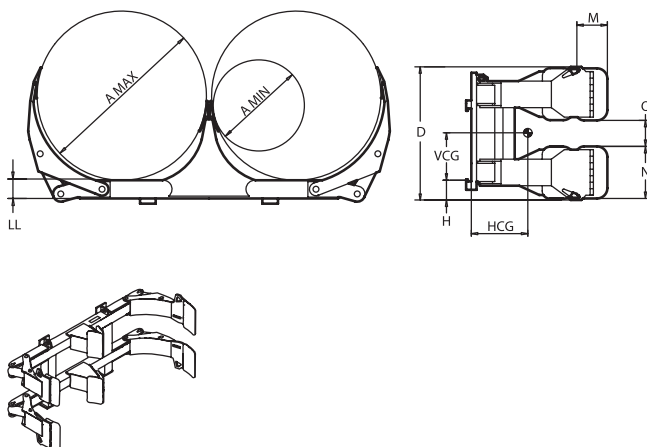
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	
A-350-NJJ-3	7,700	31"	10"-51"	80.3"	1,760	13.0"	36.6"	5.5"	9.4"x15.7"	15.7"	3.5"	III / IV
A-450-NJJ-3	9,900	26"	16"-51"	80.3"	1,650	11.4"	36.6"	5.5"	9.4"x15.7"	15.7"	3.5"	III / IV
A-550-NJJ-3	12,100	35"	24"-71"	92.1"	3,190	15.6"	40.6"	6.1"	11.0"x19.7"	15.7"	5.5"	IV
A-580-NJJ-3	12,750	31"	20"-63"	92.1"	3,080	13.4"	40.6"	6.1"	11.0"x19.7"	15.7"	5.5"	IV
A-600-NJJ-3	13,200	26"	16"-51"	92.1"	2,970	12.0"	40.6"	6.1"	11.0"x19.7"	15.7"	5.5"	IV

Notes:

- One hydraulic function required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

- Special roll ranges.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.
- Hydraulically adjustable upper frame. Easy clamp height adjustment to varying paper roll and roll stack height. See page 9-40.



Range: 11,000 - 22,050 Lbs.

Features:

- Multiple Paper Roll clamp for vertical handling of 2-4 rolls at a time.
- Pivoting arm movement, equal length split long arms, fixed center arm. Several arm and contact pad options in standard series.
- Thin-arm profile ensures tight stacking with excellent visibility, and damage-free handling.
- Strong light body, with favorable effective thickness, maximizes the residual capacity of the truck.

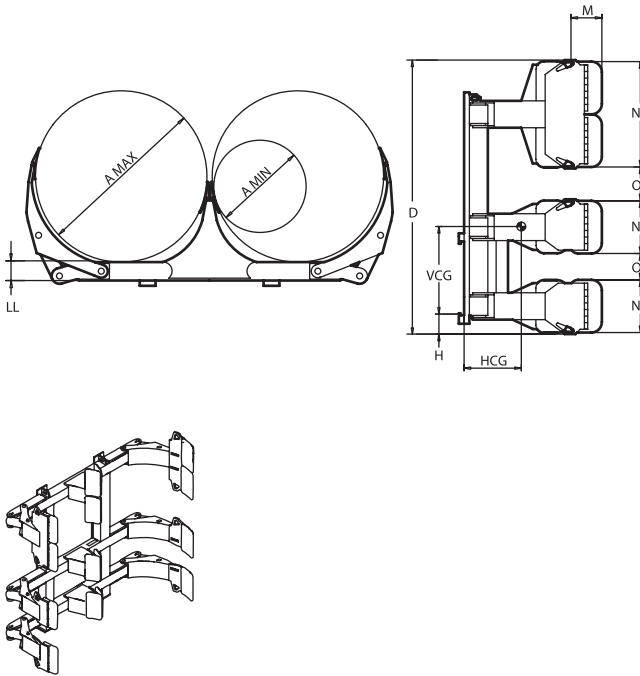
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	
LA-500N-4	11,000	26"	2x[10"-51"]	40.9"	1,910	13.0"	16.1"	6.3"	9.4"x15.7"	7.9"	①	IV
LA-600N-4	13,200	26"	2x[10"-51"]	40.9"	2,370	13.0"	16.1"	7.1"	9.4"x15.7"	7.9"	①	IV
LA-800N-4	17,600	31"	2x[35"-63"]	48.8"	2,840	13.8"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②
LA-840N-4	18,500	30"	2x[35"-59"]	48.8"	2,820	13.6"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②
LA-860N-4	18,950	28"	2x[35"-55"]	48.8"	2,800	13.4"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②
LA-900N-4	19,800	26"	2x[35"-51"]	48.8"	2,750	13.0"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②
LA-1000-4	22,050	35"	2x[39"-71"]	48.8"	3,390	13.8"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②
LA-1000S-4	22,050	27"	2x[26"-53"]	48.8"	2,910	13.4"	21.5"	7.1"	11.0"x19.7"	7.9"	①	②

Notes:

- One hydraulic function required.
- Consult Bolzoni Auram for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Consult Bolzoni Auramo.
 - ② Special mounting required. Please see page 9-40.

Options:

- Special roll ranges.
- Separate sideshift.
- Independent arm movement.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.
- Hydraulically adjustable frame width.
- Easy clamp width adjustment to varying paper roll diameter ranges.



Range: 16,500 - 26,450 Lbs.

Features:

- Multiple Paper Roll clamp for
- vertical handling of 2-8 rolls at a time.
- Pivoting arm movement. Six equal length split long arms, fixed center arm. Several arm and contact pad options in standard series.
- Thin-arm-profile ensures tight stacking with excellent visibility and damage-free handling.
- Strong light body with favorable effective thickness maximizes the residual capacity of the truck.

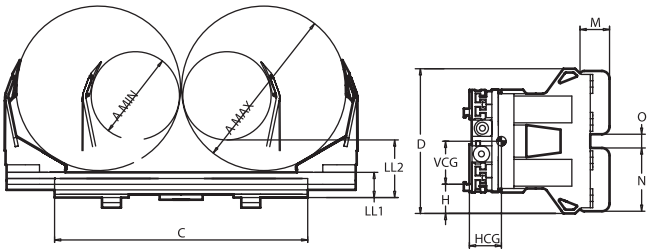
Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	M x N	O	H	
LA-750-6	16,500	26"	2x[31"-51"]	①	3,220	12.6"	①	6.3"	9.4"x15.7"	①	①	②
LA-900-LS6	19,800	35"	2x[39"-71"]	①	4,870	14.2"	①	7.9"	11"x19.7"	①	①	②
LA-900-L6	19,800	31"	2x[35"-63"]	①	4,820	13.0"	①	7.9"	11"x19.7"	①	①	②
LA-900-6	19,800	26"	2x[31"-51"]	①	4,630	12.6"	①	7.9"	11"x19.7"	①	①	②
LA-1200NL-6	26,450	30"	2x[35"-59"]	①	4,800	15.7"	①	7.9"	11"x19.7"	①	①	②
LA-1200N-6	26,450	24"	2x[31"-51"]	①	4,670	13.4"	①	7.9"	11"x19.7"	①	①	②

Notes:

- One hydraulic function required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
 - ① Consult Bolzoni Auramo.
 - ② Special mounting required. Please see page 9-40.

Options:

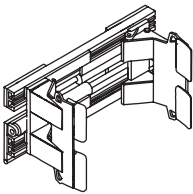
- Special roll ranges.
- Separate sideshift.
- Independent arm movement.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.
- Hydraulically adjustable frame width. Easy clamp width adjustment to varying paper roll diameter ranges.
- Hydraulically adjustable upper frame. Easy clamp height adjustment to varying paper roll and roll stack height.



Range: 6,600 Lbs.

Features:

- Paper Roll clamp designed for handling 1 or 2 rolls, side by side.
- Equal long arms. Parallel arm movement. Built-in bumper in arms compensates for different roll diameters.
- Non-rotating.
- Aluminum-profile frame.
- Built-in sideshift improves handling.



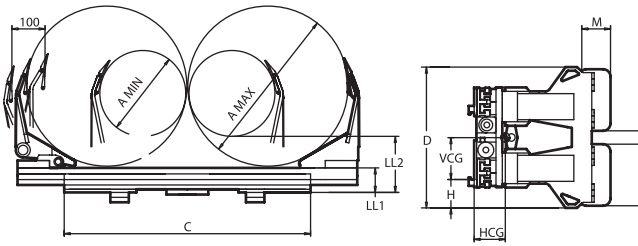
Model	Capacity Lbs.	Load Center	Roll Range	Frame Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	C	D	W	HCG	VCG	LL1 / LL2	M x N	O	H	
B-300-R	6,600	22"	2x [31"-43"]	55.1"	40.9"	1,850	11.8"	11.7"	6.2"/9.6"	9.4"x15.7"	7.9"	8.5"	III
B-300-LR	6,600	26"	2x [31"-51"]	63.0"	40.9"	2,050	12.6"	11.7"	6.2"/9.6"	9.4"x15.7"	7.9"	8.5"	III

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

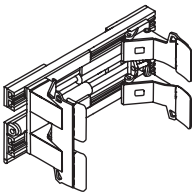
- Special roll ranges.
- External sideshift.
- Independent arm movement.
- Full-length contact pads.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 6,600 Lbs.

Features:

- Designed for handling 1-4 rolls at a time.
- Equal long arms. Parallel arm movement.
- Split left arm compensates for roll diameter differences.
- Non-rotating.
- Aluminum-profile frame.
- Built-in sideshift improves handling.



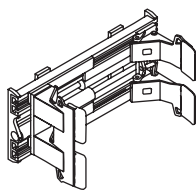
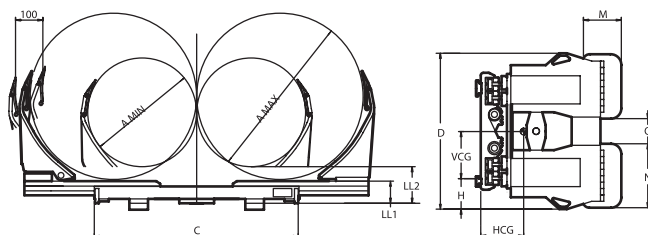
Model	Capacity Lbs.	Load Center	Roll Range	Frame Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	C	D	W	HCG	VCG	LL1 / LL2	M x N	O	H	
B-300-RJ	6,600	22"	2x [31"-43"]	55.1"	40.9"	1,890	12.0"	11.7"	6.2"/9.6"	9.4"x15.7"	7.9"	8.5"	III
B-300-LRJ	6,600	26"	2x [31"-51"]	63.0"	40.9"	2,110	12.8"	11.7"	6.2"/9.6"	9.4"x15.7"	7.9"	8.5"	III

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

- Special roll ranges.
- External sideshift.
- Independent arm movement.
- Full-length contact pads.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 11,000 Lbs.

Features:

- Designed for handling 1-4 rolls at a time.
- Equal long arms. Parallel arm movement.
- Split left arm compensates for roll diameter differences.
- Steel profile frame, strong T-profile arm carriers.
- Non-rotating.
- Built-in sideshift improves handling.

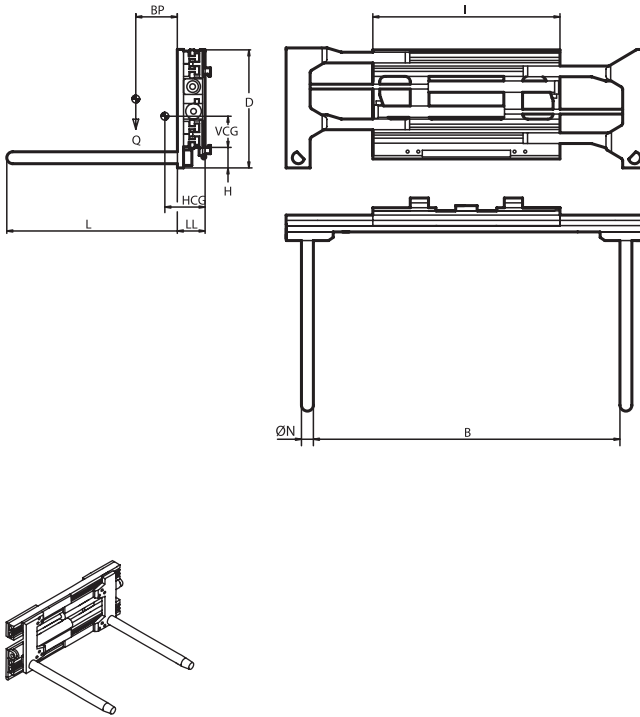
Model	Capacity Lbs.	Load Center	Roll Range	Frame Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i>	<i>BP</i>	<i>A</i>	<i>C</i>	<i>D</i>	<i>W</i>	<i>HCG</i>	<i>VCG</i>	<i>LL1 / LL2</i>	<i>M x N</i>	<i>O</i>	<i>H</i>	
BA-50-RJ	11,000	26"	2x [34"-51"]	63"	48.8"	3,640	10.4"	13.9"	7.9"/15.0"	11.0"x19.7"	7.9"	9.1"	IV

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.

Options:

- Special roll ranges.
- External sideshift.
- Independent arm movement.
- Fixed center arm and two moveable split arms.
- Full-length contact pads.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.



Range: 4,400 - 9,900 Lbs.

Features:

- Non-rotating clamp designed for Paper Roll handling in the bilge position.
- Bolted arms (tines)
- Built-in sideshift improves handling.

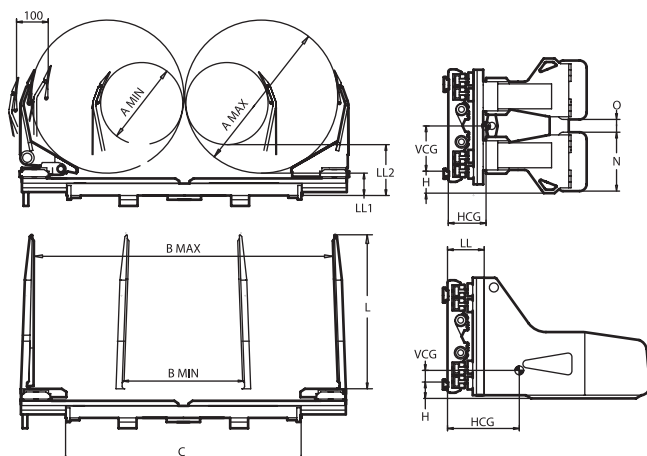
Model	Code	Capacity Lbs.	Load Center	Opening Range	Tines	Frame Width	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Height	Mounting Class
		<i>Q</i>	<i>BP</i>	<i>B</i>	<i>LxN</i>	<i>I</i>	<i>W</i>	<i>HCG</i>	<i>VCG</i>	<i>LL</i>	<i>H</i>	
B-320TA	22MH1	4,400	43.3"	12"-65"	86.6"x3.8"	43.3"	1,830	18.9"	①	8.9"	8.1"	III
B-400TA	22RH1	6,400	43.3"	12"-75"	86.6"x4.3"	55.1"	2,690	18.5"	①	9.7"	9.4"	III / IV
BA-50TA	22RJ1	9,900	43.3"	18"-87"	86.6"x5.5"	55.1"	3,410	22.0"	①	10.2"	9.4"	IV

Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- B-Series: aluminium-profile frame.
- BA-Series: steel-profile frame, with strong T-profile arm carriers.
- Opening range is measured between tines.
- ① Consult Bolzoni Auramo regarding specifications.

Options:

- Special roll ranges.
- Independent arm movement.



Range: 6,600 - 11,000 Lbs.

Features:

- Multi-function clamp designed for handling 1 - 4 paper rolls or 1 - 3 pulp-bale units.
- Equal long roll arms. Parallel arm movement. Self adjusting split left arm on BA series.
- Pulp-bale arms 47.2" or 55.1" long. Left arm is pivoted on BA series. Thin arm design.
- Easy and fast arm change.
- Built-in sideshift improves handling.
- Non-rotating.

Model	Capacity Lbs.	Load Center	Roll Range	Frame Width	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	<i>Q</i>	<i>BP</i>	<i>A (B)</i>	<i>C</i>	<i>W</i>	<i>HCG</i>	<i>VCG</i>	<i>LL1 / LL2</i>	<i>M x N</i>	<i>O</i>	<i>H</i>	
B-400MJ												
Roll Arms	6,600	22"	2x(31"-44")	55.1"	2,300	12.8"	①	9.3"/12.6"	9.4"x15.7"	7.9"	2.9"	III
Bale Arms	8,800	31"	32"-103"		2,400	15.9"		10.4"				
B-400MJ												
Roll Arms	6,600	26"	2x(31"-50")	63.0"	2,440	12.8"	①	9.3"/12.6"	9.4"x15.7"	7.9"	2.9"	III
Bale Arms	8,800	31"	32"-103"		2,470	15.9"		10.4"				
BA-50MJ												
Roll Arms	11,000	30"	2x (34"-51")	63.0"	3,570	11.0"	①	9.4"/13.8"	11.0"x19.7"	7.9"	2.5"	IV
Bale Arms	11,000	30"	29"-103"		3,910	12.8"		11.2"				

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Notes:

- Two hydraulic functions required.
- Consult Bolzoni Auramo for hydraulic pressure and flow rate recommendations.
- Standard contact pads: cast pad with high-friction surface.
- B-Series: aluminium-profile frame.
- BA-Series: steel-profile frame, strong T-profile arm carriers.
- ① Consult Bolzoni Auramo.

Options:

- Special roll ranges.
- Independent arm movement.
- Full-length contact pads.
- Other bale arm sizes.
- Forks.
- Contact pad options:
 - steel-sprayed
 - polyurethane-faced
 - rubber faced.

Invented by Bolzoni Auramo - and now completely re-designed: the new generation of Bolzoni Auramo's CTX series intelligent clamps combines more than 20 year intelligent clamp experience with the latest paper handling technology.

The CTX-G3 intelligent clamps use the latest microprocessor technology to control the clamp operation.



The CTX G3 series paper roll clamps enable safe, non-damaging and effective paper roll handling – also with sensitive paper grades.



Plus:

- Automatic clamping force control.
- Minimized clamping force, regardless of paper roll size, weight, wrapper properties or handling conditions.
- Eliminates the risk of out-of-round paper rolls.
- Collects handling data in a history file.
- Has user-friendly visual display unit.
- Modular design fits to different lift truck and application requirements.
- Easier and faster to install.
- Can be directly connected to CAN-bus compatible lift trucks.
- Can be directly connected to paper roll identification systems.

Notes:

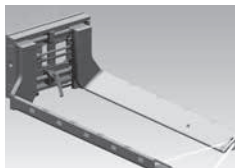
The CTX control technology is available for most of the Bolzoni Auramo pivot-arm paper roll clamp models. Multiple-arm intelligent clamp applications are possible as well (for example: A and LA series clamps).



Bolzon Auramo is the paper handling specialist. Enclosed photos show just some examples of custom-made equipment previously delivered for more effective paper handling. Contact your nearest Bolzon Auramo representative for further information about our specialized paper handling products.

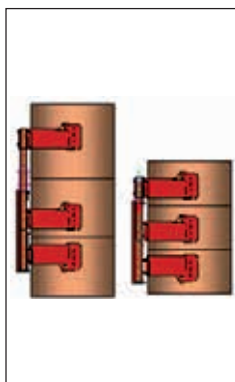
Roll clamps designed for AGV (Automatic Guide System) applications

- In close cooperation with the customers we have built up an experience in efficient material handling with AGVs.



Series A-N-3V paper roll clamp with hydraulically adjustable upper frame height

- Safe and effective handling of 1 – 3 paper rolls with varying paper roll and roll stack heights.



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Series LA-E paper roll clamp with hydraulically adjustable frame width

- Optimized frame width and arm position with varying paper roll diameters.



Bolzoni Auramo offers a wide variety of products and accessories for safer and non-damaging paper roll handling. We also offer products and services for quality control of the paper transport chain.

Paper roll clamp pressure selection valves and pressure indication lights for easy clamping force control. The Pressure-control lights.



Chain slack prevention valve for reduction of paper roll damage.



Clamping force testing devices for testing and adjusting the paper roll clamp operation. The Test Pad.



Heavy-duty clamping force measuring device: The Test Stand.



Paper roll measuring devices for transport and handling quality control. The Spider.



Contact Bolzoni Auramo for Handling Manuals and User Training. Product and operational Trainings can be carried out at your side by our specialized personnel.



Protective devices for in-house paper roll damage prevention. The Roll and Corner Guards.



Swing Frame Paper Roll Clamps

The new Bolzoni Auramo swing frame paper roll clamp range has been designed and developed starting from our long experience on rotating paper roll clamps. The swing movement grants an effective and optimized roll handling also in confined spaces.

The swing frame function is able to produce a smooth movement ± 5 -degrees left and right, in order to give exact position to the paper roll.



Equipped with a single-stage rotation unit, with robust and well-proven 360-degree rotation, this paper roll clamp has an heavy-duty clamp body and arm design, with built-in swing frame.

The range has now two basic capacity classes, which are available with standard roll ranges 51", 55", 60", 63". Special opening ranges are available on request.

AMCS-77: Capacity 7,700 lbs @ 30" load center

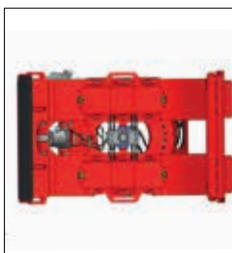
AMCS-90: Capacity 9,000 lbs @ 30" load center



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Main technical features:

- Heavy-duty clamp body and arm design, including built-in swing frame – effective and optimized roll handling also in confined spaces.
- Slim and thin arms, with smooth finish prevent roll damage.
- Well-proven 360 degree single-stage rotation unit.
- Robust, swing frame function with smooth movement ± 5 degrees left and right to give exact position of paper roll.
- Wide range of contact pads options is available.
- Minimized weight, ET and HCG for high residual capacity.



The new Bolzoni Auramo Force-Matic generation 4, is an innovative, fully automatic mechanical, pressure control system designed specifically for clamp equipped forklifts. Mainly is Force-Matic an effective system designed to prevent over clamping when handling paper rolls but can also be used with other clamps.

Force-Matic optimizes clamping force with preset clamping factor by adjusting the clamping force according to the load weight. The valve works basically as a mechanical calculator which continuously adjusts the clamping pressure as a function of load weight.

Installation and adjustments are quite straightforward and can be done using normal tools.

Force-Matic main features:

- Effective pressure control device.
- Prevent paper roll deformation by adjusting the clamping pressure according to the roll's weight.
- Fully mechanical, no electrical connections required.
- Fully enclosed.
- Heavy duty aluminum construction.
- Built around standard hydraulic components for easy service.
- Wide adjustability range to be used to most truck-clamp combinations.
- Can be installed on Bolzoni Auramo clamps (Consult Bolzoni Auramo for information).
- Easy installation.
- Minimum maintenance.



Unique with Force-Matic is that it works with two separate hydraulic circuits.

- Circuit 1 measures hydraulic force in lift mast cylinder and calculates roll weight.
- Circuit 2 regulates clamping force automatically with input from circuit 1.

These two hydraulic circuits are connected mechanically with link shown in picture on the right. This link can be adjusted to give the right balance between load weight and optimal clamping force.

With two separate hydraulic circuits Force-Matic will be able to have a wide operation range. From low initial clamping force up to max required clamping force with high stability. In addition this new system gives good speed of operation of the paper roll clamp.

Our goal is to have a clamp fitted with Force-Matic which shall be operator friendly and operate like standard clamp!



Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Rotator		
	Minumum GPM	Recommended GPM	Maximum GPM	Minumum GPM	Recommended GPM	Maximum GPM
AMR-40... AMR-45	8	9	11	5	9	11
AMC-48P/PS	5	7	8	7	8	9
AMC-55P/PS	7	8	9	7	8	9
AMC-60P/PS	7	8	9	7	8	9
AMC-66P/PS	8	11	13	9	12	15
AMC-74P/PS	8	11	13	9	12	15
AMC-84P/PS	11	13	16	11	13	16
AMC-90P/PS	11	13	16	11	13	16
AMC-120P/PS	12	16	20	11	13	16
ARC-48P/PS	8	9	11	5	8	11
ARC-55P/PS	8	9	11	5	8	11
ARC-60P/PS	11	12	13	5	8	11
ARC-66P/PS	11	12	13	5	8	11
ARC-74P/PS	11	12	13	5	11	13
ARC-84P/PS	11	12	13	5	11	13
ARC-90P/PS	11	13	16	11	13	16
ARC-100P/PS	13	16	18	13	16	18
ARC-120P/PS	13	16	18	13	16	18
ARC-130P/PS	13	16	18	13	16	18
RA-280-NL(J)... RA-450-N(J)	11	13	16	11	13	16
RA-380-NL(J)... RA-650-N(J)	13	16	18	13	16	18
RA-600-NL(J)... RA-700-N(J)	18	21	24	18	21	24
RA-350-NJ-3... RA-450-NJ-3	13	16	18	13	16	18
RA-550-NJ-3... RA-600-NJ-3	18	21	24	18	21	24
RA-580-NJ-4... RA-600-NJ-4	13	16	18	13	16	18
RA-700-NJ-4... RA-800-NJ-4	18	21	24	18	21	24
ARC-PT... RA-XXXNT	X	X	X	X	X	X
CTXR-XX	X	X	X	X	X	X
TA-XXX-XX, TAR-XXX-XX	X	X	X	X	X	X
A-XXX-XX, A-XXX-XX-3	X	X	X	-	-	-
LA-XXX-4, LA-XXX-6	X	X	X	-	-	-
B-3X0-XX	13	15	16	-	-	-
B-400-XX	13	15	16	-	-	-
BA-50-XX	16	18	21	-	-	-

Notes:

X = Consult Bolzoni for specifications.

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Rotation Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
AMR-40... AMR-45	X	2,300	1,400	1,700	2
AMC-48P/PS	2,180	2,470	1,890	2,470	2
AMC-55P/PS	2,180	2,470	1,890	2,470	2
AMC-60P/PS	2,180	2,470	1,890	2,470	2
AMC-66P/PS	2,180	2,470	1,890	2,470	2
AMC-74P/PS	2,180	2,470	1,890	2,470	2
AMC-84P/PS	2,180	2,470	1,890	2,470	2
AMC-90P/PS	2,180	2,470	1,890	2,470	2
AMC-120P/PS	2,180	2,470	1,890	2,470	2
ARC-48P/PS	X	2,300	1,400	2,300	2
ARC-55P/PS	X	2,300	1,400	2,300	2
ARC-60P/PS	X	2,300	1,400	2,300	2
ARC-66P/PS	X	2,300	1,400	2,300	2
ARC-74P/PS	X	2,300	1,400	2,300	2
ARC-84P/PS	X	2,300	1,400	2,300	2
ARC-90P/PS	X	2,300	1,400	2,300	2
ARC-100P/PS	X	2,300	1,400	2,300	2
ARC-120P/PS	X	2,300	1,400	2,300	2
ARC-130P/PS	X	2,300	1,400	2,300	2
RA-280-NL(J)... RA-450-N(J)	X	2,300	1,400	2,300	2
RA-380-NL(J)... RA-650-N(J)	X	2,300	1,400	2,300	2
RA-600-NL(J)... RA-700-N(J)	X	2,300	1,400	2,300	2
RA-350-NJ-3... RA-450-NJ-3	X	2,300	1,400	2,300	2
RA-550-NJ-3... RA-600-NJ-3	X	2,300	1,400	2,300	2
RA-580-NJ-4... RA-600-NJ-4	X	1,700	1,400	2,300	2
RA-700-NJ-4... RA-800-NJ-4	X	2,300	1,400	2,300	2
ARC-PT... RA-XXXNT	X	X	X	X	2
CTXR-XX	X	X	X	X	2
TA-XXX-XX, TAR-XXX-XX	X	X	X	X	2/3
A-XXX-XX, A-XXX-XX-3	X	-	-	-	1
LA-XXX-4, LA-XXX-6	X	-	-	-	1/2
B-3X0-XX	X	2,300	-	-	2
B-400-XX	X	2,300	-	-	2
BA-50-XX	X	2,300	-	-	2

Notes:

X = Consult Bolzoni for specifications.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Standard mountings

The standard mounting for all Bolzoni Auramo attachments is an ITA II / III / IV mounting. See also specification pages. Standard mounting angle is 0° (exception AM-Series, 1.5°).

Mounting options

Non-standard or special mountings are not included in the attachment price. Please note that special mountings are not available for all clamp series. Consult Bolzoni Auramo.

All mounting prices are add-on prices.

For non-standard mounting, detailed information is required from customer.

Quick-Change ITA Mountings

Lower mounting hooks can be opened by hand.

Model

Class II

Class III

Class IV

Wheel loader mountings

Mounting adapters for Wheel loader use.

Not available for all clamp series. Please, consult Bolzoni Auramo.

Model

on request

Spacer

A spacer is a fixed load extender that is attached between the clamp and the lift truck carriage. Several models with different extensions and capacities are available.

Model

on request

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Pin-Type Mounting

Not available for all clamp series. Please, consult Bolzoni Auramo.

Model

Lift truck capacity

on request

fino a 15,000 Lbs.

on request

oltre 15,000 Lbs.

Integral mounting

Not available for all clamp series. Please, consult Bolzoni Auramo.

Model

on request

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Hydraulic Options

Installation kit

For two hydraulic functions (standard fittings)

An installation kit for two hydraulic functions contains 4 hoses with standard fittings. Length of the hoses is 24". Other hose sizes and lengths are available on request.

Number

6 HK
6 HK-QC with quick cplg
8 HK
8 HK-QC with quick cplg

Quick Hydraulic Fittings

Number

QD-0606-1HF
QD-0606-2HF

Four-stage pressure-relief valve (manually controlled)

Manually controlled four-stage pressure relief valve. Specially recommended to be used in combination with paper roll clamps. Adjustable pressure settings. Consult Bolzoni for technical specifications.

Number Oil flow range

401925-SA	0 - 25 GPM
401960-SA	0 - 60 GPM

Four-stage pressure-relief valve with 360 degree, 4-level electric light tower and gauge (manually controlled valve)

Number Oil flow range

401925-ME	0 - 25 GPM
401960-ME	0 - 60 GPM

Four-stage pressure-relief valve (electrically controlled)

Electrically controlled four-stage pressure relief valve. Easy clamping pressure selection from the lift truck cabin. Specially recommended to be used in combination with paper roll clamps. Adjustable pressure setting.

Number Oil flow range Voltage

426778.12	3 - 30 GPM	12 Volt DC
426778.24	3 - 30 GPM	24 Volt DC
426779.12	3 - 60 GPM	12 Volt DC
426779.24	3 - 60 GPM	24 Volt DC

Pressure-control lights

To be used in combination with electrically controlled four-stage pressure relief valve. Lights in the light tower indicate the selected pressure setting.

Number Operation voltage

420565.12	12 Volt DC
420565.24	24 Volt DC

Pressure-relief valve

Limits the rotation pressure of 180-degree rotating paper roll clamps.

Suitable for following clamp models: RA-N / RA-NJ / CTXR / TRA-N / TRA-NJ (one function).

Number

401900-PR

Chain slack prevention valve

The chain slack prevention valve reduces paper roll damage by stopping the downwards lift mast movement immediately when the load is lowered down. Extra slack in the mast chains will not cause the paper roll clamp to drop downwards when the clamp arms are opened.

Number Oil flow range

CSPV05	3 - 40 GPM
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Hydraulic Pressure Relief & Flow Control Valve

Valve regulates oil flow to provide required flow for an attachment and reduces heat and pressure build-up. Pressure relief is adjustable from 1,000 PSI to 3,000 PSI. Valve regulates one hydraulic function and is bi-directional. Part number "LP-KIT" Tank Line Oil Return Kit must be installed when using this valve. Maximum inlet oil flow 30 GPM.

Number Required flow

401907-PF	7 GPM
401914-PF	14 GPM
401907-2PF	7 GPM
401914-2PF	14 GPM

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Tank Line Oil Return Kit

Kit allows easy connection for returning oil flow to existing truck L-P. Tank line hose. Use with 4 position Pressure regulator valves and Pressure relief and Flow control valves.

Number	Tank line size
LP-KIT	1.00" I.D.
LP-KIT 1.25"	1.25" I.D.

Solenoid valve (2 functions)

12 / 24 VDC (without cable reel, cable and operator control knob). Specify voltage.

Number
401915-2F

Control knob

Number
KIT-U2-094

Pressure Gauge

Number
ST-005

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Clamp Lock Valve

The Clamp lock valve is a specialized safety device which prevents unintentional opening of lift truck clamp attachment. Clamp attachment can be opened only when operation switch of the Clamp lock valve is activated at the same time when lift truck operator activates the lift truck's clamp open lever. Delivery includes valve, electric connection unit, electric cables and operation switch. Consult Bolzoni for technical specifications and pricing. Optional indicator light is available on request.

Modello	Oil flow range	Voltage
CLSV-1	10 – 40 l/min	12/24/48 VDC
CLSV-2	30 – 70 l/min	12/24/48 VDC
CLSV-3	60 – 150 l/min	12/24/48 VDC

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Contact pads are the most important part of the clamp attachment. In most normal handling situations, the pads are the only parts of the clamp which actually are in contact with the paper roll. Therefore, Bolzoni has paid special attention in designing and manufacturing contact pads which will ensure a safe and non-damaging roll handling.

All Bolzoni Auramo contact pads have the following properties in common:

- Thin pad design. The minimized pad thickness ensures good knifing properties when handling tightly stacked rolls.
- Smooth pad profile and safe finish. The pads have no protruding parts or edges to damage the adjacent paper rolls.

Cast Pads

The cast contact pads are the standard pads of several Bolzoni Auramo roll clamp models. Cast pads are good all-round pads that are at their best with softer paper grades.



Steel-Sprayed Pads

The steel-sprayed contact pads are available as optional pads for all Bolzoni Auramo roll clamp attachments. They are also used as standard pads on some roll clamp models. See also the model specifications.

Steel-sprayed pads are good all-round pads for all paper grades.



Rubber-Faced Pads

The rubber-faced contact pads are available as optional pads for all Bolzoni Auramo roll clamp attachments. They are also used as standard pads on some roll clamp models. See also the model specifications. The upper, lower and front edges of the rubber are sunken to the pad base plate and thus the edges of the rubber are well protected against mechanical wear.

Rubber-faced pads are good all-round pads for all paper grades.



Polyurethane-Faced Pads

The polyurethane-faced contact pads are available as optional pads for many Bolzoni Auramo roll clamp attachments.

The friction surface of these pads is formed by molding liquid polyurethane solution onto the pad plate. The result is a non-marking friction surface with relatively good friction properties.



Flexible Contact Pads

A flexible contact pad can adjust into varying roll diameters. A rubber-faced stainless steel band is pressed towards the paper roll. The pad design allows the band to adjust to the roll diameter.

Tissue Paper Roll Pads

The standard contact pad for tissue roll clamps is an oversized rubberfaced pad. The tissue pads can also be delivered without any friction surface. If the paper roll is very soft, the upper and lower edges of the tissue pads can optionally be strongly chamfered in order to prevent the pad edges from cutting into the paper roll. Special pad sizes are available on request.

Special Contact Pads

Bolzoni Auramo manufactures a great variety of different contact pads. Special pad models and friction surfaces are available on request.

Contact Pads - Prices

All contact pad prices are add-on prices and are valid only with the original factory delivery of the clamp attachment. A detailed technical description is required from the customer for special or modified contact pads.

Optional contact pad friction surfaces:

For standard rotating and non-rotating paper roll clamps. Please note that the prices are not valid for multi-roll paper roll clamps (Series LA-4, LA-6 clamps). Consult Bolzoni Auramo for further info and pricing regarding these models.

Number

Steel-Sprayed

Rubber-Faced

- Smooth surface, black rubber

- Waffle surface, black rubber

- Waffle surface, white rubber

Polyurethane-Faced, hard thin blue

Polyurethane-Faced, soft yellow

Polyurethane-Faced, soft yellow, grooved

Tear plate (steel)

Special Pad Surfaces

▶ Working Factors

ROLL OF

☐ Kraft Paper

☐ Newspaper

☐ Tissue

☐ LWC (light weight coated)

☐ Carton

☐ Other

TOTAL LOAD DIMENSION

Quantity of Rolls

Diameters D

in

H

in

Total load weight

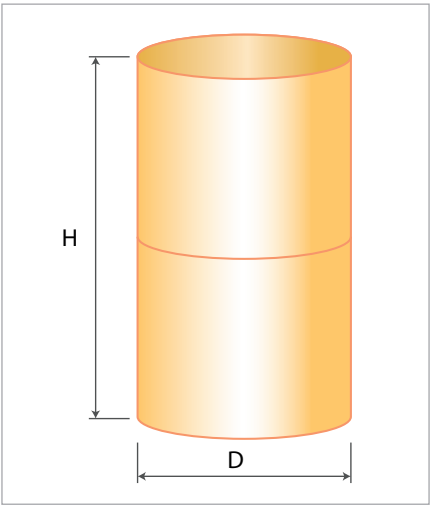
lb

Position

Shifts per day

Condition of use

Required quantity



▶ Forklift Info

Brand

Model

Capacity (lb)

Hooking Type

▶ Customer Info

Name

Phone

Email

State

▶ Notes



Pulp Bale Clamps

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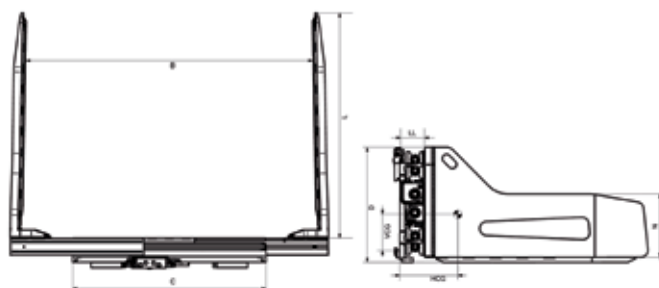
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Range: 3,500 - 8,800 Lbs.

Features:

- Specifically designed for handling pulp bales.
- Strong double T-profile frame.
- Robust arm profile with thin design.
- Excellent visibility.
- Gripping rods inside the arms.
- Wear bars under bale arms and frame for better protection and easy replacement.
- Integral sideshift to best position the load.



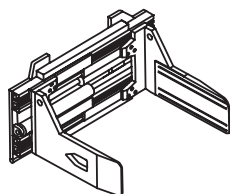
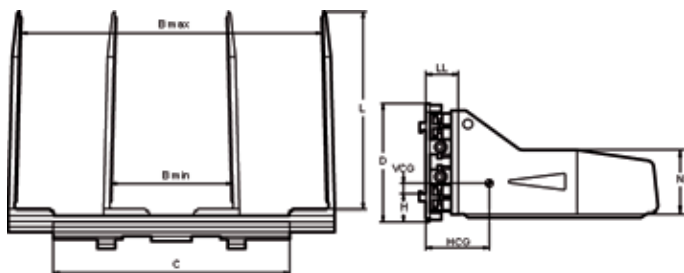
Model	Code	Capacity Lbs. @ 24"	Opening Range at arm tip			Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Class
		Q	B min	B max	L	N	C	FL	D	W	HCG	VCG	LL		
B-35P 10A	64-197	3,500	23.9"	76.2"	39.4"	15.7"	38.2"	27.2"	24.4"	818	10.9"	11.1"	4.8"	II	
B-35P 12A	64-197	3,500	23.6"	76.0"	47.2"	15.7"	38.2"	27.2"	24.4"	877	13.3"	10.9"	4.8"	II	
B-35P 16A	64-197	3,500	23.1"	75.4"	63.0"	15.7"	38.2"	27.2"	24.4"	1,036	18.5"	10.6"	4.8"	II	
B-50P 10A	50-185	5,000	18.3"	71.5"	39.4"	17.7"	46.5"	33.1"	27.9"	1,316	8.6"	9.4"	5.6"	II	
B-50P 12A	50-185	5,000	18.1"	71.2"	47.2"	17.7"	46.5"	33.1"	27.9"	1,409	10.3"	9.6"	5.6"	II	
B-50P 10A	53-198	5,000	19.5"	76.6"	39.4"	17.7"	49.2"	33.1"	27.9"	1,413	9.3"	9.3"	5.6"	II	
B-50P 12A	53-198	5,000	19.3"	76.3"	47.2"	17.7"	49.2"	33.1"	27.9"	1,506	11.0"	9.2"	5.6"	II	
B-50P 10A	59-213	5,000	21.9"	82.5"	39.4"	17.7"	50.4"	33.1"	27.9"	1,424	9.3"	9.3"	5.6"	II	
B-50P 12A	59-213	5,000	21.6"	82.3"	47.2"	17.7"	50.4"	33.1"	27.9"	1,519	11.0"	9.2"	5.6"	II	
B-50P 10A	63-187	5,000	24.8"	73.6"	39.4"	17.7"	40.2"	33.1"	27.9"	1,402	10.8"	9.4"	5.6"	II	
B-50P 12A	63-187	5,000	24.8"	73.6"	47.2"	17.7"	40.2"	33.1"	27.9"	1,505	12.9"	9.3"	5.6"	II	
B-50P 10B	63-187	5,000	24.8"	73.6"	39.4"	17.7"	40.2"	38.5"	27.9"	1,455	12.3"	9.4"	7.2"	III	
B-50P 12B	63-187	5,000	24.8"	73.6"	47.2"	17.7"	40.2"	38.5"	27.9"	1,560	14.4"	9.3"	7.2"	III	
B-72P 10B	53-198	7,200	19.5"	76.6"	39.4"	17.7"	49.2"	36.6"	32.2"	1,903	10.5"	10.8"	6.7"	III	
B-72P 12B	53-198	7,200	19.3"	76.3"	47.2"	17.7"	49.2"	36.6"	32.2"	2,011	12.4"	10.6"	6.7"	III	
B-72P 10B	59-213	7,200	21.9"	82.5"	39.4"	17.7"	50.4"	36.6"	32.2"	1,909	10.5"	10.8"	6.7"	III	
B-72P 12B	59-213	7,200	21.6"	82.3"	47.2"	17.7"	50.4"	36.6"	32.2"	2,019	12.4"	10.6"	6.7"	III	
B-72P 10B	65-213	7,200	25.6"	83.9"	39.4"	17.7"	48.8"	36.6"	32.2"	1,858	10.3"	11.0"	6.7"	III	
B-72P 12B	65-213	7,200	25.6"	83.9"	47.2"	17.7"	48.8"	36.6"	32.2"	1,973	12.3"	10.7"	6.7"	III	
B-72P 10B	60-237	7,200	22.3"	92.0"	39.4"	17.7"	59.1"	43.9"	32.2"	1,967	11.2"	11.3"	6.7"	III	
B-72P 12B	60-237	7,200	22.0"	91.7"	47.2"	17.7"	59.1"	43.9"	32.2"	2,116	12.6"	10.5"	6.7"	III	
B-72P 15B	60-237	7,200	21.6"	91.3"	59.1"	17.7"	59.1"	43.9"	32.2"	2,403	16.0"	10.3"	6.7"	III	
B-88P 12C	62-247	8,800	24.4"	97.2"	47.2"	17.7"	65.3"	51.1"	32.4"	2,804	17.0"	11.1"	6.7"	IV	

Notes:

- Two hydraulic functions required.
- Pressure relief valve on clamping and sideshifting.
- Check valve.
- Integral sideshift.
- Special arms configuration for handling inside container and rail box.
(Except models B-35P)

Options:

- Special openings.
- Pressure gauge.
- Load backrest.
- Arms of various dimensions.
- Colorless arm finish.
- Front protection shield.
- Dual mounting available.
- No sideshift deduct
- Class IV conversion for model B-72.....



Range: 8,800 Lbs.

Features:

- Bale clamp for handling pulp bales.
- Aluminium profile frame, strong T-profile arm carriers.
- Bolted pulp bale arms.
- Left arm pivoted.
- Slim and strong arm design ensures easy knifing and tight stacking.
- Built-in integral sideshift improves positioning.

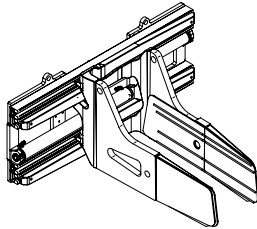
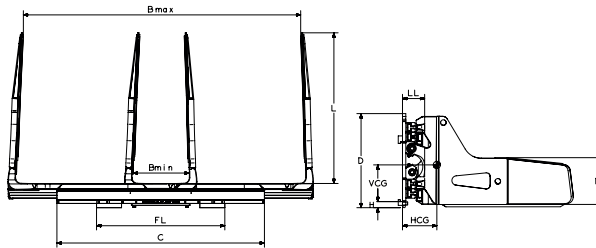
Model	Code	Capacity Lbs.	Load Center	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B	L	N	C	FL	D	W	HCG	VCG	LL	H	
B-400P 12C	62-217	8,800	31"	24.4"-85.4"	47.2"	17.5"	55.1"	49.2"	32.5"	2,440	12.6"	x	9.3"	2.9"	III/IV
B-400P 14C	62-215	8,800	31"	24.4"-84.6"	55.1"	17.5"	55.1"	49.2"	32.5"	2,570	14.3"	x	9.3"	2.9"	III/IV
B-400P 16C	62-214	8,800	31"	24.4"-84.3"	63.0"	17.5"	55.1"	49.2"	32.5"	2,700	15.9"	x	9.3"	2.9"	III/IV
B-400P 12C	72-237	8,800	31"	28.3"-93.3"	47.2"	17.5"	55.1"	49.2"	32.5"	2,490	12.4"	x	9.3"	2.9"	III/IV
B-400P 14C	72-235	8,800	31"	28.3"-92.5"	55.1"	17.5"	55.1"	49.2"	32.5"	2,610	14.2"	x	9.3"	2.9"	III/IV
B-400P 16C	72-234	8,800	31"	28.3"-92.1"	63.0"	17.5"	55.1"	49.2"	32.5"	2,740	15.7"	x	9.3"	2.9"	III/IV
B-400P 12C	62-237	8,800	31"	24.4"-93.3"	47.2"	17.5"	63.0"	49.2"	32.5"	2,500	12.3"	x	9.3"	2.9"	III/IV
B-400P 14C	62-235	8,800	31"	24.4"-92.5"	55.1"	17.5"	63.0"	49.2"	32.5"	2,620	14.1"	x	9.3"	2.9"	III/IV
B-400P 16C	62-234	8,800	31"	24.4"-92.1"	63.0"	17.5"	63.0"	49.2"	32.5"	2,750	15.6"	x	9.3"	2.9"	III/IV
B-400P 12C	72-257	8,800	31"	28.3"-101.2"	47.2"	17.5"	63.0"	49.2"	32.5"	2,540	12.2"	x	9.3"	2.9"	III/IV
B-400P 14C	72-255	8,800	31"	28.3"-100.4"	55.1"	17.5"	63.0"	49.2"	32.5"	2,670	13.9"	x	9.3"	2.9"	III/IV
B-400P 16C	72-254	8,800	31"	28.3"-100.0"	63.0"	17.5"	63.0"	49.2"	32.5"	2,800	15.5"	x	9.3"	2.9"	III/IV
B-400P 12C	62-247	8,800	31"	24.4"-97.2"	47.2"	17.5"	66.9"	49.2"	32.5"	2,530	12.2"	x	9.3"	2.9"	III/IV
B-400P 14C	62-245	8,800	31"	24.4"-96.5"	55.1"	17.5"	66.9"	49.2"	32.5"	2,650	13.9"	x	9.3"	2.9"	III/IV
B-400P 16C	62-244	8,800	31"	24.4"-96.1"	63.0"	17.5"	66.9"	49.2"	32.5"	2,790	15.4"	x	9.3"	2.9"	III/IV
B-400P 12C	72-267	8,800	31"	28.3"-105.1"	47.2"	17.5"	66.9"	49.2"	32.5"	2,590	12.0"	x	9.3"	2.9"	III/IV
B-400P 14C	72-265	8,800	31"	28.3"-104.3"	55.1"	17.5"	66.9"	49.2"	32.5"	2,710	13.7"	x	9.3"	2.9"	III/IV
B-400P 16C	72-264	8,800	31"	28.3"-103.9"	63.0"	17.5"	66.9"	49.2"	32.5"	2,840	15.2"	x	9.3"	2.9"	III/IV
B-400P 12C	62-257	8,800	31"	24.4"-101.2"	47.2"	17.5"	70.9"	49.2"	32.5"	2,590	11.9"	x	9.3"	2.9"	III/IV
B-400P 14C	62-255	8,800	31"	24.4"-100.4"	55.1"	17.5"	70.9"	49.2"	32.5"	2,710	13.9"	x	9.3"	2.9"	III/IV
B-400P 16C	62-254	8,800	31"	24.4"-100.0"	63.0"	17.5"	70.9"	49.2"	32.5"	2,840	15.2"	x	9.3"	2.9"	III/IV
B-400P 12C	72-277	8,800	31"	28.3"-109.1"	47.2"	17.5"	70.9"	49.2"	32.5"	2,640	11.8"	x	9.3"	2.9"	III/IV
B-400P 14C	72-275	8,800	31"	28.3"-108.3"	55.1"	17.5"	70.9"	49.2"	32.5"	2,750	13.5"	x	9.3"	2.9"	III/IV
B-400P 16C	72-274	8,800	31"	28.3"-107.9"	63.0"	17.5"	70.9"	49.2"	32.5"	2,890	15.0"	x	9.3"	2.9"	III/IV

Notes:

- Two hydraulic functions required.
- Pressure relief valve on clamping.
- Integral sideshift.
- Arms bolted to the arm carriers.

Options:

- Special colourless pigment-free arm finish
- Special openings.
- Special arm lengths
- Arms welded to the arm carriers
- Load backrest.
- Cylinder protection.



Range: 11,000 - 14,300 Lbs.

Features:

- Slim and thin bale clamp for standard pulp bale applications
- Optimized for two-side trailer loading and unloading, and for general pulp handling applications.
- Extremely thin and light design with optimal visibility.
- Special casted arm corner piece reduces weight, thickness and provides optimal handling properties in also confined spaces.
- Steel profile frame, strong T-profile arm carriers.
- Left arm pivoted.
- Built-in integral sideshift.

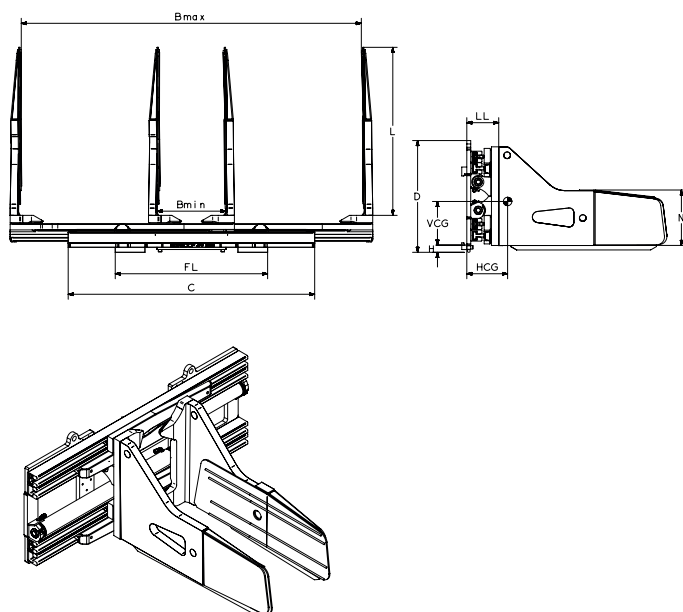
Model	Code	Capacity Lbs.	Load Center	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Height	Mounting Class	List Price
		Q	BP	B	L	N	C	FL	D	W	HCG	VCG	LL	H		U.S.A. \$
BC-110P 14D	62-237	11.000	31,5"	24.4"-93.3"	55,1"	19,3"	62,0"	55,1"	38,3"	3.108	13,7"	11,4"	7,5"	3,1"	IV	30,150
BC-110P 16D	62-234	11.000	31,5"	24.4"-92.1"	36,0"	19,3"	62,0"	55,1"	38,3"	3.219	15,5"	11,2"	7,5"	3,1"	IV	30,450
BC-110P 14D	72-257	11.000	31,5"	28.3"-101.2"	55,1"	19,3"	62,0"	55,1"	38,3"	3.131	13,6"	11,4"	7,5"	3,1"	IV	30,570
BC-110P 16D	72-254	11.000	31,5"	28.3"-100.0"	36,0"	19,3"	62,0"	55,1"	38,3"	3.219	15,2"	11,3"	7,5"	3,1"	IV	30,870
BC-110P 14D	62-257	11.000	31,5"	24.4"-101.2"	55,1"	19,3"	70,9"	55,1"	38,3"	3.285	13,0"	11,6"	7,5"	3,1"	IV	30,670
BC-110P 16D	62-254	11.000	31,5"	24.4"-100.0"	36,0"	19,3"	70,9"	55,1"	38,3"	3.417	14,6"	11,4"	7,5"	3,1"	IV	30,970
BC-110P 14D	72-277	11.000	31,5"	28.3"-109.1"	55,1"	19,3"	70,9"	55,1"	38,3"	3.307	13,0"	11,6"	7,5"	3,1"	IV	31,090
BC-110P 16D	72-274	11.000	31,5"	28.3"-107.9"	36,0"	19,3"	70,9"	55,1"	38,3"	3.417	14,6"	11,4"	7,5"	3,1"	IV	31,390
BC-120P 16DL	60-233	11.000	35,4"	23.6"-91.7"	36,0"	19,3"	62,0"	55,1"	38,3"	3.593	15,5"	15,0"	8,3"	3,1"	IV	33,590
BC-120P 18DL	60-231	11.000	35,4"	23.6"-90.9"	70,9"	19,3"	62,0"	55,1"	38,3"	3.726	17,1"	14,8"	8,3"	3,1"	IV	34,040
BC-120P 16DL	70-253	11.000	35,4"	27.6"-99.6"	36,0"	19,3"	62,0"	55,1"	38,3"	3.616	15,5"	15,0"	8,3"	3,1"	IV	34,010
BC-120P 18DL	70-251	11.000	35,4"	27.6"-98.8"	70,9"	19,3"	62,0"	55,1"	38,3"	3.726	17,1"	14,8"	8,3"	3,1"	IV	34,450
BC-120P 16DL	60-253	11.000	35,4"	23.6"-99.6"	36,0"	19,3"	70,9"	55,1"	38,3"	3.836	14,8"	15,1"	8,3"	3,1"	IV	34,200
BC-120P 18DL	60-251	11.000	35,4"	23.6"-98.8"	70,9"	19,3"	70,9"	55,1"	38,3"	3.968	16,4"	14,9"	8,3"	3,1"	IV	34,650
BC-120P 16DL	70-273	11.000	35,4"	27.6"-107.5"	36,0"	19,3"	70,9"	55,1"	38,3"	3.858	14,8"	15,1"	8,3"	3,1"	IV	34,620
BC-120P 18DL	70-271	11.000	35,4"	27.6"-106.7"	70,9"	19,3"	70,9"	55,1"	38,3"	3.990	16,3"	14,9"	8,3"	3,1"	IV	35,060
BC-140P 14D	60-295	14.300	31,5"	23.6"-116.1"	55,1"	19,3"	86,6"	55,1"	38,3"	4.145	12,6"	14,6"	8,3"	3,1"	IV	35,960
BC-140P 16D	60-292	14.300	31,5"	23.6"-115.0"	36,0"	19,3"	86,6"	55,1"	38,3"	4.277	14,0"	14,4"	8,3"	3,1"	IV	36,400
BC-140P 14D	70-315	14.300	31,5"	27.6"-124.0"	55,1"	19,3"	86,6"	55,1"	38,3"	4.167	12,6"	14,6"	8,3"	3,1"	IV	36,470
BC-140P 16D	70-312	14.300	31,5"	27.6"-122.8"	36,0"	19,3"	86,6"	55,1"	38,3"	4.299	13,9"	14,4"	8,3"	3,1"	IV	36,910
BC-140P 14D	60-315	14.300	31,5"	23.6"-124.0"	55,1"	19,3"	94,5"	74,8"	38,3"	4.277	12,4"	14,5"	8,3"	3,1"	IV	36,570
BC-140P 16D	60-312	14.300	31,5"	23.6"-122.8"	36,0"	19,3"	94,5"	74,8"	38,3"	4.409	13,7"	14,3"	8,3"	3,1"	IV	37,010
BC-140P 14D	70-335	14.300	31,5"	27.6"-131.9"	55,1"	19,3"	94,5"	74,8"	38,3"	4.299	12,3"	14,5"	8,3"	3,1"	IV	37,090
BC-140P 16D	70-332	14.300	31,5"	27.6"-130.7"	36,0"	19,3"	94,5"	74,8"	38,3"	4.431	13,7"	14,3"	8,3"	3,1"	IV	37,530

Notes:

- Two hydraulic functions.
- Standard colour: clamp body RAL3000 red, arms RAL7039 grey.
- Standard concrete steel ribs.

Options:

- Special colourless pigment-free arm finish:
- Special openings.
- Both arms non-pivoted.
- Alternative arm facings: smooth round bars, special wave rebars, dimples.
- Load backrest.
- Cylinder protection.
- Non-sideshifting versions: No add-on price



Range: 11,000 - 15,000 Lbs.

Features:

- Heavy duty clamp for pulp bale applications.
- Optimized for one-side and two-side trailer loading and unloading, conveyer feeding and other applications requiring pulp handling also at varying load centers
- Special welded arm corner and arm design is optimized for extended load centers
- Heavy duty arm and body design with optimal visibility.
- Steel profile frame, strong T-profile arm carriers.
- Left arm pivoted.
- Slim arm design.
- Built-in integral sideshift.

Model	Code	Capacity	Load Centre	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B	L	N	C	FL	D	W	HCG	VCG	LL	H	
BA-120P 14D	64-240	11.000	35,4"	25.2"-94.5"	55,1"	19,3"	63,0"	55,1"	34,0"	3.439	12,6"	15,2"	10,2"	3,1"	IV
BA-120P 16D	64-238	11.000	35,4"	25.2"-93.7"	63,0"	19,3"	63,0"	55,1"	34,0"	3.924	14,6"	14,5"	10,6"	3,1"	IV
BA-120P 18D	64-236	11.000	35,4"	25.2"-92.9"	70,9"	19,3"	63,0"	55,1"	34,0"	4.012	15,8"	13,9"	10,6"	3,1"	IV
BA-120P 14D	74-260	11.000	35,4"	29.1"-102.4"	55,1"	19,3"	63,0"	55,1"	34,0"	3.461	12,6"	15,2"	10,2"	3,1"	IV
BA-120P 16D	74-258	11.000	35,4"	29.1"-101.6"	63,0"	19,3"	63,0"	55,1"	34,0"	3.924	14,6"	14,5"	10,6"	3,1"	IV
BA-120P 18D	74-256	11.000	35,4"	29.1"-100.8"	70,9"	19,3"	63,0"	55,1"	34,0"	4.034	15,8"	13,9"	10,6"	3,1"	IV
BA-120P 14D	64-260	11.000	35,4"	25.2"-102.4"	55,1"	19,3"	70,9"	55,1"	34,0"	3.682	12,1"	15,2"	10,2"	3,1"	IV
BA-120P 16D	64-258	11.000	35,4"	25.2"-101.6"	63,0"	19,3"	70,9"	55,1"	34,0"	4.189	13,9"	14,6"	10,6"	3,1"	IV
BA-120P 18D	64-256	11.000	35,4"	25.2"-100.8"	70,9"	19,3"	70,9"	55,1"	34,0"	4.277	15,2"	14,0"	10,6"	3,1"	IV
BA-120P 14D	74-280	11.000	35,4"	29.1"-110.2"	55,1"	19,3"	70,9"	55,1"	34,0"	3.704	12,1"	15,2"	10,2"	3,1"	IV
BA-120P 16D	74-278	11.000	35,4"	29.1"-109.4"	63,0"	19,3"	70,9"	55,1"	34,0"	4.189	13,9"	14,6"	10,6"	3,1"	IV
BA-120P 18D	74-276	11.000	35,4"	29.1"-108.7"	70,9"	19,3"	70,9"	55,1"	34,0"	4.299	15,2"	14,0"	10,6"	3,1"	IV
BA-140P 14D	62-299	14.300	35,4"	24.4"-117.7"	55,1"	19,3"	86,6"	55,1"	39,3"	4.475	12,1"	14,5"	11,2"	3,1"	IV
BA-140P 16D	62-298	14.300	35,4"	24.4"-117.3"	63,0"	19,3"	86,6"	55,1"	39,3"	4.608	13,4"	14,3"	11,2"	3,1"	IV
BA-140P 18D	62-296	14.300	35,4"	24.4"-112.6"	70,9"	19,3"	86,6"	55,1"	39,3"	5.335	15,0"	15,0"	12,0"	3,1"	IV
BA-140P 14D	72-319	14.300	35,4"	28.3"-125.6"	55,1"	19,3"	86,6"	55,1"	39,3"	4.475	12,1"	14,5"	11,2"	3,1"	IV

Model	Code	Capacity	Load Centre	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight	Horizontal Centre of Gravity	Vertical Centre of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B	L	N	C	FL	D	W	HCG	VCG	LL	H	
BA-140P 16D	72-318	14.300	35,4"	28.3"-125.2"	63,0"	19,3"	86,6"	55,1"	39,3"	4.608	13,4"	14,3"	11,2"	3,1"	IV
BA-140P 18D	72-316	14.300	35,4"	28.3"-124.4"	70,9"	19,3"	86,6"	55,1"	39,3"	5.357	15,0"	15,1"	12,0"	3,1"	IV
BA-140P 14D	62-319	14.300	35,4"	24.4"-125.6"	55,1"	19,3"	94,5"	74,8"	39,3"	4.586	12,0"	14,4"	11,2"	3,1"	IV
BA-140P 16D	62-317	14.300	35,4"	24.4"-124.8"	63,0"	19,3"	94,5"	74,8"	39,3"	4.718	13,3"	14,2"	11,2"	3,1"	IV
BA-140P 18D	62-316	14.300	35,4"	24.4"-124.4"	70,9"	19,3"	94,5"	74,8"	39,3"	5.511	14,4"	15,1"	12,0"	3,1"	IV
BA-140P 14D	72-339	14.300	35,4"	28.3"-133.5"	55,1"	19,3"	94,5"	74,8"	39,3"	4.586	12,0"	14,4"	11,2"	3,1"	IV
BA-140P 16D	72-337	14.300	35,4"	28.3"-132.7"	63,0"	19,3"	94,5"	74,8"	39,3"	4.718	13,3"	14,2"	11,2"	3,1"	IV
BA-140P 18D	72-336	14.300	35,4"	28.3"-132.3"	70,9"	19,3"	94,5"	74,8"	39,3"	5.511	14,4"	15,1"	12,0"	3,1"	IV
BA-150P 14C	62-299	15.000	35,4"	24.4"-117.7"	55,1"	19,3"	86,6"	55,1"	39,3"	5.269	11,9"	15,6"	12,0"	2,6"	IV
BA-150P 16C	62-298	15.000	35,4"	24.4"-117.3"	63,0"	19,3"	86,6"	55,1"	39,3"	5.423	13,2"	15,4"	12,0"	2,6"	IV
BA-150P 18C	62-296	15.000	35,4"	24.4"-116.5"	70,9"	19,3"	86,6"	55,1"	39,3"	5.556	14,5"	15,2"	12,0"	2,6"	IV
BA-150P 14C	72-319	15.000	35,4"	28.3"-125.6"	55,1"	19,3"	86,6"	55,1"	39,3"	5.269	11,9"	15,6"	12,0"	2,6"	IV
BA-150P 16C	72-318	15.000	35,4"	28.3"-125.2"	63,0"	19,3"	86,6"	55,1"	39,3"	5.423	13,2"	15,4"	12,0"	2,6"	IV
BA-150P 18C	72-316	15.000	35,4"	28.3"-124.4"	70,9"	19,3"	86,6"	55,1"	39,3"	5.578	14,4"	15,2"	12,0"	2,6"	IV
BA-150P 14C	62-319	15.000	35,4"	24.4"-125.6"	55,1"	19,3"	94,5"	74,8"	39,3"	5.423	11,4"	15,6"	12,0"	2,6"	IV
BA-150P 16C	62-317	15.000	35,4"	24.4"-124.8"	63,0"	19,3"	94,5"	74,8"	39,3"	5.578	12,6"	15,4"	12,0"	2,6"	IV
BA-150P 18C	62-316	15.000	35,4"	24.4"-124.4"	70,9"	19,3"	94,5"	74,8"	39,3"	5.732	13,9"	15,2"	12,0"	2,6"	IV
BA-150P 14C	72-339	15.000	35,4"	28.3"-133.5"	55,1"	19,3"	94,5"	74,8"	39,3"	5.445	11,4"	15,6"	12,0"	2,6"	IV
BA-150P 16C	72-337	15.000	35,4"	28.3"-132.7"	63,0"	19,3"	94,5"	74,8"	39,3"	5.578	12,6"	15,4"	12,0"	2,6"	IV
BA-150P 18C	72-336	15.000	35,4"	28.3"-132.3"	70,9"	19,3"	94,5"	74,8"	39,3"	5.732	13,9"	15,3"	12,0"	2,6"	IV

Notes:

- Two hydraulic functions.
- Standard colour: clamp body RAL3000 red, arms RAL7039 grey.
- Standard concrete steel ribs.

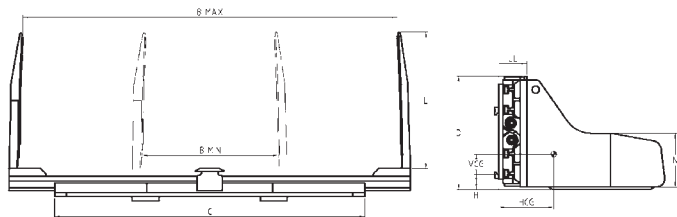
Options:

- Special colourless pigment-free arm finish.....
- Special openings.
- Both arms non-pivoted.
- Alternative arm facings: smooth round bars, special wave rebars, dimples.
- Load backrest.
- Cylinder protection.
- Non-sideshifting versions: No add-on price

Range: 22,000 Lbs.

Features:

- Heavy-duty pulp bale clamp for handling of 4 units.
- Steel profile frame with strong "T" profile arm carrier.
- Colorless arms welded directly to the arm carriers. Left arm pivoted.
- Slim and strong arm design ensures easy knifing and tight stacking.
- Built-in integral sideshift improves positioning.



Model	Code	Capacity Lbs.	Load Center	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B	L	N	C	FL	D	W(1)	HCG(1)	LL(1)	H	
BA-220P 14	73-326	22,000	31.5"	28.7"-128.3"	55.1"	21.7"	95.3"	(1)	44.3"	7,270	13.0"	12.6"	(1)	(1)
BA-220P 16	73-326	22,000	31.5"	28.7"-128.3"	63.0"	21.7"	95.3"	(1)	44.3"	7,600	14.6"	12.6"	(1)	(1)
BA-220P 14	73-346	22,000	31.5"	28.7"-136.2"	55.1"	21.7"	103.1"	(1)	44.3"	7,710	12.6"	12.6"	(1)	(1)
BA-220P 16	73-346	22,000	31.5"	28.7"-136.2"	63.0"	21.7"	103.1"	(1)	44.3"	8,040	14.2"	12.6"	(1)	(1)
BA-220P 14	73-366	22,000	31.5"	28.7"-144.1"	55.1"	21.7"	111.0"	(1)	44.3"	7,930	12.2"	12.6"	(1)	(1)
BA-220P 16	73-366	22,000	31.5"	28.7"-144.1"	63.0"	21.7"	111.0"	(1)	44.3"	8,260	13.8"	12.6"	(1)	(1)
BA-220P 14	73-386	22,000	31.5"	28.7"-152.0"	55.1"	21.7"	118.9"	(1)	44.3"	8,150	12.2"	12.6"	(1)	(1)
BA-220P 16	73-386	22,000	31.5"	28.7"-152.0"	63.0"	21.7"	118.9"	(1)	44.3"	8,480	13.4"	12.6"	(1)	(1)
BA-220P 14	73-406	22,000	31.5"	28.7"-159.8"	55.1"	21.7"	126.8"	(1)	44.3"	8,370	11.8"	12.6"	(1)	(1)
BA-220P 16	73-406	22,000	31.5"	28.7"-159.8"	63.0"	21.7"	126.8"	(1)	44.3"	8,700	13.4"	12.6"	(1)	(1)

Notes:

- Two hydraulic functions required.
- ① Consult Bolzoni Auramo regarding factory specifications for special mounting.

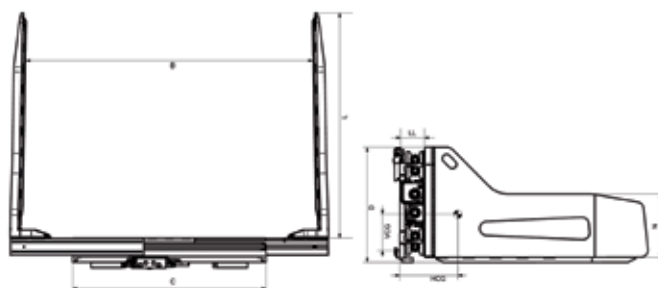
Options:

- Special opening ranges.
- Arm lenght and arm finish.
- Center arm.
- Non-pivoted left arm.
- Horizontal load bumper on sliding arms.
- Central vertical load bumper plate.

Range: 3,500 - 8,800 Lbs.

Features:

- Specifically designed to handle waste paper bales, as well as plastic and recycling materials.
- Strong double T-profile frame.
- Robust arm profile with thin design.
- Gripping steel rods inside the arms.
- Wear bars under bale arms and frame for better protection and easy replacement.
- Integral sideshift to best position the load.
- Front protection shield.



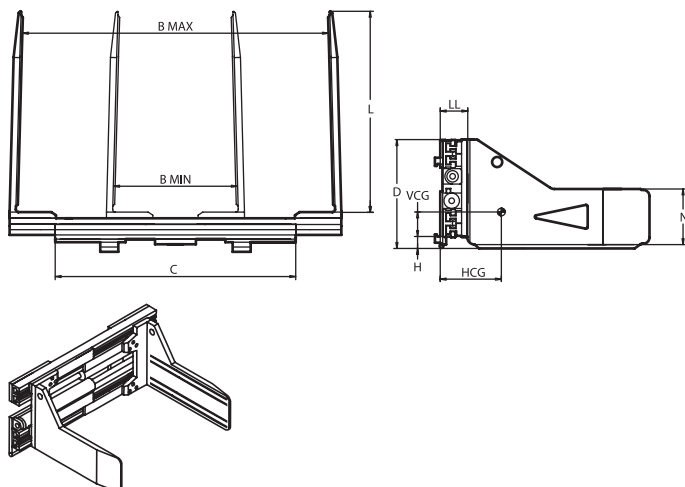
Model	Code	Capacity Lbs. @ 24"	Opening Range at arm tip		Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Class
		Q	B min	B max	L	N	C	FL	D	W	HCG	VCG	LL	
B-35W 10A	64-197	3,500	23.9"	76.2"	39.4"	15.7"	38.2"	27.2"	24.4"	858	10.6"	9.1"	4.8"	II
B-35W 12A	64-197	3,500	23.6"	76.0"	47.2"	15.7"	38.2"	27.2"	24.4"	906	13.0"	8.7"	4.8"	II
B-35W 16A	64-197	3,500	23.1"	75.4"	63.0"	15.7"	38.2"	27.2"	24.4"	1,071	18.2"	8.3"	4.8"	II
B-52W 10A	50-185	5,200	18.3"	71.5"	39.4"	17.7"	46.5"	33.1"	27.9"	1,362	8.6"	9.4"	5.2"	II
B-52W 12A	50-185	5,200	18.1"	71.2"	47.2"	17.7"	46.5"	33.1"	27.9"	1,457	10.3"	9.6"	5.2"	II
B-52W 10A	53-198	5,200	19.5"	76.6"	39.4"	17.7"	49.2"	33.1"	27.9"	1,475	9.3"	9.3"	5.2"	II
B-52W 12A	53-198	5,200	19.3"	76.3"	47.2"	17.7"	49.2"	33.1"	27.9"	1,565	11.0"	9.1"	5.2"	II
B-52W 10A	59-213	5,200	21.9"	82.5"	39.4"	17.7"	50.4"	33.1"	27.9"	1,488	9.2"	9.4"	5.2"	II
B-52W 12A	59-213	5,200	21.6"	82.3"	47.2"	17.7"	50.4"	33.1"	27.9"	1,576	11.0"	9.1"	5.2"	II
B-52W 10A	63-187	5,000	24.8"	73.6"	39.4"	17.7"	40.2"	33.1"	27.9"	1,433	10.8"	9.4"	5.6"	II
B-52W 12A	63-187	5,000	24.8"	73.6"	47.2"	17.7"	40.2"	33.1"	27.9"	1,536	12.9"	9.3"	5.6"	II
B-52W 10B	63-187	5,000	24.8"	73.6"	39.4"	17.7"	40.2"	38.5"	27.9"	1,486	12.3"	9.4"	7.2"	III
B-52W 12B	63-187	5,000	24.8"	73.6"	47.2"	17.7"	40.2"	38.5"	27.9"	1,591	14.4"	9.3"	7.2"	III
B-75W 10B	50-185	7,500	18.3"	71.5"	39.4"	17.7"	49.2"	36.6"	32.2"	1,962	10.3"	10.7"	6.7"	III
B-75W 12B	50-185	7,500	18.1"	71.2"	47.2"	17.7"	49.2"	36.6"	32.2"	1,847	12.2"	10.6"	6.7"	III
B-75W 10B	53-198	7,500	19.5"	76.6"	39.4"	17.7"	49.2"	36.6"	32.2"	1,969	10.4"	10.8"	6.7"	III
B-75W 12B	53-198	7,500	19.3"	76.3"	47.2"	17.7"	49.2"	36.6"	32.2"	2,077	12.2"	10.6"	6.7"	III
B-75W 10B	59-213	7,500	21.9"	82.5"	39.4"	17.7"	50.4"	36.6"	32.2"	1,975	10.4"	10.8"	6.7"	III
B-75W 12B	59-213	7,500	21.6"	82.3"	47.2"	17.7"	50.4"	36.6"	32.2"	2,083	12.3"	10.6"	6.7"	III
B-75W 10B	65-213	7,500	25.6"	83.9"	39.4"	17.7"	48.8"	36.6"	32.2"	1,911	10.3"	11.0"	6.7"	III
B-75W 12B	65-213	7,500	25.6"	83.9"	47.2"	17.7"	48.8"	36.6"	32.2"	2,026	12.3"	10.7"	6.7"	III
B-75W 10B	64-237	7,500	23.9"	92.0"	39.4"	17.7"	55.9"	43.9"	32.2"	1,993	9.3"	11.0"	6.7"	III
B-75W 12B	64-237	7,500	23.6"	91.7"	47.2"	17.7"	55.9"	43.9"	32.2"	2,094	11.6"	10.8"	6.7"	III
B-88W 12C	62-247	8,800	24.4"	97.2"	47.2"	17.7"	65.3"	51.1"	32.4"	2,914	17.0"	11.1"	6.7"	IV

Notes:

- Two hydraulic functions required.
- Pressure relief valve on clamping and sideshifting.
- Check valve.
- Integral sideshift.
- Special arms configuration for handling inside container and rail box.
- (Except models B-35W)

Options:

- Special openings.
- Pressure gauge.
- Load backrest.
- Arms of various dimensions.
- Colorless arm finish.
- Dual mounting available.



Range: 8,800 Lbs.

Features:

- Bale clamp for handling waste paper bales.
- Aluminium profile frame, strong T-profile arm carriers.
- Bale arms bolted to the arm carriers. Slim and strong arm design ensures easy knifing and tight stacking.
- Built-in integral sideshift improves positioning.

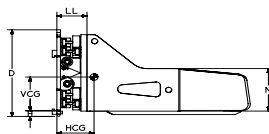
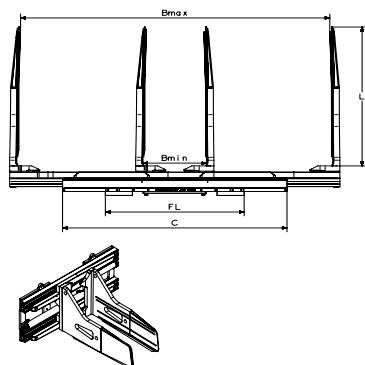
Model	Code	Capacity Lbs.	Load Center	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B	L	N	C	FL	D	W	HCG	VCG	LL	H	
B-400W 12C	61-219	8,800	31"	24.0"-86.2"	47.2"	17.5"	55.1"	49.2"	32.5"	2,260	11.0"	x	9.3"	2.9"	III / IV
B-400W 14C	61-217	8,800	31"	24.0"-85.4"	55.1"	17.5"	55.1"	49.2"	32.5"	2,380	12.6"	x	9.3"	2.9"	III / IV
B-400W 16C	61-216	8,800	31"	24.0"-85.0"	63.0"	17.5"	55.1"	49.2"	32.5"	2,510	15.5"	x	9.3"	2.9"	III / IV
B-400W 12C	71-239	8,800	31"	28.0"-94.1"	47.2"	17.5"	55.1"	49.2"	32.5"	2,300	10.9"	x	9.3"	2.9"	III / IV
B-400W 14C	71-237	8,800	31"	28.0"-93.3"	55.1"	17.5"	55.1"	49.2"	32.5"	2,420	12.5"	x	9.3"	2.9"	III / IV
B-400W 16C	71-236	8,800	31"	28.0"-92.9"	63.0"	17.5"	55.1"	49.2"	32.5"	2,560	15.4"	x	9.3"	2.9"	III / IV
B-400W 12C	61-239	8,800	31"	24.0"-94.1"	47.2"	17.5"	63.0"	49.2"	32.5"	2,310	10.7"	x	9.3"	2.9"	III / IV
B-400W 14C	61-237	8,800	31"	24.0"-93.3"	55.1"	17.5"	63.0"	49.2"	32.5"	2,420	12.4"	x	9.3"	2.9"	III / IV
B-400W 16C	61-236	8,800	31"	24.0"-92.9"	63.0"	17.5"	63.0"	49.2"	32.5"	2,570	15.2"	x	9.3"	2.9"	III / IV
B-400W 12C	71-259	8,800	31"	28.0"-102.0"	47.2"	17.5"	63.0"	49.2"	32.5"	2,360	10.6"	x	9.3"	2.9"	III / IV
B-400W 14C	71-257	8,800	31"	28.0"-101.2"	55.1"	17.5"	63.0"	49.2"	32.5"	2,470	12.2"	x	9.3"	2.9"	III / IV
B-400W 16C	71-256	8,800	31"	28.0"-100.8"	63.0"	17.5"	63.0"	49.2"	32.5"	2,610	15.0"	x	9.3"	2.9"	III / IV
B-400W 12C	61-259	8,800	31"	24.0"-102.0"	47.2"	17.5"	70.9"	49.2"	32.5"	2,400	10.4"	x	9.3"	2.9"	III / IV
B-400W 14C	61-257	8,800	31"	24.0"-101.2"	55.1"	17.5"	70.9"	49.2"	32.5"	2,510	12.0"	x	9.3"	2.9"	III / IV
B-400W 16C	61-256	8,800	31"	24.0"-100.8"	63.0"	17.5"	70.9"	49.2"	32.5"	2,670	14.7"	x	9.3"	2.9"	III / IV
B-400W 12C	71-279	8,800	31"	28.0"-109.8"	47.2"	17.5"	70.9"	49.2"	32.5"	2,440	10.3"	x	9.3"	2.9"	III / IV
B-400W 14C	71-277	8,800	31"	28.0"-109.1"	55.1"	17.5"	70.9"	49.2"	32.5"	2,570	11.9"	x	9.3"	2.9"	III / IV
B-400W 16C	71-276	8,800	31"	28.0"-108.7"	63.0"	17.5"	70.9"	49.2"	32.5"	2,710	14.6"	x	9.3"	2.9"	III / IV

Notes:

- Two hydraulic functions.

Options:

- Special opening ranges, arm lengths and arm finishes.



Range: 11,000 - 15,400 Lbs.

Features:

- Bale clamp for heavy duty waste paper bale and other recycling applications
- Arms welded directly to the arm carriers, special welded arm corner
- Heavy duty arm and body design with optimal visibility.
- Steel profile frame, strong T-profile arm carriers.
- Slim arm design.
- Built-in integral sideshift.

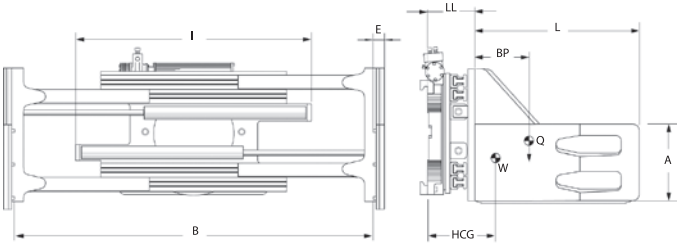
Model	Code	Capacity Lbs.	Load Center	Opening Range	Arm Length	Arm Height	Frame Width	Minimum Carriage Width	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Mounting Height	Mounting Class
		Q	BP	B min- B max	L	N	C	FL	D	W	HCG	VCG	LL	H	
BA-120W 14D	64-240	11.000	35,4"	25.2"-94.5"	55,1"	19,3"	63,0"	55,1"	34,0"	3.530	12,2"	15,2"	10,2"	3,1"	IV
BA-120W 16D	64-238	11.000	35,4"	25.2"-93.7"	63,0"	19,3"	63,0"	55,1"	34,0"	3.840	14,3"	14,7"	10,6"	3,1"	IV
BA-120W 18D	64-236	11.000	35,4"	25.2"-92.9"	70,9"	19,3"	63,0"	55,1"	34,0"	3.950	15,8"	14,4"	10,6"	3,1"	IV
BA-120W 14D	74-260	11.000	35,4"	29.1"-102.4"	55,1"	19,3"	63,0"	55,1"	34,0"	3.550	12,2"	15,2"	10,2"	3,1"	IV
BA-120W 16D	74-258	11.000	35,4"	29.1"-101.6"	63,0"	19,3"	63,0"	55,1"	34,0"	3.840	14,3"	14,7"	10,6"	3,1"	IV
BA-120W 18D	74-256	11.000	35,4"	29.1"-100.8"	70,9"	19,3"	63,0"	55,1"	34,0"	3.970	15,8"	14,5"	10,6"	3,1"	IV
BA-120W 14D	64-260	11.000	35,4"	25.2"-102.4"	55,1"	19,3"	70,9"	55,1"	34,0"	3.770	11,7"	15,2"	10,2"	3,1"	IV
BA-120W 16D	64-258	11.000	35,4"	25.2"-101.6"	63,0"	19,3"	70,9"	55,1"	34,0"	4.100	13,7"	14,8"	10,6"	3,1"	IV
BA-120W 18D	64-256	11.000	35,4"	25.2"-100.8"	70,9"	19,3"	70,9"	55,1"	34,0"	4.210	15,1"	14,6"	10,6"	3,1"	IV
BA-120W 14D	74-280	11.000	35,4"	29.1"-110.2"	55,1"	19,3"	70,9"	55,1"	34,0"	3.790	11,7"	15,2"	10,2"	3,1"	IV
BA-120W 16D	74-278	11.000	35,4"	29.1"-109.4"	63,0"	19,3"	70,9"	55,1"	34,0"	4.100	13,7"	14,8"	10,6"	3,1"	IV
BA-120W 18D	74-276	11.000	35,4"	29.1"-108.7"	70,9"	19,3"	70,9"	55,1"	34,0"	4.210	15,1"	14,6"	10,6"	3,1"	IV
BA-140W 14D	62-299	14.300	35,4"	24.4"-117.7"	55,1"	19,3"	86,6"	55,1"	39,3"	4.410	12,0"	14,6"	11,2"	3,1"	IV
BA-140W 16D	62-298	14.300	35,4"	24.4"-117.3"	63,0"	19,3"	86,6"	55,1"	39,3"	4.520	13,2"	14,4"	11,2"	3,1"	IV
BA-140W 18D	62-296	14.300	35,4"	24.4"-116.5"	70,9"	19,3"	86,6"	55,1"	39,3"	5.230	14,6"	15,2"	12,0"	3,1"	IV
BA-140W 14D	72-319	14.300	35,4"	28.3"-125.6"	55,1"	19,3"	86,6"	55,1"	39,3"	4.410	12,0"	14,6"	11,2"	3,1"	IV
BA-140W 16D	72-318	14.300	35,4"	28.3"-125.2"	63,0"	19,3"	86,6"	55,1"	39,3"	4.520	13,2"	14,4"	11,2"	3,1"	IV
BA-140W 18D	72-316	14.300	35,4"	28.3"-124.4"	70,9"	19,3"	86,6"	55,1"	39,3"	5.250	14,6"	15,2"	12,0"	3,1"	IV
BA-140W 14D	62-319	14.300	35,4"	24.4"-125.6"	55,1"	19,3"	94,5"	74,8"	39,3"	4.520	11,9"	14,5"	11,2"	3,1"	IV
BA-140W 16D	62-317	14.300	35,4"	24.4"-124.8"	63,0"	19,3"	94,5"	74,8"	39,3"	4.630	13,1"	14,3"	11,2"	3,1"	IV
BA-140W 18D	62-316	14.300	35,4"	24.4"-148.0"	70,9"	19,3"	94,5"	74,8"	39,3"	5.400	14,1"	15,2"	12,0"	3,1"	IV
BA-140W 14D	72-339	14.300	35,4"	28.3"-133.5"	55,1"	19,3"	94,5"	74,8"	39,3"	4.520	11,8"	14,5"	11,2"	3,1"	IV
BA-140W 16D	72-337	14.300	35,4"	28.3"-132.7"	63,0"	19,3"	94,5"	74,8"	39,3"	4.630	13,0"	14,3"	11,2"	3,1"	IV
BA-140W 18D	72-336	14.300	35,4"	28.3"-132.3"	70,9"	19,3"	94,5"	74,8"	39,3"	5.400	14,1"	15,2"	12,0"	3,1"	IV
BA-150W 14D	62-299	15.400	35,4"	24.4"-117.7"	55,1"	19,3"	86,6"	55,1"	39,3"	5.200	11,7"	15,7"	12,0"	2,6"	IV
BA-150W 16D	62-298	15.400	35,4"	24.4"-117.3"	63,0"	19,3"	86,6"	55,1"	39,3"	5.330	12,9"	15,5"	12,0"	2,6"	IV
BA-150W 18D	62-296	15.400	35,4"	24.4"-116.5"	70,9"	19,3"	86,6"	55,1"	39,3"	5.450	14,1"	15,3"	12,0"	2,6"	IV
BA-150W 14D	72-319	15.400	35,4"	28.3"-125.6"	55,1"	19,3"	86,6"	55,1"	39,3"	5.200	11,7"	15,7"	12,0"	2,6"	IV
BA-150W 16D	72-318	15.400	35,4"	28.3"-125.2"	63,0"	19,3"	86,6"	55,1"	39,3"	5.330	12,9"	15,5"	12,0"	2,6"	IV
BA-150W 18D	72-316	15.400	35,4"	28.3"-124.4"	70,9"	19,3"	86,6"	55,1"	39,3"	5.470	14,1"	15,3"	12,0"	2,6"	IV
BA-150W 14D	62-319	15.400	35,4"	24.4"-125.6"	55,1"	19,3"	94,5"	74,8"	39,3"	5.360	11,2"	15,7"	12,0"	2,6"	IV
BA-150W 16D	62-317	15.400	35,4"	24.4"-124.8"	63,0"	19,3"	94,5"	74,8"	39,3"	5.490	12,4"	15,5"	12,0"	2,6"	IV
BA-150W 18D	62-316	15.400	35,4"	24.4"-124.4"	70,9"	19,3"	94,5"	74,8"	39,3"	5.620	13,6"	15,3"	12,0"	2,6"	IV
BA-150W 14D	72-339	15.400	35,4"	28.3"-133.5"	55,1"	19,3"	94,5"	74,8"	39,3"	5.360	11,2"	15,7"	12,0"	2,6"	IV
BA-150W 16D	72-337	15.400	35,4"	28.3"-132.7"	63,0"	19,3"	94,5"	74,8"	39,3"	5.490	12,4"	15,5"	12,0"	2,6"	IV
BA-150W 18D	72-336	15.400	35,4"	28.3"-132.3"	70,9"	19,3"	94,5"	74,8"	39,3"	5.620	13,6"	15,4"	12,0"	2,6"	IV

Notes:

- Two hydraulic functions required.
- Pressure relief valve on clamping, opening and sideshift
- Built-in integral sideshift.

Options:

- Special openings.
- Special arm lengths
- Full material arm tip
- Arms welded to the arm carriers
- Colourless arm finish.
- Load backrest.
- Cylinder protection.



Range: 8,800 Lbs.

Features:

- The Bolzoni Auramo rotating pulp bale clamp model LG-GC class IV can safely transport various bales of cellulose pulp, cotton, wool and paper, etc. between the thin profile load arms (tight stacking possible)
- 360° continuous rotation in both directions.
- Slim arms for easy knifing between bale stacks.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.

Model	Code	Capacity Lbs.	Load Center	Frame Width	Opening Range		Arm Dimensions	Minimum Carriage Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Mounting Class
		Q	BP	I	B min	B max	A x L x E	FL	W	LL	HCG	VCG	
LG 40 6G6C	44-206	8,800	24"	59.0"	17.3"	81.1"	15.7" x 47.2" x 2.4"	39.4"	3,262	12.6"	13.4"	13.8"	IV
LG 40 6G8C	44-206	8,800	24"	59.0"	17.3"	81.1"	15.7" x 59.0" x 2.4"	39.4"	3,637	12.6"	11.0"	13.8"	IV

Notes:

- Two hydraulic functions.
- Pressure relief valve.
- Wear-plates under the arms included.
- Reinforced wide gripping rods on inner arm facing.

Options:

- Special openings.
- Arms of various dimensions.
- Various facings of inner arms.
- Separate sideshift:
ITA Class IV.....
- Quick change lower hooks.
- Pressure gauge.
- Bolt-on forks and different forks lengths.
- Solenoid valve.
- Solenoid valve control kit.
- Motor and brake protection.

Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Rotator		
	Minumum GPM	Recommended GPM	Maximum GPM	Minumum GPM	Recommended GPM	Maximum GPM
Non-rotating clamps						
B-P	8	12	16	-	-	-
B 400P	13	15	16	-	-	-
BC/BA	16	18	21	-	-	-
BA-220P	26	32	40	-	-	-
B-W	8	12	16	-	-	-
Rotating clamps						
LG 40 GC	8	10	16	9	12	14

Hydraulic functions and hydraulic pressure recommendations

Model	Clamping Pressure		Rotation Pressure		Hydraulic Functions
	Minumum MPa	Maximum MPa	Minumum MPa	Maximum MPa	
Non-rotating clamps					
B-P	725	2,320	-	-	2
B 400P	725	2,320	-	-	2
BC/BA	725	2,320	-	-	2
BA-220P	X	2,320	-	-	2
B-W	725	2,320	-	-	2
Rotating clamps					
LG 40 GC	1,450	2,180	1,890	2,470	2

Notes:

X = Consult Bolzoni Auramo for specifications.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

Separate Sideshift

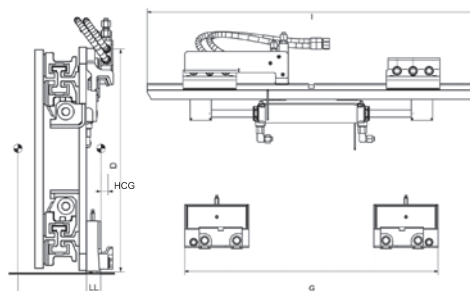
(for clamps models till B-72 only)

Separate sideshift requires a sideshift device to be mounted to the clamp body. A separate sideshifter provides a fixed amount of sideshift stroke regardless of the clamp opening. This enables faster and safer handling in confined spaces.

A Bolzoni Auramo Series AS separate sideshifting mounting replaces the standard clamp mounting hooks and can be directly bolted onto the standard series B clamps.

Series AS sideshifters are light and have a minimized effective thickness. Therefore they ensure maximum lifting capacity for the lift truck.

Sideshift stroke 8".



Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Minimum Carriage Width	Ext. Lower Hook Width	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Height
	<i>Q</i>		<i>I</i>	<i>FL</i>	<i>G</i>	<i>W</i>	<i>LL</i>	<i>HCG</i>	<i>D</i>
For Parallel Clamps									
AS 22 KXA	4,000	II	36.2"	35.2"	28.0"	60	1.3"	0.5"	22.8"
AS 28 KXB	5,000	III	38.1"	38.2"	31.0"	104	1.6"	0.5"	27.0"
AS 40 KXB	7,200	III	47.2"	47.2"	33.0"	102	1.6"	0.5"	27.3"

Model	Oil Flow Rate			Oil Pressure		Hydraulic Functions
	min. GPM	recom. GPM	max. GPM	min. PSI	max. PSI	
AS 22	1	3	4	1,700	3,100	1
AS 28-40	2	3	5	1,700	3,100	1

Notes:

One hydraulic function required.

Available also with lower quick disconnect hooks.

Note: The listed prices for options and accessories are only valid in conjunction with the order of a new attachment.

General Options

Model

Special opening ranges
Special frame widths
High capacity models
Special arm lengths
Special arm height
Special arm model
Special ribs
Dimples (Westwood-Version)
Special wear bars

Mounting Options

The standard mounting for many Bolzoni Auramo attachments is an ITA Class II / III / IV mounting. See also specification pages. Standard mounting angle is 0°.

Special mountings are not included in the attachment price. All mounting prices are add-on prices. For non-standard mounting, detailed information is required from customer.

Quick-Change ITA Lower Mounting Hooks

Model

ITA Class II / III
ITA Class IV

Pin-Type Mounting

Model

Lift truck capacity

on request	up to 15,000 Lbs.
on request	over 15,000 Lbs.

Integral mounting

Model

on request

Wheel Loader Mountings

Mounting adapters for wheel loader use.

Model

on request

Hydraulic Options

Installation kit

For two hydraulic functions (standard fittings).

An installation kit for two hydraulic functions contains 4 hoses. Length of the hoses is 24". Other hose sizes and lengths are available on request.

Number

6 HK
6 HK-QC with quick CPLG
8 HK
8 HK-QC with quick CPLG

Pressure-Relief Valve

Pressure relief valve for one hydraulic function. Choose this option if the lift truck hydraulic pressure exceeds the maximum connection pressure of the attachment. It limits hydraulic pressure in two directions.

Number

401900-PR

Flow Divider Valve for Synchronized Arm Movement

Equal arm movement during clamping or opening. Provides equal oil flow to the clamping cylinders.

Model

on request

Pressure Gauge

Model

ST-005

► Working Factors

BALES OF

☐ Paper

☐ Compressed Cellulose

☐ Textile Waste

☐ Other

☐ Soft Cellulose

SINGLE BALE DIMENSIONS

Single load width in

Single load height in

Single load length in

Single load weight lb

TOTAL LOAD DIMENSIONS

Quantity of Bales

L in

H in

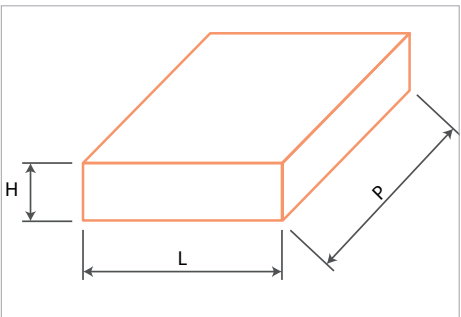
P in

Total load weight lb

Shifts per day

Condition of use

Required quantity



► Forklift Info

Brand

Model

Capacity (lb)

Hooking Type

► Customer Info

Name

Phone

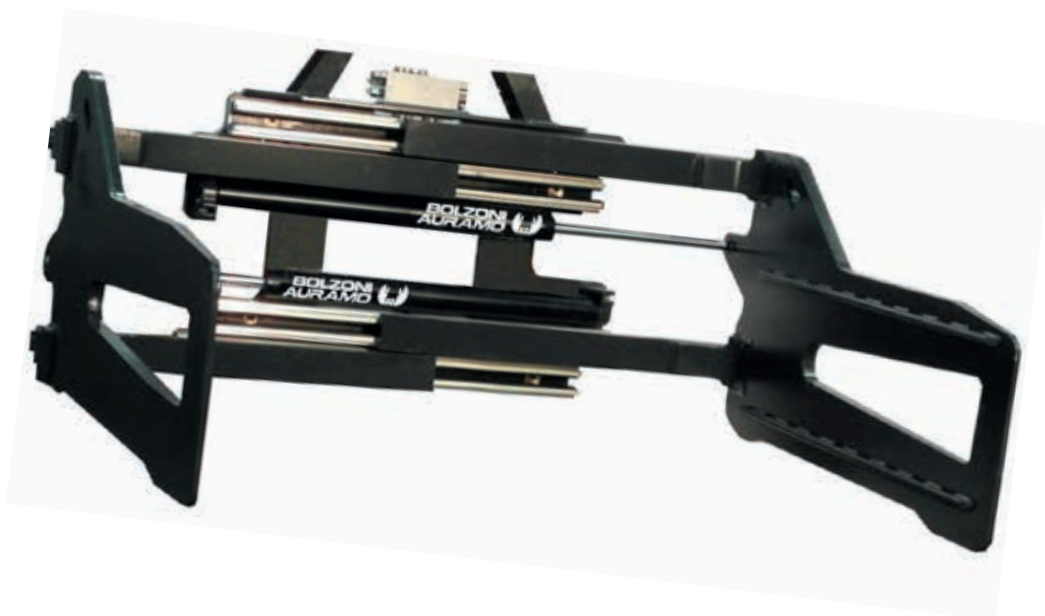
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State

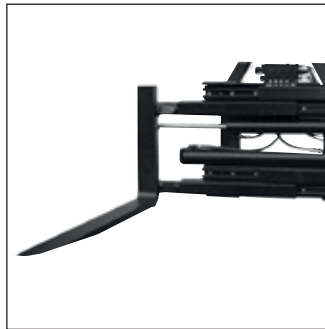
► Notes



SILVER LINE



Bale Clamps - Silver Line	
Models LC-G	11-3
Pallet Fork Clamps - Silver Line	
Models LC-H.....	11-4
Carton Clamps - Silver Line	
Models LC-C.....	11-5
360° Paper Roll Clamps - Silver Line	
Models AMX-F, AMX-P.....	11-6
Multipurpose Clamps - Silver Line	
Models LC-U.....	11-7
Technical Information.....	11-8



SILVER LINE

SILVER LINE is a range of reliable and cost-effective clamps suitable for applications in many industries, particularly where lift truck operators require attachments having high performance and low cost.

As complement of the already extensive range of Bolzoni Auramo Meyer forklift truck attachments, this second range is able to cover the majority of the market requirements with less than 20 short-listed models. First introduced in 2015, the range has now been expanded to include more parallel clamp models.

Suitable for safe, efficient and damage-free handling of all types of loads, this range is designed for heavy duty applications, with a tight budget.

Competitive Cost. High Quality. Prompt Delivery. 3 Years Warranty.

Cost effective:

A new clamp at the price of a second hand, or refurbished attachment.
High volume production of dedicated range of capacities and openings resulting in manufacturing savings.
New cost-effective components – such as aluminium profiles, cylinders and wear parts – and optimized manufacturing processes.


Short lead time:

Attachments are ready from the shelf, in centralised European stocks.


36 months warranty:

The SILVER LINE attachments range is included into the new extended 3 years warranty program (36 months guarantee period, or 6000 work hours, whichever comes first).


Robust Design:

Robust frame design for heavy-duty applications.


Ideal for Rental Fleet

and for any rental business. In facts, this range is ideal for short usage attachment needs, in order to optimize the return on investment or to reduce the Total Cost of Ownership.

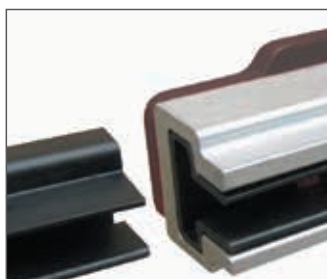
SILVER LINE**Technical Features****Long life and long service intervals**

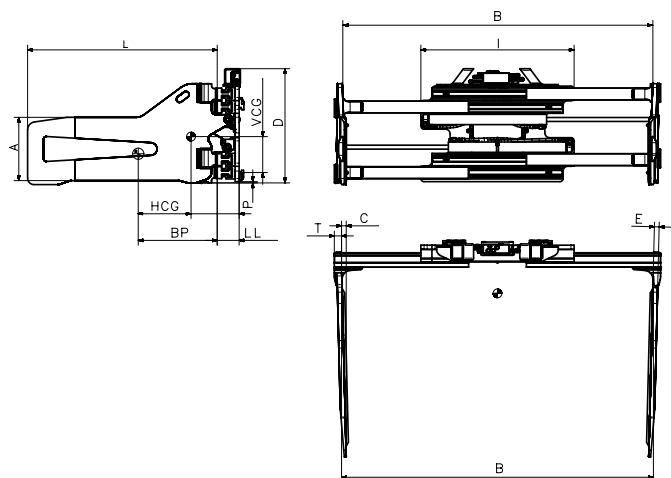
- Combination of proven and high tensile aluminium profiles with new wear resistant plastic inserts.
- No wear on aluminium profiles.
- Symmetrical borings in aluminium profiles and symmetrical plastic inserts.
- Higher sliding speed with lower grease requirement.

Simple and quick exchange of wear parts

- Plastic bushings inserted from the side without removing clamp arms.
- Aluminium profiles with commercial hexagonal bolts, no special tools required.

11





Range: 2,500 - 7,000 Lbs.

Plus:

- Commonly used for handling pulp bales in the paper industry, as well as for bales of cotton, wool, tobacco, fabrics and other baled materials.
- High tensile aluminium profile.
- Check and pressure adjustment valve.
- Excellent visibility.
- The valve and the cylinder rods are protected in every opening position.
- Reduced weight, effective thickness and center of gravity.

Model	Capacity Lbs. @ 24"	Mounting Class	Frame Width	Opening Range in to in		Arm Dimensions				Minimum Carriage Width	Height	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Arms Toe-in	Ground Clearance
	Q	I	B min	B max	A	L	E	T	FL	D	W	LL	HCG	VCG	C	P	
LC 14 G4A	2,500	II	36.6"	22.8"	71.5"	15.7"	39.4"	1.1"	1.8"	27.1"	28.1"	860	4.6"	10.4"	9.1"	1.0"	0.6"
LC 22 G4A	4,000	II	38.1"	25.1"	77.5"	15.7"	39.4"	1.1"	1.8"	27.1"	28.4"	992	5.5"	9.9"	9.2"	1.0"	0.7"
LC 22 G6A	4,000	II	38.1"	25.1"	77.5"	15.7"	47.2"	1.1"	1.8"	27.1"	28.4"	1,050	5.5"	11.9"	8.9"	1.2"	0.7"
LC 28 G6B	5,000	III	40.2"	25.1"	77.6"	15.7"	47.2"	1.6"	1.9"	28.3"	32.0"	1,235	5.2"	12.9"	9.9"	0.5"	0.9"
LC 32 G8B-55.9W	7,000	III	55.9"	25.2"	93.3"	17.7"	59.0"	1.7"	2.9"	37.5"	35.7"	2,200	6.7"	14.3"	11.1"	1.0"	0.9"

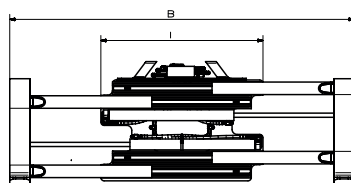
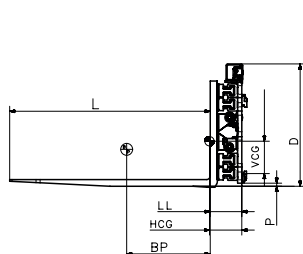
Notes:

- Two hydraulic functions.
- E= arm thickness, without rib.
- T= arm thickness at the arm base, without rib.
- Pressure gauge.
- Arms welded directly to the guides.
- Check valve.
- Integral sideshift.

Options:

- Connection hose kit.
- Cylinder protection.
- Valve protection.

SILVER LINE



Range: 2,500 - 5,000 Lbs.

Features:

- High tensile aluminium profile.
- Reduced weight, effective thickness and center of gravity.
- Excellent visibility.
- Forks welded to the arm carriers.

Model	Capacity Lbs. @ 24"		Mounting Class	Frame Width		Opening Range in to in		Fork Dimensions			Minimum Carriage Width	Height	Weight Lbs.	Effective Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Ground Clearance
	Q1	Q2		I	B min - B max	L	A	E	FL	D	W	LL	HCG	VCG	P		
LC 14 H6A	2,500	3,600	II	36.6"	18.5" - 66.9"	47.2"	4.0"	1.5"	27.1"	28.6"	680	6.6"	7.4"	7.7"	0.7"		
LC 22 H6A	4,000	4,500	II	38.1"	18.5" - 70.8"	47.2"	5.0"	1.5"	27.1"	28.8"	880	7.4"	7.8"	7.5"	0.7"		
LC 28 H6B-K	5,000	7,000	III	43.3"	18.5" - 75.9"	47.2"	5.0"	2.0"	28.3"	32.5"	1,040	7.8"	8.4"	9.0"	0.8"		

Notes:

- Two hydraulic functions.
- Q1 = capacity when clamping.
- Q2 = capacity on the forks.
- Check valve.
- Pressure gauge.
- Forks welded to the arm carriers.
- Integral sideshift.

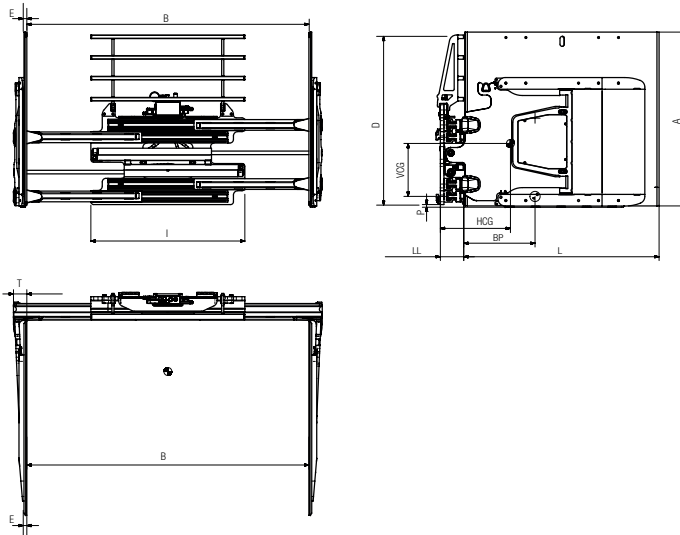
Options:

- Connection hose kit.

Range: 2,600 - 3,900 Lbs.

Features:

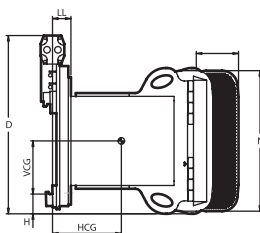
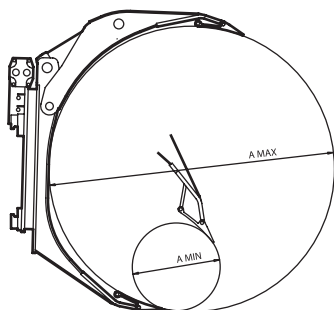
- Large surface aluminium pads.
- Single oscillating pad.
- Special high-friction vulcanized rubber lining for increased positive grip allowing safe and damage-free handling.
- Interchangeable left-right, up-down pads for more even rubber wear.
- Thin arm profile and new elbow support design allow easy knifing between loads.
- Robust design for heavy-duty applications.
- High tensile aluminium profiles allowing long life and low lifetime cost.
- Excellent visibility.
- Block valve in the middle for precise arm synchronism.
- Optimized weight, effective thickness and center of gravity



Model	Code	Capacity	Load Centre	Mounting Class	Opening range	Arm Dimensions	Frame Width	Mn. Carriage Width	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Ground Clearance
		Q	BP		B	L x A x E	I	FL	W	HCG	VCG	LL	P
LC 12 C5A	54-197	2,600	24"	II	21.0"-77.6"	48.0"x48.0"x2.2"	43.3"	27.2"	1,680	16.0"	14.6"	6.5"	1.0"
LC 16 C7A	57-228	3,900	27"	II	22.4"-89.8"	53.9"x48.0"x2.2"	53.9"	27.2"	1,910	17.3"	14.0"	6.5"	1.0"

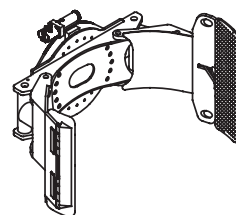
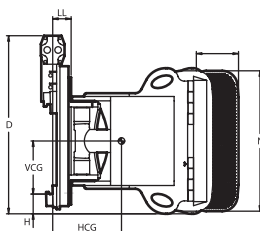
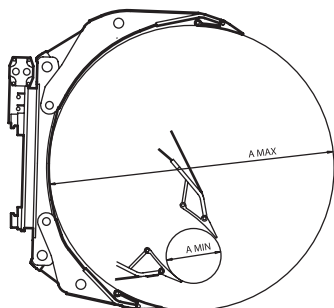
Notes:

- Two hydraulic functions.
- E= arm thickness at the tip, including rubber.
- T= arm thickness at the arm middle, including rubber, 57mm for all models.
- Load backrest.
- Pressure relief valve.
- Flow divider.
- Integral sideshift.

SILVER LINE
AMC-F

Range: 2,900 - 4,600 Lbs.

Features:

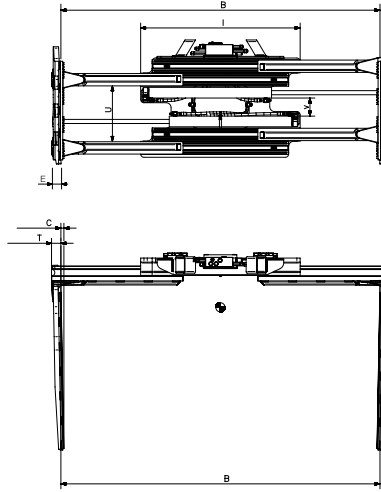
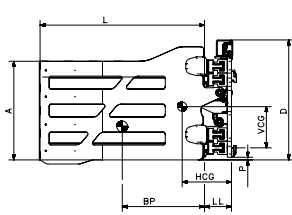
- 360-degree rotating paper roll clamp for vertical and horizontal handling of single rolls.
- Pivoting long arm movement.
- Models AMC-F: Fixed short arm.
- Models AMC-P: Hydraulically positionable short arm with wider roll diameter range.
- Mounting angle 1,5°.

AMC-P


Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Minimum Carriage Width	Contact Pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	A	D	W	HCG	VCG	LL	FL	M x N	O	H	
Fixed short arm													
AMC-29-1245-F	3,100	22.5"	12"-45"	30.7"	770	9.1"	10.4"	5.7"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-29-1651-F	2,900	25.5"	16"-51"	30.7"	810	9.6"	10.4"	5.7"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-40-1651-F-II	4,000	25.5"	16"-51"	30.7"	970	10.0"	10.4"	6.3"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-40-1651-F-III	4,000	25.5"	16"-51"	30.7"	1,020	10.6"	12.0"	7.5"	29.5"	8.0"-26.8"	-	2.6"	III
AMC-46-2253-F-II	4,600	26.5"	22"-53"	30.7"	1,020	11.4"	10.4"	6.8"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-46-2253-F-III	4,600	26.5"	22"-53"	30.7"	1,080	12.6"	12.0"	8.0"	29.5"	8.0"-26.8"	-	2.6"	III
Mobile short arm													
AMC-29-1651-P	2,900	25.5"	10"-51"	30.7"	930	9.6"	10.4"	5.7"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-40-1651-P-II	4,000	25.5"	10"-51"	30.7"	1,080	10.0"	10.4"	6.3"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-40-1651-P-III	4,000	25.5"	10"-51"	30.7"	1,130	10.6"	12.0"	7.5"	29.5"	8.0"-26.8"	-	2.6"	III
AMC-46-2253-P-II	4,600	26.5"	15"-53"	30.7"	1,160	10.6"	10.4"	6.8"	29.5"	8.0"-26.8"	-	4.3"	II
AMC-46-2253-P-III	4,600	26.5"	15"-53"	30.7"	1,210	11.2"	12.0"	8.0"	29.5"	8.0"-26.8"	-	2.6"	III

Notes:

- Two hydraulic functions.
- See page 11-8 for hydraulic pressure and flow rate recommendations.
- Standard contact pads: Cast pad with high-friction surface.



Range: 1.400 - 1.800 Kg.

Features:

- For the handling of unpalletized loads.
- Bolted replaceable rubber stripes.
- Safe gripping of the load with rubber, even at reduced clamping pressures.
- Robust design for heavy-duty applications.
- High tensile aluminium profiles, reversible and interchangeable with wear resistant plastic inserts, allow long life and low lifetime cost.
- Excellent visibility.
- Block valve in the middle for precise arm synchronism.
- The valve and the cylinder rods are protected in every opening position.
- Optimized weight, effective thickness and center of gravity.

Model	Capacity Lbs. @ 24"	Opening Range	Arm Dimensions	Frame Width	Min. Carriage Width	Height	Weight	Horizontal Center of Gravity	Vertical Center of Gravity	Effective Thickness	Side Visibility	Central Visibility	Ground Clearance	Mounting Class
	Q	B	L x A x E x T	I	FL	D	W	HCG	VCG	LL	U	V	P	
LC 14 U6A	1,147	21.7"-70.07"	47.2"x15.7"x1.7"-2.4"	36.6"	29.5"	28.5"	895	12.5"	8.8"	5.6"	13.4"	5.0"	0.6"	II
LC 18 U6A	1,475	24.0"-76.4"	47.2"x15.7"x1.9"-2.4"	38.2"	29.5"	28.7"	1,054	12.4"	8.8"	6.5"	13.4"	4.3"	0.6"	II
LC 18 U6NA	1,475	17.3"-68.1"	47.2"x15.7"x1.9"-2.4"	43.3"	29.5"	28.7"	1,107	12.2"	8.8"	6.5"	13.4"	4.3"	0.6"	II

Notes:

- Two hydraulic functions required.
- E= arm thickness with rubber.
- T= arm thickness at the base with rubber.
- Check valve with power regeneration hydraulic circuit.
- Pressure relief valve.
- Arms welded to the guides.
- Replaceable rubber facing.

Oil flow rate recommendations

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Sideshift		
	Minumum GPM	Recommended GPM	Maximum GPM	Minumum GPM	Recommended GPM	Maximum GPM
Non-Rotating Clamps						
LC 12	4	7	9	4	7	9
LC 14	4	7	9	4	7	9
LC 16	4	7	9	4	7	9
LC 22	4	7	9	4	7	9
LC 28	4	7	9	4	7	9
LC 32	8	12	16	8	12	16

Model	Oil Flow Rate, Clamp			Oil Flow Rate, Rotator		
	Minumum GPM	Recommended GPM	Maximum GPM	Minumum GPM	Recommended GPM	Maximum GPM
AMX	5	9	11	5	9	11

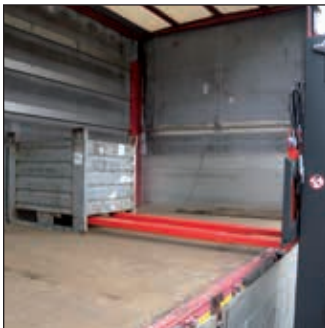
Hydraulic functions and hydraulic pressure recommendations

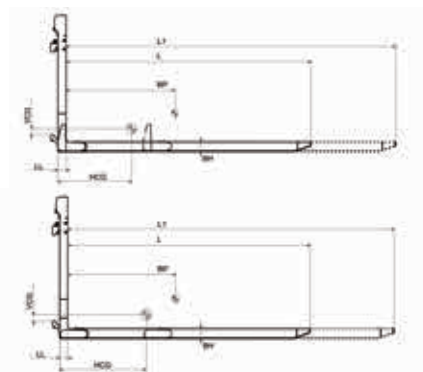
Model	Clamping Pressure		Sideshifting Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
Non-Rotating Clamps					
LC 12	580	1,700	1,700	3,200	2
LC 14	580	2,300	1,700	3,200	2
LC 16	650	2,300	1,700	3,200	2
LC 22	650	2,300	1,700	3,200	2
LC 28	725	2,300	1,700	3,200	2
LC 32	725	2,300	1,700	3,200	2

Model	Clamping Pressure		Rotation Pressure		Hydraulic Functions
	Minumum PSI	Maximum PSI	Minumum PSI	Maximum PSI	
AMX	X	2,300	1,400	1,700	2



Reach Forks	
Models RS / RD	12-1
Load Extenders	
Models EX	12-2
Models XLF-600/650	12-3
Models XLF-550/800	12-4
Rotators, 360-degree Rotation with Hydraulic Bin retainer	
Models RCG	12-5
Vertical Load Stabilizers	
Models CBV	12-6
Tire Clamps	
Models RA-NE	12-7





Model RS

Model RD

Range: 4,400 - 9,900 Lbs.

Features:

- Hydraulic reach forks.
- For loading and unloading of vehicles from one side.
- For handling pallets in double deep racking.
- Two pallets at a time can be handled.
- Pallets of different sizes can be handled.
- Integral cylinders, the length of forks can be changed from the driver's seat.

Model	Capacity Lbs./ Load Center	Capacity Lbs./ Load Center	Length Closed	Length Extended	Stroke	Section	Weight Lbs.	Thickness	Horizontal Center of Gravity	Vertical Center of Gravity	Mounting Class
	Q	Q ¹	L	L ¹	S	BA x BH	W	LL	HCG	VCG	
Models for loads in double depth includes pallet stop											
RS44E0A - 43.3	4,400@24"	1,750@57"	43.3"	72.8"	29.5"	5.1" x 2.2"	336	1.8"	16"/22"	1.2"	II
RS44E0A - 47.2	4,400@24"	1,700@57"	47.2"	80.7"	33.5"	5.1" x 2.2"	355	1.8"	17"/25"	0.7"	II
RS44E0A - 53.1	4,400@24"	1,400@69"	53.1"	92.5"	39.4"	5.1" x 2.2"	386	1.8"	20"/30"	0.4"	II
RS55E0A - 43.3	5,500@24"	2,400@57"	43.3"	72.8"	29.5"	5.1" x 2.2"	336	1.8"	16"/22"	1.2"	II
RS55E0A - 47.2	5,500@24"	2,400@57"	47.2"	80.7"	33.5"	5.1" x 2.2"	355	1.8"	17"/25"	0.7"	II
RS55E0A - 53.1	5,500@24"	2,000@69"	53.1"	92.5"	39.4"	5.1" x 2.2"	386	1.8"	20"/30"	0.4"	II
RS77E0B - 43.3	7,700@24"	3,000@57"	43.3"	72.8"	29.5"	5.1" x 2.2"	358	1.8"	15"/21"	2.8"	III
RS77E0B - 47.2	7,700@24"	3,000@57"	47.2"	80.7"	33.5"	5.1" x 2.2"	377	1.8"	16"/24"	2.5"	III
RS77E0B - 53.1	7,700@24"	2,700@69"	53.1"	92.5"	39.4"	5.1" x 2.2"	408	1.8"	19"/28"	2.1"	III
RS99E0B - 43.3	9,900@24"	3,500@57"	43.3"	72.8"	29.5"	6.3" x 2.2"	422	1.8"	15"/21"	1.2"	III
RS99E0B - 47.2	9,900@24"	3,500@57"	47.2"	80.7"	33.5"	6.3" x 2.2"	446	1.8"	16"/24"	1.0"	III
RS99E0B - 53.1	9,900@24"	3,500@57"	53.1"	92.5"	39.4"	6.3" x 2.2"	481	1.8"	19"/29"	0.7"	III
Models for two pallets											
RD44E0A - 31.5	4,400@24"	4,400@24"	31.5"	47.2"	15.7"	5.1" x 2.2"	254	1.8"	12"/19"	2.6"	II
RD44E0A - 43.3	4,400@24"	3,300@31"	43.3"	63.0"	19.7"	5.1" x 2.2"	325	1.8"	16"/22"	1.2"	II
RD44E0A - 43.3	4,400@24"	2,800@36"	43.3"	72.8"	29.5"	5.1" x 2.2"	325	1.8"	16"/22"	1.2"	II
RD44E0A - 47.2	4,400@24"	2,600@40"	47.2"	80.7"	33.5"	5.1" x 2.2"	344	1.8"	17"/25"	0.7"	II
RD44E0A - 53.1	4,400@24"	2,400@46"	53.1"	92.5"	39.4"	5.1" x 2.2"	375	1.8"	20"/30"	0.4"	II
RD55E0A - 43.3	5,500@24"	3,600@36"	43.3"	72.8"	29.5"	5.1" x 2.2"	336	1.8"	16"/22"	1.2"	II
RD55E0A - 47.2	5,500@24"	3,300@40"	47.2"	80.7"	33.5"	5.1" x 2.2"	355	1.8"	17"/25"	0.7"	II
RD55E0A - 53.1	5,500@24"	2,800@46"	53.1"	92.5"	39.4"	5.1" x 2.2"	386	1.8"	20"/30"	0.4"	II
RD77E0B - 31.5	7,700@24"	7,700@24"	31.5"	47.2"	15.7"	5.1" x 2.2"	276	1.8"	12"/18"	3.3	III
RD77E0B - 43.3	7,700@24"	5,700@31"	43.3"	63.0"	19.7"	5.1" x 2.2"	347	1.8"	15"/21"	2.8"	III
RD77E0B - 43.3	7,700@24"	5,000@36"	43.3"	72.8"	29.5"	5.1" x 2.2"	347	1.8"	15"/21"	2.8"	III
RD77E0B - 47.2	7,700@24"	4,600@40"	47.2"	80.7"	33.5"	5.1" x 2.2"	366	1.8"	16"/24"	2.5"	III
RD77E0B - 53.1	7,700@24"	3,900@46"	53.1"	92.5"	39.4"	5.1" x 2.2"	397	1.8"	19"/28"	2.1"	III
RD99E0B - 43.3	9,900@24"	6,400@36"	43.3"	72.8"	29.5"	6.3" x 2.2"	411	1.8"	15"/21"	1.2"	III
RD99E0B - 47.2	9,900@24"	5,700@40"	47.2"	80.7"	33.5"	6.3" x 2.2"	435	1.8"	16"/24"	1.0"	III
RD99E0B - 53.1	9,900@24"	5,000@46"	53.1"	92.5"	39.4"	6.3" x 2.2"	470	1.8"	19"/29"	0.7"	III

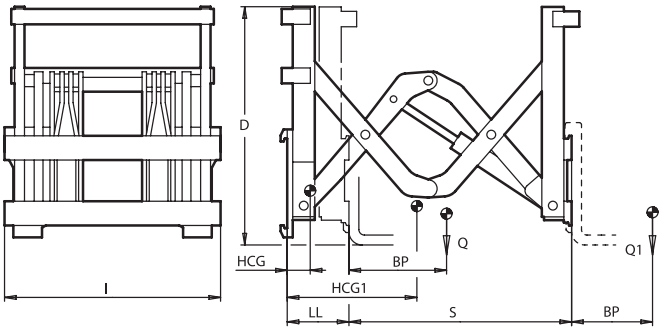
Model	Oil Flow Rate		Oil Pressure		Hydraulic Functions
	min. GPM	max. GPM	min. PSI	max. PSI	
RS / RD 44 - 55 - 77 - 99	4.0	6.6	1,740	3,630	1

Notes:

- One hydraulic function.
- Q = Capacity when closed.
- Q¹ = Capacity at maximum extension.
- Models RS/RD 44 are equipped with cylinders having different diameters for synchronized fork movement.
- Models RS/RD 55 - 77 and 99 are equipped with a flow divider valve for synchronized fork movement.
- Please, specify outer fork spread.


On request:

- Different strokes.
- Different dimensions.
- Load backrest.
- Special pallet stop thickness 5.9", see above picture



Range: 2,700 - 9,000 Lbs

Features:

- For the handling of loads from a second row.
- Other attachments can be fitted to the fork carriage for handling specific loads: bale clamps, paper roll clamps, etc.

Model	Capacity (closed) Lbs.	Capacity (extended) Lbs.	Load Center	Stroke	Height	Fork Carriage Width	Weight Lbs.	Horizontal Center of Gravity (closed)	Horizontal Center of Gravity (extended)	Thickness	Mounting Class
	Q	Q ¹	BP	S	D	I	W	HCG	HCG ¹	LL	
EX15X9A	2,700	1,450	24"	50	41.7"	35.4"	925	4.7"	27.6"	9.6"	II
EX2010A	3,600	2,200	24"	50	41.7"	38.6"	1,080	5.1"	29.5"	10.6"	II
EX3511B	6,300	3,600	24"	50	41.7"	45.3"	1,430	5.7"	30.5"	11.0"	III
EX5013C	9,000	5,400	24"	50	41.7"	51.2"	2,500	6.1"	31.1"	12.6"	IV

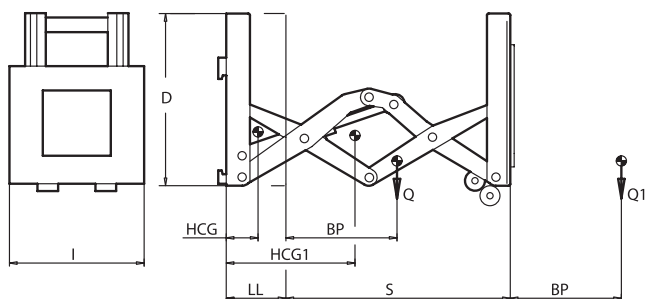
Model	Oil Flow Rate			Oil Pressure		Hydraulic Functions
	min. GPM	recom. GPM	max. GPM	min. PSI	max. PSI	
EX15	3.0	5.5	6.5	1,450	2,320	1
EX20-35	4.0	8.0	12.0	1,450	2,320	1
EX50	5.5	8.0	14.5	1,450	2,320	1

Notes:

- One hydraulic function.
- Q = Capacity when closed.
- Q¹ = Capacity when extended.
- Without forks, the original lift truck forks can be fitted without modifications.

On request:

- Separate Sideshift.



Range: 13,000 - 14,000 Lbs.

Features:

- Load extenders enable loading and unloading a truck from one side.
- Can be equipped with different attachments: paper roll clamps, bale clamps, fork clamps, etc.
- Optional hydraulically controlled support wheels save residual capacity in extended position.

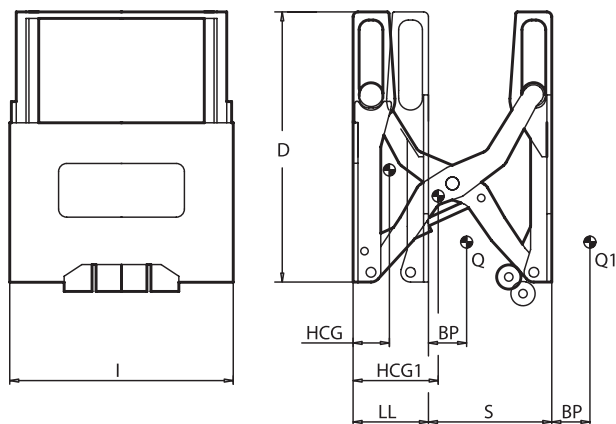
Model	Capacity (closed) Lbs.	Capacity (extended) Lbs.	Load Center	Stroke	Height	Width	Weight Lbs.	Horizontal Center of Gravity (closed)	Horizontal Center of Gravity (extended)	Thickness	Mounting Class
	Q	Q'	BP	S	D	I	W	HCG	HCG'	LL	
XLF-600	13,000	13,000	24"	43.3"	40.2"	43"	2,470	7.9"	27.6"	16.9"	IV
XLF-650	14,000	14,000	31"	43.3"	40.2"	43"	2,645	8.7"	28.3"	16.9"	IV

Notes:

- One hydraulic function, without support wheels.
- Two hydraulic functions, with support wheels.
- Note: Other attachments may require further hydraulic functions.
- Q = Capacity when closed.
- Q1= Lifting capacity at maximum extension without optional support wheels.

On request:

- Other lifting capacities.
- Hydraulic support wheels.
- Fork carriage for standard forks.



Range: 12,100 - 17,600 Lbs.

Features:

- Load extenders enable loading and unloading a truck from one side.
- Can be equipped with different attachments: paper roll clamps, bale clamps, fork clamps, etc.
- Optional hydraulically controlled support wheels save residual capacity in extended position.

Model	Capacity (closed) Lbs.	Capacity (extended) Lbs.	Load Center	Stroke	Height	Width	Weight Lbs.	Horizontal Center of Gravity (closed)	Horizontal Center of Gravity (extended)	Thickness	Mounting Class
	Q	Q ¹	BP	S	D	I	W	HCG	HCG ¹	LL	
XLF-550	12,100	12,100	31"	31.5"	61.0"	42.9"	2,420	7.9"	23.6"	15.4"	IV
XLF-800	17,600	17,600	31"	31.5"	65.4"	54.3"	4,740	8.7"	24.4"	16.5"	①

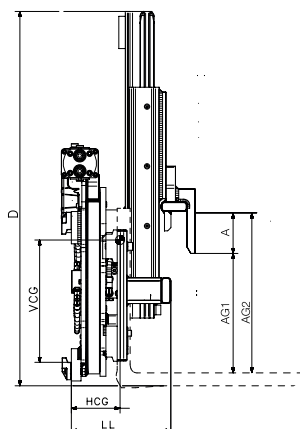
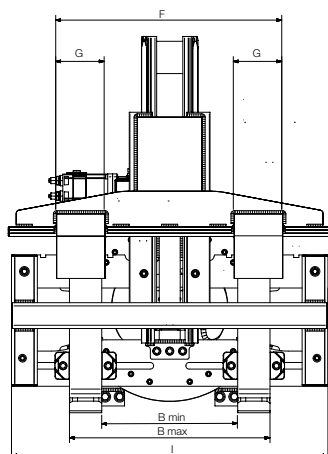
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Notes:

- One hydraulic function, without support wheels.
- Two hydraulic functions, with support wheels.
- Note: Other attachments may require further hydraulic functions.
- Q = Capacity when closed.
- Q¹ = Lifting capacity at maximum extension without optional support wheels.
- ① Consult Bolzoni Auramo regarding specifications.

On request:

- Other lifting capacities.
- Hydraulic support wheels.
- Fork carriage for standard forks.



Range: 2000 Kg - 3500 Kg

Features:

- 360-degree rotator with fork carriage for all applications requiring rotation. Commonly used in industries where the working cycles require rotation or emptying of boxes or containers.
- Fork carriage welded to the rotating frame.
- Fast and high-torque rotation.
- Continuous rotation both ways.

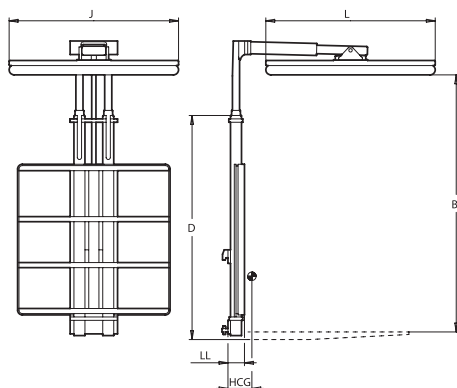
Model	Capacity	Load Centre	Fork Carriage Width	Opening Inside Forks	Opening Outside Forks	Hook opening	Hook opening	Weight Lbs.	Horizontal Centre of Gravity	Effective Thickness	Height	Max. Torque	Rotation Speed 'rpm'	Mounting Class
	Q	BP	I	B min.	B max.	AG1	AG2	W	HCG	LL	D	CN	DC	
RCG 20 10A 14-34	3,600	24"	38.6"	12.6"	32.3"	14.6" - 34.3"	16.1" - 35.8"	827	5.9"	12.1"	45.7"	24.3"	4,4	II
RCG 20 10A 8-35	3,600	24"	38.6"	12.6"	32.3"	8.7" - 35.4"	13.8" - 40.6"	849	6.2"	12.1"	57.5"	24.3"	4,4	II
RCG 20 10A 18-44	3,600	24"	38.6"	12.6"	32.3"	18.1" - 44.5"	23.2" - 49.6"	1,080	9.9"	12.1"	55.5"	24.3"	4,4	II
RCG 25 10A 15-34	4,500	24"	38.6"	12.6"	32.3"	15.6" - 34.3"	19.7" - 39.4"	794	5.9"	12.5"	45.7"	33.0"	4,4	II
RCG 25 10A 8-35	4,500	24"	38.6"	12.6"	32.3"	8.7" - 35.4"	13.8" - 40.6"	1,080	6.2"	12.5"	57.5"	33.0"	4,4	II
RCG 25 10A 18-44	4,500	24"	38.6"	12.6"	32.3"	18.1" - 44.5"	23.2" - 49.6"	1,025	9.9"	12.5"	55.5"	33.0"	4,4	II
RCG 35 11B 14-40	6,300	24"	45.3"	16.5"	39.0"	14.6" - 40.2"	19.7" - 45.3"	1,389	8.7"	12.8"	56.3"	48.3"	5,4	III
RCG 35 11B 17-44	6,300	24"	45.3"	16.5"	39.0"	17.8" - 44.1"	22.8" - 49.2"	1,433	9.3"	12.8"	56.3"	48.3"	5,4	III

Notes:

- Two hydraulic functions.
- Rotators are delivered without forks. The majority of lift truck forks can be used without any modifications.
- Forks are available on request, please consult Bolzoni.
- The lower hooks of the forks must be capable of carrying the rotators rated capacity.
- Price does not include connection hoses.
- ① Rotation speed with recommended oil flow rate.
- A = 5.1", F = 27.6", G = 5.9".

On request:

- Other fork carriage widths available, please consult Bolzoni.
- Separate sideshifting mounting


Opening Range: 39.4" - 118.1"

Features:

- For transport of unstable loads.
- For safe transport of loads over rough surfaces.
- Commonly used in breweries and in mineral water and soft drink industries.
- Robust oscillating stabilizer platform.
- Clamping force adjustable to suit to the density and fragility of the load.
- Vertical steel frame runs on self-lubricating bushings.

Model	Platform Size <i>J x L</i>	Opening Range <i>B</i>	Frame Height <i>D</i>	Weight Lbs. <i>W</i>	Horizontal Center of Gravity <i>HCG</i>	Vertical Center of Gravity <i>VCG</i>	Thickness <i>LL</i>	Mounting Class
Standard models								
CBV3J2A	31" x 31"	39.4" - 74.8"	52.0"	370	7.5"	36.0"	3.7"	II
CBV3J3A	35" x 35"	39.4" - 74.8"	52.0"	400	7.9"	38.0"	3.7"	II
CBV3J4A	39" x 39"	39.4" - 74.8"	52.0"	420	8.3"	40.0"	3.7"	II
CBX3J3A	35" x 35"	47.2" - 82.7"	59.8"	430	7.5"	40.0"	3.7"	II
CBY3J3A	35" x 35"	47.2" - 90.6"	67.7"	480	6.9"	42.1"	3.7"	II
CBZ3J3A	35" x 35"	51.2" - 98.4"	75.6"	540	6.3"	43.9"	3.7"	II
Models with sideshifter								
CSV3J3A	35" x 35"	49.2" - 74.8"	59.4"	570	5.9"	28.0"	3.3"	II
Models with integral sideshifter								
CSX3J3A	35" x 35"	39.4" - 74.8"	51.2"	460	7.9"	33.1"	4.2"	II
CSY3J3A	35" x 35"	49.2" - 84.6"	61.0"	510	7.5"	37.0"	4.2"	II
CSZ3J3A	35" x 35"	51.2" - 98.4"	74.8"	570	6.9"	42.1"	4.2"	II
Models for heavy duty applications								
CBV4J2A	29" x 39"	39.4" - 74.8"	51.2"	450	9.1"	36.0"	4.1"	II
CBV4J2A	39" x 29"	39.4" - 74.8"	51.2"	450	9.4"	36.0"	4.1"	II
CBV4J2B	29" x 39"	39.4" - 74.8"	51.2"	460	9.1"	36.0"	4.1"	III
CBV4J2B	39" x 29"	39.4" - 74.8"	51.2"	460	9.4"	36.0"	4.1"	III
Models with wide opening range								
CBV3Y3A	35" x 35"	39.4" - 94.5"	74.8"	480	8.1"	42.9"	3.5"	II
CBX3Y3A	35" x 35"	39.4" - 110.2"	90.6"	550	7.9"	42.1"	3.5"	II
CBY3Y3A	35" x 35"	47.2" - 118.1"	98.4"	570	7.7"	48.0"	3.5"	II

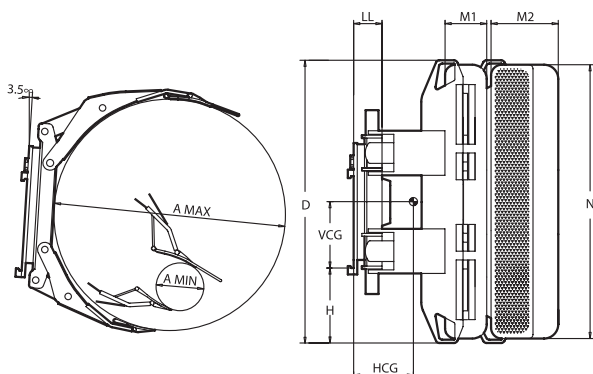
Model	Oil Flow Rate			Oil Pressure		Hydraulic Functions <i>n.</i>
	<i>min. GPM</i>	<i>recom. GPM</i>	<i>max. GPM</i>	<i>min. PSI</i>	<i>max. PSI</i>	
CB / CS	2.5	5.0	8.0	600	1,160	1

Notes:

- One hydraulic function.
- Check valve.
- Pressure gauge.
- Pressure relief valve.
- On lift trucks with an oil flow greater than 9.0 GPM it is necessary to fit a flow reducer valve with excess flow return line to tank. This assumes a 3/8" bore hosing. For smaller bore hosings the following flow rates apply:
 5/16" = 6.6 GPM. 1/4" = 4.0 GPM.

On request:

- Various openings.
- Special stabilizer platform sizes.
- Special mounting.
- Model with two platforms.



Range: 2,200 Lbs.

Features:

- Rotating clamp for vertical and horizontal handling of tires and tire stacks.
- Pivoting arm movement, short and long arms.
- Several contact pad options in standard series.
- 180-degree rotation. Hydraulic cushioning in the vertical positions.

Model	Capacity Lbs.	Load Center	Roll Range	Height	Weight Lbs.	Horizontal Center of Gravity	Vertical Center of Gravity	Thickness	Contact pads	Contact Pad Gap	Mounting Height	Mounting Class
	Q	BP	B	D	W	HCG	VCG	LL	M ¹ /M ² x N	O	H	①
RA-150-NE	2,200	26"	19.7" - 51.2"	72.4"	1,760	14.6"	14.4"	7.1"	9.8"/16.1"x70.9"	-	x	II / III
RA-150-NE	2,200	31"	19.7" - 63.0"	72.4"	1,870	15.3"	14.4"	7.1"	9.8"/16.1"x70.9"	-	x	II / III

Notes:

- Two hydraulic functions.
 - Standard contact pads: rubber faced.
 - For bilge handling, 5-degree forward tilt on upright is required. For 0-degree tilt, special arms are available.
- ① Please, specify mounting class when ordering.

On request:

- Special arms for 0-degree tilt.
- Special contact pad sizes.
- Higher lifting capacities.

NOTES

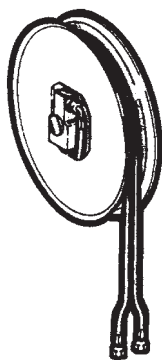
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Range: all masts

Features:

- This versatile supply group is easy to fit to any type of mast and, thanks to the wide oil passages, guarantees an excellent hydraulic efficiency.
- The standard kit includes:
 1. Hose reel with brackets for lifting mast.
 2. Twinline bonded hoses.
 3. Angled piece to fix hoses to the carriage, including guide roller.

Hose Reel Hydraulic Supply Kit

Model	Reel Diameter	Mounting Location	SAE 100 R7 Hose Size	Total Hose Length	Maximum Lift Height
ABC1FBD	11.6"			147.6"	209"
ABC1FDD	13.4"	right hand	# 4	228.3"	287"
ABC1FKD	15.7"			315.0"	327"
ABC1FBS	11.6"			147.6"	209"
ABC1FDS	13.4"	left hand	# 4	228.3"	287"
ABC1FKS	15.7"			315.0"	327"
ABC1HBD	11.6"			118.1"	165"
ABC1HDD	13.4"	right hand	# 6	157.5"	205"
ABC1HKD	15.7"			248.0"	295"
ABC1HBS	11.6"			118.1"	165"
ABC1HDS	13.4"	left hand	# 6	157.5"	205"
ABC1HKS	15.7"			248.0"	295"

Options

Hose Reel without Hose and Fittings

Type	Reel Diameter	Mounting Location
ABC1SBD	11.6"	
ABC1SDD	13.4"	right hand
ABC1SKD	15.7"	
ABC1SBS	11.6"	
ABC1SDS	13.4"	left hand
ABC1SKS	15.7"	

Twinline Bonded Hose with Fittings

Order No.	Hose Size	For Use on Type
10157147		ABC1FBX
10157148	# 4	ABC1FDX
10157149		ABC1FKX
10157150		ABC1HBX
10157151	# 6	ABC1HDX
10157152		ABC1HKX

Hydraulic Requirements

Hose Size	GPM recom.
# 4	3
# 6	6

Notes:

- When ordering, define the mounting side (right or left) viewed from the driver's seat of the truck.
- Inlet and outlet fittings.
- Mounting brackets.
- Hose clips for the fork carriage.

On request:

- Models for single hose. Consult Bolzoni Auramo.
- Swivel connection.

Slip-On Arms

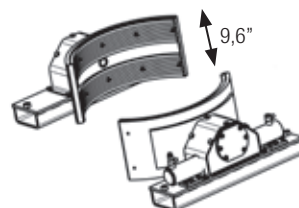
Features:

- The slip on arms are specifically designed for the occasional handling of various loads.
- Since they are fitted on the forks, the basic attachment for their use is the clamp with forks.

One Drum Slip-On Arms (180-degree Hydraulic Tipping)

Model	Capacity Lbs	Attachment Capacity Lbs. @ 24"	Weight Lbs.	Pad Height	Mounting Class
		<i>Q</i>	<i>W</i>		
S6221XX	1,250	900	200	9,6"	II

Oversized envelopping for plastic drums: on request



Notes:

To be fitted to pallet fork clamps or manually rotating forks. Recommended fork clamp models KB10/KB14/KB18/KB22/KB28.

Pressure Relief Valve and Gauge recommended.

Model	Oil Flow Rate			Oil Pressure			Hydraulic Functions
	<i>min.</i> GPM	<i>recom.</i> GPM	<i>max.</i> GPM	<i>min.</i> PSI	<i>recom.</i> PSI	<i>max.</i> PSI	<i>n.</i>
S6221XX	2	4	5	720	1,160	1,450	1

Flat Slip-On Arms for Pallet Forks

Model	Dimensions Length	Dimensions Height	Fork Section	Weight Lbs.	Thickness	Mounting Class
DXX2G2M	31.5"	9.0"	3.9" x 1.37"	75	6.4"	I
DXX3G2M	31.5"	9.0"	3.9" x 1.4"	88	7.2"	II
DXX4G3M	35.4"	9.0"	5.1" x 1.4"	130	8.5"	II
DXX5G3M	35.4"	9.0"	5.1" x 1.75"	135	8.5"	III



Flat Slip-On Arms for Pallet Forks

90-degree rotated forks required.

Model	Dimensions Length	Dimensions Height	Fork Section	Weight Lbs.	Thickness	Mounting Class
DXX3I2M	31.5"	9.0"	3.9" x 1.4"	75	4.8"	II
DXX4I3M	35.4"	9.0"	5.1" x 1.4"	103	5.0"	II
DXX5I3M	35.4"	9.0"	5.1" x 1.75"	108	5.4"	III



Slip-On Arms for 1-2 Drums

Model	Fork Section	Weight Lbs.	Thickness	Mounting Class
DXX2T2M	3.9" x 1.5"	77	7.1"	II
DXX3T2M	5.1" x 1.5"	93	7.8"	II

Pressure Relief Valve and Gauge recommended.


Oscillating Slip-On Arms for 2-4 Drums

Model	Fork Section	Weight Lbs.	Thickness	Mounting Class
DXX3T4M	3.9" x 1.4"	198	7.9"	II
DXX4T4M	5.1" x 1.4"	211	9.1"	II
DXX5T4M	5.1" x 1.8"	213	9.1"	III

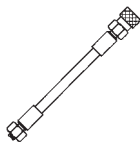
Pressure Relief Valve and Gauge recommended.



Installation Kit

For two hydraulic functions (standard fitting).

An installation kit for two hydraulic functions contains 4 hoses with standard fittings. Length of the hoses is 24". Other hose sizes and lengths are available on request.

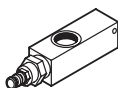


Number

6 HK
6 HK-QC with quick cplg
8 HK
8 HK-QC with quick cplg

Single Pressure Relief Valve

Limits hydraulic pressure in one direction only (half of a function).

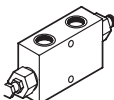


Number

401901-SA

Bi-Directional Pressure Relief Valve

Limits hydraulic pressure in two directions (one hydraulic function).

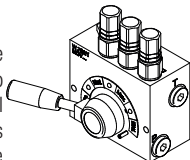


Number

401900-PR

Four-Stage Pressure-Relief Valve (manually controlled)

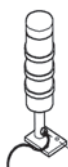
Manually controlled four-stage pressure relief valve. Specially recommended to be used in combination with paper roll clamps, carton clamps and other clamps handling sensitive loads. Adjustable pressure settings. Gauge included.



Number Oil Flow Range

401925-SA	6.6-22.5 GPM
401960-SA	

Four-Stage Pressure-Relief Valve with 360 degree Electric Light Tower 4 Stages and Gauge (manually controlled valve)



Number Oil Flow Range

401925-ME	0-25 GPM
401960-ME	0-60 GPM

Four-Stage Pressure-Relief Valve (electrically controlled)

Electrically controlled four-stage pressure relief valve. Easy clamping pressure selection from the lift truck cabin. Specially recommended to be used in combination with paper roll clamps, carton clamps and other clamps handling sensitive loads. Adjustable pressure settings.

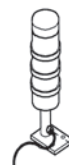


Number Oil Flow Range Voltage

426778.12	3 - 30 GPM	12 Volt DC
426778.24	3 - 30 GPM	24 Volt DC
426779.12	3 - 60 GPM	12 Volt DC
426779.24	3 - 60 GPM	24 Volt DC

Pressure-Control Lights

To be used in combination with electrically controlled four-stage pressure relief valve. Lights in the light tower indicate the selected pressure setting.

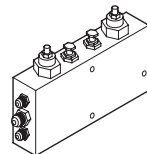


Number Operation Voltage

420565.12	12 Volt DC
420565.24	24 Volt DC

Hydraulic Pressure Relief and Flow Control Valve

Valve regulates oil flow to provide required flow for an attachment and reduces heat and pressure build-up. Pressure relief is adjustable from 1,000 PSI to 3,000 PSI. Valve regulates one hydraulic function and is bi-directional. Part number "LP-KIT" Tank Line Oil Return Kit must be installed when using this valve. Maximum inlet oil flow 30 GPM.

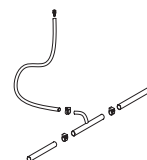


Number Oil Flow Range

401907-PF	4.5-7.5 GPM
401914-PF	9.0-15.0 GPM
401907-2PF	4.5-7.5 GPM
401914-2PF	9.0-15.0 GPM

Tank Line Oil Return Kit

Kit allows easy connection for returning oil flow to existing truck L-P Tank line hose. Use with 4 position Pressure regulator valves and Pressure relief and Flow control valves.

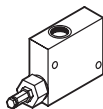


Number Tank Line Size

LP-KIT	1.0" + 1.25" ID
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Chain Slack Prevention Valve

The chain slack prevention valve reduces paper roll damage by stopping the downwards lift mast movement immediately when the load is lowered down. Extra slack in the mast chains will not cause the paper roll clamp to drop downwards when the clamp arms are opened.



Number	Oil Flow Range
CSPV05	3 - 40 GPM

Soft-Touch Load Dampener

Reduces dynamic shocks directed to the lift truck. Reduces the need for excessive clamping force during rough handling operations. Consult Bolzoni Auramo regarding clamps requiring greater than 10,000 lbs capacity.

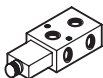


Number

ST-001 For clamps up to 10,000 Lbs. capacity
ST-002 For clamps up to 25,000 Lbs. capacity

Solenoid Valve (2 functions)

12 / 24 / 48 / 72 VDC (without cable reel, cable and operator control knob).



Number

on request

Soft-Touch Charging Kit

Number

ST-004

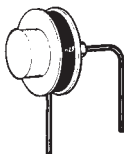
Control Knob

Number

Kit-U2-094
Low profile switch kit 83123005
Fingertrip Controls, plus Clamp lock valve
CLSV-2-12-B-U

Cable Reel

The cable reel can be used to provide electrical power supply over the lift mast to the attachment.



Number

401917-CR

Spiral power cable

The spiral power cable is used to bring the electric power to the fork carriage forklift.

Number

01_71220138

Pressure Gauge

Number

ST-005



Test Gauge Hose Kit

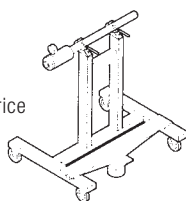
Number

TGK-1

Other Options

Test Cylinder with Rolling Stand

For measuring the clamping force. Price includes two wings for split contact pads. Price and technical details are available on request.



Number

416863.01

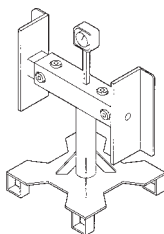
Test Stand

A heavy-duty clamping force measuring device designed for warehouse and paper terminal installation.

It enables fast and user-friendly clamping force monitoring. Upper frame of the stand rotates ± 45 degrees, thus allowing easy lift truck access to the stand.

Large and clear display shows the clamping force value directly in kN and lbf units.

No calculation necessary. A digital clamping force display is available on request. Price and technical details are available on request.



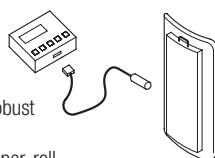
Number

321564.01

Test Pad

The Test Pad is an all-new solution for clamping force testing. The device is extremely light, thin, robust and portable.

The Test Pad is put between the paper roll and the clamp contact pad during the force testing. It shows the real clamping force directed to the paper roll. Based on sophisticated scale sensors, its all-electronic design ensures high accuracy and a large measurement range. The pad only weighs 20 Lbs. Price and technical details are available on request.



Number

425695A

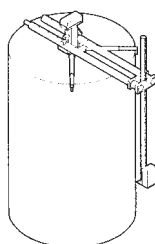
The Spider

Paper Roll Out-of-Roundness Measuring Device

Electronically measures variations in the radius of paper rolls to determine the degree of out-of-roundness.

Utilizes state-of-the-art microprocessing and ultrasonic technology to quickly and accurately measure the roundness of a paper roll, without destroying the integrity of the roll or roll wrapping.

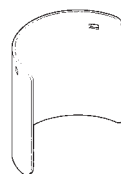
The test results can be viewed on an LCD display or directed to a computer for further analysis. Price and technical details available on request.



Roll Guards

Light-weight, heavy-duty Roll Guards are ideal for paper protection while in storage; best used on aisle corners and other high-traffic locations. Durable one-piece construction. Two cut-out hand-holds make Roll Guards easy to handle and position on paper rolls.

Price and further details are available on request.



Specifications	Standard	Jumbo
Height	40"	52"
Curved width	63"	88"
Weight	22 Lbs.	39 Lbs.
Material	molded fiber glass	molded fiber glass
Color	Bolzon Auramo red	Bolzon Auramo red
Fits roll diameters	up to 40"	up to 63"

Number	Type
99000A	Standard
99002A	Jumbo

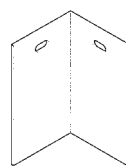
Corner Guards

Light-weight, heavy-duty Corner Guards offer excellent protection for stored products, especially effective against lift-truck contact in warehouses.

Two cut-out hand-holds make Corner Guards easy to handle and position on aisle corners.

Durable one-piece construction.

Price and further details are available on request.



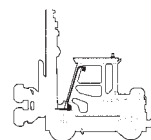
Specifications	Standard
Height	40"
Width	20" each side
Weight	13 Lbs.
Material	molded fiber glass
Color	Bolzon Auramo red
Fits roll diameters	31" to 63"

Number	Type
99001A	Standard

Tilt Indicator

Indicates the lift mast tilt position.

Operation voltage : 12/24 VDC
Price and further details are available on request.



Number
VM-1



Forks

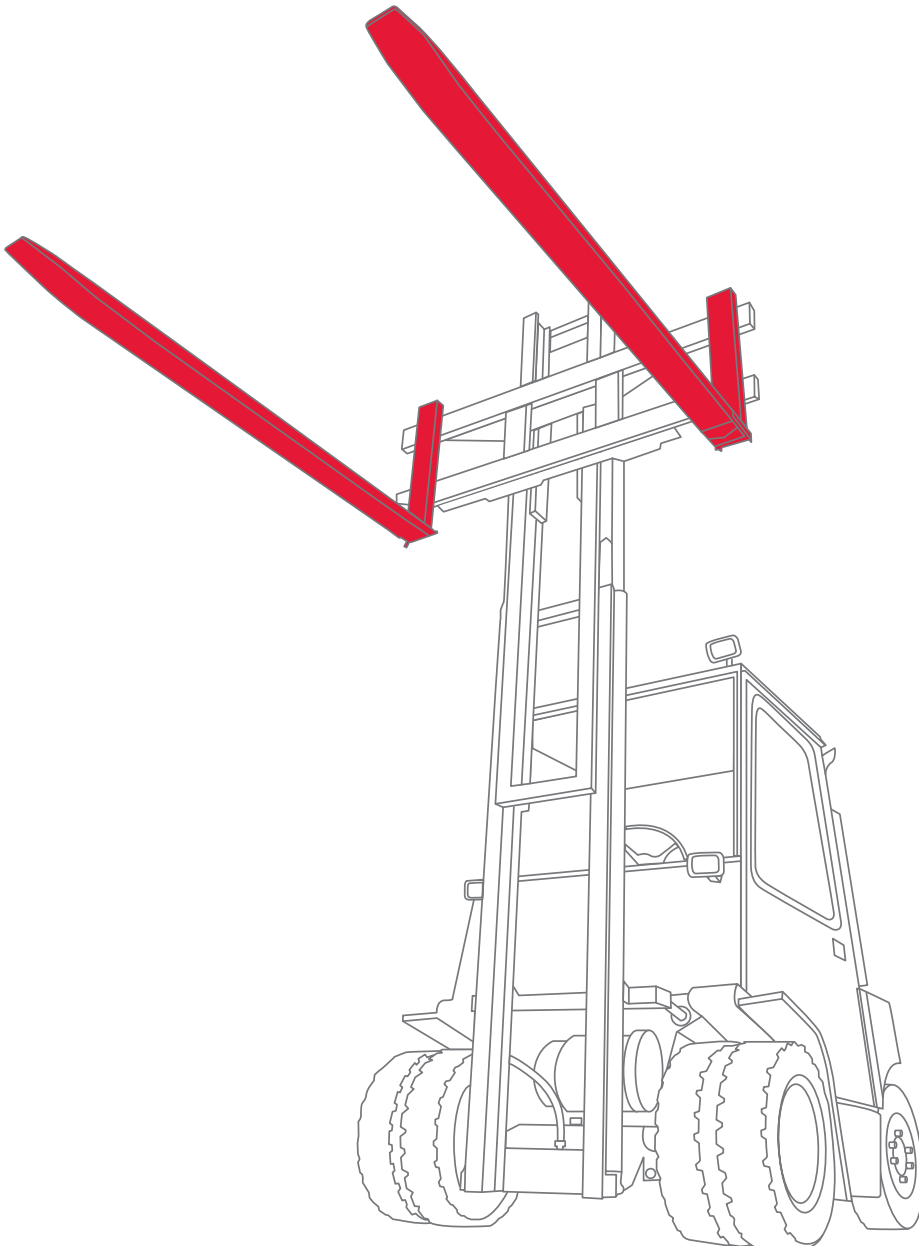
ITA Mounting Class II	14-2
ITA Mounting Class III	14-3
ITA Mounting Class IV	14-4

EasyForks

Fork mounted side camera	14-5
Fork mounted tip camera	14-6
Fork mounted tip camera & Line Laser	14-7

iForks-32 RAVAS

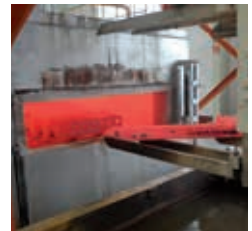
iForks-32 RAVAS	14-8
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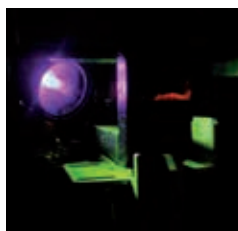
Bolzoni Auramo Forks: Quality, Safety, Efficiency Worldwide.



Production processes at the Piacenza plant, Italy.



Production processes at the Longhua plant, P.R.C.



Quality checks during the production processes.

High quality

Bolzoni Auramo offers complete range of forks for lift trucks, construction and agricultural material handling machines, in many different capacities, sections and lengths, ISO and special mountings.

Forks are produced in the dedicated state-of-the-art manufacturing plants in Piacenza, Italy (29,600 sq.ft.) and Longhua Town, Hebei, P.R. China (175,500 sq.ft.).



Innovation

Strongly focused on product innovation, Bolzoni Auramo has employed the most advanced technologies and software for fork designing.

By using first class raw material and applying modern technological solutions and automated production processes, forks are produced according to customer requirements and the industry's strictest standards.

Flexibility

High-capacity manufacturing facilities offer flexibility in production volume output and fork model availability, required by OEM's on equipments installed at the origin and by the after-market, suitable for different machines and various applications.



Advanced production process

Production standards for all Bolzoni Auramo forks are based on common key- features:

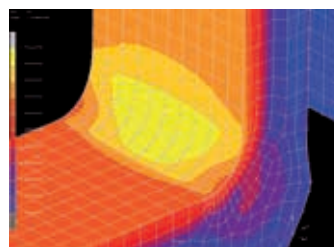
- Innovative and highly automated production process.
- Prime quality steel offering good welding characteristics and strong resistance to wear.
- Fork heel, bended in multi-phase press mould.
- Automated welding of upper and lower hooks with a robotic system, granting better quality of the welding, quality repeatability and higher process speed.
- Complete heat treatment with hardening and tempering on the entire fork, providing the best quality and reliability characteristics.

Clear traceability

We ensure the certified quality of chemical composition and of the heat treatment applied on raw material used to create. Bar coding on each fork allows for the tracking of raw material back to source as well.

Certified quality

Certified quality of chemical composition and of the heat treatment applied on raw material used. Bar coding allowing for the tracking of raw material back to source.



All forks produced comply with the parameters outlined in ISO 2328 and 2330.

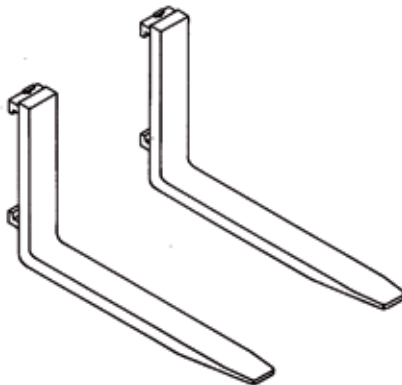
In order to satisfy these standards, each different type of forks is subjected to the following tests:

- 1 fatigue test of 1,000,000 cycles at 25% overload.
- 1 static test of 2 cycles with triple nominal capacity.
- 1 resilience test at -20°C with a resulting value higher than 27 Joules.

The following certifications are proof of Bolzoni Auramo's commitment to continuous improvements in quality and efficiency. The aim is to provide the best product and service support to customers worldwide, in full observance of a fair social policy towards the employees, customers, suppliers and society in general while respecting the environment:

- ISO 9001 Quality System Certification.
- ISO 3834-2 Quality Management in Welding.
- UNI EN 14001:2004 Environment Certification.

ITA Mounting Class II


Range: 3,700 - 5,500 Lbs.

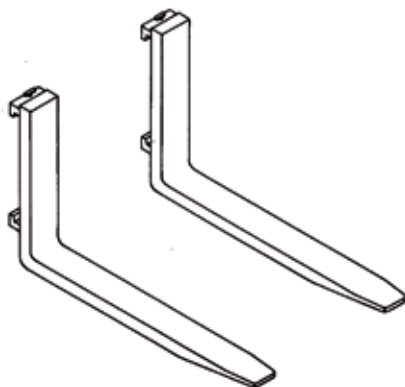
Part Number	Capacity per pair Lbs. @ 24"	Mounting Class	Fork Section			Taper Type	Fork Weight	Net Price Each Fork
			W	T	L			
H51C100350910SD	3,700	II	4.0"	1.25"	36"	STD	Lbs. 79	U.S.A. \$.
H51C100351070SD	3,700	II	4.0"	1.25"	42"	STD	86	
H51C100351220SD	3,700	II	4.0"	1.25"	48"	STD	93	
H51C100400910SD	5,500	II	4.0"	1.50"	36"	STD	88	
H51C100401070SD	5,500	II	4.0"	1.50"	42"	STD	95	
H51C100401220SD	5,500	II	4.0"	1.50"	48"	STD	104	
H51C100401370SD	5,500	II	4.0"	1.50"	54"	STD	115	
H51C100401520SD	5,500	II	4.0"	1.50"	60"	STD	128	
H51C100450910SD	5,500	II	4.0"	1.75"	36"	STD	101	
H51C100451070SD	5,500	II	4.0"	1.75"	42"	STD	108	
H51C100451070TP	5,500	II	4.0"	1.75"	42"	FTP	106	
H51C100451220SD	5,500	II	4.0"	1.75"	48"	STD	117	
H51C100451220TP	5,500	II	4.0"	1.75"	48"	FTP	115	
H51C100451370SD	5,500	II	4.0"	1.75"	54"	STD	130	
H51C100451370TP	5,500	II	4.0"	1.75"	54"	FTP	126	
H51C100451520SD	5,500	II	4.0"	1.75"	60"	STD	143	
H51C100451520TP	5,500	II	4.0"	1.75"	60"	FTP	139	
H51C100451830SD	5,500	II	4.0"	1.75"	72"	STD	173	
H51C122401070SD	5,500	II	5.0"	1.50"	42"	STD	128	
H51C122401220SD	5,500	II	5.0"	1.50"	48"	STD	134	
H51C122401220TP	5,500	II	5.0"	1.50"	48"	FTP	132	
H51C122401370SD	5,500	II	5.0"	1.50"	54"	STD	152	
H51C122451070SD	5,500	II	5.0"	1.75"	42"	STD	139	
H51C122451220SD	5,500	II	5.0"	1.75"	48"	STD	150	
H51C122451370SD	5,500	II	5.0"	1.75"	54"	STD	165	
H51C122451520SD	5,500	II	5.0"	1.75"	60"	STD	176	
H51C122451830SD	5,500	II	5.0"	1.75"	72"	STD	220	

Notes:

- Taper Type:
 - STD = Standard Fork.
 - FTP = Tapered Fork.
- Warranty: 24 months from date of delivery to customers, for defective materials or workmanship. This warranty does not apply if such defect has been caused by alteration, improper use or operation.
- Prices: prices for each fork.

Options:

- Different fork sections and lengths.
- Pin-type mounting.
- Forks for special applications.

Range: 8,200 - 10,000 Lbs.


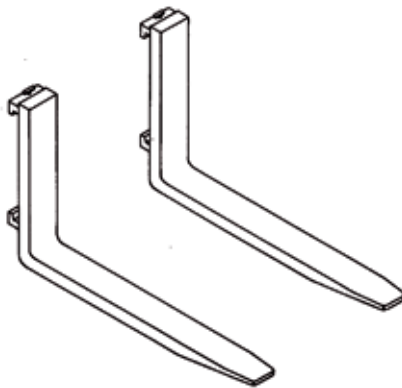
Part Number	Capacity per pair Lbs. @ 24"	Mounting Class	Fork Section			Taper Type	Fork Weight	Net Price Each Fork
			W	T	L			
H51E122451070SD	8,200	III	5.0"	1.75"	42"	STD	Lbs. 150	U.S.A. \$.
H51E122451220SD	8,200	III	5.0"	1.75"	48"	STD	163	
H51E122451520SD	8,200	III	5.0"	1.75"	60"	STD	192	
H51E122500910SD	10,000	III	5.0"	2.00"	36"	STD	151	
H51E122501070SD	10,000	III	5.0"	2.00"	42"	STD	165	
H51E122501070TP	10,000	III	5.0"	2.00"	42"	FTP	163	
H51E122501220SD	10,000	III	5.0"	2.00"	48"	STD	179	
H51E122501220TP	10,000	III	5.0"	2.00"	48"	FTP	176	
H51E122501370SD	10,000	III	5.0"	2.00"	54"	STD	194	
H51E122501520SD	10,000	III	5.0"	2.00"	60"	STD	212	
H51E122501520TP	10,000	III	5.0"	2.00"	60"	FTP	196	
H51E122501830SD	10,000	III	5.0"	2.00"	72"	STD	245	
H51E122502130SD	10,000	III	5.0"	2.00"	84"	STD	289	
H51E122502438SD	10,000	III	5.0"	2.00"	96"	STD	333	
H51E150501070SD	10,000	III	6.0"	2.00"	42"	STD	194	
H51E150501220SD	10,000	III	6.0"	2.00"	48"	STD	209	
H51E150501220TP	10,000	III	6.0"	2.00"	48"	FTP	207	
H51E150501370SD	10,000	III	6.0"	2.00"	54"	STD	229	
H51E150501520SD	10,000	III	6.0"	2.00"	60"	STD	249	
H51E150501830SD	10,000	III	6.0"	2.00"	72"	STD	304	
H51E150502130SD	10,000	III	6.0"	2.00"	84"	STD	346	
H51E150502438SD	10,000	III	6.0"	2.00"	96"	STD	381	
H51E200401220TP	10,000	III	8.0"	1.50"	48"	FTP	201	
H51E200401520TP	10,000	III	8.0"	1.50"	60"	FTP	225	

Notes:

- Taper Type:
 - STD = Standard Fork.
 - FTP = Tapered Fork.
- Warranty: 24 months from date of delivery to customers, for defective materials or workmanship. This warranty does not apply if such defect has been caused by alteration, improper use or operation.
- Prices: prices for each fork.

Options:

- Different fork sections and lengths.
- Pin-type mounting.
- Forks for special applications.


Range: 12,600 - 17,500 Lbs.

Part Number	Capacity per pair Lbs. @ 24"	Mounting Class	Fork Section			Taper Type	Fork Weight	Net Price Each Fork
			W	T	L			
H51G150501220SD	12,600	IV	6.0"	2.00"	48"	STD	Lbs. 117	U.S.A. \$.
H51G150501370SD	12,600	IV	6.0"	2.00"	54"	STD	126	
H51G150501520SD	12,600	IV	6.0"	2.00"	60"	STD	133	
H51G150501830SD	12,600	IV	6.0"	2.00"	72"	STD	156	
H51G150502130SD	12,600	IV	6.0"	2.00"	84"	STD	176	
H51G150502438SD	12,600	IV	6.0"	2.00"	96"	STD	196	
H51G150600910SD	15,500	IV	6.0"	2.00"	36"	STD	254	
H51G150601070SD	15,500	IV	6.0"	2.00"	42"	STD	269	
H51G150601220SD	15,500	IV	6.0"	2.00"	48"	STD	293	
H51G150601370SD	15,500	IV	6.0"	2.00"	54"	STD	320	
H51G150601520SD	15,500	IV	6.0"	2.00"	60"	STD	344	
H51G150601830SD	15,500	IV	6.0"	2.00"	72"	STD	395	
H51G150602130SD	15,500	IV	6.0"	2.00"	84"	STD	432	
H51G150602438SD	15,500	IV	6.0"	2.00"	96"	STD	494	
H51G150651220SD	17,500	IV	6.0"	2.50"	48"	STD	147	
H51G150651370SD	17,500	IV	6.0"	2.50"	54"	STD	157	
H51G150651520SD	17,500	IV	6.0"	2.50"	60"	STD	171	
H51G150651830SD	17,500	IV	6.0"	2.50"	72"	STD	195	
H51G150652130SD	17,500	IV	6.0"	2.50"	84"	STD	216	
H51G150652438SD	17,500	IV	6.0"	2.50"	96"	STD	240	
H51G180501220TP	15,200	IV	7.0"	2.00"	48"	FTP	118	
H51G200501220SD	16,800	IV	8.0"	2.00"	48"	STD	153	
H51G200501830SD	16,800	IV	8.0"	2.00"	72"	STD	201	
H51G200502438SD	16,800	IV	8.0"	2.00"	96"	STD	262	
H51G250401200TP	13,400	IV	10.0"	1.50"	48"	FTP	130	
H51G250401520TP	13,400	IV	10.0"	1.50"	60"	FTP	145	

Notes:

- Taper Type:
- STD = Standard Fork.
- FTP = Tapered Fork.
- Warranty: 24 months from date of delivery to customers, for defective materials or workmanship. This warranty does not apply if such defect has been caused by alteration, improper use or operation.
- Prices: prices for each fork.

Options:

- Different fork sections and lengths.
- Pin-type mounting.
- Forks for special applications.

Vision Systems *Easy-FORK*

Easy-FORK Vision Systems significantly increase safety in the storage areas.

The Easy-Fork Vision Systems range includes the Side fork camera, the Tip fork camera.

Well protected cabling inside the fork



Waterproof and shock resistant camera

Fork mounted side camera

The high quality fork mounted side camera is a great help to the forklift truck driver during loading, unloading and warehousing operations, in particular when moving pallets at high levels on shelves.

Thanks to the camera position, the driver can have a clear view on both forks, with a horizontal 52° viewing angle, while maintaining the correct ergonomic position on the seat.

Camera images are displayed on a 7 inch. monitor installed inside the driver cabin. The connection between camera and monitor can be wireless (standard) or through a reinforced cable with cable-reel.

Easy-FORK factory kit and aftermarket solutions are available in customized and different configurations.

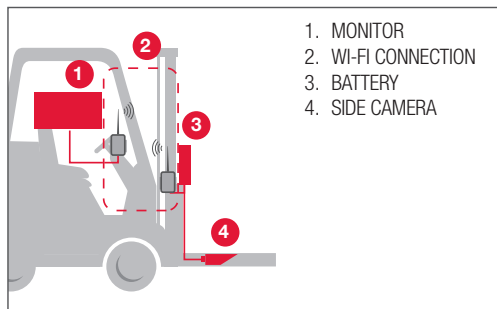
Camera:

- Waterproof IP69K
- Vibration 10G & Shock 100G
- Operating temperature
-40°C to +85°C
-40°F to +185 F.
- Mounted on the inner side of the right fork with a 52° angle

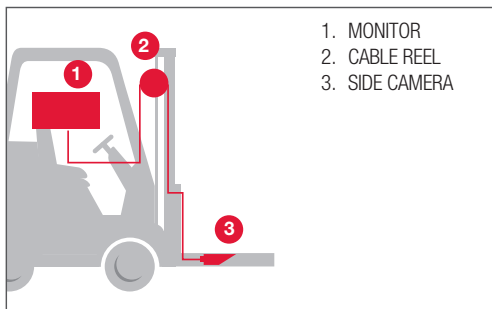
Monitor:

- High-resolution 7" TFT LCD screen
- 16:9 display
- Supplied with metallic support
- 5 language display selection
- Operating temperature:
- 30°C to +70°C
22°F to +158°F

CONNECTION SYSTEM: WI-FI



CONNECTION SYSTEM: CABLE REEL



Note: for quote please consult Bolzoni.

Unobstructed view both with and without load on the forks



High quality camera with LED lights completely integrated in the fork tip

Fork mounted tip camera

This type of solution allows the complete visibility upfront even when the load is on the forks.

The robust IR camera has triple LED lights and is completely integrated in the fork tip. The connection cable remains inside the blade. Thanks to the led lights, the loading is made safe even in low light conditions.

Thanks to the camera position, the driver can have a clear view on the area, with a horizontal 52° viewing angle, while maintaining the correct ergonomic position on the seat.

Camera images are displayed on a 7 inch. monitor installed inside the driver cabin. The connection between camera and monitor can be wireless or through a reinforced cable with cable-reel.

Easy-FORK factory kit and aftermarket solutions are available in customized and different configurations.

In case of standard wireless transmission, the position of battery and transmitter is on top of the fork shank in a well-protected and easy to access location.



Camera:

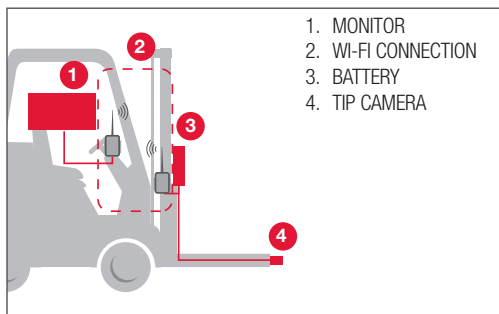
- Waterproof IP69K
- Vibration 10G & Shock 100G
- Operating temperature
-40°C to +85°C
-40°F to +185 F.
- Horizontal camera installation
(0° angle of inclination).



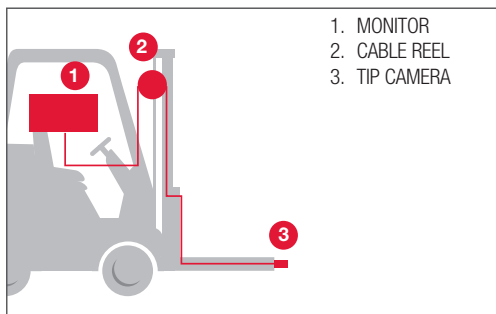
Monitor:

- High-resolution 7" TFT LCD screen
- 16:9 display
- Supplied with metallic support
- 5 language display selection
- Operating temperature:
- 30°C to +70°C
22°F to +158°F

CONNECTION SYSTEM: WI-FI



CONNECTION SYSTEM: CABLE REEL



Note: for quote please consult Bolzoni.

Well protected, best visibility, centered vision camera



Line laser configuration

Front mounted camera & Line Laser

The high quality front mounted camera is a great help to fork lift truck driver during loading and unloading operations, particularly when moving pallets at high levels on shelves.

The front camera is positioned on top of a central support allowing both camera and laser installation. Amongst the Easy-FORK Vision System solutions, the front camera is particularly suitable for side shifting and fork positioning heavy-duty applications.

This robust camera has a waterproof IP69K protection, is 10G highly shock resistant, and is equipped with demisting system which makes it suitable for cold room applications. The camera is positioned in a stainless steel support, together with the laser battery.

Thanks to the camera position, the driver can have a clear view on both fork tips, in the majority of operating conditions, with central 120° viewing angle, while maintaining the correct ergonomic position on the seat.

The color camera is equipped with 6 IR leds to enable a perfect vision even in low light environments. Images are displayed on a 7 inch. monitor installed inside the driver cabin which takes power from the truck battery. The connection between camera and monitor can be wireless or through a reinforced cable and cable-reel.

The well protected laser projects a linear blade with 90-degrees angle which is aligned with the fork tips and guarantees the correct reference when loading a pallet. Laser is Radiation Class 1 category according to DIN EN 60825-1, which is safe even for long term intentional view.



Camera:

- Waterproof IP69K
- Vibration 10G & Shock 100G
- Operating temperature
-20°C to +70°C / -4°F to +158°F
- Dimensions:
L 70 x H 44 x P 57mm
(without brackets)
- Weight : 310g (without brackets)



Monitor:

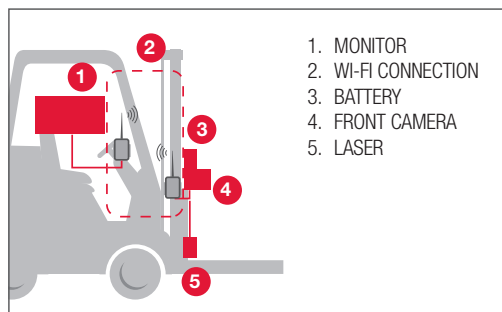
- High-resolution 7" TFT LCD screen
- 16:9 display
- Supplied with metallic RAM
- 5 language display selection
- Operating temperature:
- 30°C to +70°C
22°F to +158°F



Line Laser:

- Laser Class 1
- Line laser, colour green, 90°
- Operating temperature:
-10°C to 60° / 14°F to 140°F
- Beam shape: line

CONNECTION SYSTEM: WI-FI



Note: for quote please consult Bolzoni.

Benefit

- Installation within 5 minutes
- Completely wireless through bluetooth: no cabling
- Fork power supply by Li-ion compact battery packs
- Digital calibration
- Load warning for tip and side loading
- Easy to install in combination with fork positioners
- Efficient power management
- Tested 1,000,000 cycles at 125% of capacity
- Automatic compensation for mast tilt angle

RAVAS



iForks, the hugely successful RAVAS scale forks.

With only 2.3 inch fork height and no external components on the fork shank, iForks-32 looks more and more like standard lift truck forks. The upgraded 3200 driver display offers attractive new features, like standard Bluetooth connectivity.

Lithium ion power: compact, green and reliable.

All scale components on the forks are hidden below and behind the fork shoe, creating an efficient look for iForks-32.

No external components on the fork shank, making iForks-32 even more easy to fit onto fork positioners. iForks-32 is only marginally higher than standard lift truck forks.

High accuracy: automatic compensation for mast tilt.

The 3200 weight indicator includes automatic tilt compensation, to automatically correct weight errors that occur when the mast tilts and the forks are not in horizontal position. The 3200 instrument automatically logs tip loads and overload events.

Lithium Standard with Bluetooth

Bluetooth 4.0 is a standard feature on the 3200, providing connectivity to tablets and smart phones. The RAVAS WeightsApp is available from Google Play and the App store. It acts as a remote display and remote control for the scale, but also allows you to download data from the 3200 instrument and send it via email.



NOTES

[illegible]

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