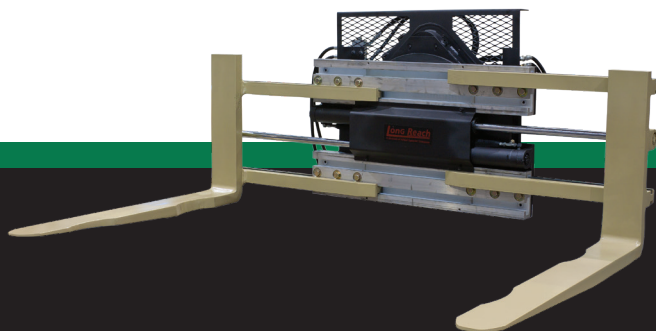
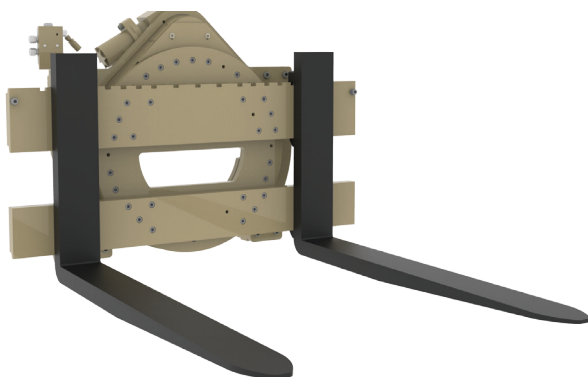
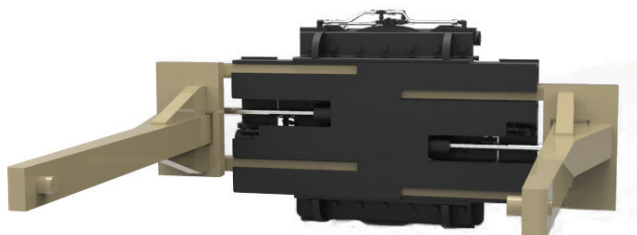




A Division of Allied Systems Company



2021

Product Catalog

Multi-Pallet
Handlers

Fork Positioners
& Sideshifters

Integral
Carriages

Paper Roll
Clamps

Lateral Clamps

Carton Clamps

Push-Pulls &
Load Push

Rotators

Custom
Attachments

Accessories

Forks



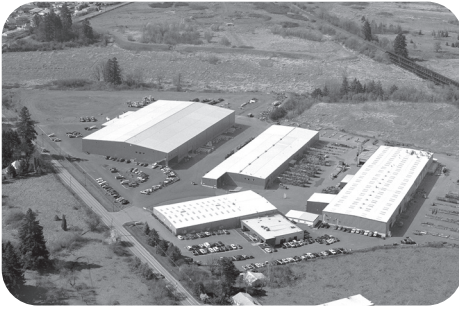
A Division of Allied Systems Company

**Put productivity up front
with Long Reach lift truck
attachments! Long Reach
offers durable and robust
attachments specifically
designed to fit your handling
needs. For over 70 years,
Long Reach has built
custom attachments that
offer customers outstanding
performance at a great value.**



**Proudly built in
the USA.**

About Allied Systems Company



Allied Systems Company was founded in 1976 as a fabricator of material handling equipment for the wood products industry. Since that time, Allied has expanded and now owns several different product lines including Allied Marine Crane, Allied Winch, Wagner products (including the Chipdozer, Logstacker and Steel Handler), Freeman Balers and Long Reach lift truck attachments and other material handling products.

How to Reach Us

By mail:

Long Reach Division
Allied Systems Company
21433 SW Oregon St.
Sherwood, OR 97140

By phone:

800.285.7000 or 503.625.2560

By email:

marketing@alliedsystems.com

By fax:

503.625.7269

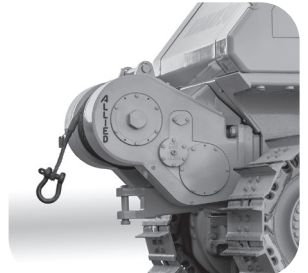
Other Quality Products from Allied Systems Company



Wagner Logstacker



Wagner Chipdozer



Allied Winch



Wagner Coil Handlers



Allied Marine Crane



Freeman Balers

Long Reach Attachment Index

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Important Information

Prices

Prices are list unless otherwise indicated. Prices are in U.S. dollars and do not include any local, state or federal taxes, or any duties that may be applicable. Long Reach's (LR) regular terms of sale apply to all transactions unless otherwise agreed upon and confirmed in writing by LR. Prices are subject to change without notice.

Freight

All prices are F.O.B. Sherwood Oregon 97140, unless otherwise agreed upon and confirmed in writing by LR. Export, special packaging, crating or handling is available at additional cost.

Specifications/Dimensions

All specifications are subject to change without notice. All dimensions are in inches and pounds unless otherwise noted.

Special/Custom Engineered Products

Custom products are available. Call 1.800.285.7000 for details.

Attachment Capacity

Capacities shown are approximate and represent a structural rating only. The formula below can be used to determine an approximate net truck capacity. Actual net truck capacity must be determined by the lift truck manufacturer. Only capacity ratings obtained from the lift truck manufacturer may be shown on the truck's nameplate.

Merchantability/Fitness for a Particular Purpose

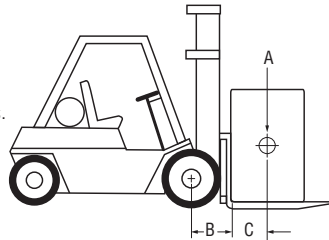
LR makes no claims, express or implied, about the merchantability or fitness for a particular purpose of the products herein.

Arm and Fork Length/Height

This dimension refers to the usable arm or fork length of the attachment. This is the distance from where the load rests against the attachment to the leading tip of the arm.

How to Determine Net Truck Capacity

- A = Truck's basic capacity in pounds.
- B = Distance from center line of front wheel to fork face in inches.
- C = Distance from fork face to rated load center in inches.
- D = Weight of the attachment in pounds.
- E = Distance from center line of front wheel to carriage face in inches.
- F = Distance from carriage face to attachment's center-of-gravity in inches.
- G = Distance from carriage face to rear face of load in inches.
- H = Distance from rear face of load to load center in inches.



$$\text{Net Capacity} = \frac{A (B + C) - D (E + F)}{E + G + H}$$

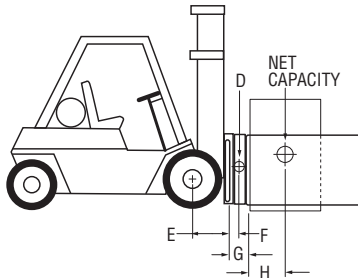
Example:

Assume: A = 4,000 lb C = 24" E = 10" G = 6"
B = 12" D = 1,000 lb F = 9" H = 24"

$$\text{Net Capacity} = \frac{4,000 \text{ lb} (12" + 24") - 1,000 (10" + 9")}{10" + 6" + 24"}$$

$$\text{Net Capacity} = \frac{144,000 \text{ in} \cdot \text{lb} - 19,000 \text{ in} \cdot \text{lb}}{40"}$$

$$\text{Net Capacity} = 3,125 \text{ lb}$$



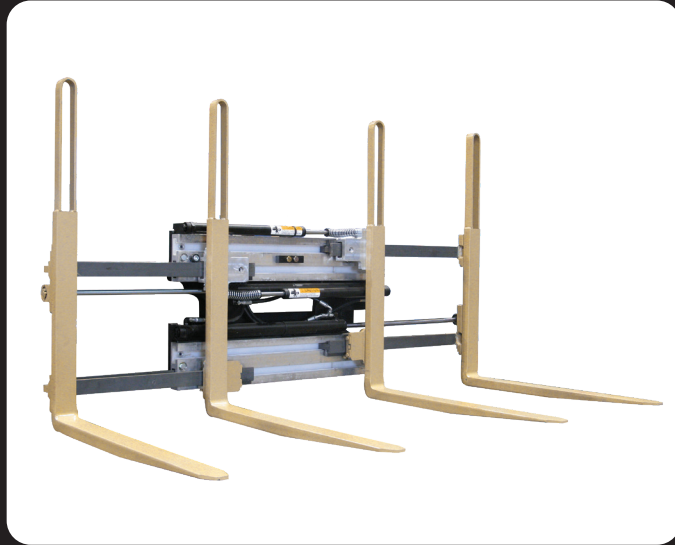
Caution

This calculation is an approximate capacity only! For actual rated capacity, consult your truck manufacturer.



A Division of Allied Systems Company

Multi-Pallet Handlers

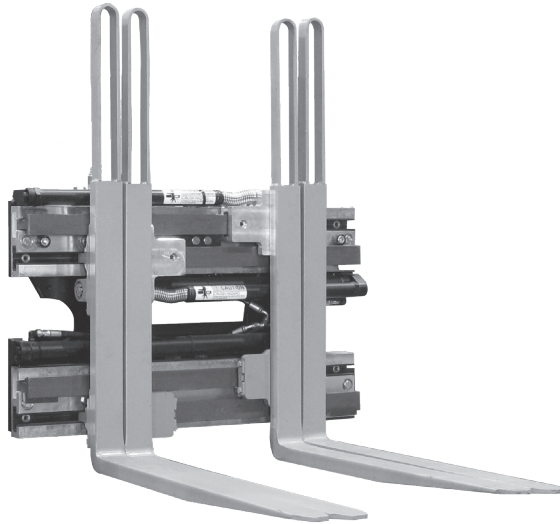


Long Reach multi-pallet handlers lift one or two pallets, with good visibility, heavy-duty construction and require low maintenance.



**The multi-pallet
handler that
manufacturers
with extreme
and high cycle
operations use.**

Multi-Pallet Handlers



LFD Multi-Pallet Handlers

- ♦ Increase productivity and reduce cost with a Long Reach multi-pallet handler. You can efficiently handle either one or two pallets.
- ♦ Bolt-on or quick mounting hook options.
- ♦ Flow divider for equal arm movement.
- ♦ Easy installation—no welding required.
- ♦ Low-profile, see-through body and loop-type backrest provide operator with an unobstructed view of floor level and second tier stacking heights.
- ♦ Standard model handles popular CHEP and GMA pallets.
- ♦ Models designed specifically for the beverage industry are available.

Durability

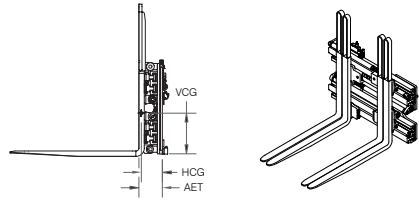
- ♦ Heavy duty bronze sideshift hooks ensure long service life.
- ♦ High capacity wear strips keep arms rigid.

No-Fuss Maintenance

- ♦ Service cylinders from the front.
- ♦ Interchangeable outer and inner forks.
- ♦ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes—your load stays grease-free.

LFD Multi-Pallet Handlers

- Handles one or two pallets at a time
- Mechanically positioned inner forks
- Sideshifting included, equal fork movement
- Loop-style 48" backrest standard
- Bolt-on mounting for easy installation



Sideshifting Single/Dual Pallet Handler, 2 Functions

Model Number	Capacity lb @ 24"	Fork Size W x L (in)	Inner Fork Range ITI	Outer Fork Range OTO	Fork Set Spacing OTO	Body Width (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LFDA55SFC336-5A	5,500	3 x 36	13.5-26	26-80	27	41	II or III	8.5	7.6	11.3	1,070
LFDA55SFC342-5A	5,500	3 x 42							8.2	10.9	1,090
LFDA55SFC332-5B	5,500	3 x 32	11-27	24-75	24	41	II or III	8.5	6.3	11.8	1,005
LFDA55SFC336-5B	5,500	3 x 36							6.9	11.5	1,030
LFDA50SFC342-55	5,000	3 x 42	16-30	28.8-87.3	28.5	43	II or III	8.5	8.1	11.0	1,115
LFDA50SFC348-55	5,000	3 x 48							8.5	10.8	1,125
LFDA55SFC342-55	5,500	3 x 42	16-30	28.3-87.3	28.5	43	II or III	8.5	8.1	11.0	1,115
LFDA55SFC348-55	5,500	3 x 48							8.5	10.8	1,125
LFDA70SFC442-70*	7,000	4 x 42	20-29	33-87	29	48	III	8.6	8.0	11.2	1,315
LFDA70SFC448-70*	7,000	4 x 48							8.9	10.9	1,345

Single/Double/Triple Pallet Handler

LFT-55NS-FM332	5,500	3 x 32	Consult Factory			48	II or III	Consult Factory for Specifications and Price			
----------------	-------	--------	-----------------	--	--	----	-----------	--	--	--	--

Capacities to 9,000 lb available; consult factory.

Specifications are with standard loop-type 48" high load backrest. Other load backrest options available, including tubular and interlocking.

*Outer fork widths on LFD-70 models are 4.0"; inner forks are 3.0" wide.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Recommended psi
All Models	7-10	2,500

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

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LFD-5A/5B	41	42
LFD-55	43	42
LFD-70	48	43

Optional Mounting Hooks

Description	
Class II	Quick change hooks
Class III	Quick change hooks

Mounting other than shown, consult factory.

Optional Features

Description
Lower Steel Heel Rollers

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Industry Recommendations

Beverage Industry. The LFD-5B is suited for the general beverage applications. It provides the greatest ease of handling for pallets measuring 30 - 40". Optional interlocking backrest is available.

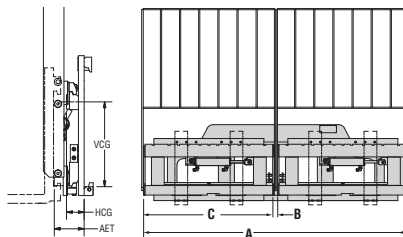
The Single/Double/Triple is designed for handling two or three 32" -wide beverage pallets and two 42- or 44" -wide container pallets. This unit can be used in bottling or can plants or in the empty container vendor's operation. Contact factory for more details.

Food Industry. The LFD-55 is ideal for handling GMA or CHEP® pallets. Fork set spacing and range permits handling of GMA pallets from both the 40" and 48" sides.

General Warehousing. The LFD-5A handles the widest variety of pallet sizes.

Dual Sideshifters

- Includes load backrest
- Individual sideshifting for each pallet
- Minimal AET to maximize net truck capacity
- Uses heavy-duty sideshifter design
- Bronze top slide
- Hardened steel lower heel rollers



Class II, III and IV, 1 or 2 Function

Model Number	Total Capacity lbs @ 24"	Truck Mtg. Class ¹	Min. Truck Carriage Width (in)	A OAW Min.-Max. (in)	B Center Spacing (in)	C Front Carr. Width (in)	Base Frame Width (in)	SS Stroke Each (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
SDNC055A08337			36	75-83	0-9 ²	37	69	8.0	4.3	2.6		725
SDNC055A09131			31	64-91	2-29	31	68	13.5	4.5	2.6		765
SDNC055A09141	5,500	II or III	36	83-91	0-9 ²	41	73	8.0	4.3	2.6	12.5	785
SDNC055A09531			31	68-95	6-33	31	72	13.5	4.5	2.6		790
SDNC055A09931			31	71-98	9-36	31	75	13.5	4.5	2.6		805
SDNC100B08337 ³			38	75-83		37	69					775
SDNC100B09141 ³	10,000	III or IV	38	83-91	0-9 ²	41	73	8.0	4.5	2.6	14.0	835
SDNC100B10146 ³			38	93-101		46	78					875

¹ Truck mounting class to be specified at time of order.

² For B = 0 - 9", front carriage will shift past center by 3.5"

³ Not available with Class IV fork bars.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Important Notes

1. Price includes 48" high load backrest.
2. Forks are not included.
3. When ordering, please specify truck carriage width.
4. Quick disconnect mounting, lower hooks standard.

Recommended Hydraulic Supply

Model Number	Min	Flow (gpm)	Max	Recommended psi
Class II	1	2	5	2,500-3,000
Class III/IV	1	4	7	2,500-3,000

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

Optional Features

Description
Flow divider for equal sideshift movement
Solenoid option
Sideshifting back carriage
Unit without load backrests
Pin-type mounting
Steel Heel Rollers

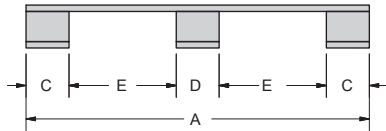
Hydraulic Configuration

During installation, units can be plumbed for either independent sideshift (two function) or simultaneous (one function) sideshift. Also available, simultaneous sideshift with flow divider for equal movement, see optional features.

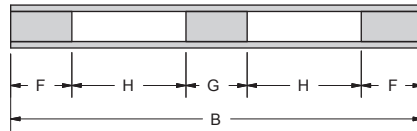
Pallet Worksheet

SIDE 1

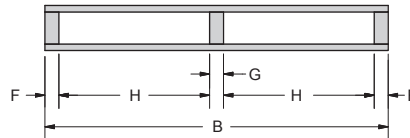
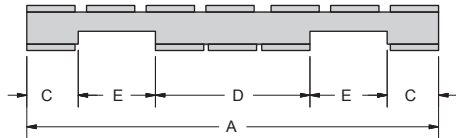
PALLET TYPE: BLOCK



SIDE 2



PALLET TYPE: GMA



PALLET TYPE: _____

WILL THE PALLET BE ENTERED FROM SIDE 1? YES ☐ NO ☐ SINGLE PALLET ☐ DOUBLE PALLET ☐

WILL THE PALLET BE ENTERED FROM SIDE 2? YES ☐ NO ☐ SINGLE PALLET ☐ DOUBLE PALLET ☐

DIMENSION A: _____; B: _____; C: _____; D: _____; E: _____; F: _____; G: _____; H: _____

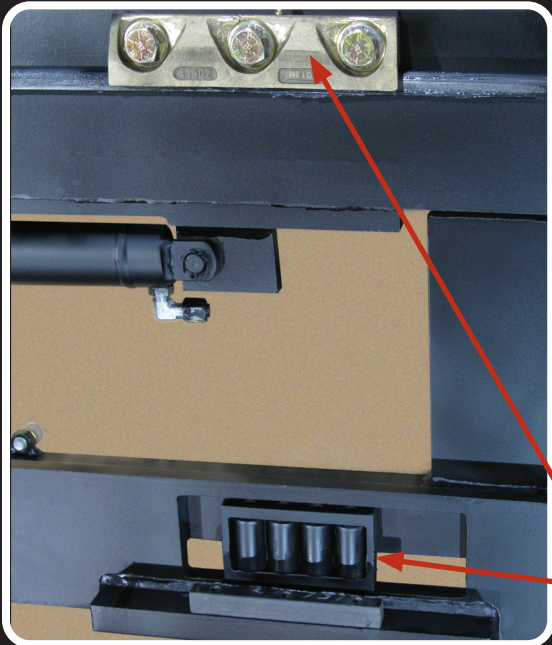
Fork Positioners & Sideshifters



Increase lift truck efficiency by hydraulically positioning forks with a Long Reach fork positioner attachment. Optional sideshifting eases load positioning for neater stacks in tight spaces.



**Wide Opening
Fork Positioners**

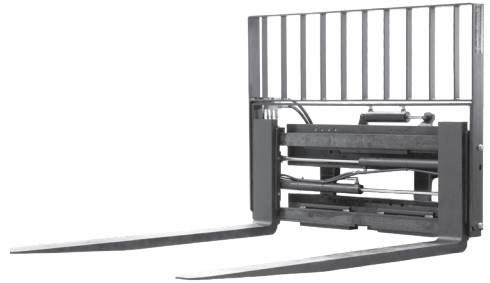


**Bronze Bushings &
Hardened Caged
Steel Heel Rollers**

Fork Positioners and Sideshifters



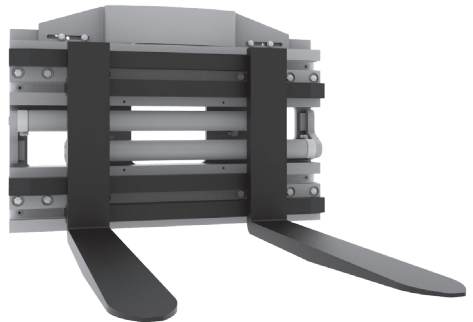
Heavy-Duty Sideshifters



Heavy-Duty Fork Positioners

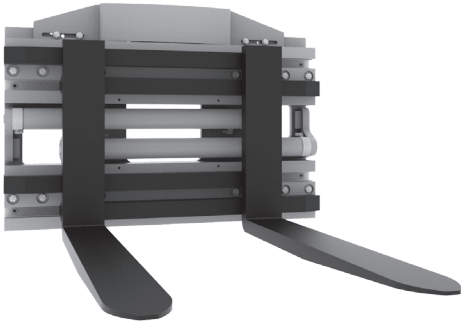


Hook-to-Pin Fork Positioners



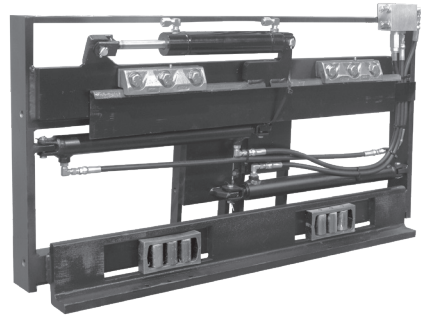
LFP Wide Opening Fork Positioners

Fork Positioners



LFP Series Wide Opening Fork Positioners

- ♦ Allows fork positioning wider than the clamp body
- ♦ Clean, grease-free handling — no lubrication required
- ♦ High net truck capacity; weld-on forks for added strength
- ♦ Flow divider for even fork movement
- ♦ Repair-N-Place serviceability



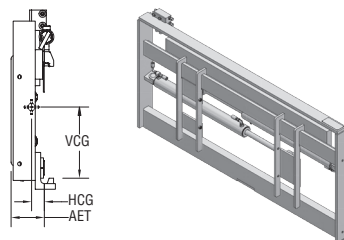
Heavy-Duty Fork Positioner

- ♦ Bolt-on design for easy installation
- ♦ No manual fork repositioning needed
- ♦ Dual fork positioning cylinders deliver superior arm speed performance for maximum efficiency
- ♦ Can be ordered either with fork carriers for ease of installation or weld-on fork anchors for maximum fork travel.

Heavy-Duty Fork Positioners

With No-Weld Fork Installation

- Fork carriers included for no-weld installation.
- Uses standard ITA forks (not included)
- Sideshifting models have bronze top slides and lower hardened caged steel heel rollers.
- Fully plumbed and ported. Pressure relief valve and flow divider



Non-Sideshifting Fork Positioners, 1 Function

Model Number	Capacity lb @ 24"	Mounting Class	Overall Width (in)	Fork Spread ITO (in) ¹	Max. Fork Width ²	Min. Truck Carriage Width (in)	Total Sideshift (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
FLNB055A325	5,500	II	32.5	2.1–29	5	22	N/A	2.75	1.5	10.4	230
FLNB055A385			38.5	2.1–35		27				10.6	280
FLNB055A425			42.5	2.1–39		27				10.1	295
FLNB055A505			50.5	2.1–47		27				10.1	340
FLNB100B425	10,000	III	42.5	2.1–39	6	30	N/A	2.5	1.4	12.3	335
FLNB100B505			50.5	2.1–47		30				12.4	385
FLNB100B625			62.5	2.1–59		40				12.2	450
FLND120C425	12,000	IV	42.5	2.1–39	6	32	N/A	3.5	1.8	15.0	565
FLND120C505			50.5	2.1–47						14.9	635
FLND120C625			62.5	2.1–59						14.1	795
FLND150C425			42.5	2.1–39						15.0	565
FLND150C505	15,000		50.5	2.1–47						14.9	635
FLND150C625			62.5	2.1–59						14.1	795

Sideshifting Fork Positioners, 2 Functions

FLSE055A385	5,500	II	38.5	2.1–35	5	36	8.0	3.25	1.7	10.4	315
FLSE055A425			42.5	2.1–39						10.3	330
FLSE055A505			50.5	2.1–47						10.4	370
FLSE100B425	10,000	III	42.5	2.1–39	6	38	8.0	3.25	1.8	12.9	355
FLSE100B505			50.5	2.1–47						13.0	405
FLSE100B625			62.5	2.1–59						12.9	445
FLSE120C445	12,000	IV	44.5	2.1–41	6	44	8.0	3.75	1.9	15.6	600
FLSE120C505			50.5	2.1–47		48	10.0			15.8	665
FLSE120C625			62.5	2.1–59		48	10.0			16.0	755
FLSE120C785			78.5	2.1–75		60	10.0			15.7	920
FLSE150C445	15,000		44.5	2.1–41		44	8.0		1.9	15.6	600
FLSE150C505			50.5	2.1–47		48	10.0			15.8	665
FLSE150C625			62.5	2.1–59		48	10.0			16.0	755
FLSE150C785			78.5	2.1–75		60	10.0			15.7	920

¹ Minimum fork spread range is to inside of forks. Maximum fork spread range is to outside of forks.

² Fork carriers designed for maximum fork width shown. Standard units include installation hardware for narrower forks. Consult factory for other fork width requirements.

Note: Right hand termination unless otherwise specified.

Note: Shaded items are usually in stock.

Load Backrest: ITA Class II, III, IV

Model Number	ITA Class	Fork Pos. Width	Backrest Height	Wt
Y23LBR36-32.50	II	32.5	36	60
Y23LBR48-32.50	II	32.5	48	75
Y23LBR60-32.50	II	32.5	60	85
Y23LBR36-38.50	II	38.5	36	60
Y23LBR48-38.50	II	38.5	48	80
Y23LBR60-38.50	II	38.5	60	95
Y23LBR36-42.50	II or III	42.5	36	65
Y23LBR48-42.50	II or III	42.5	48	85
Y23LBR60-42.50	II or III	42.5	60	105
Y23LBR36-50.50	II or III	50.5	36	75
Y23LBR48-50.50	II or III	50.5	48	95
Y23LBR60-50.50	II or III	50.5	60	115
Y23LBR36-62.50	III	62.5	36	80
Y23LBR48-62.50	III	62.5	48	105
Y23LBR60-62.50	III	62.5	60	130
Y4LBR48-42.50	IV	42.5	48	115
Y4LBR60-42.50	IV	42.5	60	140
Y4LBR48-50.50	IV	50.5	48	130
Y4LBR60-50.50	IV	50.5	60	165
Y4LBR48-62.50	IV	62.5	48	145
Y4LBR60-62.50	IV	62.5	60	190
Y4LBR48-78.50	IV	78.5	48	165

Important Notes

1. Fork positioners are NOT intended to be used as clamps. See Section E Lateral Clamps for fork clamps.
2. Forks are NOT to be positioned while bearing a load.
3. Consult factory for models for extended load center applications.
4. Standard ITA II and III units are designed to accept forks up to 72" long. Standard ITA IV units accept forks up to 96" long.
5. Specify fork width and length when ordering.
6. Shaded items are usually in stock.
7. Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	3.2	4.1	2,200–3,000
10,000/Class III	2.9	6.4	2,200–3,000
12,000-15,000/Class IV	4.0	12.0	2,200–3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular arm movement. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Optional Features

Description
Independent fork movement (Adds 1 hydraulic function)
Sequence valve
Solenoid valve (specify voltage)
Cylinder Cover

Installation Kits

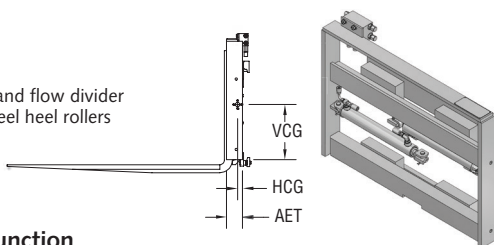
Model Number	Number of Functions
YHJL-4-S-22	1
YHJL-6-S-30	
YHJL-4-D-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Heavy-Duty Fork Positioners

Weld-On Fork Installation

- Superior, full carriage fork movement
- Uses standard ITA forks (not included)
- Fully plumbed and ported. Pressure relief valve and flow divider
- Sideshifting models use bronze top slides and steel heel rollers



Non-Sideshifting Fork Positioners, 1 Function

Model Number	Capacity lb @ 24"	Mounting Class	Overall Width (in)	Fork Spread ITO (in) ¹	Min. Truck Carriage Width (in)	Total Side- shift (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
FLNC055A325	5,500	II	32.5	0-30	22	N/A	2.75	1.4	10.3	220
FLNC055A385			38.5	0-36	27			1.3	10.2	255
FLNC055A425			42.5	0-40	27			1.3	10.1	275
FLNC055A505			50.5	0-48	33			1.4	10.0	320
FLNC100B425	10,000	III	42.5	0-40	28	N/A	2.5		12.4	305
FLNC100B505			50.5	0-48	32			1.3	12.5	355
FLNC100B625			62.5	0-60	40				12.3	420
FLNC150C425	15,000	IV	42.5	0-40	32	N/A	3.5	1.6	14.0	530
FLNC150C505			50.5	0-48	38			1.7	14.8	600
FLNC150C625			62.5	0-60	38			1.7	14.2	755

Sideshifting Fork Positioners, 2 Functions

FLSF055A385	5,500	II	38.5	0-36	36	8.0	3.3	1.6	10.4	295
FLSF055A425			42.5	0-40	36					310
FLSF055A505			50.5	0-48	36					350
FLSF100B425	10,000	III	42.5	0-40	38	8.0	3.3	1.6	12.9	325
FLSF100B505			50.5	0-48	38			1.7	13.0	360
FLSF100B625			62.5	0-60	38			1.7	12.9	410
FLSF150C425	15,000	IV	42.5	0-40	48	10.0	3.2	1.7	15.9	530
FLSF150C505			50.5	0-48	48			1.9	15.8	625
FLSF150C625			62.5	0-60	48			2.0	16.0	715

¹ Minimum fork spread range is to inside of forks. Maximum fork spread range is to outside of forks.

Note: Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Installation Kits

Model Number	Number of Functions
YHJL-4-S-22	1
YHJL-6-S-30	
YHJL-4-D-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Load Backrest: ITA Class II, III, IV

Model Number	ITA Class	Fork Pos. Width	Backrest Height	Wt
Sideshifting for LFP models	II	32.5	36	60
Y23LBR48-32.50	II	32.5	48	75
Y23LBR60-32.50	II	32.5	60	85
Y23LBR36-38.50	II	38.5	36	60
Y23LBR48-38.50	II	38.5	48	80
Y23LBR60-38.50	II	38.5	60	95
Y23LBR36-42.50	II or III	42.5	36	65
Y23LBR48-42.50	II or III	42.5	48	85
Y23LBR60-42.50	II or III	42.5	60	105
Y23LBR36-50.50	II or III	50.5	36	75
Y23LBR48-50.50	II or III	50.5	48	95
Y23LBR60-50.50	II or III	50.5	60	115
Y23LBR36-62.50	III	62.5	36	80
Y23LBR48-62.50	III	62.5	48	105
Y23LBR60-62.50	III	62.5	60	130
Y4LBR48-42.50	IV	42.5	48	115
Y4LBR60-42.50	IV	42.5	60	140
Y4LBR48-50.50	IV	50.5	48	130
Y4LBR60-50.50	IV	50.5	60	165
Y4LBR48-62.50	IV	62.5	48	145
Y4LBR60-62.50	IV	62.5	60	190

Important Notes

1. Fork positioners are NOT intended to be used as clamps. See Section E Lateral Clamps for fork clamps.
2. Forks are NOT to be positioned while bearing a load.
3. Consult factory for models for extended load center applications.
4. Standard ITA II and III units are designed to accept forks up to 72" long. Standard ITA IV units accept forks up to 96" long.
5. Fork cylinder anchors require welding.
6. Specify fork width and length when ordering.
7. Shaded items are usually in stock.
8. Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	3.2	4.1	2,200–3,000
10,000/Class III	2.9	6.4	2,200–3,000
15,000/Class IV	4.0	12.0	2,200–3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular arm movement. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Optional Features

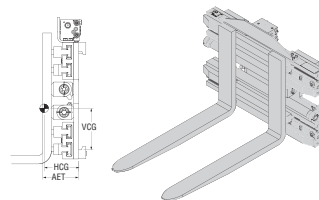
Description
Independent fork movement for FL models (Adds 1 hydraulic function)
Sequence valve for FL models
Solenoid valve for FL models (specify voltage)
Sideshifting for LFP models
Cylinder Cover

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LFP-35	36	30
LFP-45/55/70	41	35
LFP-7D	62	39
LFP-85 ITA III	50	35
LFP-85 ITA IV	50	42
LFP-10	62	42
LFP-15	56	36

LFP Series Wide Opening Fork Positioners

- Allows fork positioning wider than the clamp body
- Clean, grease-free handling — no lubrication required
- High net truck capacity; weld-on forks for added strength
- Flow divider for even fork movement
- Repair-N-Place serviceability



Non-Sideshifting Fork Positioners, 1 Function

Model Number	Capacity ¹ lb @ 24"	Range ² ITO (in)	Fork Size T x W x L (in)	Mounting Class	Body Width (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LFP-35NN-FB536	3,500	14.0–70.4	1.5 x 5 x 36	II	36	7.0	6.0	8.5	785
LFP-35NN-FB542			1.5 x 5 x 42				7.0	8.2	810
LFP-35NN-FB548			1.5 x 5 x 48				8.2	7.8	840
LFP-45NN-FB536	4,500	14.0–75.4	1.5 x 5 x 36	II/III	41	7.0	5.8	8.7	805
LFP-45NN-FB542			1.5 x 5 x 42				6.9	8.4	830
LFP-45NN-FB548			1.5 x 5 x 48				8.0	8.0	860
LFP-55NN-FC536	5,500	14.0–75.0	1.75 x 5 x 36	II/III	41	7.3	6.1	9.0	855
LFP-55NN-FC542			1.75 x 5 x 42				7.3	8.4	875
LFP-55NN-FC548			1.75 x 5 x 48				8.3	8.2	915
LFP-70NN-FD542	7,000	17.0–81.0	2 x 5 x 42	III	41	8.6	7.8	8.0	935
LFP-70NN-FD548			2 x 5 x 48				8.9	7.7	970
LFP-70NN-FD554			2 x 5 x 54				10.3	7.3	1,000
LFP-7DNN-FD542	7,000	15.0–98.4	2 x 5 x 42	III	62	9.0	5.6	9.0	1,340
LFP-7DNN-FD548			2 x 5 x 48				7.5	8.7	1,385
LFP-7DNN-FD554			2 x 5 x 54				8.5	8.4	1,410
LFP-85NP-FD648	8,500	22–97.8	2 x 6 x 48	III or IV	50	9.8	7.3	9.9	1,805
LFP-85NP-FD654			2 x 6 x 54				8.3	9.0	1,845
LFP-85NP-FD660			2 x 6 x 60				8.7	9.3	1,890
LFP-10NP-FD648	10,000	22–109.8	2 x 6 x 48	III or IV	62	9.8	6.8	9.3	1,995
LFP-10NP-FD654			2 x 6 x 54				7.7	9.0	2,035
LFP-10NP-FD660			2 x 6 x 60				8.6	8.8	2,080
LFP-15NP-FF648	15,000	22–103.8	2.5 x 6 x 48	IV	56	Consult factory for specifications and price			

¹ Carrying capacity only. Do NOT use as a clamp. See Section E, pages E-10 to E-12 for pallet fork clamps.

² Minimum fork spread range is to inside of forks. Maximum fork spread range is to outside of forks.

Optional Mounting Hooks for LFP Models

Model Number	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks

Recommended Hydraulic Supply

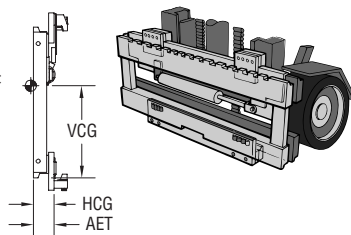
Model Number	Flow (gpm)	Max psi
LFP-35/45	7-10	2,000
LFP-70/7D	7-10	2,000
LFP-85/10/15	9-15	2,000

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

See page B-6 for Optional Features.

Heavy-Duty Sideshifters

- Easy-on mounting – no welding
- Bronze top slides and caged, hardened steel lower heel rollers instead of plastic
- Predrilled for optional load backrest.
- Other models and sizes available – consult factory



Class II, III, and IV, 1 Function

Model Number	Capacity lb @ 24"	Mounting Class	Width Range Available (in)	Total Sideshift (in) ¹	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
SLNC055A300 thru 420	5,500	II	30.0–42.0	8	2.3	1.3	11.0	140–182
SLNC055A421 thru 550			42.1–55.0					183–230
SLNC055A551 thru 720			55.1–72.0					231–395
SLNC100B400 thru 500			40.0–50.0					230–277
SLNC100B501 thru 600	10,000	III	50.1–60.0	8	2.8	1.5	13.0	278–340
SLNC100B601 thru 700			60.1–70.0					341–400
SLNC100B701 thru 800			70.1–80.0					401–450
SLNC155C400 thru 540			40.0–54.0					240–420
SLNC155C541 thru 700	15,500	IV	54.1–70.0	10	3.3	1.8	18.0	421–515
SLNC155C701 thru 800			70.1–80.0					516–565

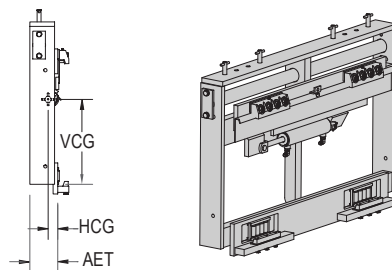
¹ For sideshift widths greater than 14" over the truck's carriage width, consult factory.
Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Load Backrest: ITA Class II, III, IV

See page B-10

Hook-to-Pin Sideshifters

- Easily reposition forks
- Solid bronze, bolt-on top sliding hooks
- Caged, hardened steel heel roller assembly
- Any width available, including jump sizes; consult factory



Class II, III, and IV, 1 Function

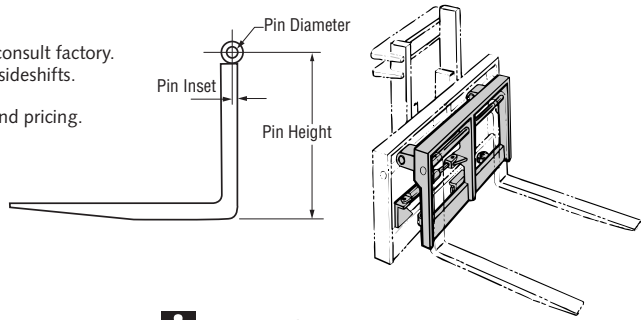
Model Number	Capacity lb @ 24"	Mounting Class	Overall Width (in)	Min. Truck Carriage Width (in)	Fork Spread ITO (in) ¹	Total Sideshift (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
SPNC055A375	5,500	II	37.5	35	1.5–36	8	2.9	2.0	14.4	260
SPNC055A395			39.5	35	1.5–38					270
SPNC055A425			42.5	35	1.5–41					285
SPNC055A455			45.5	41	1.5–44					310
SPNC055A515			51.5	41	1.5–50					330
SPNC100B420	10,000	III	42	36	2–40	8	2.9	2.1	15.1	375
SPNC100B480			48	40	2–46					410
SPNC100B500			50	40	2–48					420
SPNC100B600			60	48	2–58					480
SPNC100B620			62	48	2–60					490
SPNC155C440	15,500	IV	44	42	2–42	10	3.2	2.6	22.0	650
SPNC155C500			50	48	2–48					735
SPNC155C540			54	48	2–52					775
SPNC155C620			62	48	2–60					855
SPNC155C740			74	65	2–72					975

¹ Minimum fork spread range is to inside of forks. Maximum fork spread range is to outside of forks.

Notes: For fork-pin profiles, see pin-to-pin graphic on page B-10.

Pin-to-Pin Sideshifters

- Variety of widths and capacities available; consult factory.
- Easier to reposition forks than on ITA-style sideshifts.
- Over 30 years of sideshifter expertise.
- Consult factory for models, specifications and pricing.



✕ Load Backrest: ITA Class II, III, IV

Model Number	ITA Class	Fork Pos. Width	Backrest Height	Wt	
Y23LBR36-32.50	II	32.5	36	60	
Y23LBR48-32.50	II	32.5	48	75	\$255
Y23LBR60-32.50	II	32.5	60	85	
Y23LBR36-38.50	II	38.5	36	60	
Y23LBR48-38.50	II	38.5	48	80	\$265
Y23LBR60-38.50	II	38.5	60	95	
Y23LBR36-42.50	II or III	42.5	36	65	
Y23LBR48-42.50	II or III	42.5	48	85	\$300
Y23LBR60-42.50	II or III	42.5	60	105	
Y23LBR36-50.50	II or III	50.5	36	75	
Y23LBR48-50.50	II or III	50.5	48	95	\$340
Y23LBR60-50.50	II or III	50.5	60	115	
Y23LBR36-62.50	III	62.5	36	80	
Y23LBR48-62.50	III	62.5	48	105	\$365
Y23LBR60-62.50	III	62.5	60	130	
Y4LBR48-42.50	IV	42.5	48	115	\$405
Y4LBR60-42.50	IV	42.5	60	140	
Y4LBR48-50.50	IV	50.5	48	130	\$520
Y4LBR60-50.50	IV	50.5	60	165	
Y4LBR48-62.50	IV	62.5	48	145	\$595
Y4LBR60-62.50	IV	62.5	60	190	

Note: Shaded items are usually in stock.

! Fork Profiles

Mounting Class	Pin Diameter (in)	Pin Height (in)	Pin Inset (in)
Class II	1.75	21.0	0
Class III	2.00	25.5	0.5
Class IV	2.50	33.5	0.5

Other pin diameters available, contact factory.

! Important Notes

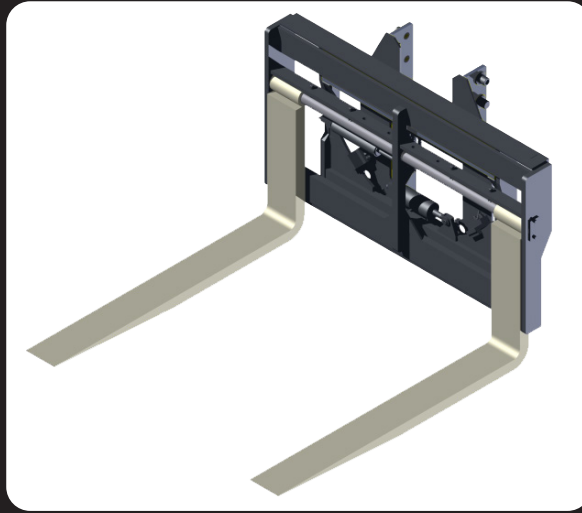
- Pin forks are not included but are available. Consult factory.
- Designed for pin fork without lower fork hook.

💧 Recommended Hydraulic Supply

Model Number	Min	Flow (gpm)	Max	Recommended psi
Class II	1	2	5	2,500–3,000
Class III	1	4	7	2,500–3,000
Class IV	1	6	11	2,500–3,000

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

Integral Carriages



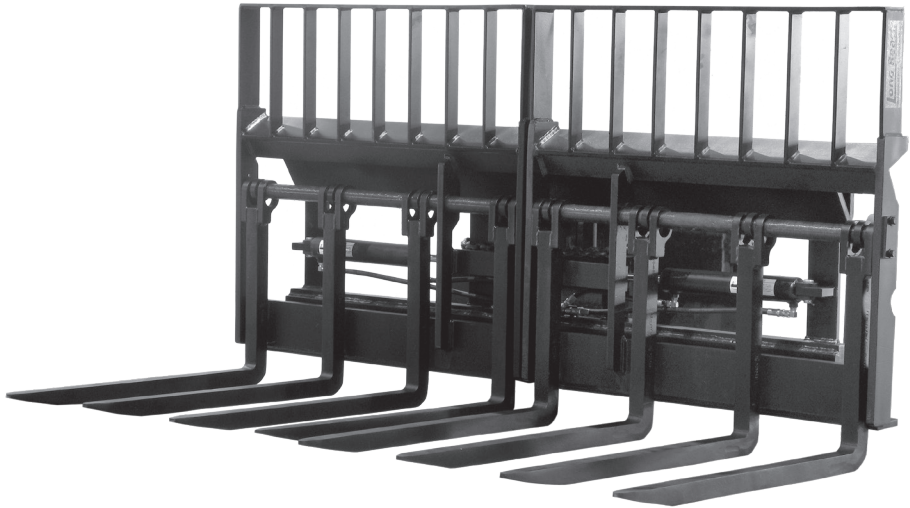
Increase productivity in difficult surroundings by pivoting, slope piling, sideshifting and fork positioning with a Long Reach integral carriage attachment.

LONG REACH[®]

A Division of Allied Systems Company



Integral Carriages



When you use an integral carriage, you:

- ♦ Maximize your net capacity
- ♦ Shorten your truck length
- ♦ Improve your visibility

With an integral carriage, you can:

- ♦ Sideshift
- ♦ Position
- ♦ Pivot-align
- ♦ Incline

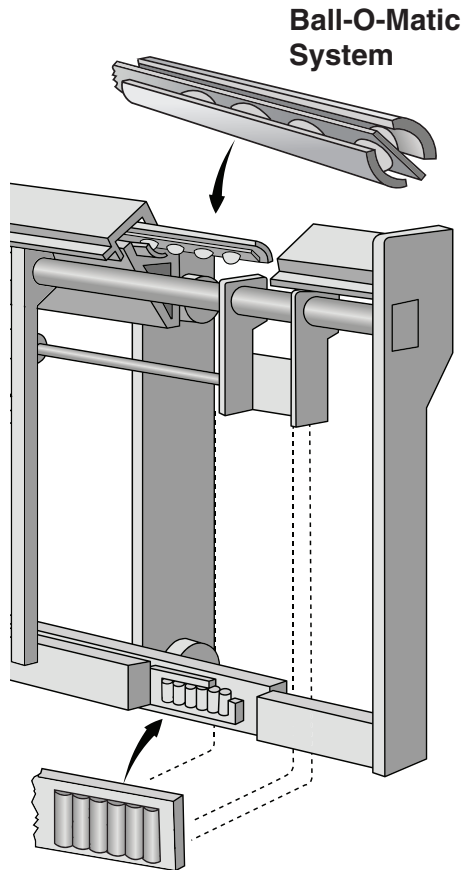
The Ball-O-Matic Advantage

Long Reach Integral Carriages use the exclusive "Ball-O-Matic" design to sideshift extreme loads in extreme environments. By combining a simple but effective ball bearing system for load support and a free floating heel roller system for thrust resistance, we have produced an anti-friction sideshifting system that is extremely durable.

The Ball-O-Matic design features a set of ball bearings in a retaining cage between two hardened steel ball races. The entire assembly is set at an angle within the top of the carriage in order to support both vertical and horizontal load forces. Friction is kept to an absolute minimum, virtually eliminating wear and the need for lubrication. In high corrosive applications, a special UHMW plastic member can replace the ball bearings and still provide smooth sideshifting action.

Hardened Caged Steel Heel Rollers

The heel roller design located at the bottom of the carriage, eliminates friction between the carriage and carriage body during sideshifting and absorbs shock during frontal impacts. In this system, a set of hardened steel rollers are captured in a roller cage mounted to the carriage body. The rollers are free to rotate within the cage without need for axles, bushings or lubrication.



**Hardened Caged
Steel Heel Rollers**

Sideshifting Integral Carriages

- Popular, durable Ball-O-Matic® top linear ball bearing & hardened steel heel rollers
- Wide range of widths and capacities available
- Additional sideshift stroke available
- Utilizes your truck's forks

Hook Type, Sideshifting, 1 Function

Model Number	Capacity @ 24" LC (lb)	Fork Bar Class	Fork Spread ¹ (in)	Additional Lost Load ² (in)	Total Shift (in)
TNSA055A38	5,500	II	0-38	3.4	8
TNSA055A42			0-42		
TNSA055A46			0-46		
TNSA055A50			0-50		
TNSA100B44	10,000	III	0-44	3.4	8
TNSA100B50			0-50		
TNSA100B56			0-56		
TNSA100B62			0-62		
TNSA155C48	15,500	IV	0-48	5.0	12
TNSA155C60			0-60		
TNSA155C72			0-72		
TNSA155C84			0-84		
TNSA177C48	17,700	IV	0-48	Consult Factory	12
TNSA177C60			0-60		
TNSA177C72			0-72		
TNSA177C84			0-84		
TNSA250F60	25,000	V	0-60	Consult Factory	12
TNSA250F72			0-72		
TNSA250F84			0-84		
TNSA250F96			0-96		

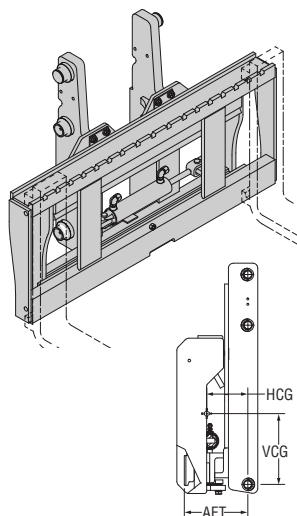
Pin Type, Sideshifting, 1 Function

Model Number	Capacity @ 24" LC (lb)	Fork Spread ¹ (in)	Total Shift (in)
TNSA100P60	10,000	2-60	10
TNSA155P72	15,500	2-72	12
TNSA180P80	18,000	2-80	12
TNSA225P80	22,500	2-80	12
TNSA250P80	25,000	2-80	12
TNSA300P80	30,000	3-80	12
TNSA360P80	36,000	3-80	12

¹ Fork spread is from inside of fully closed forks to outside of fully opened forks. Inside may change based on lift truck.

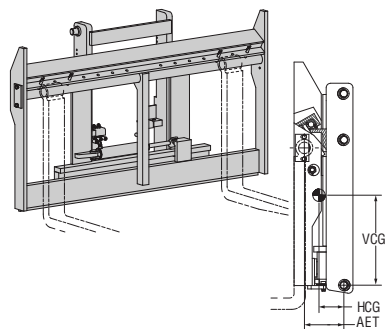
² Additional lost load dimension is an estimate of the thickness of the integral unit added to the thickness of a standard truck carriage.

³ Prices do not include carriage rollers and attaching pieces.



Important Notes

- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.
- Sideshift cylinder is unhosed. Installation requires hosing to cylinder ports located near center of carriage. Other hosing options are available.
- Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



Fork Positioning Integral Carriages

- Hydraulically position your forks; uses truck's forks
- Wide range of widths and capacities available
- Flow divider standard

Hook Type, Non-Sideshifting, 1 Function

Model Number	Capacity @ 24" (lb)	Fork Bar Class	Fork Spread ITO ¹ (in)
TNFA100B44	10,000	III	0-44
TNFA100B50			0-50
TNFA100B56			0-56
TNFA100B60			0-60
TNFA155C48	15,500	IV	0-48
TNFA155C60			0-60
TNFA155C72			0-72
TNFA155C84			0-84
TNFA177C48	17,700	IV	0-48
TNFA177C60			0-60
TNFA177C72			0-72
TNFA177C84			0-84
TNFA250F60	25,000	V	0-60
TNFA250F72			0-72
TNFA250F84			0-84
TNFA250F96			0-96

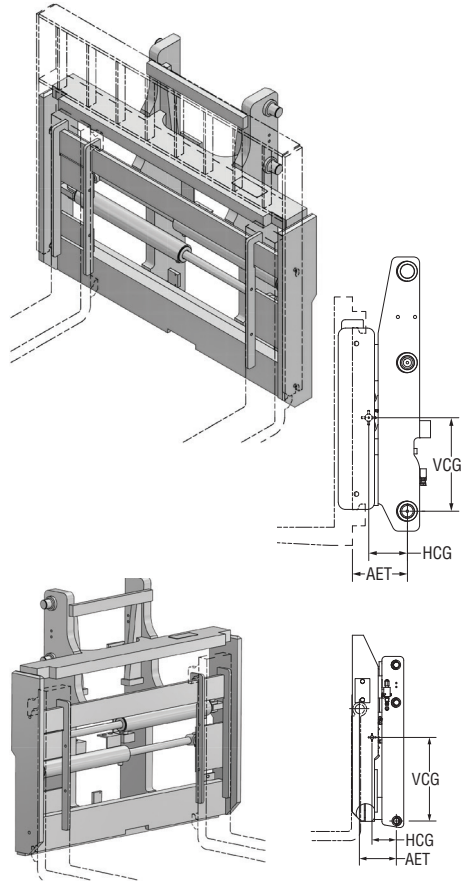
Pin Type, Non-Sideshifting, 1 Function

Model Number	Capacity @ 24" (lb)	Overall Width (in)	Fork Spread ITO ¹ (in)
TNFA100P58	10,000	62	4-58
TNFA155P70	15,500	74	4-70
TNFA180P78	18,000	82.5	4-78
TNFA225P78	22,500	83	4-78
TNFA250P78	25,000		4-78
TNFA300P78	30,000		5-78
TNFA360P78	36,000		5-78

¹ Fork spread is from inside of fully closed forks to outside of fully opened forks. Inside may change based on lift truck.

Important Notes

- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.
- With some applications using large fork positioners, the forks may drift as the truck makes a sharp turn. To prevent this, select the anti-drift option.
- Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



NOTE: Fork positioning cylinders are hoses together for simultaneous movement. The cylinders are hoses to a #6 terminus.

Recommended Hydraulic Supply

Model Number	Min	Max	Recommended Max psi
5,500/Class II	3.2	4.1	2,200-3,000
10,000/Class III	2.9	6.4	2,200-3,000
15,500-36,000/Class IV, V & Pin	4	12	2,200-3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular arm movement. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Optional Equipment/Features

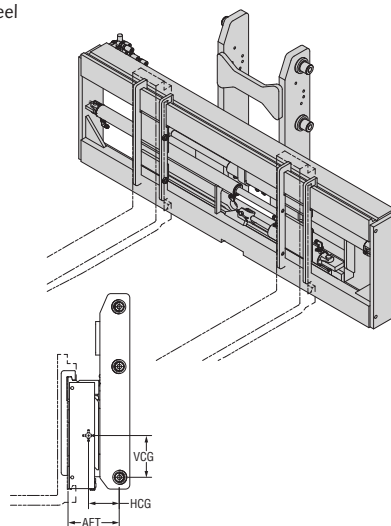
Flow divider
Flow divider with anti-drift feature
Anti-drift feature without flow divider

Sideshifting, Fork Positioning Integral Carriages

- Hydraulically position your forks; uses truck's forks
- Additional sideshift stroke available
- Popular, durable Ball-O-Matic® top linear ball bearing & hardened steel heel rollers

Hook Type, 2 Functions

Model Number	Capacity @ 24" (lb)	Fork Bar Class	Fork Spread ITO (in)	Total Shift (in)
TNGA100B44	10,000	III	2-44	8
TNGA100B50			2-50	
TNGA100B56			2-56	
TNGA100B60			2-60	
TNGA155C48	15,500	IV	2-48	12
TNGA155C60			2-60	
TNGA155C72			2-72	
TNGA155C84			2-84	
TNGA177C48	17,700	IV	2-48	12
TNGA177C60			2-60	
TNGA177C72			2-72	
TNGA177C84			2-84	
TNGA250F60	25,000	V	2-60	12
TNGA250F72			2-72	
TNGA250F84			2-84	
TNGA250F96			2-96	



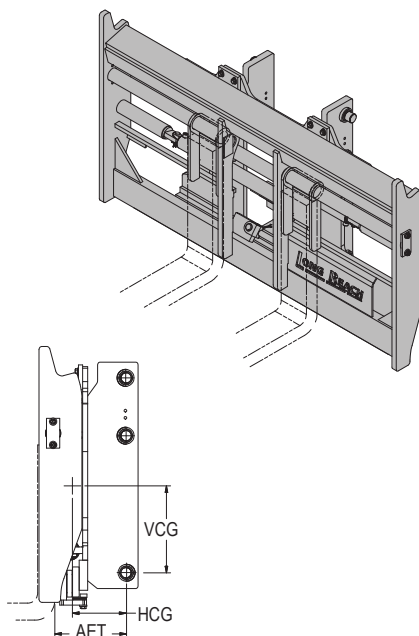
Pin Type, 2 Functions

Model Number	Capacity @ 24" (lb)	Overall Width (in)	Fork Spread ITO (in)	Total Shift (in)
TNGA100P58	10,000	62	4-58	10
TNGA155P70	15,500	74	4-70	12
TNGA180P78	18,000	82.5	4-78	12
TNGA225P78	22,500	83	4-78	12
TNGA250P78	25,000		4-78	12
TNGA300P78	30,000		4-78	12
TNGA360P78	36,000		5-78	12

¹ Prices do not include carriage rollers and attaching pieces. Fork carriers included for "no-weld" installation.

Note: Fork positioning cylinders are hoses together for simultaneous movement. The cylinders are hoses to a #6 terminus.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



Pivot/Align Integral Carriages

- Swings the forks 12° to the side for placing loads in tight places
- Popular, durable Ball-O-Matic® construction
- Wide range of widths capacities, and swing amounts available
- Also available with fork positioning

Hook Type, Sideshifting, 2 Functions

Model Number	Capacity @ 24" (lb)	Fork Bar Class	Fork Spread ITO (in)	Total Shift (in)	Total Swing (°)
TPSA055A38	5,500	II	0-38	8	12
TPSA055A42			0-42	8	12
TPSA055A46			0-46	8	12
TPSA055A50			0-50	8	12
TPSA100B44			0-44	8	12
TPSA100B50	10,000	III	0-50	8	12
TPSA100B56			0-56	8	12
TPSA100B62			0-62	8	12
TPSA155C48	15,500	IV	0-48	12	12
TPSA155C60			0-60	12	12
TPSA155C72			0-72	12	12
TPSA155C84			0-84	12	12
TPSA177C48			0-48	12	12
TPSA177C60	17,700	IV	0-60	12	12
TPSA177C72			0-72	12	12
TPSA177C84			0-84	12	12
TPSA250F60	25,000	V	0-60	12	12
TPSA250F72			0-72	12	12
TPSA250F84			0-84	12	12
TPSA250F96			0-96	12	12

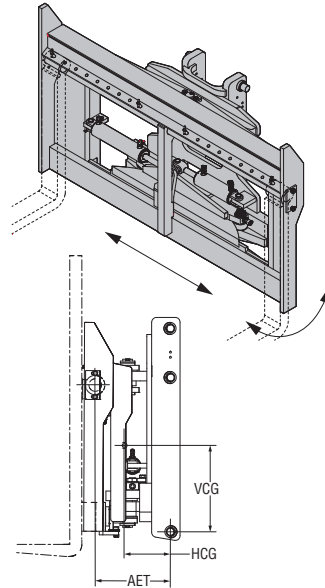
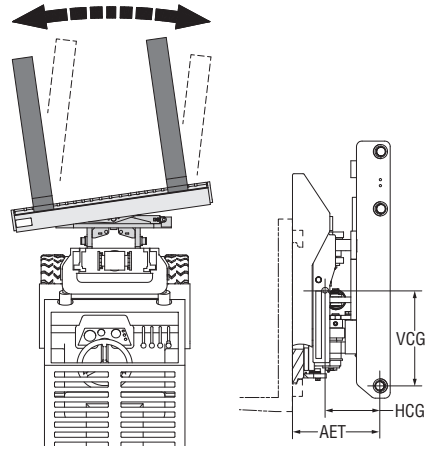
Pin Type, Sideshifting, 2 Functions

Model Number	Capacity @ 24" (lb)	Overall Width	Fork Spread ITO (in)	Total Shift (in)	Total Swing (°)
TPSA100P60	10,000	62	2-60	10	12
TPSA155P72	15,500	74	2-72	12	12
TPSA180P80	18,000	82	2-80	12	12
TPSA225P80	22,500	82	2-80	12	12
TPSA250P80	25,000	82	2-80	12	12
TPSA300P80	30,000	82	3-80	12	12
TPSA360P80	36,000	82	3-80	12	12

¹ Prices do not include carriage rollers, forks or load backrest.

! Important Notes

- Swingshift and sideshift cylinders are unhosed. Installation will require hosing to cylinder ports located near center of unit. Other hosing options available.
- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.
- Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



Recommended Hydraulic Supply

Model Number	Min	Max	Recommended Max psi
5,500/Class II	3.2	4.1	2,200-3,000
10,000/Class III	2.9	6.4	2,200-3,000
15,500-36,000/Class IV, V & Pin	4	12	2,200-3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular arm movement. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Double Sideshifting Carriages

- Allows positioning of two loads at once; 8 to 12" total shift
- Can be installed as either independent or simultaneous sideshift
- Popular, durable Ball-O-Matic® top linear ball bearing & hardened steel heel rollers
- Variety of widths, capacities, and sideshift ranges available

Hook Type, 1 or 2 Functions¹

Model Number	Capacity @ 24" (lb)	Fork Bar Class	Overall Width ² (in)	Single Carriage Width (in)	Shift Each (in)
TDSA110B40	11,000	III	88	40.0	8
TDSA110B48			104	48.0	8
TDSA150C40	15,000	IV	92	40.0	12
TDSA150C48			108	48.0	12

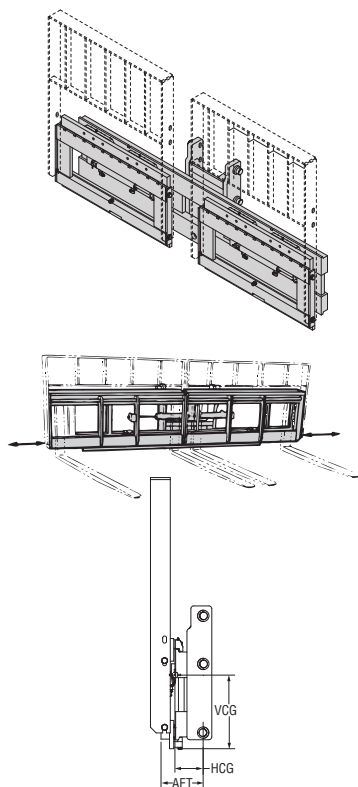
Pin Type, 1 or 2 Functions¹

Model Number	Capacity @ 24" (lb)	Overall Width ² (in)	Single Carriage Width (in)	Shift Each (in)
TDSA080P40	8000	91	41.5	8
TDSA080P48		107	49.5	8
TDSA120P40	12,000	96	42.0	12
TDSA120P48		112	50.0	12

¹ Specify function at time of order (simultaneous or independent sideshift movement).

² Overall width is with sideshifters touching in the center of the base carriage. For maximum carriage width add 8" sideshift x 2 or 12" sideshift x 2 as appropriate.

³ Prices do not include carriage rollers, forks or load backrest.



Important Notes

- Sideshift cylinders are unhosed. Installation will require hosing to cylinders for either simultaneous or independent sideshift. Other hosing options available. Consult factory.
- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.
- Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Recommended Hydraulic Supply

Model Number	Min	Max	Recommended Max psi
5,500/Class II	3.2	4.1	2,200-3,000
10,000/Class III	2.9	6.4	2,200-3,000
15,500-36,000/Class IV, V & Pin	4	12	2,200-3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular arm movement. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Slope Piling Integral Carriages

- Adjusts forks to match the slope of the ground or truck bed
- Popular, durable Ball-O-Matic® top linear ball bearing & hardened steel heel rollers
- Wide range of width, capacities and pivot amounts available
- Also available with fork positioning

Pin Type, Sideshifting, 2 Functions

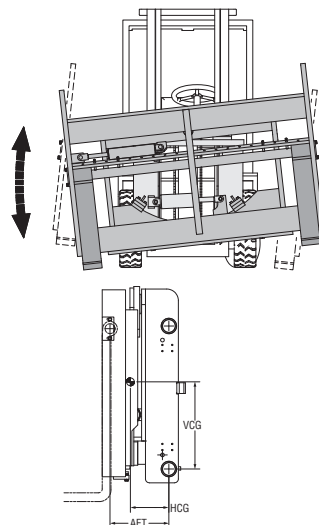
Model Number	Capacity @ 24" (lb)	Overall Width (in)	Fork Spread ITO ¹ (in)	Total Shift (in)	Total Slope (°)
TSSA100P58	10,000	62.0	4-58	10	12
TSSA155P70	15,500	74.0	4-70	12	12
TSSA180P78	18,000	82.5	4-78	12	12
TSSA225P78	22,500	83.0	4-78	12	12
TSSA250P78	25,000	83.0	4-78	12	12
TSSA300P78	30,000	83.0	5-78	12	12
TSSA360P78	36,000	83.0	5-78	12	12

¹ Fork spread is from inside of fully closed forks to outside of fully opened forks. Inside may change based on lift truck.

² Prices do not include carriage rollers, forks or load backrest.

Note: Slope piling and sideshift cylinders are unhosed. Installation will require hosing to cylinder ports located near center of units. Other hosing options available.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



Multi-Pallet Produce Handlers

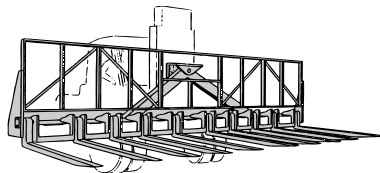
- Loads or unloads a full truck in a single operation
- Includes slope piling, 94" long forks and 60" high backrest
- Uses truck's OEM carriage rollers and attaching parts
- Fork positioning on outer forks available; consult factory

Pin Type, Slope Piling

Model Number	Capacity @ 24" LC (lb)	No. of Pallets	Total Slope (°)
TLNA150P05	15,000	5	12
TLNA150P06		6	12
Model Number	Capacity @ 48" LC (lb)	No. of Pallets	Total Slope (°)
TLNA270P10	27,000	10	12
TLNA270P12		12	12
TLNA300P12	30,000	10	12

¹ Prices do not include carriage rollers, forks or load backrest.

Note: Slope pile cylinders are unhosed. Installation will require hosing to ports located near the center of the unit. Other hosing options available.



Important Note

Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Recommended Hydraulic Supply

Model Number	Recommended Flow (gpm)	Recommended psi
All Models	8-10	2,000-2,500

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



A Division of Allied Systems Company

Paper Roll Clamps



Long Reach paper roll clamps have specific solutions for paper handling applications from the pulp mill to the printing press.



The Long Reach waffle pad design distributes clamp force better than any other cast pad on the market.

Replaceable contact pad wear strips that protect the pad hinge.

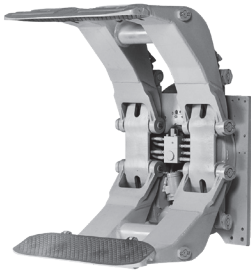
Paper Roll Clamps



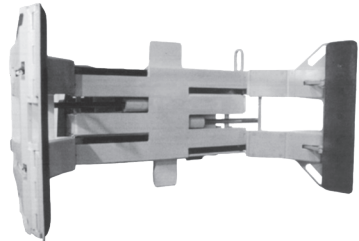
Kraft Paper Roll Clamp



Broke Paper Clamp



Coated Paper Roll Clamp



Twin Pack Paper Roll Clamp



Quad Pack Paper Roll Clamp

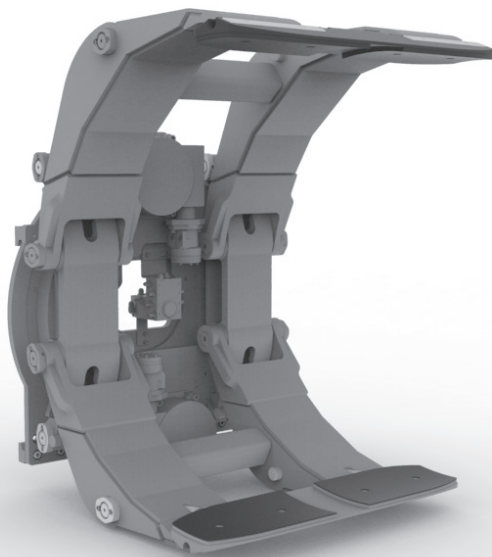


Roll Head Clamps (Grappler)

Other Models Available:

Tissue Paper Roll Clamps
Sliding Arm Paper Roll Clamps
All-In-One Pulp/Paper Clamps

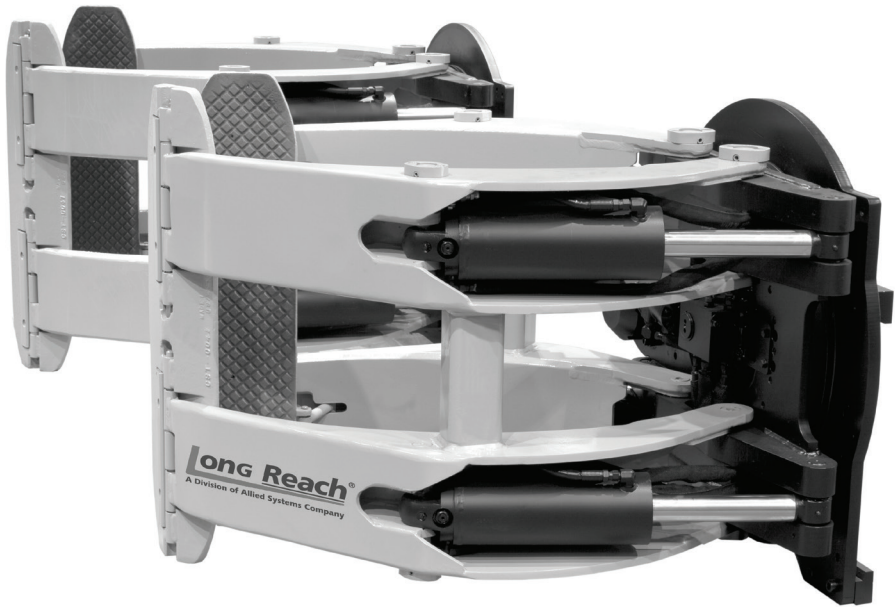
KPR Kraft Paper Roll Clamps



- ◆ Perfect for a variety of paper types: newsprint, tissues, uncoated form and printing stocks, packaging, gypsum wallboard facing and more
- ◆ Fixed or positionable short-arm versions available:
 - Fixed arm provides ease of handling rolls of uniform diameter
 - Positionable arm maintains thin arm profile at all roll diameters
 - 45° short-arm positioning method
- ◆ Exclusive pad protectors shield outer surfaces of pads from abrasion while maintaining thin, smooth surface to protect adjacent rolls
- ◆ Sure grip contact pads protect roll from costly imprints
- ◆ Up-front hydraulics lower effective thickness of clamp while allowing easy access to components with the clamp still attached to truck
- ◆ Uses larger diameter pivot pins with added protection of heavy-duty, lubricated steel bushings

See pages D-6 through D-7

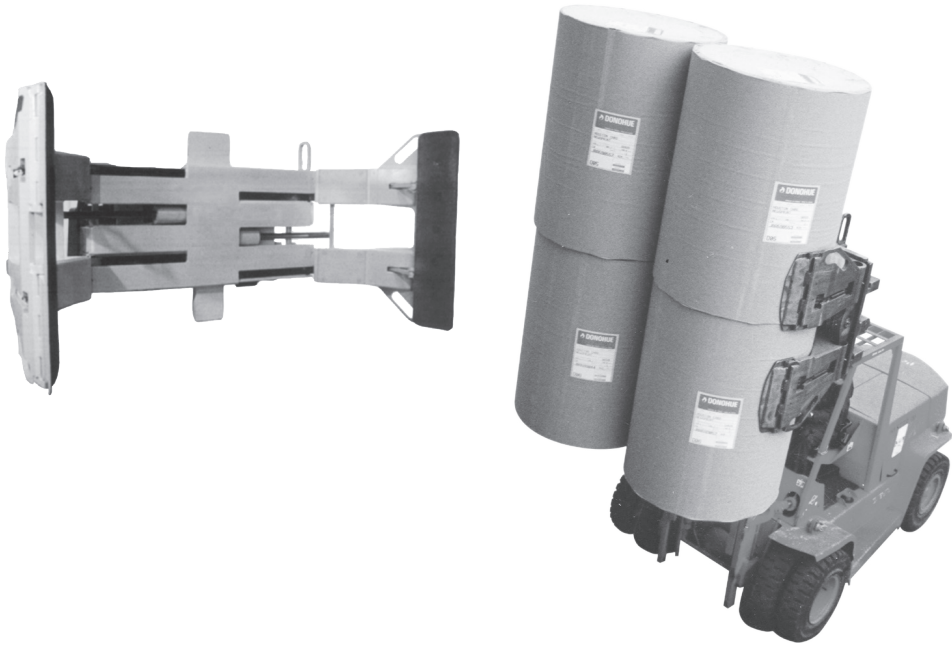
CPR Coated Paper Roll Clamps



- ◆ Superior strength to handle coated papers without sacrificing net truck capacity—handles coated printing stocks, laminates, milk cartons, food containers and more
- ◆ Fixed or positionable short-arm versions available:
 - » Fixed arm provides ease of handling rolls of uniform diameter
 - » Positionable arm maintains thin arm profile at all roll diameters
 - » 45° short-arm positioning method
- ◆ Exclusive pad protectors shield outer surfaces of pads from abrasion while maintaining a thin, smooth surface to protect adjacent rolls
- ◆ Sure-grip contact pads protect roll from costly imprints
- ◆ Up-front hydraulics lower effective thickness of clamp while allowing easy access to components with the clamp still attached to truck
- ◆ Uses larger diameter pivot pins with added protection of heavy-duty, lubricated steel bushings

See pages D-9 through D-10

Twin Pack & Quad Pack Paper Roll Clamps



- ♦ Handles single or multiple rolls of paper with ease using ARPAD (Automatic Roll Positioning Arm Design)
 - » Twin Pack carries up to two rolls, measuring up to 51" diameter each
 - » Quad Pack carries up to four rolls, measuring up to 51" diameter each
- ♦ Uses Polyalign pads to position and hold rolls close to clamp, creating a more secure grip and decreasing lost load
- ♦ Equal length arms feature extra large pads to provide secure grip on paper rolls
- ♦ Perfect for heavy-duty applications
- ♦ Clean, grease-free handling—durable polymer wear strips eliminate the need for lubrication, resulting in fewer maintenance requirements and no grease on the rolls

See pages D-13 and D-14

Broke Paper Clamps

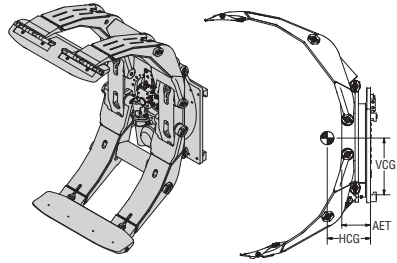


- ◆ Handles broke paper, flattened cardboard cartons, waste packing paper and other, similar materials while maintaining normal forklift operation
- ◆ Arms fold up out of the way when not in use
- ◆ Developed specifically to stabilize scrap paper cuttings
- ◆ Attachment wraps around truck carriage for minimum lost load thickness and center of gravity
- ◆ Utilizes long-lasting chrome-plated cylinder rods and precision-honed shells
- ◆ Allows excellent load visibility for the operator
- ◆ Twin hydraulic cylinders exert firm, even pressure on load

See page D-16

KPR Series Kraft Paper Roll Clamps

- Unmatched net truck capacity
- Fixed short-arm models for ease of handling uniform roll diameters
- Positionable short-arm models for a wide range of roll diameters
- 0° mounting; heavy-duty 360° continuous rotation
- Position-controlled short arm movement
- Inverted waffle pattern standard contact pad surface on all units



42" Diameter Kraft Paper Rolls, 2 Functions

Model Number	Capacity (lb @ Roll Dia.)	Roll Range (in)	Short Arm	Truck Size (lb) ¹	Weight (lb)	Lost Load AET (in)	HCG (in)	VCG (in)	Rotation Speed	Mount Class
KPR-25RN-F1242	2,500	12–42	Fixed	4,000	985	4.6	6.3	15.4	6.5 ²	II or III
KPR-48RN-F1242	4,800			6,000	995			15.6		

45" Diameter Kraft Paper Rolls, 2 Functions

KPR-25RN-F1645	2,500	16–45	Fixed	4,000	1,005	4.6	6.5	16.1	6.5 ²	II or III
KPR-48RN-F1645	4,800			6,000	1,015		6.6	16.3		
KPR-48RN-P1045	4,800	10–45	Pos. ⁴	6000	1,370	7.5	9.0	15.0	6.5 ²	II or III
KPR-55RN-F2045	5,500	20–45	Fixed	7,000	1,340		9.1	15.2		
KPR-55RN-P1045	5,500	10–45	Pos. ⁴	7,000	1,370		9.0	15.0		

51" Diameter Kraft Paper Rolls, 2 Functions

KPR-20RN-F1651	2,000	16–51	Fixed	3,000	1,030	4.6	7.1	16.1	6.5 ²	II or III
KPR-35RN-F1651	3,500			5,000	1,050			16.3		
KPR-48RN-F2051	4,800	20–51	Fixed		1,375	7.5	9.7	15.0	6.5 ²	II or III
KPR-48RN-P1051		10–51	Pos. ⁴	6,000	1,410		9.6	14.9		
KPR-55RN-F2051	5,500	20–51	Fixed		1,375	7.5	9.7	15.0	6.5 ²	II or III
KPR-55RN-P1051		10–51	Pos. ⁴	7,000	1,410		9.6	14.9		
KPR-77RN-F2451	7,700	24–51	Fixed		1,860	7.6	9.5	16.7	5.0 ³	III or IV
KPR-77RN-P1051		10–51	Pos. ⁴	10,000	1,905			16.2		
KPR-90RN-F1751	9,000	17–51	Fixed		2,750	8.0	8.9	18.0	4.0 ³	III or IV
KPR-90RN-P1551		15–51	Pos. ⁴	12,000	2,830			17.8		
KPR-12RN-F1551	12,000	15–51	Fixed			Consult Factory			4.0 ³	IV
KPR-12RN-P1051		10–51	Pos. ⁴	15,500						

¹ Estimated truck size to achieve clamp's rated capacity. Consult the lift truck manufacturer for actual net working capacity.

² Rotation speed rpm @ 12 gpm

³ Rotation speed rpm @ 24 gpm

⁴ Positionable

Notes for page D-7

¹ Estimated truck size to achieve clamp's rated capacity. Consult the lift truck manufacturer for actual net working capacity.

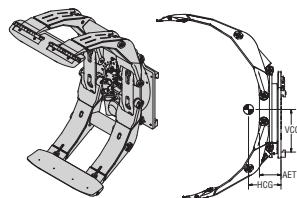
² Rotation speed rpm @ 12 gpm

³ Rotation speed rpm @ 24 gpm

⁴ Positionable

KPR Series Kraft Paper Roll Clamps

- Unmatched net truck capacity
- Fixed short-arm models for ease of handling uniform roll diameters
- Positionable short-arm models for a wide range of roll diameters
- 0° mounting; heavy-duty 360° continuous rotation
- Position-controlled short arm movement



60" Diameter Kraft Paper Rolls, 2 Functions

Model Number	Capacity (lb @ Roll Dia.)	Roll Range (in)	Short Arm	Truck Size (lb) ¹	Weight (lb)	Lost Load AET (in)	HCG (in)	VCG (in)	Rotation Speed	Mount Class
KPR-50RN-F2460	5,000	24-60	Fixed	7,000	1,440	7.5	10.5	15.7	6.5 ²	II or III
KPR-50RN-P1060		10-60	Pos. ⁴		1,465			15.4		
KPR-75RN-F2660	7,500	26-60	Fixed	10,000	1,940	7.6	10.2	16.9	5.0 ²	III or IV
KPR-75RN-P1060		10-60	Pos. ⁴		1,985			16.6		
KPR-80RN-F2460	8,000	24-60	Fixed	12,000	2,810	8.0	10.8	17.6	4.0 ²	III or IV
KPR-80RN-P1060		10-60	Pos. ⁴		2,845			17.3		
KPR-90RN-F2460	9,000	24-60	Fixed	13,500	2,975	8.0	10.5	18.4	4.0 ³	IV
KPR-90RN-P1060		10-60	Pos. ⁴		3,010			18.2		
KPR-12RN-F2460	12,000	24-60	Fixed	15,500	3,245	8.4	11.2	19.5	4.0 ³	IV
KPR-12RN-P1060		10-60	Pos. ⁴		3,315			18.9		

65" Diameter Kraft Paper Rolls, 2 Functions

KPR-75RN-F3065	7,500	30-65	Fixed	10,000	2,010	7.6	11.2	18.3	5.0 ²	III or IV
KPR-75RN-P1565		15-65	Pos. ⁴		2,060			17.8		
KPR-90RN-F3065	9,000	30-65	Fixed	13,500	3,115	8.0	10.5	19.1	4.0 ³	IV
KPR-90RN-P1765		17-65	Pos. ⁴		3,135			18.6		
KPR-11RN-F3265	11,000	32-65	Fixed	15,500		Consult Factory			4.0 ³	IV
KPR-11RN-P1765		17-65	Pos. ⁴							

72" Diameter Kraft Paper Rolls, 2 Functions

KPR-60RN-F3072	6,000	30-72	Fixed	10,000	2,095	7.6	12.1	16.8	5.0 ²	III or IV
KPR-60RN-P1272		12-72	Pos. ⁴		2,140			16.3		
KPR-70RN-F3072	7,000	30-72	Fixed	12,000	2,095	7.6	12.1	16.8	5.0 ²	III or IV
KPR-70RN-P1272		12-72	Pos. ⁴		2,140			16.3		
KPR-85RN-F3272	8,500	32-72	Fixed	13,500	3,130	8.0	12.3	18.9	4.0 ³	IV
KPR-85RN-P1672		16-72	Pos. ⁴		3,190			18.0		
KPR-11RN-F3272	11,000	32-72	Fixed	15,500	3,790	8.4	13.6	20.7	4.0 ³	IV
KPR-11RN-P1672		16-72	Pos. ⁴		3,863			20.2		

84" Diameter Kraft Paper Rolls, 2 Functions

KPR-70RN-F4284	7,000	42-84	Fixed	13,500	3,765	8.4	13.8	19.2	4.0 ³	III or IV
KPR-70RN-P2884		28-84	Pos. ⁴		3,805			18.5		
KPR-95RN-F5084	9,500	50-84	Fixed	15,500	3,795	8.4	14.0	19.3	4.0 ³	IV
KPR-95RN-P2884		28-84	Pos. ⁴		3,835			18.4		

See page D-6 for notes.

KPR Series — Optional Equipment/Specifications

! Capacity

Mounting Class	Truck Rating (lb)
II	2,000–5,500
III	6,000–10,000
IV	10,000–15,500

Match attachment capacity to truck rating for most productive operation. Attachment capacity is a structural rating only that includes the general type of paper for which each model of each series is designated. Net truck capacity, with the attachment, must be obtained from the lift truck manufacturer.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
KPR-20/25	26
KPR-35/48/50/55	33
KPR-60/70/75/77	34
KPR-70 (84" diameter model)/80	37
KPR-85/90/95/11/12	

! Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
KPR-20 - 80	12	2,250
KPR-70 (84" diameter model)	24	2,250
KPR-85/90/95/11/12	24	2,250

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

! Installation Equipment

Model Number	Item
YHJL-6-D-30 ¹	Jump lines: 2 functions, #6 hose
YHJL-8-D-30 ¹	Jump lines: 2 functions, #8 hose
YHJL-6-T-30 ¹	Jump lines: 3 functions, #6 hose
YHJL-8-T-30 ¹	Jump lines: 3 functions, #8 hose
YL-279	Single-setting relief valve
YL-354	Three-position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kit: 2 functions Note: solenoid kits do not include any electrical adaptation for trucks.
Y088122.1	Control knob: 2 functions (1 button)
2527912	Set of 2 quick disconnect hydraulic couplings ²

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

! Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Class II/III	Dual bolt-on hooks
Class II/III	Dual quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	

For mounting other than shown, consult factory.

! Optional Features

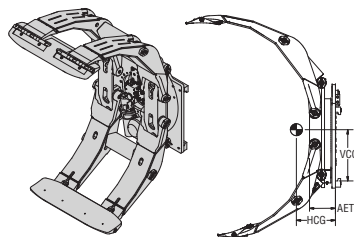
	Options
Split roll arms: Recommended for handling two rolls up to 1.5" maximum difference in diameter. For diameter differences greater than 1.5", consult factory.	
	KPR-10/95
	KPR-20/25/35/48 (Fixed)
	KPR-48/50/55
	KPR-60/70/75/90
	KPR-95/11/12
Restricted rotation: 90° or 180°	
Special contact pad surfaces	
Non-lubricated bushings	
Pivot frame	
Sequenced arm movement	
YCSY-0234-CLCTM	Clamp force gauge, 10,000 lbs max. psi
YCSY-0428-CLCTM	Clamp force gauge, 30,000 lbs max. psi
2518127	Cart kit, for use with clamp force gauges
Swivel cover kit	

! Common Types of Kraft Paper

- Newsprint/super calender
- Uncoated form and printing stocks
- Bag, shipping sack, wrapping
- Bleached specialty packaging
- Tube, can, drum
- Unbleached kraft
- Gypsum wallboard facing
- Tissue and packaging
- Bleached and unbleached kraft linerboard
- For coated paper, see CPR Series on pages D-9 to D-11

CPR Series Coated Paper Roll Clamps

- The strength and durability to handle coated paper
- Fixed short-arm models for ease of handling uniform roll diameters
- Positionable short-arm models for a wide range of roll diameters
- 0° mounting; heavy-duty 360° continuous rotation
- Position-controlled short arm movement



42" Diameter Coated Paper Rolls, 2 Functions

Model Number	Capacity (lb @ Roll Dia.)	Roll Range (in)	Short Arm	Truck Size (lb) ¹	Weight (lb)	Lost Load AET (in)	HCG (in)	VCG (in)	Rotation Speed	Mount Class
CPR-30RN-F1242	3,000	12–42	Fixed	4,000	995	4.6	6.3	15.6	6.5 ²	II or III

45" Diameter Coated Paper Rolls, 2 Functions

CPR-30RN-F1645	3,000	16–45	Fixed	4,000	1,015	4.6	6.6	16.3	6.5 ²	II or III
CPR-45RN-F2045	4,500	20–45	Fixed	6,000	1,340	7.5	9.1	15.2	6.5 ²	II or III
CPR-45RN-P1045		10–45	Pos. ⁴		1,370					

51" Diameter Coated Paper Rolls, 2 Functions

CPR-24RN-F1651	2,400	16–51	Fixed	4,000	1,050	4.6	7.1	16.3	6.5 ²	II or III
CPR-45RN-F2051	4,500	20–51	Fixed	6,000	1,335	7.5	9.7	15.0	6.5 ²	II or III
CPR-45RN-P1051		10–51	Pos. ⁴		1,410		9.6	14.9		
CPR-66RN-F2451	6,600	24–51	Fixed	8,000	1,860	7.6	9.5	16.7	5.0 ²	III or IV
CPR-66RN-P1051		10–51	Pos. ⁴		1,905		16.2			
CPR-72RN-F1551	7,200	15–51	Fixed	10,000	2,815	8.0	9.1	18.1	4.0 ²	III or IV
CPR-72RN-P1051		10–51	Pos. ⁴		2,845		17.9			
CPR-80RN-F1751	8,000	17–51	Fixed	11,000	2,825	8.0	9.3	18.0	4.0 ²	III or IV
CPR-80RN-P1551		15–51	Pos. ⁴		2,860			17.8		
CPR-90RN-F1751	9,000	17–51	Fixed	12,000	2,825	8.0	9.3	18.0	4.0 ³	IV
CPR-90RN-P1551		15–51	Pos. ⁴		2,860			17.8		
CPR-10RN-F3451	10,500	34–51	Fixed	13,500	Consult Factory				4.0 ³	IV
CPR-10RN-P2451		24–51	Pos. ⁴							
CPR-13RN-F3451	13,000	34–51	Fixed	15,500	Consult Factory				4.0 ³	IV
CPR-13RN-P2451		24–51	Pos. ⁴							

¹ Estimated truck size to achieve clamp's rated capacity. Consult the lift truck manufacturer for actual net working capacity.

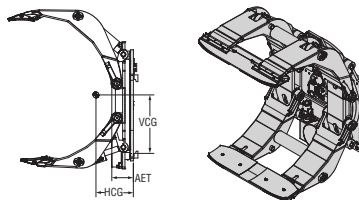
² Rotation speed rpm @ 12 gpm

³ Rotation speed rpm @ 24 gpm

⁴ Positionable

CPR Series Coated Paper Roll Clamps

- The strength and durability needed to handle coated paper
- Fixed short-arm models for ease of handling uniform roll diameters
- Positionable short-arm models for a wide range of roll diameters
- 0° mounting; heavy-duty 360° continuous rotation
- Position-controlled short arm movement



60" Diameter Coated Paper Rolls, 2 Functions

Model Number	Capacity (lb @ Roll Dia.)	Roll Range (in)	Short Arm	Truck Size (lb) ¹	Weight (lb)	Lost Load AET (in)	HCG (in)	VCG (in)	Rotation Speed	Mount Class
CPR-40RN-F2460	4,000	24–60	Fixed	6,000	1,440	7.5	10.5	15.7	6.5 ²	II or III
CPR-40RN-P1060		10–60	Pos. ⁴		1,465			15.4		
CPR-60RN-F2660	6,000	26–60	Fixed	8,000	1,940	7.6	10.2	16.5	5.0 ²	III or IV
CPR-60RN-P1060		10–60	Pos. ⁴		1,985			16.1		
CPR-72RN-F2460	7,200	24–60	Fixed	10,000	2,810	8.0	10.8	17.6	4.0 ²	III or IV
CPR-72RN-P1060		10–60	Pos. ⁴		2,845			17.3		
CPR-85RN-F2460	8,500	24–60	Fixed	12,000	2,855	8.0	10.8	17.9	4.0 ²	IV
CPR-85RN-P1060		10–60	Pos. ⁴		2,920			17.4		
CPR-90RN-F2460	9,000	24–60	Fixed	13,500	3,025	8.0	10.5	18.8	4.0 ³	IV
CPR-90RN-P1060		10–60	Pos. ⁴		3,090			18.2		
CPR-10RN-F2460	10,000	24–60	Fixed	15,500	3,275	8.3	11.1	19.8	4.0 ³	IV
CPR-10RN-P1060		10–60	Pos. ⁴		3,315			18.9		

72" Diameter Coated Paper Rolls, 2 Functions

CPR-50RN-F3072	5,000	30–72	Fixed	9,000	2,095	7.6	12.1	16.8	5.0 ²	III or IV
CPR-50RN-P1272		12–72	Pos. ⁴		2,140			16.3		
CPR-60RN-F3272	6,000	32–72	Fixed	11,000	2,990	8.0	11.4	10.3	4.0 ²	III or IV
CPR-60RN-P1672		16–72	Pos. ⁴		3,025			17.1		
CPR-75RN-F3272	7,500	32–72	Fixed	13,000	3,200	8.0	11.1	18.5	4.0 ³	IV
CPR-75RN-P1672		16–72	Pos. ⁴		3,270			18.0		
CPR-10RN-F3272	10,000	32–72	Fixed	15,500	3,825	8.4	13.6	21.1	4.0 ³	IV
CPR-10RN-P1672		16–72	Pos. ⁴		3,865			20.2		

84" Diameter Coated Paper Rolls, 2 Functions

CPR-80RN-F5084	8,000	50–84	Fixed	15,500	3,795	8.4	14.0	18.4	4.0 ³	IV
CPR-80RN-P2884		28–84	Pos. ⁴		3,835					

¹ Estimated truck size to achieve clamp's rated capacity. Consult the lift truck manufacturer for actual net working capacity.

² Rotation speed rpm @ 12 gpm

³ Rotation speed rpm @ 24 gpm

⁴ Positionable

CPR Series — Optional Equipment/Specifications

! Capacity

Mounting Class	Truck Rating (lb)
II	2,000–5,500
III	6,000–10,000
IV	10,000–15,500

Match attachment capacity to truck rating for most productive operation. Attachment capacity is a structural rating only that includes the general type of paper for which each model of each series is designated. Net truck capacity, with the attachment, must be obtained from the lift truck manufacturer.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CPR-24/30	26
CPR-40/45	33
CPR-50/60/66	34
CPR-72/75/80/85/90/10/13	37
CPR-60 (72" dia. models)	37

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CPR-24/30/40/45	12	2,250
CPR-50/60/66/72	12	2,250
CPR-75/80/90/10/13	24	2,250
CPR-85	12	2,500

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

🔧 Installation Equipment

Model Number	Item
YHJL-6-D-30 ¹	Jump lines: 2 functions, #6 hose
YHJL-8-D-30 ¹	Jump lines: 2 functions, #8 hose
YHJL-6-T-30 ¹	Jump lines: 3 functions, #6 hose
YHJL-8-T-30 ¹	Jump lines: 3 functions, #8 hose
YL-279	Single-setting relief valve
YL-354	Three-position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kit: 2 functions Note: Solenoid kits do not include any electrical adaption for trucks.
Y088122.1	Control knob: 2 functions (1 button)
2527912	Set of 2 quick disconnect hydraulic couplings ²

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

🔒 Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Class II/III	Dual bolt-on hooks
Class II/III	Dual quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks

Pin/shaft mounting

For mounting other than shown, consult factory.

✂️ Optional Features

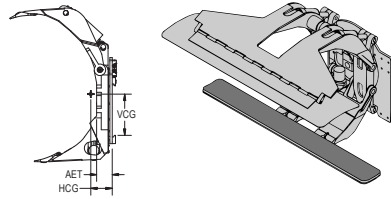
Options
Split roll arms: Recommended for handling two rolls up to 1.5" max. difference in diameter. Consult factory for diameter differences greater than 1.5".
CPR-24/30
CPR-40/45/50
CPR-60/66/72/75/80/85/90
Restricted rotation: 90° or 180°
Special contact pad surfaces
Non-lubricated bushings
Clamp force gauge (see page J-2 for details)
Pivot frame
Sequenced arm movement
Double diameter tissue pads, with or without flared ends
Swivel cover kit

! Common Types of Coated Paper

- Laminated
- Lightweight coated
- Coated printing stocks
- Glassine, greaseproof
- Groundwood printing and converting
- Corrugated medium and pre-print linerboard
- Milk carton and food container
- Setup boxboard
- Paperboard — coated
- Recycled
- For kraft paper, see KPR Series on D-6 to D-8

KTR Series Tissue Paper Roll Clamps

- Flared arms and All-Grip pads to avoid "bruising" soft tissue rolls
- Fixed short-arm models for ease of handling uniform roll diameters
- Positionable short-arm models for a wide range of roll diameters
- Up to 84" roll diameters; larger diameters available
- Position-controlled short arm movement



45" Diameter Tissue Rolls, 2 Functions

Model Number	Capacity (lb @ Roll Dia.)	Roll Range (in)	Short Arm	Contact Pad W x L (in)	Mount Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
KTR-25RN-F1645	2,500	14.5–43.5	Fixed	12 x 34	II				

60" Diameter Tissue Rolls, 2 Functions

NPR-360-FA4A	2,500	10–60	Fixed	15 x 54	II				
KTR-50RN-F2460	5,000	24–60	Fixed	18 x 80	III or IV				
KTR-50RN-P1060		10–60	Positionable						
KTR-75RN-F2660	7,500	26–60	Fixed	18 x 48	III or IV				
KTR-75RN-P1060		10–60	Positionable						

72" Diameter Tissue Rolls, 2 Functions

KTR-60RN-F3072	6,000	30–72	Fixed	18 x 48	III				
KTR-60RN-P1272		12–72	Positionable						
KTR-70RN-F3072	7,000	30–72	Fixed	18 x 60	III or IV				
KTR-70RN-P1272		12–72	Positionable						

80" Diameter Tissue Rolls, 2 Functions

KTR-54RN-F4080	5,400	40–80	Fixed	14 x 60	III or IV				
KTR-54RN-P2380		23–80	Positionable						

84" Diameter Tissue Rolls, 2 Functions

KTR-50RN-F4284	5,000	42–84	Fixed	18 x 48	III or IV				
KTR-50RN-P2884		28–84	Positionable						
KTR-70RN-F4284	7,000	42–84	Fixed	18 x 60	IV				
KTR-70RN-P2884		28–84	Positionable						

Installation Equipment

Model Number	Item
YHJL-6-D-30 ¹	Jump lines: 2 functions, #6 hose
YHJL-8-D-30 ¹	Jump lines: 2 functions, #8 hose
YHJL-6-T-30 ¹	Jump lines: 3 functions, #6 hose
YHJL-8-T-30 ¹	Jump lines: 3 functions, #8 hose
YL-279	Single-setting relief valve
YL-354	Three-position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kit: 2 functions note: solenoid kits do not include any electrical adaption for trucks.
Y088122.1	Control knob: 2 functions (1 button)
2527912	Set of 2 quick disconnect hydraulic couplings ²

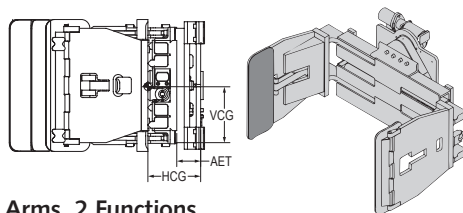
¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

³ See page D-11 for optional features.

SQ Sliding Arm Paper Roll Clamps

- For break-out in warehouses, trucks, and railcars
- Thin-arm profile over a wide range of roll diameters
- Rotating and non-rotating models available
- Ideal for use in confined areas, for tunneling and “T” loading



Non-Rotating with Internal Sideshift: Equal Length Arms, 2 Functions

Model Number	Capacity (lb @ Roll Size)	Load Center (in)	Roll Range (in)	Weight (lb)	Lost Load AET (in)	HCG (in)	VCG (in)	Mounting Angle (°)	Mount Class
SQ4P-52DB	4,500	25	24–52	1,220	5.8	8.7	10.0	0	III
SQ6P-60DB	6,400	30	28–60	1,770	6.5	9.8	11.4	0	III or IV
SQ6P-72DC	6,000	36	40–72	2,160		12.4	12.5		IV

360° Continuous Rotation: Equal Length Arms, 2 Functions

SQ3P-45CA4	3,000	22	22–45	1,260	9.5	10.6	11.2	4	II
SQ4P-52CB4	4,500	25	24–52	1,675	9.5	12.2	14.0	4	III
SQ6P-60CB4	6,400	30	28–60	2,640	10.3	13.6	16.5	4	III or IV

360° Continuous Rotation: Long and Short Arms, 2 Functions

SQ3P-45AA4	3,000	22	25–45	1,220	9.5	10.2	9.9	4	II
SQ4P-52AB4	4,500	25	24–52	1,680	9.3	9.8	11.4	4	III
SQ6P-60AC4	6,400	30	28–60	2,567	10.3	12.7	16.1	4	III or IV

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
SQ3P-45	36	24
SQ4P-52	41	29
SQ6P-60	46	36
SQ6P-72	46	37

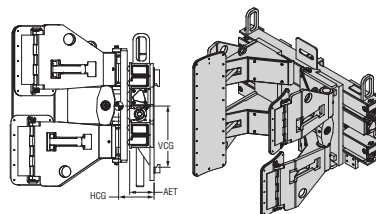
! Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All SQ models	12	2,000

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

Quad Pack™ Paper Roll Clamps

- Handle 1, 2 or 4 rolls at a time with equal length split arms
- Clean, grease-free handling – no lube arm slides
- Features ARPAD™ (Automatic Roll Positioning Arm Design)
- Internal sideshift improves maneuverability



Sideshifting Quad Pack Paper Roll Clamps (Non-Rotating), 2 Functions

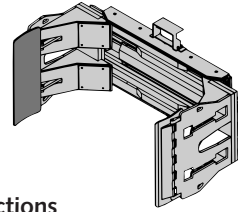
Model Number	Capacity (lb @ LC, in)	Roll Range¹, 2 Rolls (in)	Roll Range, 1 Roll (in)	Mounting Class	Weight (lb)
NSQ-65NS-QP445	6,500 @ 26	2 x (34–45)	34–51	III	2,390
NSQ-65NS-QP451	6,500 @ 30	3 x (34–45)	34–60		2,880
NSQ-77NS-QP445	7,700 @ 26	4 x (34–45)	34–51	III or IV	2,420
NSQ-77NS-QP451	7,700 @ 30	5 x (34–45)	34–60		3,050
NSQ-88NS-QP445	8,800 @ 26	6 x (34–45)	34–51	III or IV	2,510
NSQ-88NS-QP451	8,800 @ 30	7 x (34–45)	34–60		3,140
NSQ-11NS-QP451	11,000 @ 30	8 x (34–45)	34–60	IV	3,580

¹ Handles two rolls side by side. Handles four rolls: two high, two wide.

Note: For hydraulic supply see D-14.

Twin Pack™ Paper Roll Clamps

- Handles 1 or 2 rolls side-by-side
- Clean, grease-free handling — no lube arm slides
- Features ARPAD™ (Automatic Roll Positioning Arm Design)
- Internal sideshift improves maneuverability



Sideshifting Twin Pack Paper Roll Clamps (Non-Rotating), 2 Functions

Model Number	Capacity (lb @ LC, in)	Roll Range, 2 Rolls (in)	Roll Range, ¹ Roll (in)	Mounting Class
LCT-55NS-T3442	5,500 @ 21	2 x (34–42)	34–42	III
LCT-55NS-T3445	5,500 @ 26	2 x (34–45)	34–51	
NSQ-65NS-T3445	6,500 @ 26	2 x (34–45)	34–51	
NSQ-65NS-T3451	6,500 @ 30	2 x (34–51)	34–60	
NSQ-77NS-T3445	7,700 @ 26	2 x (34–45)	34–51	III or IV
NSQ-77NS-T3451	7,700 @ 30	2 x (34–51)	34–60	
NSQ-88NS-T3445	8,800 @ 26	2 x (34–45)	34–51	
NSQ-88NS-T3451	8,800 @ 30	2 x (34–51)	34–60	
NSQ-11NS-T3451	11,000 @ 30	2 x (34–51)	34–60	IV

¹ Handles two rolls side by side. Handles four rolls: two high, two wide.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCT Models	7–10	2,500
NSQ Models	15–18	2,250

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

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCT-55	52	39
NSQ-65/77/88	62	39
NSQ-11	64	46

Optional Mounting Hooks

	Description
Class III	Quick change hooks
Class IV	Quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	

Optional Equipment

Model Number	Item
YL-279	Single setting relief valve
YL-354	Three position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kits ¹ – 2 functions
2527912	Set of 2 quick disconnect hydraulic couplings ²
Y088122.1	Control knob – 2 functions (1 button)
	Bumper pad
YCSY-0234-CLCTM	Clamp force gauge, 10,000 lbs max. psi
YCSY-0428-CLCTM	Clamp force gauge, 30,000 lbs max. psi
2518127	Cart kit, for use with clamp force gauges

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

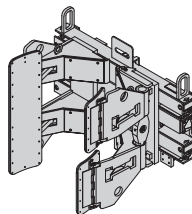
Installation Equipment

Model Number	Item
YHJL-8-D-30 ¹	Jump lines: 2 functions, #8 hose

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

All-In-One Pulp/Paper Clamps

- Interchangeable, slip-on arms for versatility
- Quad Pack and Twin Pack configurations
- Handles pulp bales with pulp bale arms
- Clean, grease-free handling — no lube arm slides



Sideshifting All-in-One Clamps (Non-Rotating), 2 Functions

Model Number	Model Type	Paper Rolls			Pulp Bales			Mounting Class	Weight (lb)
		Capacity (lb @ LC, in)	Roll Range 2 Rolls (in)	Roll Range 1 Roll (in)	Capacity (lb @ 35")	Opening Range (in)	Arm Size H x L (in)		
NSQ-75NS-QPP51	Quad Pack	7,500 @ 30	2 x (34–51)	34–60	6,500	34–108	18 x 48	III	2,535 ¹ 2,615 ²
NSQ-88NS-QPP45		8,800 @ 30	2 x (30–45)	34–51	8,800	28–88	20 x 48	III or IV	2,675 ¹ 2,795 ²
NSQ-88NS-QPP51		8,800 @ 30	2 x (31–51)	34–60	8,800	34–108	20 x 48	III or IV	3,240 ¹ 3,260 ²
NSQ-88NS-QPP53		8,800 @ 30	2 x (32–53)	32–60	8,800	32.5–110	20 x 55	III or IV	3,375 ¹ 3,425 ²
NSQ-11NS-QPP51		11,000 @ 30	2 x (34–51)	34–60	11,000	34–108	20 x 48	IV	3,580 ¹ 3,650 ²
NSQ-11NS-QPP53		11,000 @ 30	2 x (32–53)	32–60	11,000	32.5–111	20 x 55	IV	3,715 ¹ 3,815 ²
NSQ-11NS-TPP51	Twin Pack	11,000 @ 30	2 x (34–51)	34–60	11,000	34–108	20 x 48	IV	3,480 ¹ 3,650 ²

¹ Weight with paper roll arms.

² Weight with pulp bale arms (Quad Pack model shown)

Optional Equipment

Model Number	Item
YL-279	Single setting relief valve
YL-354	Three position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kits ¹ , 1 - 2 functions
2527912	Set of 2 quick disconnect hydraulic couplings ²
Y088122.1	Control knob – 2 functions (1 button)
	Bumper pad
YCSY-0234-CLCTM	Clamp force gauge, 10,000 lbs max. psi
YCSY-0428-CLCTM	Clamp force gauge, 30,000 lbs max. psi
2518127	Cart kit, for use with clamp force gauges

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

Installation Equipment

Model Number	Item
YHJL-8-D-30 ¹	Jump lines: 2 functions, #8 hose

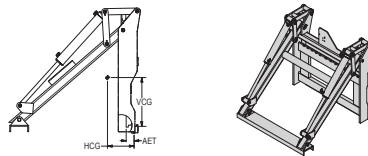
¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Optional Mounting Hooks

	Description
Class III	Quick change hooks
Class IV	Quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	

Broke Paper Clamps

- Firmly grips and holds broke on forks while traveling
- Extends fully out of the way to allow normal use of forks
- Quick-change lower hooks included



Broke Clamps, 1 Function

Model Number	Capacity (lb @ 24")	Mounting Class	Min. Fork Length (in)	Overall Width (in)	HCG (in)	AET ¹ (in)	Weight (lb)
QCNB040A37	4,000	II	36	37	Consult Factory	Consult Factory	Consult Factory
QCNB040A42	4,000	II	36	42			
QCNB100B42	10,000	III	42	42			
QCNB100B48	10,000	III	42	48			
QCNB140C48	14,000	IV	48	48			

¹ AET is measured to face of broke clamp carriage bars. AET does not include forks mounted to broke clamp.

Note: For sideshifting, add \$140 to list price. Prices do not include forks. Use standard ITA forks. Weld-on design available.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
QCNB040A37	30
QCNB040A42	36
QCNB100B42	36
QCNB100B48	42
QCNB140C48	42

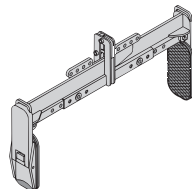
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	4-8	2,000

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

RHC-65 Series Roll Head Clamps (Grappler)

- Positive lever arm clamping force applied to roll
- Adjustable roll ranges and clamping force
- Automatic latch and unlatch
- Flattened expanded metal pad surface for sure grip



Roll Head Clamps

Model Number	Capacity (lb)	Roll Range Dia. (in)	Adjustable Range (in)	Pad Size, H x W (in)	Weight (lb)
RHC65-50	6,500	38.5-50	2" increments (1" per arm)	10 x 5.5	315
RHC65-56	6,500	38.5-56	2" increments (1" per arm)	10 x 5.5	315

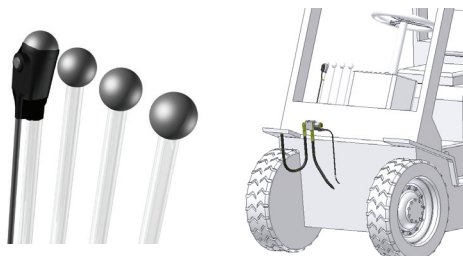
NOTE: Overhead separators, bridles (cable) and operator pull cord (latch/release) not included.

Clamp Opening Control Kits

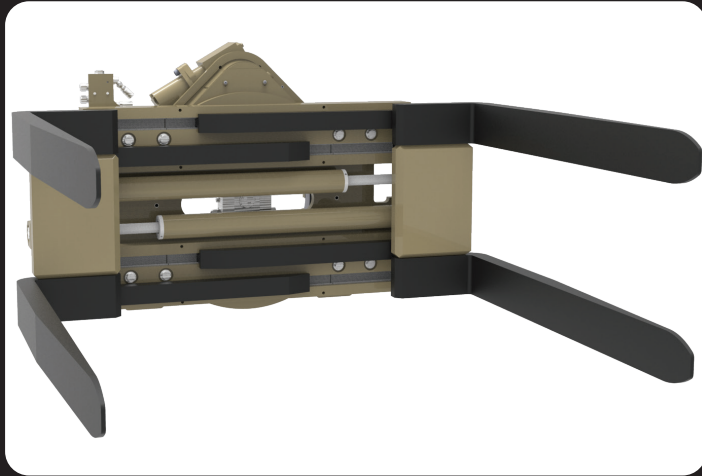
- Requires the operator to perform two distinct actions to release the clamping force of an attachment
- Conforms to ANSI/ITSDF B56.1, Section 7.25.7 requirements
- May be easily retrofitted onto existing installations

Clamp Opening Control Kits

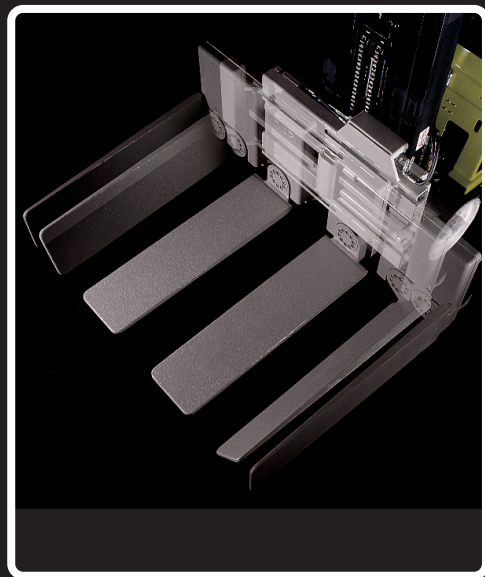
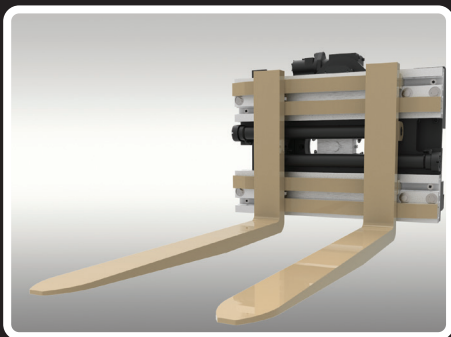
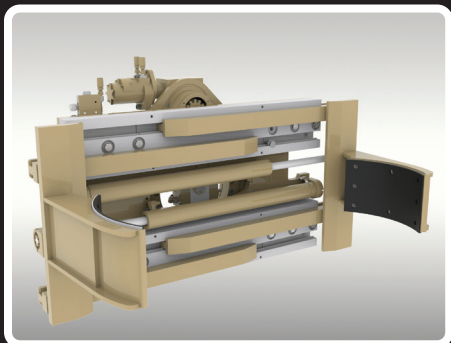
Part Number	Description
2520519	Kit for 12V lift trucks
2520520	Kit for 24V lift trucks
2520521	Kit for 36V lift trucks
2520522	Kit for 48V lift trucks



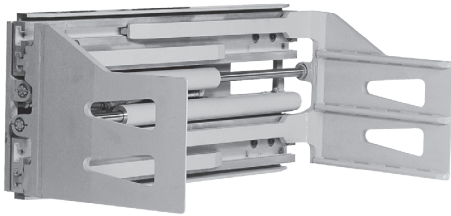
Lateral Clamps



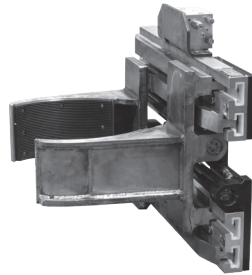
**Securely handle a wide variety
of loads with Long Reach lateral
clamps.**



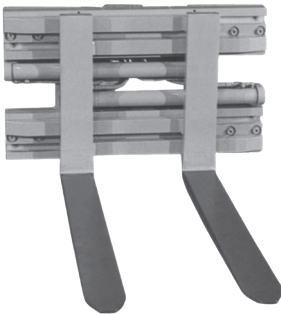
Lateral Clamps



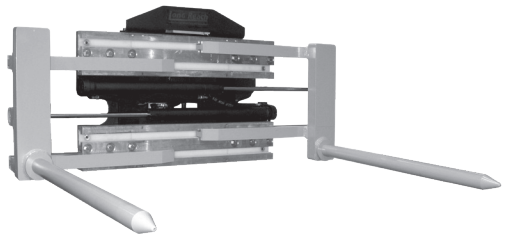
LCB/NSQ Bale Clamps



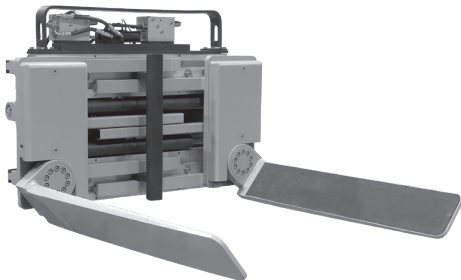
LCS Drum Clamps



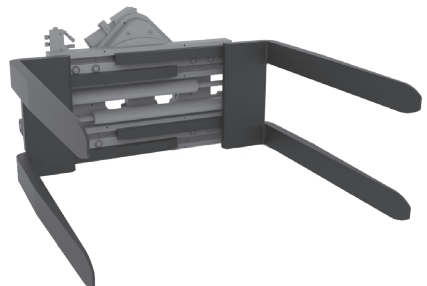
LCS Pallet Fork Clamps



Bar Positioners



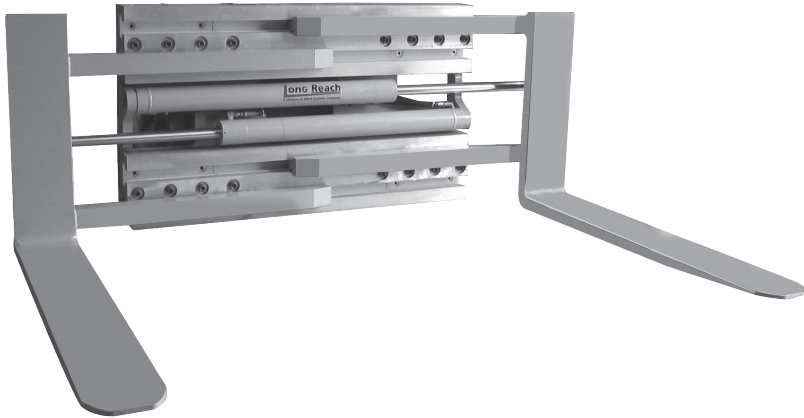
Turning Forks



Load Inverters

Other Models Available: Forward Drum Dumpers • Pulp Bale Clamps
Lateral Clamps without Arms • Rotating Lateral Clamps

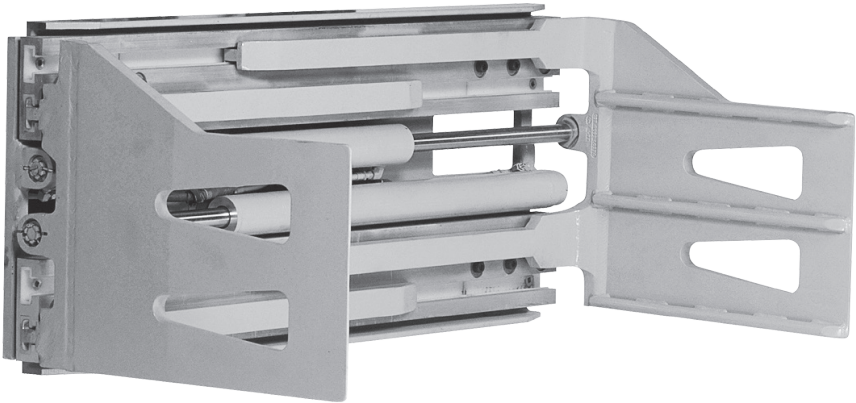
LCS/NSQ Pallet Fork Clamps



- ♦ Versatile fork positioner with the functionality of a bale clamp
- ♦ Easily pick up a load on a pallet, or clamp or cradle difficult loads, with precise fork positioning for overall handling efficiency.
- ♦ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes
- ♦ Grease-free handling keeps all loads clean
- ♦ Fast-response hydraulics keep productivity levels high
- ♦ Clamp arms are engineered to suit various applications

See page E-10

LCB/NSQ Bale Clamps



- ◆ Available in rotating and non-rotating models for added handling versatility, or combined with upending feature
- ◆ Thin arms provide slim profile for chiselling between bales
- ◆ Compress Special model is center-mounted to prevent wear caused by contact with the floor
- ◆ Rounded ribs are recessed in the middle to reduce possibility of creasing or tearing bale wrappers
- ◆ Ribs significantly aid in tipping bales from vertical to horizontal and vice versa
- ◆ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes
- ◆ Grease-free handling eliminates load contamination
- ◆ Many units are designed to handle up to four bales at a time

See page E-15

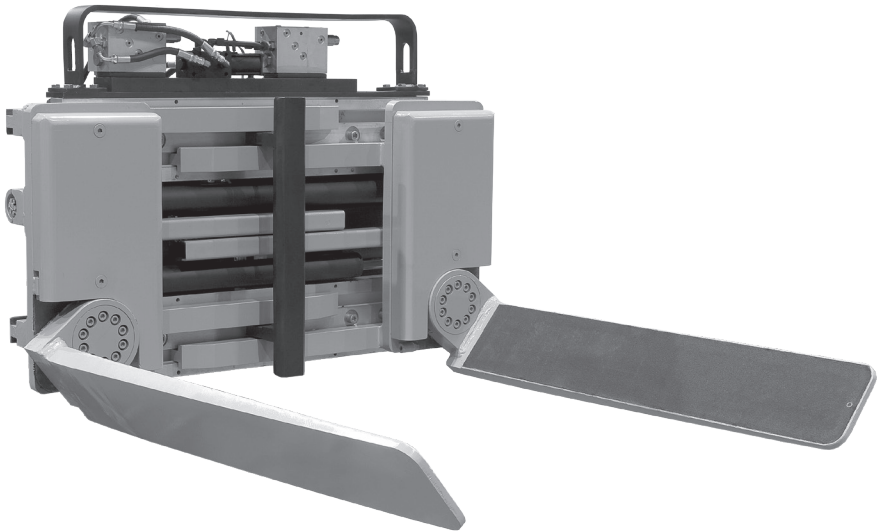
LCB Bale Clamps with "Cott-n-Ball" Arms



- ◆ Thin profile arms allow for knifing between stacks without damaging bales
- ◆ Fast-response hydraulics keep productivity levels high
- ◆ "Cott-n-Balls" clamp face maintains firm hold and keeps bales aligned while allowing rotation without tearing
- ◆ Many units are designed to handle up to five bales at a time
- ◆ "Repair-N-Place" serviceability means no-lube polymer wear strips can be replaced in just minutes
- ◆ Grease-free handling eliminates load contamination

See page E-18

Turning Fork Clamps

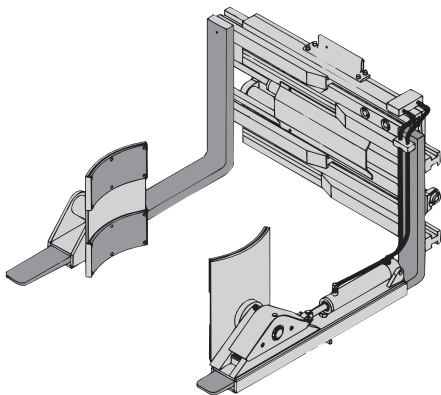


- ♦ Triple your lift truck's capabilities with the Long Reach Turning Fork Clamp:
 - Transport pallets in fork mode
 - Pick cased goods and cartons in clamp mode
 - Handle drums and rolls in cradle mode
- ♦ Forks rotate smoothly to any position from horizontal to vertical on demand, no longer requiring the operator to close the clamp before activating the rotation feature
- ♦ Simple, effective design delivers smooth, infinite indexing motion with only two moving parts and a hydraulic cylinder
- ♦ Optional articulated or fixed arms available to accommodate different applications
- ♦ Rubber or Algrip arm surfaces available to meet handling needs
- ♦ Rounded corners on bumpers and covers guard against load damage
- ♦ Integrated hydraulics ensure protection for hydraulic hoses

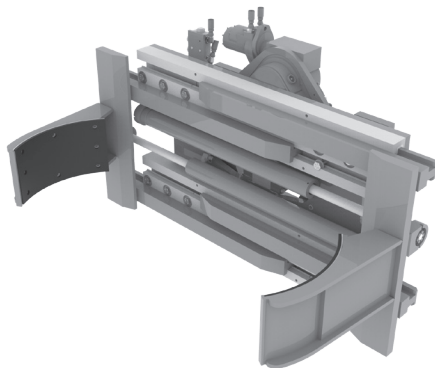
See page E-23

Drum Handling Clamps

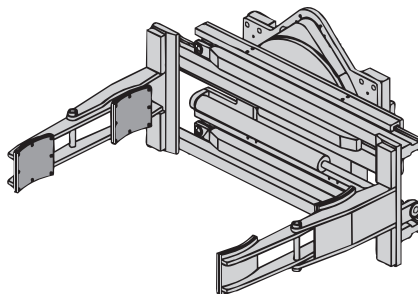
Forward Drum Dumper



2-Drum Clamp



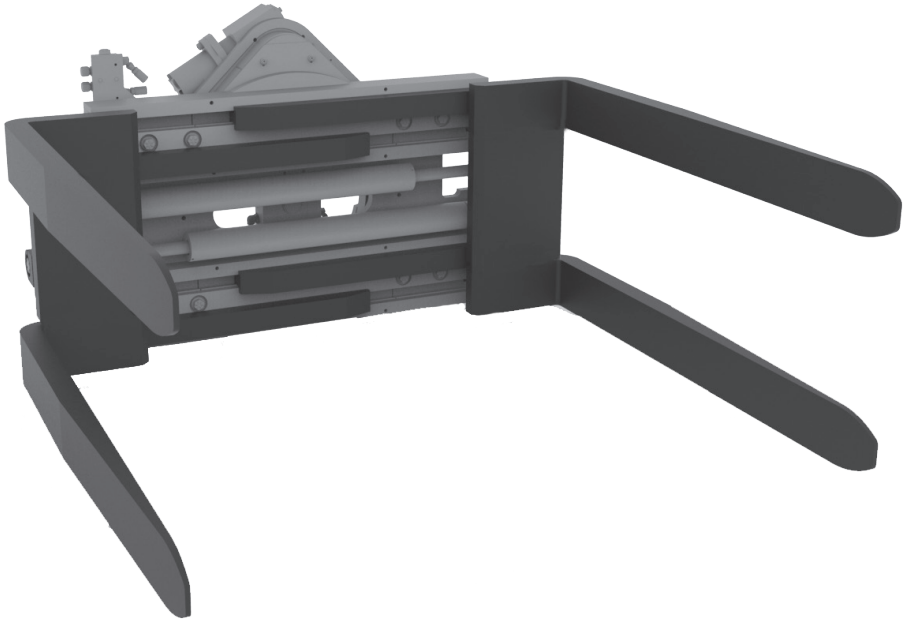
4-Drum Clamp



- ♦ Drum clamps available in 2-drum (side-by-side) and 4-drum (side-by-side, two deep) configurations
- ♦ Easily carry and dump drums without risk of manual handling or exposure to product
- ♦ Rubber-covered no-slip pads ensure a firm grip
- ♦ Available in rotating and non-rotating models
- ♦ All hoses, valves and fittings can be serviced from the front of the truck
- ♦ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes; lubrication of the slides is not required

See page E-24

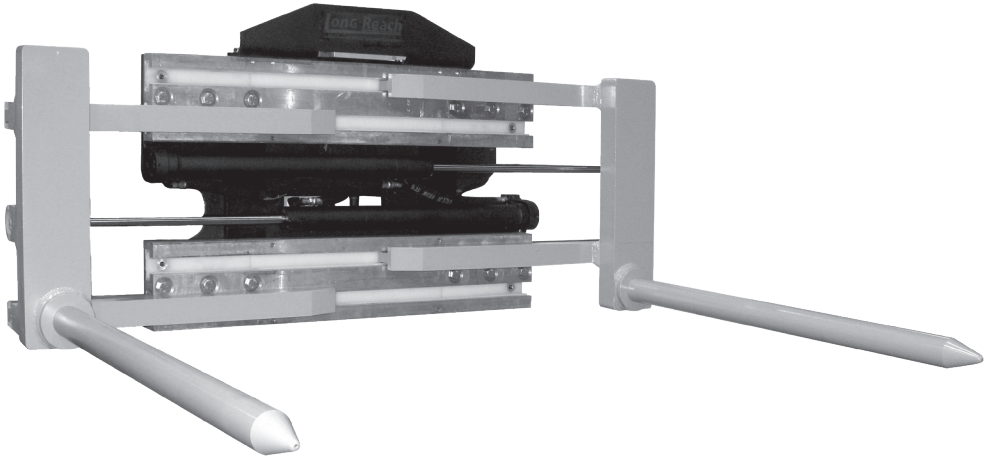
LCS/NSQ Load Inverters



- ♦ Rapidly transfer loads to inexpensive pallets or slip sheets for shipping
- ♦ Reduce labor associated with bin and tote box dumping, and manually inverting loads
- ♦ Avoid sedimentation that can spoil inventory; products such as bottled food, juices, paint or fertilizers can be quickly and safely inverted
- ♦ Side support plates available
- ♦ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes

See page E-26

Bar Positioners



- ♦ Arms specifically engineered with rounded surface and tapered tips handle rolls of cloth or other materials quickly and easily without snagging or damaging the product
- ♦ Available in both sideshifting and non-sideshifting models
- ♦ “Repair-N-Place” serviceability means no-lube polymer wear strips can be replaced in just minutes

See page E-27

Repair-N-Place

For: LCC Carton Clamps • LCB Bale Clamps • LCS Pallet Fork Positioners • Drum Clamps • Arm Clamps • Bar Positioners • LFP Fork Positioners • Load Inverters

Ongoing clamp operating expenses can be just as costly as the initial purchase. Long Reach's patented "Repair-N-Place" design allows for reduced labor and maintenance costs over the life of the attachment, featuring streamlined replacement of polymer wear strips found on most Long Reach lateral clamps:

LCC Carton Clamps

LCB Bale Clamps

LCS Pallet Fork Positioners

Drum Clamps

Arm Clamps and Bar Positioners

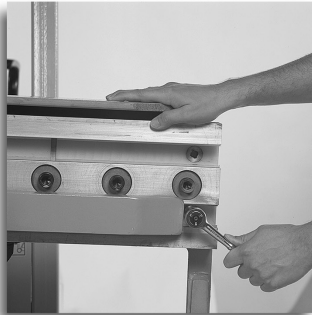
LFD Multi-Pallet Fork Positioners

Load Inverters

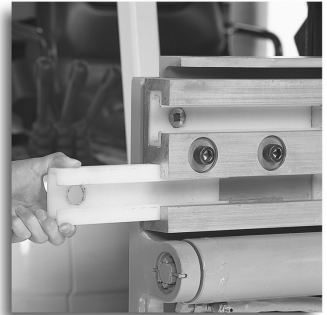
Complete replacement of these wear strips takes about 30-40 minutes and only requires two tools: a hammer or rubber mallet and a 3/8" ratchet with a short extension. Everything else is included in the Long Reach wear strip kit. Refer to your installation manual for a complete wear strip replacement instructions.



1 Remove the outer plugs on one side with a 3/8" ratchet. The plugs were installed with approximately 50 ft-lbs of torque and threadlocker at the factory.



2 Open the clamp's arms to access the plugs on the opposite side. Remove them as in Step One.



3 Once all the plugs have been removed, slide out both old outer wear strip pieces by hand. They slide out with little effort. Keep the long center wear strip in place for now.



4 Insert the new wear strip end piece with the plug hole first, by hand or by tapping with a rubber or leather mallet. Tap in a new center wear strip next.



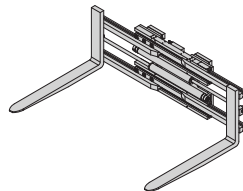
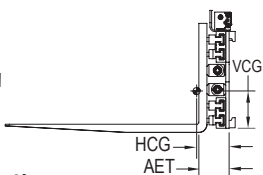
5 Insert the final new wear strip end piece with the plug hole out and tap into place, lining up the retainer plug hole. The old center wear strip will fall away.



6 Reinstall the plugs with Type-N primer and Loc-Tite® 242. Torque the retainer plugs to about 50 ft. lbs. and you're finished.

LCS/NSQ Pallet Fork Clamps

- Weld-on forks for maximum strength
- Clean, grease-free handling — no lubrication required
- High net truck capacity



Non-Sideshifting Pallet Fork Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in) ¹	Fork Size T x W x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NN-FB536	2,500	14–60.8	1.5 x 5 x 36	II/III	7.0	6.1	8.0	745
LCS-25NN-FB542			1.5 x 5 x 42			7.2	7.7	770
LCS-25NN-FB548			1.5 x 5 x 48			8.0	7.5	785
LCS-35NN-FD536	3,500	14–65.8	2 x 5 x 36	II/III	7.5	6.3	7.9	845
LCS-35NN-FD542			2 x 5 x 42			7.4	7.5	880
LCS-35NN-FD548			2 x 5 x 48			7.1	8.7	915
LCS-50NN-FD536	5,000	17–71.4	2 x 5 x 36	II	7.5	6.2	8.1	870
				III	8.5	7.0	8.3	900
LCS-50NN-FD542			2 x 5 x 42	II	7.5	7.3	7.7	900
	5,000	17–71.4	2 x 5 x 42	III	8.5	8.0	7.9	930
				II	7.5	8.6	7.3	940
LCS-50NN-FD548			2 x 5 x 48	III	8.5	8.3	7.7	970
	5,000	17–71.4	2 x 5 x 48	II	7.5	9.9	7.0	975
				III	8.5	9.6	7.2	1,005
LCS-50NN-FD554			2 x 5 x 54	III	8.5	9.6	7.2	1,005
	5,000	17–78.4	2 x 5 x 42	II	7.5	7.1	7.7	950
				III	8.5	7.8	8.2	980
LCS-5CNN-FD542			2 x 5 x 42	III	8.5	7.8	8.2	980
	5,000	17–78.4	2 x 5 x 48	II	7.5	8.3	7.3	985
				III	8.5	9.0	7.8	1015
LCS-5CNN-FD548			2 x 5 x 48	III	8.5	9.0	7.8	1015
	5,000	17–78.4	2 x 5 x 54	II	7.5	9.6	7.0	1,020
				III	8.5	10.3	7.5	1,050
LCS-5DNN-FD542			2 x 5 x 54	III	8.5	10.3	7.5	1,050
	5,000	15–88.4	2 x 5 x 42	II	8.0	5.7	8.5	1,385
				III	9.0	6.5	8.7	1,415
LCS-5DNN-FD548			2 x 5 x 42	III	9.0	6.5	8.7	1,415
	5,000	15–88.4	2 x 5 x 48	II	8.0	6.6	8.2	1,420
				III	9.0	7.4	8.5	1,450
LCS-5DNN-FD548			2 x 5 x 48	III	9.0	7.4	8.5	1,450
	5,000	15–88.4	2 x 5 x 54	II	8.0	7.5	7.9	1,455
				III	9.0	8.3	8.2	1,485
LCS-5DNN-FD554			2 x 5 x 54	III	9.0	8.3	8.2	1,485

¹ Opening range is to inside of forks.

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

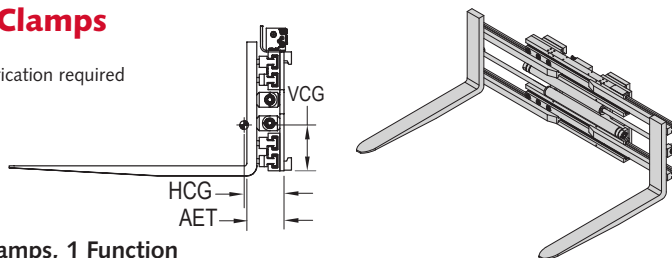
Optional Mounting Hooks

Model Number	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Pin/Shaft Mounting	

For mounting other than shown, consult factory.

LCS/NSQ Pallet Fork Clamps

- Weld-on forks for maximum strength
- Clean, grease-free handling — no lubrication required
- High net truck capacity



Non-Sideshifting Pallet Fork Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in) ¹	Fork Size T x W x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-70NN-FD642	7,000	22.0–86	2 x 6 x 42	III	9.9	6.7	10.1	1,690
				IV		6.6	9.0	1,715
LCS-70NN-FD648			2 x 6 x 48	III		7.8	10.2	1,745
				IV		7.6	8.6	1,770
LCS-70NN-FD654			2 x 6 x 54	III		8.8	9.9	1,790
				IV		8.6	8.3	1,815
LCS-70NN-FD660			2 x 6 x 60	III		9.7	9.7	1,820
				IV		9.5	8.1	1,850
LCS-7CNN-FD642	7,000	15.5–77.4	2 x 6 x 42	III	9.9	6.7	10.1	1,690
				IV		6.6	9.0	1,715
LCS-7CNN-FD648			2 x 6 x 48	III		7.8	10.2	1,745
				IV		7.6	8.6	1,770
LCS-7CNN-FD654			2 x 6 x 54	III		8.8	9.9	1,790
				IV		8.6	8.3	1,815
LCS-7CNN-FD660			2 x 6 x 60	III		9.7	9.7	1,820
				IV		9.5	8.1	1,850
LCS-85NN-FD742	8,500	20–84	2 x 7 x 42	III	9.9	7.0	10.5	1,785
				IV		6.9	8.7	1,810
LCS-85NN-FD748			2 x 7 x 48	III		8.2	10.0	1,855
				IV		8.1	8.3	1,875
LCS-85NN-FD754			2 x 7 x 54	III		9.2	9.7	1,915
				IV		9.1	8.1	1,940
LCS-85NN-FD760			2 x 7 x 60	III		10.1	9.5	1,950
				IV		10.0	8.0	1,975
NSQ-11NN-FF748	11,000	20–86	2.5 x 7 x 48	IV	10.9	8.5	9.4	2,749
NSQ-14NN-FF848	14,000	18–88	2.5 x 8 x 48	IV	13.6	9.0	9.3	2,867

¹ Opening range is to inside of forks.

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25/35	36/41	30/35
LCS-50/5C/5D	41/48/62	35/42/39
LCS-70/85 ITA III	50	36
LCS-70/85 ITA IV	50	39.5
NSQ-11/14	52/56	39/36

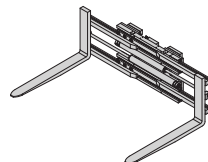
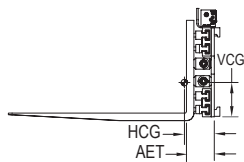
💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS-25 thru LCS-85	7–10	2,500
NSQ-11 thru NSQ-14	9–15	2,250

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

LCS/NSQ Pallet Fork Clamps

- Weld-on forks for maximum strength
- Clean, grease-free handling — no lubrication required
- High net truck capacity



Sideshifting Pallet Fork Clamps, 2 Functions

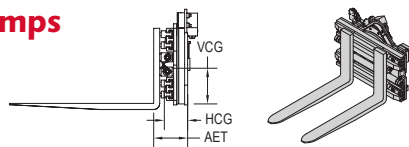
Model Number	Capacity lb @ 24"	Opening Range (in) ¹	Fork Size T x W x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NS-FB536	2,500	14.0–60.8	1.5 x 5 x 36	II/III	7.0	6.0	8.5	785
LCS-25NS-FB542			1.5 x 5 x 42			7.0	8.2	810
LCS-25NS-FB548			1.5 x 5 x 48			8.2	7.8	840
LCS-35NS-FD536	3,500	14.0–65.8	2 x 5 x 36	II/III	7.5	6.2	8.6	875
LCS-35NS-FD542			2 x 5 x 42			7.3	8.2	910
LCS-35NS-FD548			2 x 5 x 48			8.6	7.8	950
LCS-50NS-FD536	5,000	17.0–71.4	2 x 5 x 36	II or III	7.5	6.1	8.9	905
LCS-50NS-FD542			2 x 5 x 42			7.1	8.5	940
LCS-50NS-FD548			2 x 5 x 48			8.3	8.1	980
LCS-50NS-FD554			2 x 5 x 54			9.6	7.8	1,015
LCS-5CNS-FD542	5,000	17.0–78.5	2 x 5 x 42	II or III	7.5	7.0	8.2	980
LCS-5CNS-FD548			2 x 5 x 48			8.2	7.8	1,015
LCS-5CNS-FD554			2 x 5 x 54			9.4	7.5	1,050
LCS-5DNS-FD542	5,000	15.0–88.5	2 x 5 x 42	II or III	8.0	5.5	9.2	1,420
LCS-5DNS-FD548			2 x 5 x 48			6.5	8.9	1,460
LCS-5DNS-FD554			2 x 5 x 54			7.4	8.6	1,495
LCS-70NS-FD642	7,000	22.0–86	2 x 6 x 42	III	9.8	6.5	11.2	1,745
				IV		6.5	11.2	1,745
LCS-70NS-FD648			2 x 6 x 48	III		7.6	10.8	1,800
				IV		7.6	10.8	1,800
LCS-70NS-FD654			2 x 6 x 54	III		8.6	10.5	1,840
				IV		8.6	10.5	1,840
LCS-70NS-FD660			2 x 6 x 60	III		9.5	10.3	1,875
				IV		9.5	10.3	1,875
LCS-7CNS-FD642	7,000	15.5–77.4	2 x 6 x 42	III	9.8	6.5	11.2	1,745
				IV		6.5	11.2	1,745
LCS-7CNS-FD648			2 x 6 x 48	III		7.6	10.8	1,800
				IV		7.6	10.8	1,800
LCS-7CNS-FD654			2 x 6 x 54	III		8.6	10.5	1,840
				IV		8.6	10.5	1,840
LCS-7CNS-FD660			2 x 6 x 60	III		9.5	10.3	1,875
				IV		9.5	10.3	1,875
LCS-85NS-FD742	8,500	20–84	2 x 7 x 42	III	9.8	6.9	11.0	1,840
				IV		6.9	11.0	1,840
LCS-85NS-FD748			2 x 7 x 48	III		8.1	10.6	1,910
				IV		8.1	10.6	1,910
LCS-85NS-FD754			2 x 7 x 54	III		9.1	10.2	1,970
				IV		9.1	10.2	1,970
LCS-85NS-FD760			2 x 7 x 60	III		10.0	10.0	2,005
				IV		10.0	10.0	2,005
NSQ-11NS-FF748	11,000	20–86	2.5 x 7 x 48	IV	10.9	8.5	9.1	2,749
NSQ-14NS-FF848	14,000	18–88	2.5 x 8 x 48	IV	13.6	9.0	9.3	2,867

¹ Opening range is to inside of forks.

Note: See page E-11 for recommended hydraulic supply and minimum truck carriage width.

LCS/NSQ 360° Rotating Pallet Fork Clamps

- Weld-on forks for maximum strength
- Clean, grease-free handling — no lubrication required
- Four degree (4°) mounting available



360° Rotating Pallet Fork Clamps, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in) ¹	Fork Size T x W x L (in)	Mounting Class	Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25RN-FD536	2,500	14.0–60.8	2 x 5 x 36	II	0	12.8	9.7	8.8	1,210
LCS-25RN-FD542			2 x 5 x 42				10.5	8.8	1,240
LCS-25RN-FD548			2 x 5 x 48				11.3	8.8	1,265
LCS-35RN-FD536	3,500	14.0–65.8	2 x 5 x 36	II	0	12.8	9.7	8.9	1,250
LCS-35RN-FD542			2 x 5 x 42				10.4	8.8	1,280
LCS-35RN-FD548			2 x 5 x 48				11.2	8.7	1,310
LCS-50RN-FD636	5,000	15.0–69.4	2 x 6 x 36	II or III	0	12.8/13.1	10.2/10.0	9.6	1,650
LCS-50RN-FD642			2 x 6 x 42				11.0/10.1	9.5	1,690
LCS-50RN-FD648			2 x 6 x 48				11.9/11.7	9.3	1,730
LCS-50RN-FD654			2 x 6 x 54				12.8/12.6	9.0	1,770
LCS-70RN-FF642	7,000	22.0–86	2.5 x 6 x 42	III	0	16.5	11.6	15.5	2,403
				IV		17.4	11.6	15.5	2,428
LCS-70RN-FF648			2.5 x 6 x 48	III		16.5	12.4	15.3	2,453
				IV		17.4	12.4	15.3	2,478
LCS-70RN-FF654			2.5 x 6 x 54	III		16.5	13.4	15.2	2,502
				IV		17.4	13.4	15.2	2,527
LCS-70RN-FF660			2.5 x 6 x 60	III		16.5	14.4	15.0	2,563
				IV		17.4	14.4	15.0	2,588
LCS-7CRN-FF642	7,000	15.5–77.4	2.5 x 6 x 42	III	0	16.5	11.6	15.5	2,403
				IV		17.4	11.6	15.5	2,428
LCS-7CRN-FF648			2.5 x 6 x 48	III		16.5	12.4	15.3	2,453
				IV		17.4	12.4	15.3	2,478
LCS-7CRN-FF654			2.5 x 6 x 54	III		16.5	13.4	15.2	2,502
				IV		17.4	13.4	15.2	2,527
LCS-7CRN-FF660			2.5 x 6 x 60	III		16.5	14.4	15.0	2,563
				IV		17.4	14.4	15.0	2,588
LCS-85RN-FF742	8,500	20–84	2.5 x 7 x 42	III	0	16.5	11.0	15.0	2,599
				IV		17.9	11.0	15.0	2,624
LCS-85RN-FF748			2.5 x 7 x 48	III		16.5	11.9	14.8	2,649
				IV		17.9	11.9	14.8	2,674
LCS-85RN-FF754			2.5 x 7 x 54	III		16.5	12.9	14.7	2,700
				IV		17.9	12.9	14.7	2,725
LCS-85RN-FF760			2.5 x 7 x 60	III		16.5	14.0	14.5	2,754
				IV		17.9	14.0	14.5	2,778
NSQ-11RN-FH748	11,000	20–86	3 x 7 x 48	IV	0	18.7	9.0	7.6	3,960
NSQ-14RN-FH848	14,000	18–88	3 x 8 x 48	IV	0	19.2	9.9	9.3	4,377

¹ Opening range is to inside of forks.

Note: See page E-30 for optional mounting hooks.

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25RN/35RN	36/41	29
LCS-50RN	41	33
LCS-70/85RN ITA III	50	36
LCS-70/85 ITA IV	50	39.5
NSQ-11/14RN	52/64	39/56

! Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS-25RN thru LCS-85RN	12	2,500
NSQ-11/14RN	24	2,250

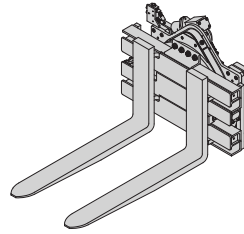
Optional Equipment

Item

Lower Body Wear Plate

SQ Fork Clamps

- Higher capacities and non-rotating models available
- High temperature packing and seals
- Can be designed to fit any lift truck
- Perfect for scrap yards and recycling operations
- Carburized heat treated steel body/no bushings.



Non-Sideshifting Clamps, 360° Rotation, 2 Function

Model Number	Capacity lb @ 24"	Opening Ranges ¹ (in)	Fork Size T x W x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
SQ50NRALB			2 x 6 x 38			8.68	10.44	1,690
SQ50NRABB	5,000	14-66	2 x 6 x 42	III	13.1	9.22	10.23	1,720
SQ50NRAAB			2 x 6 x 48			10.11	9.93	1,760
SQ8NRAJC	8,000	20-84	2.5 x 7 x 48	IV	14.1	12.4	12.9	3,169

Note: Other fork sizes, lengths, and opening ranges available. Consult factory for details.

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
SQ-50NR	41	33
SQ8NRAJC	50	35

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
SQ-50NR	12	2,000
SQ8NRAJC	24	2,500

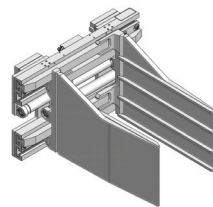
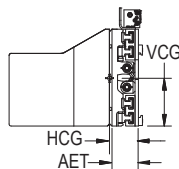
Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

LCB/NSQ Bale Clamps

- LCB Series – for capacities through 8,000 lb
- NSQ Series for higher capacities
- Clean, grease-free handling – no lubrication required
- Fully protected control valve on non-sideshifting LCB models
- Thicker channel style arms for added strength & durability above 8,500 lbs



Non-Sideshifting Bale Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCB-25NN-B1527	2,500	18.5–65.3	15 x 27	II	5.0	7.4	9.4	785
LCB-25NN-B1532			15 x 32			8.9		840
LCB-25NN-B1836			18 x 36			10.1		885
LCB-35NN-B1527			15 x 27			7.1		827
LCB-35NN-B1532	3,500	18.5–70.3	15 x 32	II	5.0	8.1	9.4	864
LCB-35NN-B1836			18 x 36			9.8		927
LCB-35NN-B1840			18 x 40			11.2		1,019
LCB-35NN-B1848			18 x 48			14.1		1,125
LCB-50NN-B1827	5,000	21.5–75.9	18 x 27	II or III	5.0/6.0	7.0/8.0	9.4	851
LCB-50NN-B1832			18 x 32			8.4/9.4		906
LCB-50NN-B1836			18 x 36			9.6/10.6		951
LCB-50NN-B1840			18 x 40			11.0/12.0		1,043
LCB-50NN-B1848	5,000	21.0–75.4	18 x 48	II or III	5.5/6.5	13.8/14.8	9.6	1,149
LCB-5GNN-B1827			18 x 27			5.7/6.7		1,184
LCB-5GNN-B1832			18 x 32			6.8/7.8		1,240
LCB-5GNN-BC527*			15 x 27			4.7/5.7	10.0	1,189
LCB-5ENN-BC527*	5,000	37.5–128.3	15 x 27	II or III	5.5/6.5	6.2/7.2		1,364
LCB-5ENN-B1827	5,000	37.5–128.3	18 x 27	II or III	5.5/6.5	5.2/6.2	9.6	1,386
LCB-5ENN-B1832			18 x 32			6.2/7.2		1,441
LCB-70NN-B1850	7,000	20–84	18 x 50	III	7.3	10.3	12.4	2,145
LCB-7ANN-B2660	7,000	23–93	26 x 60	III	7.3	15.0	12.8	2,765
LCB-85NN-B1850	8,500	24–84	18 x 50	III or IV	7.3	10.4	11.8	2,195
LCB-85NN-B1860			18 x 60			11.3		2,345
NSQ-20DD-B3086	20,000	50–125	30 x 86	None	9.2	16.4	19.0	5,900

* Compress Special

Optional Mounting Hooks

Description	
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Pin/Shaft Mounting	

Mounting other than shown, consult factory.

Minimum Truck Carriage Width

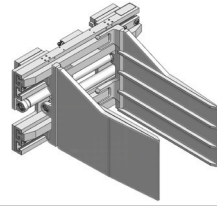
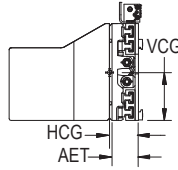
See Page E-16.

! Cotton Bale Handling Capacity

Model Number	Min. Cap. (Bales)	Maximum Capacity (Bales)			
		Gin Flat	Gin Univ. & Gin Standard	Compress Univ. & Compress Std.	Compress HI-D
LCB-25	1	2	2	2	2
LCB-35	1	2	3	2	3
LCB-50	2	2	3	2	3
LCB-5G	1	3	4	3	4
LCB-5E	2	4	5	4	4
LCB-7A	2	8	8	8	8
LCB-70/ LCB-85	2	6	6	6	6
NSQ20	N/A	16	24	20	20

LCB/NSQ Bale Clamps

- LCB Series – for capacities through 8,000 lb
- NSQ Series for higher capacities
- Clean, grease-free handling – no lubrication required
- Thicker channel style arms for added strength & durability above 8,500 lbs



Sideshifting Bale Clamps, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCB-25NS-B1527	2,500	18.5–65.3	15 x 27	II	5.0	7.4	9.4	785
LCB-25NS-B1532			15 x 32			8.9		840
LCB-25NS-B1836			18 x 36			10.1		885
LCB-35NS-B1527	3,500	18.5–70.3	15 x 27	II	5.0	7.1	9.4	827
LCB-35NS-B1532			15 x 32			8.1		864
LCB-35NS-B1836			18 x 36			9.8		927
LCB-35NS-B1840	5,000	18–69.8	18 x 40	II or III	5.0	11.2	9.4	1,019
LCB-35NS-B1848			18 x 48			14.1		1,125
LCB-50NS-B1827			18 x 27			7.0		851
LCB-50NS-B1832	5,000	21.5–75.9	18 x 32	II or III	5.0	8.4	9.4	906
LCB-50NS-B1836			18 x 36			9.6		951
LCB-50NS-B1840			18 x 40			11.0		1,043
LCB-50NS-B1848	5,000	21–75.4	18 x 48	II or III	5.5	13.8	9.6	1,149
LCB-5GNS-B1827			18 x 27			5.7		1,184
LCB-5GNS-B1832			18 x 32			6.8		1,240
LCB-5GNS-BC527*	5,000	19–91.8	15 x 27	II or III	5.5	4.7	10.0	1,189
LCB-5ENS-BC527*		37.5–128.3	15 x 27			6.2		1,364
LCB-5ENS-B1827	5,000	37.5–128.3	18 x 27	II or III	5.5	5.2	9.6	1,386
LCB-5ENS-B1832			18 x 32			6.2		1,441
LCB-70NS-B1850	7,000	20–84	18 x 50	III	7.3	10.3	12.4	2,145
LCB-7ANS-B2660		23–93	26 x 60	III	7.3	15.0	12.8	2,765
LCB-85NS-B1850	8,500	24–84	18 x 50	III or IV	7.3	10.4	11.8	2,195
LCB-85NS-B1860			18 x 60			11.3		2,345
NSQ-20DS-B3086	20,000	50–125	30 x 86	None	9.2	16.4	19.0	5,900

* Compress Special

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCB-25	36	30
LCB-35	41	35
LCB-50	41	35
LCB-5G	62	32.5
LCB-5E	68	39
LCB-70	50	36
LCB-7A	62	36
LCB-85 ITA III	50	36
LCB-85 ITA IV	50	42
NSQ-20	72	Consult Factory

✦ Optional Equipment

See Page E-31 for additional information.

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCB-25/35/50/5G/5E	7–10	2,500
LCB-70/7A/85/8A	7–10	2,500
NSQ-20	15–18	2,250

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

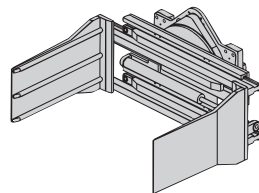
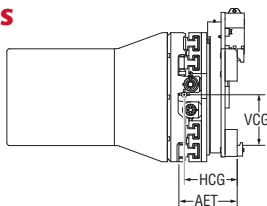
✦ Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

LCB 360° Rotating Bale Clamps

- LCB Series – for capacities to 5,000 lb
- Clean, grease-free handling – no lubrication required
- Thin slab style arms for easy entry between stack



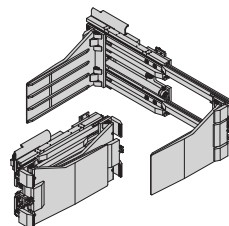
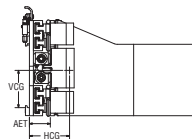
360° Rotating Bale Clamps, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Angle (°) ¹	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCB-25RN-B1527	2,500	18.0–64.8	15 x 27	II	0	10.4	10.1	10.5	1,285
LCB-25RN-B1532			15 x 32			10.4	11.2	10.5	1,350
LCB-25RN-B1836			18 x 36			10.4	12.3	10.5	1,405
LCB-35RN-B1527	3,500	18.0–69.8	15 x 27	II	0	10.4	10.0	10.4	1,325
LCB-35RN-B1532			15 x 32			10.4	11.5	10.5	1,418
LCB-35RN-B1836			18 x 36			10.4	12.1	10.5	1,447
LCB-35RN-B1840			18 x 40			10.4	13.2	10.5	1,500
LCB-35RN-B1848		18.0–69.8	18 x 48			10.4	15.4	10.6	1,610
LCB-50RN-B1827	5,000	21.0–75.4	18 x 27	II	0	10.4	9.5	11.3	1,578
LCB-50RN-B1832			III	0	10.1	9.4	1,582		
			II	0	10.4	10.3	1,610		
			III	0	10.1	10.2	1,615		
LCB-50RN-B1836			18 x 36	II	0	10.4	11.3	11.3	1,700
			III	0	10.1	11.2	1,705		
LCB-50RN-B1840			18 x 40	II	0	10.4	12.2		1,753
				III	0	10.1	12.1		1,758
LCB-50RN-B1848		21.0–75.4	18 x 48	II	0	10.4	14.2	11.3	1,862
				III	0	10.1	14.1		1,867
LCB-5GRN-B1827	5,000	19.0–91.8	18 x 27	II	0	10.9	9.4	11.2	1,790
LCB-5GRN-B1832			III	0	10.6	9.3	11.2	1,795	
			18 x 32	II	0	10.9		10.4	1,880
				III	0	10.6	10.3		1,885
LCB-70RN-B1850	7,000	20–84	18 x 50	III	0	14.5	14.2	17.7	2,940
				IV	0	14.5	14.3	15.7	2,930
LCB85RN-B1850	8,500	20–84	18 x 50	III	0	14.5	14.2	17.8	2,970
				IV	0	14.5	14.3	15.8	2,960
LCB85RN-B1860	8,500	20–84	18 x 60	III	0	14.5	16.5	18.0	3,155
				IV	0	14.5	16.6	16.0	3,145

¹ Four degree (4°) mounting available at no charge.

LCB Folding Arm Clamps

- Designed for trailer-transported fork lifts, where folded arms reduce footprint
- Clean, grease-free handling — no lubrication required
- Rubber-covered aluminum contact pads
- Low profile body and thin-line heel offer unsurpassed visibility



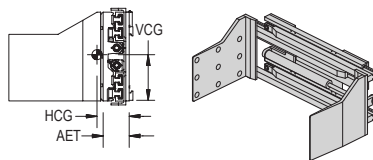
Folding Arm Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Angle (°) ¹	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCB-3MNN-F1836	3,500	22.6–77.3	18 x 36	II	0	6.25	10.3	4.3	1,195

Minimum truck carriage width for LCB-3MNNF-1836 is 31".

LCB Bale Clamps with Cott-n-Ball™ Arms

- Cott-n-Ball arm design allows for easy tipping
- Clean, grease-free handling – no lubrication required
- Cott-n-Balls helps protect bale wrappers from tearing



Non-Sideshifting Bale Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (In)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCB-25NN-BB827	2,500	18.5–65.3	18 x 27	II	5.0	7.4	9.4	785
LCB-35NN-BB827	3,500	18.5–70.3	18 x 27	II	5.0	7.1	9.4	827
LCB-5GNN-BB827	5,000	19.0–91.8	18 x 27	II or III	5.5/6.5	5.7/6.7	9.6	1,184
LCB-5ENN-BB827	5,000	37.0–127.8	18 x 27	II or III	5.5/6.5	5.2/6.2	9.6	1,386

Sideshifting Bale Clamps, 2 Functions

LCB-25NS-BB827	2,500	18.5–65.3	18 x 27	II	5.0	7.4	9.4	785
LCB-35NS-BB827	3,500	18.5–70.3	18 x 27	II	5.0	7.1	9.4	827
LCB-5GNS-BB827	5,000	19.0–91.8	18 x 27	II or III	5.5	5.7	9.6	1,184
LCB-5ENS-BB827	5,000	37.0–127.8	18 x 27	II or III	5.5	5.2	9.6	1,386

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Mounting other than shown, consult factory.	

Optional Equipment

- See Page E-31 for additional information.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCB-25/35/5G/5E	7-10	2,500
LCB-25RN thru LCB-5GRN	12	2,500
LCB-70RN	12	2,500
LCB-85RN	24	2,500

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

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

! Cotton Bale Handling Capacity

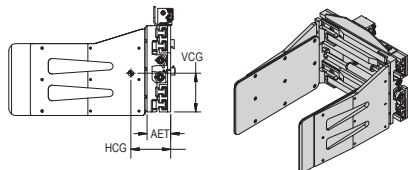
Model Number	Max. Cap. (Bales)	Maximum Capacity (Bales)			
		Gin Flat	Gin Univ. & Gin Standard	Compress Univ. & Compress Std.	Compress HI-D
LCB-25	1	2	2	2	2
LCB-35	1	2	3	2	3
LCB-50	2	2	3	2	3
LCB-5G	1	3	4	3	4
LCB-5E	2	4	5	4	4
LCB-7A	2	8	8	8	8
LCB-70/LCB-85	2	6	6	6	6
NSQ20DD	N/A	16	24	20	20

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCB-25	36	30
LCB-25RN	36	29
LCB-35	41	35
LCB-35RN	41	29
LCB-5G	62	32.5
LCB-5GRN	62	33
LCB-5E	68	39
LCB-50RN	41	33
LCB-70	50	39
LCB-70/85RN ITA III	50	36
LCB-70/85 ITA IV	50	38

LCS All-Purpose Clamps

- Clean, grease-free handling — no lubrication required
- Rubber covered aluminum contact pads
- Unsurpassed visibility — low profile and thin-line heel



Non-Sideshifting All Purpose Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NN-A1830	2,500	19.4–66.1	18 x 30	II	5.0	8.0	8.5	898
LCS-25NN-A1836		18.8–65.5	18 x 36			9.8	8.2	981
LCS-25NN-A2430		19.4–66.1	24 x 30			7.8	8.2	922
LCS-25NN-A2436		18.8–65.5	24 x 36			9.5	8.0	1,012
LCS-25NN-A3030		19.4–66.1	30 x 30			7.6	8.0	1,027
LCS-25NN-A3036		18.8–65.5	30 x 36			9.2	7.8	1,041
LCS-25NN-A3630		19.4–66.1	36 x 30			11.0	11.7	1,130
LCS-25NN-A3636		19.4–66.1	36 x 36			13.3	11.9	1,274
LCS-35NN-A1830	3,500	19.4–71.1	18 x 30	II	5.0	7.7	8.5	939
LCS-35NN-A1836		18.8–70.5	18 x 36			9.5	8.3	1,024
LCS-35NN-A1848		18.6–70.4	18 x 48			13.6	8.1	1,237
LCS-35NN-A2430		19.4–71.1	24 x 30			7.5	8.3	964
LCS-35NN-A2436		18.8–70.5	24 x 36			9.2	8.1	1,054
LCS-35NN-A3030		19.4–71.1	30 x 30			7.5	8.1	989
LCS-35NN-A3036		18.8–70.5	30 x 36			9.0	7.8	1,084
LCS-35NN-A3040		18.6–70.4	30 x 40			10.1	7.8	1,195
LCS-35NN-A3630	5,000	19.4–71.1	36 x 30	II or III	5.0/6.0	10.7	11.7	1,172
LCS-35NN-A3636		19.4–71.1	36 x 36			12.9	11.9	1,316
LCS-35NN-A4028		19.4–71.1	40 x 28			9.5	11.5	1,126
LCS-35NN-A4040		19.2–71.0	40 x 40			14.8	11.8	1,462
LCS-50NN-A1836		21.8–76.1	18 x 36			9.3/10.3	8.3	1,048
LCS-50NN-A1848		21.6–76.0	18 x 48			13.8/14.8	8.0	1,287
LCS-50NN-A2430		22.4–76.8	24 x 30			7.4/8.4	8.3	988
LCS-50NN-A2436		21.8–76.1	24 x 36			9.1/10.1	8.1	1,077
LCS-50NN-A2448		21.6–76.0	24 x 48			13.3/14.3	8.7	1,327

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25	36	30
LCS-35	41	35
LCS-50	41	35

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks

Mounting other than shown, consult factory.

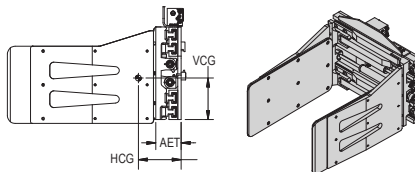
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	7–10	2,500

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

LCS All-Purpose Clamps

- Clean, grease-free handling — no lubrication required
- Rubber covered aluminum contact pads
- Unsurpassed visibility — low profile and thin-line heel



Sideshifting All Purpose Clamps, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NS-A1830	2,500	19.4–66.1	18 x 30	II	5.0	8.0	8.5	898
LCS-25NS-A1836		18.8–65.5	18 x 36			9.8	8.2	981
LCS-25NS-A2430		19.4–66.1	24 x 30			7.8	8.2	922
LCS-25NS-A2436		18.8–65.5	24 x 36			9.5	8.0	1,012
LCS-25NS-A3030		19.4–66.1	30 x 30			7.6	8.0	1,027
LCS-25NS-A3036		18.8–65.5	30 x 36			9.2	7.8	1,041
LCS-25NS-A3630		19.4–66.1	36 x 30			11.0	11.7	1,130
LCS-25NS-A3636		19.4–66.1	36 x 36			13.3	11.9	1,274
LCS-35NS-A1830	3,500	19.4–71.1	18 x 30	II	5.0	7.7	8.5	939
LCS-35NS-A1836		18.8–70.5	18 x 36			9.5	8.3	1,024
LCS-35NS-A1848		18.6–70.4	18 x 48			13.6	8.1	1,237
LCS-35NS-A2430		19.4–71.1	24 x 30			7.5	8.3	964
LCS-35NS-A2436		18.8–70.5	24 x 36			9.2	8.1	1,054
LCS-35NS-A3030		19.4–71.1	30 x 30			7.5	8.1	989
LCS-35NS-A3036		18.8–70.5	30 x 36			9.0	7.8	1,084
LCS-35NS-A3040		18.6–70.4	30 x 40			10.1	7.8	1,195
LCS-35NS-A3630		19.4–71.1	36 x 30			10.7	11.7	1,172
LCS-35NS-A3636		19.4–71.1	36 x 36			12.9	11.9	1,316
LCS-35NS-A4028		19.4–71.1	40 x 28			9.5	11.5	1,126
LCS-35NS-A4040		19.2–71.0	40 x 40			14.8	11.8	1,462
LCS-50NS-A1836	5,000	21.8–76.1	18 x 36	II or III	5.0	9.3	8.3	1,048
LCS-50NS-A1848		21.6–76.0	18 x 48			13.8	8.0	1,287
LCS-50NS-A2430		22.4–76.8	24 x 30			7.4	8.3	988
LCS-50NS-A2436		21.8–76.1	24 x 36			9.1	8.1	1,077
LCS-50NS-A2448		21.6–76.0	24 x 48			13.3	7.7	1,327

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks

Mounting other than shown, consult factory.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25	36	30
LCS-35	41	35
LCS-50	41	35

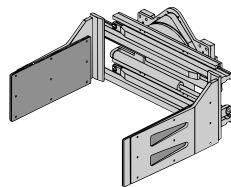
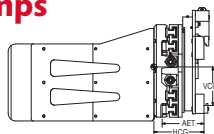
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	7–10	2,500

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

LCS 360° Rotating All-Purpose Clamps

- Widely used in the textile industry
- Clean, grease-free handling — no lubrication required
- Rubber-covered aluminum contact pads
- Low profile body and thin-line heel offer unsurpassed visibility



360° Rotating All Purpose Clamps, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Angle (°) ¹	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25RN-A2430	2,500	18.9–65.6	24 x 30	II	0	10.4	13.3	9.9	1,480
LCS-25RN-A2436		18.6–65.4	24 x 36			10.4	14.3	9.9	1,600
LCS-35RN-A2430	3,500	18.9–70.6	24 x 30	II	0	10.4	12.4	9.9	1,500
LCS-35RN-A2436		18.6–70.4	24 x 36			10.4	14.1	9.9	1,645
LCS-35RN-A2440		18.9–70.6	24 x 40			10.4	15.7/15.5	9.9	1,685
LCS-50RN-A2430	5,000	21.9–76.3	24 x 30	II or III	0	10.4/10.1	11.6/12.6	10.7	1,750
LCS-50RN-A2436		21.6–76.0	24 x 36			10.4/10.1	13.1/15.1	10.7	1,895
LCS-50RN-A2448		21.6–76.0	24 x 48			10.4/10.1	16.7/17.7	10.7	2,130

¹ Four degree (4°) mounting available at no charge.

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25RN	36	29
LCS-35RN	41	29
LCS-50RN	41	33

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	12	2,500

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

🔒 Optional Mounting Hooks

Description	
Class II	Quick change hooks
Class III	Quick change hooks

Mounting other than shown, consult factory.

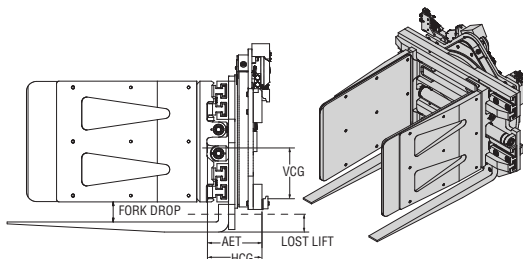
🔧 Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Gaylord Clamps

- Handles bulk box containers
- Capacities from 3,500 to 5,000
- Clean, grease-free handling — no lubrication required



Gaylord Clamps

Model Number	Capacity	Opening Range	Arm Height	Arm/ Fork Usable Length	Fork Size	Fork Out-to-Out	Fork Drop	Lost Lift	Mtg Class	Mtg Angle	AET	HCG	VCG	WT
LCS-35RN-A2436G	3,500	19.0-70.0	24	36	1.5 x 4.0	22.0	6.0	7.5	II	0	10.9	11.5	7.3	1830
LCS-35RN-A2436G	3,500	19.0-70.0	24	36	1.5 x 4.0	22.0	6.0	7.5	III	0	12.6	12.4	7.8	1980
LCS-35RN-A2442G	3,500	19.0-70.0	24	42	1.5 x 4.0	22.0	6.0	7.5	II	0	10.9	14.2	7.3	1985
LCS-35RN-A2442G	3,500	19.0-70.0	24	42	1.5 x 4.0	22.0	6.0	7.5	III	0	12.6	15.0	7.7	2195
LCS-35RN-A2448G	3,500	19.0-70.0	24	48	1.5 x 4.0	22.0	6.0	7.5	II	0	10.9	16.9	7.2	2140
LCS-35RN-A2448G	3,500	19.0-70.0	24	48	1.5 x 4.0	22.0	6.0	7.5	III	0	12.6	17.7	7.6	2350
LCS-50RN-A2442G	5,000	22.0-76.0	24	42	2.0 x 5.0	30.0	6.0	5.5	II/III	0	10.9	13.7	9.2	2300

Other pad and fork sizes/spreads available. Consult factory for details.

Options

Item
Modified opening ranges
Load backrest
Pad sizes
Class II quick change lower hooks
Class III quick change lower hooks
Pressure gauge
Pressure relief valve
Fork lengths
Fork spread
Distance between fork and arm

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	12	2,500

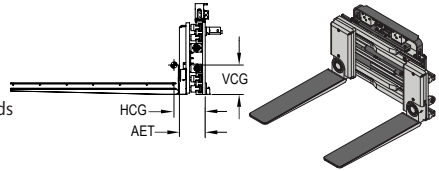
Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-35RN-ITA II	41	29
LCS-35RN-ITA III	41	35
LCS-50RN	41	35

Turning Forks

- One clamp to handle almost anything
- Cradle or clamp from any fork position
- Articulating, rubber-covered arm models for gentle handling
- Rigid, tapered, Algrip-covered arm models for more rugged loads



Articulating, Rubber Covered Arm Models, 3 Functions

Model Number	Capacity lb @ 24"	Mounting Class	Body Width (in)	Arm Width (in)	Arm Length (in)	Opening Range (in) as Clamp	as Fork	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LTF-45NS-A0836	4,500	II	41	8	36	20.5 to 74.5	8.5-63.2	9.2	9.9	5.3	1,210
LTF-45NS-A1042				10	42		6.5-61.2		10.6	5.1	1,240
LTF-45NS-A1048				10	48		6.5-61.2		11.2	5.0	1,270

Solid, Tapered, All-Grip Covered Arm Models, 3 Functions

LTF-45NS-S0836	4,500	II	41	8	36	22 to 76	6-60.8	9.2	9.9	5.0	1,190
LTF-45NS-S1042				10	42		7-61.7		10.6	4.8	1,220
LTF-45NS-S1048				10	48		7-61.7		11.2	4.7	1,250
LTF-45NS-S1060				10	60		7-61.7		13.9	4.4	1,375

Important Notes

- Installation requires two auxiliary valves, hosing and an electric cable.
- A single solenoid valve (2 functions) is furnished with each unit. Please specify truck voltage when ordering.
- A flow divider provides equal arm movement.
- Quick disconnect lower hooks are included.
- See page J-2 for power cord kits.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	10-12	2,500

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

Minimum Truck Carriage Width

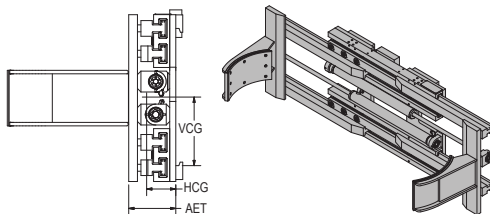
Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LTF-45	41	35

Optional Equipment

Item
Increased fork length or width

LCS Drum Clamps

- Designed to handle 55-gallon steel drums
- Rubber covered non-slip pads
- Other pad/drum styles and higher capacities available
- 2-drum model handles 1 or 2 drums
- 4-drum model handles 2 or 4 drums
- Available in 2-drum (side-by-side) and 4-drum (side-by-side, two deep) models



Non-Sideshifting, 2-Drum Clamps, 1 Function

Model Number	Capacity lb @ 24"	Opening Range (in)	Arm Size H x L (in)	Mounting Class	Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NN-D2A18	2,500	18.3–65.0	8 x 18	II	0	5.0	7.8	8.7	640
LCS-35NN-D2A18	3,500	18.3–70.0							655

Sideshifting, 2-Drum Clamps, 2 Functions

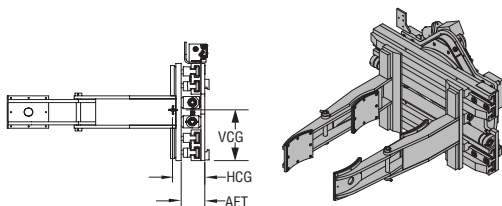
LCS-25NS-D2A18	2,500	18.3–65.0	8 x 18	II	0	5.0	7.8	8.7	640
LCS-35NS-D2A18	3,500	18.3–70.0							655

360° Rotating, 2-Drum Clamps, 2 Functions

LCS-25RN-D2A18	2,500	18.3–65.0	8 x 18	II	0	10.4	10.5	13.0	900
LCS-35RN-D2A18	3,500	18.3–70.0							920

Non-Sideshifting, 4-Drum Clamps, 1 Function

LCS-25NN-D4D42	2,500	15.0–61.5	8 x 42	II	0	5.0	8.7	6.7	775
LCS-35NN-D4D42	3,500	15.0–66.5							790
LCS-50NN-D4D42	5,000	18.0–72.0	8 x 42	II or III	0	5.0/6.0	8.9/9.9	6.9	875



Sideshifting, 4-Drum Clamps, 2 Functions

LCS-25NS-D4D42	2,500	15.0–61.5	8 x 42	II	0	5.0	8.7	6.7	775
LCS-35NS-D4D42	3,500	15.0–66.5							790
LCS-50NS-D4D42	5,000	18.0–72.0	8 x 42	II or III	0	5.0	8.9	6.9	875

360° Rotating, 4-Drum Clamps, 2 Functions

LCS-25RN-D4D42	2,500	15.0–61.5	8 x 42	II	0	10.4	12.4	12.7	1,035
LCS-35RN-D4D42	3,500	15.0–66.5							1,050
LCS-50RN-D4D42	5,000	18.0–72.0	8 x 42	II or III	0	10.4/10.1	12.9/12.6	12.8	1,485

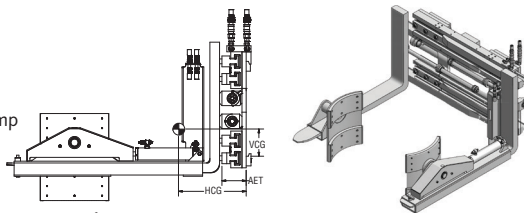
Note: 2-drum handles 1 or 2 drums; 4-drum handles 2 or 4 drums

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-25	36	30
LCS-25RN	36	29
LCS-35	41	35
LCS-35RN	41	29
LCS-50	41	35
LCS-50RN	41	33

LCS Forward Drum Dumper

- Handles a variety of drum sizes and types
- Rubber covered non-slip pads
- Visibility that puts the driver in control
- Dumper arms can be removed to use as a pallet fork clamp



Forward Drum Dumper: 1 Powered Arm, 2 Functions¹

Model Number	Capacity with Forks (lb)	Capacity with Dumper (lb)	Opening Range (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NN-DD1B8	2,500	2,000	9–55.5	II	5.0	13.6	5.6	880
LCS-35NN-DD1B8	3,500		9–60.5					920
LCS-50NN-DD1B8	5,000		12–66.1	II or III	5.0/6.0	13.4/14.4	6.1	1,045

Forward Drum Dumper: 2 Powered Arms, 2 Functions¹

LCS-25NN-DD2B8	2,500	2,000	9–55.5	II	5.0	14.0	5.3	920
LCS-35NN-DD2B8	3,500		9–60.5					960
LCS-50NN-DD2B8	5,000		12–66.1	II or III	5.0/6.0	13.8/14.8	6.1	1,085

¹ Sideshift available. Sideshift adds a third function. A solenoid installation will be required.

Notes: Includes quick disconnect hydraulic couplings to convert drum dumper to a pallet fork clamp.
Standard fork length is 48".

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All non-rotating models	7–10	2,500
All rotating models	12	2,500

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

Capacity

Mounting Class	Truck Rating
II	2,000–5,500
III	6,000–10,000

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)	Body Width (in)
LCS-25	36	30
LCS-35	41	35
LCS-50	41	35

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30 ¹	2
YHJL-8-D-30 ¹	
2527912	Set of 2 quick disconnect hydraulic couplings ²

¹ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

² See page J-3 for more information on quick disconnect coupling kits.

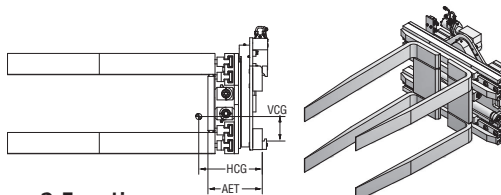
Optional Mounting Hooks

Description
Class II Quick change hooks
Class III Quick change hooks

Mounting other than shown, consult factory.

LCS 360° Load Inverters

- LCS Series for capacities to 8,500 lb
- Clean, grease-free handling
- Two or four forks per arm



360° Rotating Load Inverters: 2 Forks per Arm, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range (in)	Fork Size T x H x L (in)	Fork Spacing Out to Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-35RN-I2B42	3,500	22-73.8	1.5 x 5 x 42	24	II	12.4	11.7	10.2	1,325
LCS-35RN-I2B48			1.5 x 5 x 48				12.9		1,365
LCS-50RN-I2D48	5,000	25.5-79.9	2 x 5 x 48	24	II or III	12.4/12.6	13.1	11.0	1,740
LCS-50RN-I2D54			2 x 5 x 54				14.3		1,795
LCS-70RN-I2V36	7,000	35-99	2 x 6 x 36	29	III	Consult Factory	Consult	Consult	Consult
LCS-70RN-I2V48			2 x 6 x 48				Consult	Consult	Consult
LCS-85RN-I2N36	8,500	35-99	2.5 x 6 x 36	29	III or IV	Consult Factory	Consult	Consult	Consult
LCS-85RN-I2N48			2.5 x 6 x 48				Consult	Consult	Consult

360° Rotating Load Inverters: 4 Forks per Arm, 2 Functions

LCS-35RN-I4E32	3,500	23.0-74.8	1.5 x 4 x 32	46	II	12.4	11.5	10.2	1,455
LCS-35RN-I4B48	3,500	22.5-74.3	1.5 x 5 x 48	40	II	12.4	16.2	10.2	1,795
LCS-50RN-I4D48	5,000	26.0-80.4	2 x 5 x 48	40	II or III	12.4/12.6	16.6	10.8	2,290

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS-35RN/50RN	12	2,500
LCS-70RN	12	2,500
LCS-85RN	12	2,500

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

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Optional Features

See Page E-31 and Page E-32 for additional information.

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Pin/Shaft Mounting	See page J5

Mounting other than shown, consult factory.

Capacity

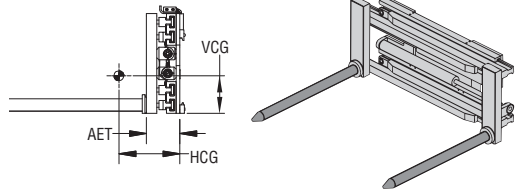
Mounting Class	Truck Rating
II	2,000-5,500
III	6,000-10,000
IV	10,000-15,000

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCS-35RN	41	29
LCS-50RN	41	33
LCS-70/85RN ITA III	50	36
LCS-70/85 ITA IV	50	38

LCS Bar Positioners

- Clean, grease-free handling of textile rolls
- Visibility that puts the driver in control
- Application engineered for the textile industry
- Hardened tips standard for extended life



Non-Sideshifting Bar Positioners, 1 Function

Model Number	Capacity (lb) @ 24" ¹	Opening Range (in)	Arm Size D x L (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-45NN-R2542	4,500	10.0–56.8	2.5 x 42	II	9.0	7.2	8.2	764
LCS-45NN-R2548	4,500		2.5 x 48			8.1	8.0	780
LCS-45NN-R3042	4,500		3 x 42			8.6/9.6	7.5	821
LCS-45NN-R3048	4,500	10.0–56.8	3 x 48	II or III	9.0/10.0	9.8/10.8	7.2	845
LCS-45NN-R3060	4,500		3 x 60			12.6/13.6	6.7	893
LCS-45NN-R3072	4,500		3 x 72			15.6/16.6	6.3	941
LCS-4RNN-R3042	4,500	6.0–48.8	3 x 42	II or III	9.0/10.0	8.6/9.6	7.5	821
LCS-4RNN-R3048	4,500		3 x 48			9.8/10.8	7.2	845
LCS-4RNN-R3060	4,500		3 x 60			12.6/13.6	6.7	893
LCS-4RNN-R3072	4,500		3 x 72		9.0/10.0	15.6/16.6	6.3	941

Sideshifting Bar Positioners, 2 Functions

LCS-45NS-R2542	4,500	10.0–56.8	2.5 x 42	II	9.0	7.2	8.2	764
LCS-45NS-R2548	4,500		2.5 x 48			8.1	8.0	780
LCS-45NS-R3042	4,500		3 x 42			8.6	7.5	821
LCS-45NS-R3048	4,500	10.0–56.8	3 x 48	II or III	9.0	9.8	7.2	845
LCS-45NS-R3060	4,500		3 x 60			12.6	6.7	893
LCS-45NS-R3072	4,500		3 x 72			15.6	6.3	941
LCS-4RNS-R3042	4,500	6.0–48.8	3 x 42	II or III	9.0	8.6	7.5	821
LCS-4RNS-R3048	4,500		3 x 48			9.8	7.2	845
LCS-4RNS-R3060	4,500		3 x 60			12.6	6.7	893
LCS-4RNS-R3072	4,500		3 x 72		8.8	15.6	6.3	941

¹Capacity rating specified is basic. Provide roll weight and length to ensure proper arm size selection

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS Models	7–10	2,500

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

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Optional Mounting Hooks

Description	
Class II	Quick change hooks
Class III	Quick change hooks

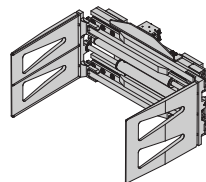
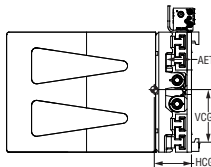
Mounting other than shown, consult factory.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
All models	41	35

LCP/NSQ Pulp Bale Clamps

- Clean, grease-free handling – no lubrication required
- Internal sideshift for maneuverability
- Thin arm design for easier entry between stacks
- For All-in-One pulp/paper clamp, see Page D-15



Sideshifting Pulp Bale Clamps, 2 Functions

Model Number	Capacity lb @ L.C.	Opening Range (in)	Body Width (in)	Arm Size H x L (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Mounting Class	Weight (lb)
LCP-44NS-P1827	4,400	22.8–77.1	41	18 x 27	5.0	7.0	9.8	II or III	851
LCP-44NS-P1848		22.3–76.6		18 x 48	5.0	13.8	9.5		1,150
LCP-44NS-P4824		22.8–77.1	48	48 x 24	5.0	9.8	17.0	II or III	997
LCP-4CNS-P1827		22.8–84.1		18 x 27	5.0	6.5	9.7		939
LCP-4CNS-P1848		22.3–83.6		18 x 48	5.0	13.0	9.6		1,237
LCP-4CNS-P4824	5,500	22.8–84.1	41	48 x 24	5.0	9.3	16.5	III	1,085
LCP-55NS-P1827		22.8–76.5		18 x 27	5.5	6.4	9.8		985
LCP-55NS-P1848		22.3–76.0	48	18 x 48	5.5	12.6	9.6	III	1,282
LCP-55NS-P4824		22.8–76.5		48 x 24	5.5	9.0	16.2		1,130
LCP-5CNS-P1827		22.8–83.5		18 x 27	5.5	6.0	9.8		1,095
LCP-5CNS-P1848	7,500	22.3–83.0	50	18 x 48	5.5	11.8	9.6	III	1,393
LCP-5CNS-P4824		22.8–83.5		48 x 24	5.5	8.4	15.6		1,241
NSQ-75NS-P1540		22–74	62	15 x 40	9.6 ¹	8.8	11.6	III	1,875
NSQ-75NS-P1548				15 x 48	9.6 ¹	12.3	10.8		2,095
NSQ-7ANS-P1540	8,800	22–90	50	15 x 40	9.6 ¹	9.6	11.3	III	2,175
NSQ-7ANS-P1548				15 x 48	9.6 ¹	11.4	11.3		2,395
NSQ-88NS-P2048		22–76	62	20 x 48	9.6 ¹	14.2	12.5	IV	2,685
NSQ-88NS-P2055				20 x 55	9.6 ¹	16.6	11.9		2,850
NSQ-8ANS-P2048	11,000	22–90	52	20 x 48	9.6 ¹	12.8	12.6	IV	3,050
NSQ-8ANS-P2055				20 x 55	9.6 ¹	14.0	11.8		3,230
NSQ-11NS-P2048		25–84	58	20 x 48	10.3 ¹	11.3	13.6	IV	3,060
NSQ-11NS-P2055				20 x 55	10.3 ¹	13.1	12.9		3,125
NSQ-11NS-P4848	17,000	25–91	64	48 x 48	10.3 ¹	15.0	15.8	IV	3,678
NSQ-11NS-P4856				48 x 56	10.3 ¹	19.4	17.4		4,875
NSQ-1ANS-P2048		34–110	96	20 x 48	10.3 ¹	10.5	13.6	IV	3,425
NSQ-1ANS-P2055				20 x 55	10.3 ¹	11.7	13.0		3,505
NSQ-17NS-P2055	20,000	24–120	125	20 x 55	Consult	Consult	Consult	Pin	4,895
NSQ-17NS-P2063				20 x 63	Factory	Factory	Factory		5,050
NSQ-20NS-P3055	20,000	28–158		30 x 55	Consult	Consult	Consult	Pin	6,850
NSQ-20NS-P3063				30 x 63	Factory	Factory	Factory		7,080

¹ NSQ AET measured to heel.

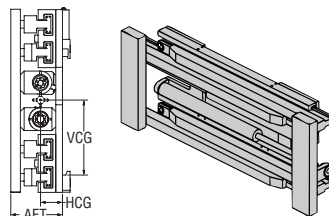
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCP-44NS/5CNS	7–10	2,500
NSQ-75NS/1ANS	9–15	2,250
NSQ-17NS/20NS	15–18	2,250

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

LCS/NSQ Lateral Clamps Without Arms

- Clean, grease-free handling — no lubrication required
- Welded heel plates for maximum strength
- Drilled and tapped heel plates optional



Non-Sideshifting Clamps Less Arms, 1 Function

Model Number	Capacity lb @ 24"	Opening Ranges ¹ (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25NN-LA524	2,500	24–70.8	II	5.0	2.9	9.9	560
LCS-35NN-LA524	3,500	24–75.8	II	5.0	2.9	9.9	600
LCS-50NN-LA524	5,000	27–81.5	II or III	5.0/6.0	3.3/4.3	10.5	620
LCS-5CNN-LA524		27–88.5		5.0/6.0	3.3/4.3	10.5	640
LCS-5DNN-LA524		25–98.5		5.5/6.5	3.6/4.6	10.5	840
LCS-70NN-LA728	7,000	34–98	III	7.5	6.4	13.7	1250
LCS-7ANN-LA728	7,000	34–110	III	7.5	6.4	13.7	1380
LCS-85NN-LA728	8,500	34–98	III or IV	7.5	6.4	13.7	1280
LCS-8ANN-LA728	8,500	34–110	III or IV	7.5	6.4	13.7	1430
NSQ-14NN-LA729	14,000	34–104	IV	8.9	5.6	11.2	2,090
NSQ-20NN-LA934	20,000	66–141	None	9.8	5.0	Consult Factory	3,460
NSQ-30NN-LA941	30,000	104–210	None	9.1	4.7	Consult Factory	5,660

Sideshifting Clamps Less Arms, 2 Functions

LCS-25NS-LA524	2,500	24–70.8	II	5.0	2.9	9.9	560
LCS-35NS-LA524	3,500	24–75.8	II	5.0	2.9	9.9	600
LCS-50NS-LA524	5,000	27–81.5	II or III	5.0	3.3	10.5	620
LCS-5CNS-LA524		27–88.5		5.0	3.3	10.5	640
LCS-5DNS-LA524		25–98.5		5.5	3.6	10.5	840
LCS-70NS-LA728	7,000	34–98	III	7.5	6.4	13.7	1260
LCS-7ANS-LA728	7,000	34–110	III	7.5	6.4	13.7	1390
LCS-85NS-LA728	8,500	34–98	III or IV	7.5	6.4	13.7	1290
LCS-8ANS-LA728	8,500	34–110	III or IV	7.5	6.4	13.7	1440
NSQ-14NS-LA729	14,000	34–104	IV	8.9	5.6	11.2	2,100
NSQ-20NS-LA934	20,000	66–141	None	9.8	5.0	Consult Factory	3,470
NSQ-30NS-LA941	30,000	104–210	None	9.1	4.7	Consult Factory	5,670

¹ Opening range is measured to outside of heel plates. Inside range will vary depending on arm style used.

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

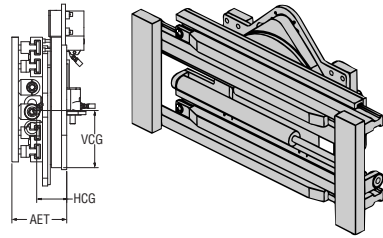
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS-25 thru LCS-85	7–10	2,500
NSQ-11 thru NSQ-14	15–18	2,250

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

LCS/NSQ 360° Rotating Lateral Clamps

- Clean, grease-free handling — no lubrication required
- Welded heel plates for maximum strength
- Drilled and tapped heel plates optional



360° Rotating Clamps Less Arms, 2 Functions

Model Number	Capacity lb @ 24"	Opening Range ¹ (in)	Mounting Class	Angle (°) ²	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCS-25RN-LA524	2,500	24–70.8	II	0	10.4	6.1	9.2	1,100
LCS-35RN-LA524	3,500	24–75.8	II	0	10.4	6.2	9.3	1,145
LCS-50RN-LA524	5,000	27–81.5	II	0	10.4	5.6	9.3	1,570
			III	0	10.1	5.6	9.3	1,575
LCS-5CRN-LA524	5,000	27–88.5	II	0	10.4	5.8	9.2	1,645
			III	0	10.1	5.7	9.2	1,650
LCS-5DRN-LA524	5,000	25–98.5	II	0	10.4	6.0	9.2	1,785
			III	0	10.1	5.9	9.2	1,790
LCS-70RN-LA728	7,000	34–98	III	0	Consult Factory	Consult Factory	Consult Factory	Consult Factory
			IV	0				
LCS-7ARN-LA728	7,000	37–107	III	0	Consult Factory	Consult Factory	Consult Factory	Consult Factory
			IV	0				
LCS-85RN-LA728	8,500	34–98	III	0	Consult Factory	Consult Factory	Consult Factory	Consult Factory
			IV	0				
LCS-8ARN-LA728	8,500	34–110	III	0	Consult Factory	Consult Factory	Consult Factory	Consult Factory
			IV	0				
NSQ-14RN-LA729	14,000	34–104	IV	0	12.9	8.6	18.1	3,440
NSQ-20RN-LA934	20,000	66–141	None	0	Consult Factory			

¹ Opening range is measured to outside of heel plates. Inside range will vary depending on arm style used.

² Four degree (4°) mounting available at no charge.

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Non Rotating (in)	Rotating (in)
LCS-25	36	30	29
LCS-35	41	35	29
LCS-50	41	35	33
LCS-5C	48	42	33
LCS-5D	62	39	33
LCS-70/85 ITA III	50	36	36
LCS-7A/8A ITA III	62	36	36
LCS-7A/8A ITA IV	62	42	38
LCS-70/85 ITA IV	50	42	38
NSQ-14	56	36	52
NSQ-20	72	Consult Factory	

🔒 Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Class II/III	Dual bolt-on hooks
Class II/III	Dual quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	See page J-6

For mounting other than shown, consult factory.

🔧 Optional Features

See Page E-31 for additional information.

Optional Equipment — Lateral Clamps

Optional Equipment

Item
Cylinder cover
Arms – extra set(s): bolt-on or slip-on
Restricted rotation: 90°–180°– 270°
Flow divider for equal arm movement: Rotating units Non-rotating, high capacity units
Modified opening ranges
Drilled heel plates (NSQ series only) Standard drill pattern Special drill pattern
Mounting option: Shaft or pin-type mounting brackets
Sideshifting option for rotating lateral clamps
One drum cut-out per fork @ 24" load center
Two drum cut-outs per fork @ 24" load center
Stiffner

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
LCS-25 thru LCS-70	12	2,500
LCS-85RN	12	2,500
NSQ-14RN thru NSQ-20RN	24	2,250

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

Installation Equipment

Model Number	Item
YL-279	Single setting relief valve
2528295	Single setting relief valve, 3600 psi max
YL-354	Three-position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kit, 2 functions ¹
YSVK-2	Solenoid installation kit, 3 functions ¹
Y088122.1	Control knob, 2 function (1 button)
Y088122.2	Control knob, 3 function (2 button)
Y088122.3	Control knob, 4 function (3 button)
2527912	Set of 2 quick disconnect hydraulic couplings ²

¹ Does not include any electrical adaptation for truck.

² See page J-3 for more information on quick disconnect coupling kits.

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Class II/III	Dual bolt-on hooks
Class II/III	Dual quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	

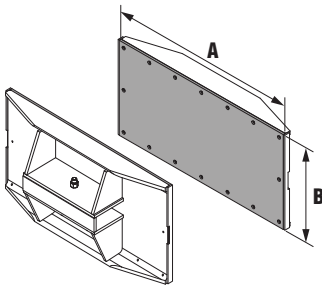
Mounting other than shown, consult factory.

Custom Designed Arms

- Consult factory for price and delivery
- Specify fork width and thickness when ordering
- Other styles and options available

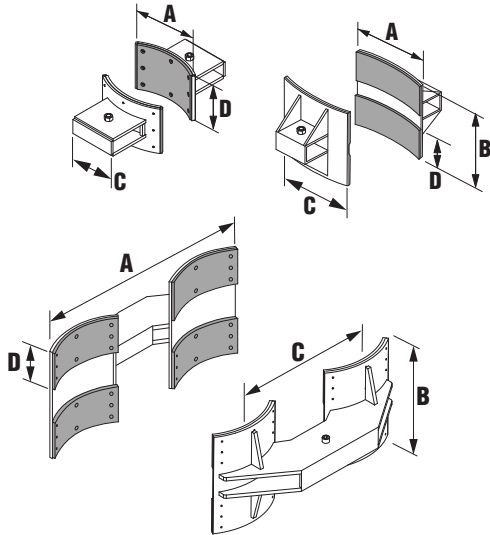
Slip-On Rubber-Covered Arms

Model	A (in)	B (in)
YSC-2740R	27	15
YSC-3040R	30	15
YSC-3640R	36	15
YSC-2750R	27	18
YSC-3050R	30	18
YSC-3650R	36	18



Slip-On Rubber-Covered Drum Arms (Pair)

Model	A (in)	B (in)	C (in)	D (in)
Two-Drum Arms				
YSBR-1440R-A	12	8	8	—
YSBR-1440R-B	12	18	8	6
Four-Drum Arms				
YSBR-3940R-A	36	8	24	—
YSBR-3940R-B	36	18	24	6

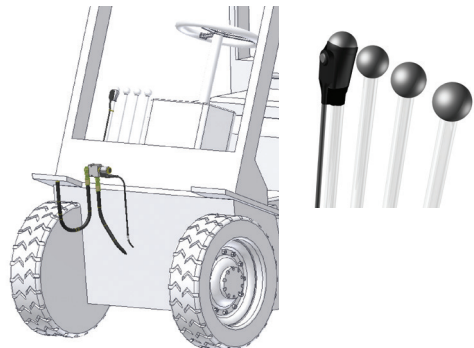


Clamp Opening Control Kits

- Requires the operator to perform two distinct actions to release the clamping force of an attachment
- Conforms to ANSI/ITSDF B56.1, Section 7.25.7 requirements
- May be easily retrofitted onto existing installations

Clamp Opening Control Kits

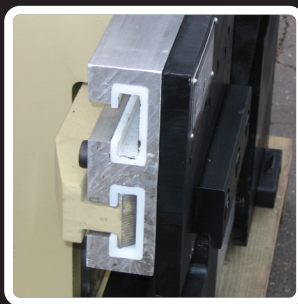
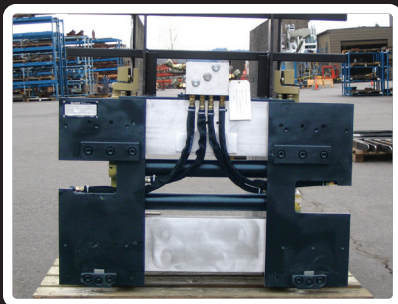
Part Number	Description
2520519	Kit for 12V lift trucks
2520520	Kit for 24V lift trucks
2520521	Kit for 36V lift trucks
2520522	Kit for 48V lift trucks



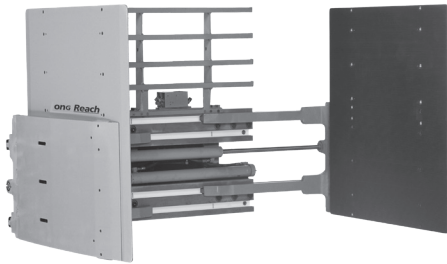
Carton Clamps



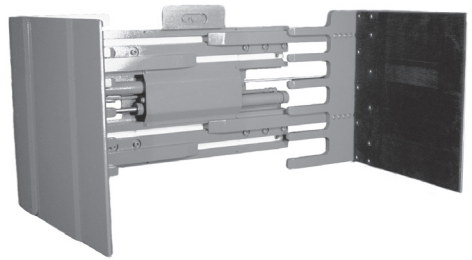
Securely handle a wide variety of packaged goods in and out of tight spaces with Long Reach carton clamps.



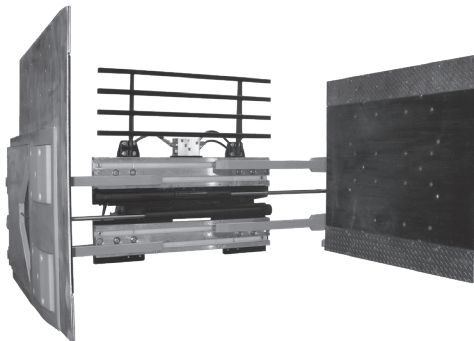
Carton Clamps



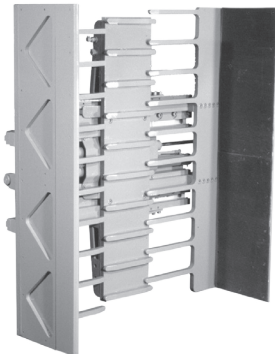
Adjust-A-Force Carton Clamp



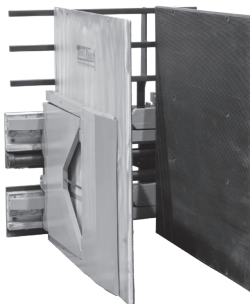
Razor-Flex Carton Clamp



Articulating Arm Carton Clamp

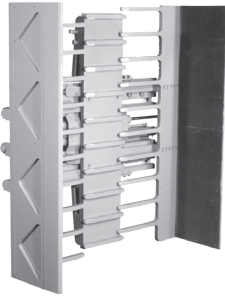


Mini-Arm Appliance Clamp



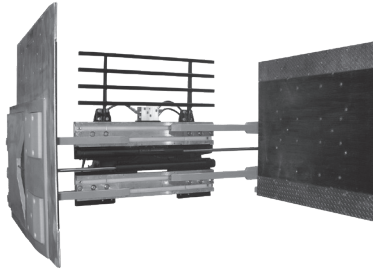
Double Wide Carton Clamp

LCC Series Carton Clamps



**Mini-Arm
Appliance Clamp**

See page F-7



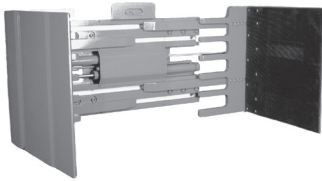
**Articulating Arm
Carton Clamp**

See page F-4



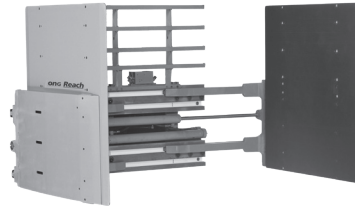
**Double Wide
Carton Clamp**

See page F-6



Razor-Flex Carton Clamp

See page F-6



Adjust-A-Force Carton Clamp

See page F-5

- ♦ Adjust-A-Force carton clamp:
 - » Features thinner arms than most conventional carton clamps
 - » Tapered arm and beveled pad tips create smooth outer arm surface
 - » Superior visibility through the left-hand arm
 - » Standard rugged load backrest
 - » Adjustable fulcrum sets quickly and easily distributes clamping force
- ♦ Razor-Flex carton clamp is designed to handle large appliances such as refrigerators, freezers, washers and dryers
- ♦ Articulating arm carton clamp:
 - » Allows driver to grip tightly stacked loads without disturbing adjacent rows
 - » Features the thinnest articulating arm on the market
- ♦ Mini-arm appliance carton clamp is specifically designed to handle appliances such as refrigerators, freezers and ovens packed in single, reinforced cases
- ♦ All carton clamps feature “Repair-N-Place” serviceability, meaning no-lube polymer wear strips can be replaced in just minutes

Repair-N-Place

For: LCC Carton Clamps • LCB Bale Clamps • LCS Pallet Fork Positioners • Drum Clamps • Arm Clamps • Bar Positioners • LFP Fork Positioners • Load Inverters

Ongoing clamp operating expenses can be just as costly as the initial purchase. Long Reach's patented "Repair-N-Place" design allows for reduced labor and maintenance costs over the life of the attachment, featuring streamlined replacement of polymer wear strips found on most Long Reach lateral clamps:

LCC Carton Clamps

LCB Bale Clamps

LCS Pallet Fork Positioners

Drum Clamps

Arm Clamps and Bar Positioners

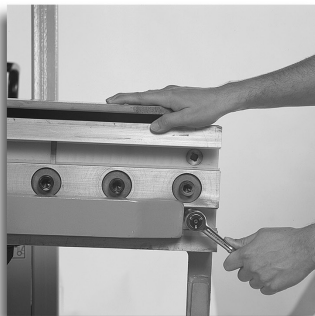
LFD Multi-Pallet Fork Positioners

Load Inverters

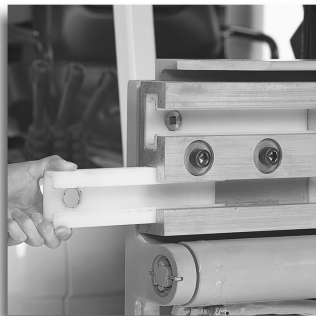
Complete replacement of these wear strips takes about 30-40 minutes and only requires two tools: a hammer or rubber mallet and a 3/8" ratchet with a short extension. Everything else is included in the Long Reach wear strip kit. Refer to your installation manual for a complete wear strip replacement instructions.



1 Remove the outer plugs on one side with a 3/8" ratchet. The plugs were installed with approximately 50 ft-lbs of torque and threadlocker at the factory.



2 Open the clamp's arms to access the plugs on the opposite side. Remove them as in Step One.



3 Once all the plugs have been removed, slide out both old outer wear strip pieces by hand. They slide out with little effort. Keep the long center wear strip in place for now.



4 Insert the new wear strip end piece with the plug hole first, by hand or by tapping with a rubber or leather mallet. Tap in a new center wear strip next.



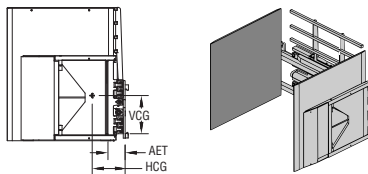
5 Insert the final new wear strip end piece with the plug hole out and tap into place, lining up the retainer plug hole. The old center wear strip will fall away.



6 Reinstall the plugs with Type-N primer and Loc-Tite® 242. Torque the retainer plugs to about 50 ft. lbs. and you're finished.

LCC Articulating Arm Carton Clamps

- Thin-arm profile along the entire arm allows ease of entry
- For tight breakout situations; ideal for handling appliances
- Clean, grease-free handling; Repair-N-Place serviceability
- Sideshift improves productivity



Sideshifting Carton Clamps, 2 Functions

Model Number	Capacity lbs @ LC (in)	Opening Range (in)	Arm Size L x H (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCC-15NS-B3048	1,500 @ 15	22-76	30 x 48	II or III	5.0	8.3	14.4	1,130
LCC-15NS-B4048	1,500 @ 20		40 x 48			11.2	14.5	1,280
LCC-15NS-B4248	1,500 @ 21		42 x 48			11.9	14.6	1,320
LCC-15NS-B4448	1,500 @ 22		44 x 48			12.5	14.6	1,355
LCC-15NS-B4648	1,500 @ 23		46 x 48			13.2	14.6	1,390
LCC-15NS-B4848	1,500 @ 24		48 x 48			13.7	14.5	1,410
LCC-15NS-B5448	1,500 @ 27	19-65	54 x 48	II or III	5.0	15.9	14.6	1,555
LCC-2ANS-B4048	2,500 @ 20		40 x 48			11.5	14.6	1,241
LCC-2ANS-B4248	2,500 @ 21		42 x 48			12.2	14.6	1,280
LCC-2ANS-B4448	2,500 @ 22		44 x 48			12.8	14.6	1,315
LCC-2ANS-B4648	2,500 @ 23		46 x 48			13.5	14.6	1,350
LCC-2ANS-B4848	2,500 @ 24		48 x 48			14.0	14.5	1,370
LCC-25NS-B3048	2,500 @ 15	22-76	30 x 48	II or III	5.0	8.3	14.4	1,130
LCC-25NS-B4048	2,500 @ 20		40 x 48			11.2	14.5	1,285
LCC-25NS-B4248	2,500 @ 21		42 x 48			11.8	14.5	1,325
LCC-25NS-B4448	2,500 @ 22		44 x 48			12.5	14.6	1,360
LCC-25NS-B4648	2,500 @ 23		46 x 48			13.2	14.6	1,395
LCC-25NS-B4848	2,500 @ 24		48 x 48			13.7	14.5	1,415
LCC-25NS-B5448	2,220 @ 27	22-76	54 x 48	II or III	5.0	15.9	14.7	1,540
LCC-35NS-B4048	3,500 @ 20		40 x 48			11.5	14.7	1,330
LCC-35NS-B4248	3,500 @ 21		42 x 48			12.1	14.7	1,360
LCC-35NS-B4448	3,500 @ 22		44 x 48			12.8	14.8	1,400
LCC-35NS-B4648	3,500 @ 23		46 x 48			13.4	14.8	1,435
LCC-35NS-B4848	3,500 @ 24		48 x 48			14.1	14.8	1,470
LCC-35NS-B5448	3,110 @ 27		54 x 48			16.2	14.9	1,585

! Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCC-2A	36	30
LCC-15/25/35	41	35

🔧 Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

🔒 Lower Mounting Hooks

Model Number	Mounting Class	Angle (°)	Description
ANO	II	0	Bolt-on
AQ0			Quick change
BNO	III	0	Bolt-on
BQ0			Quick change

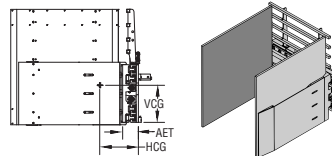
💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	7-9	2,500

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

LCC ADJUST-A-FORCE™ Carton Clamps

- Clean, grease-free handling, patented Repair-N-Place serviceability
- Provides "soft touch" to handle the most delicate products
- Exclusive spring plate arms distribute force evenly over load support area



Sideshifting Carton Clamps, 2 Functions

Model Number	Capacity lbs @ LC (in)	Opening Range (in)	Arm Size L x H (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lbs)
LCC-25NS-S4048	2,500 @ 20	21.0–75.5	40 x 48	II	5.0	13.0	13.6	1,181
LCC-25NS-S4248	2,500 @ 21		42 x 48			13.5	13.7	1,200
LCC-25NS-S4648	2,500 @ 23		46 x 48			14.3	13.8	1,228
LCC-25NS-S4848	2,500 @ 24		48 x 48			15.5	13.8	1,294
LCC-35NS-S4048	3,500 @ 20	21.0–75.5	40 x 48	II	5.0	12.6	13.5	1,223
LCC-35NS-S4248	3,500 @ 21		42 x 48			13.1	13.5	1,242
LCC-35NS-S4648	3,500 @ 23		46 x 48			13.9	13.7	1,270
LCC-35NS-S4848	3,500 @ 24		48 x 48			15.1	13.7	1,336
LCC-35NS-S5248	3,230 @ 26	21.0–75.5	52 x 48	II	5.0	16.0	13.8	1,364
LCC-35NS-S5448	3,110 @ 27		54 x 48			16.2	14.9	1,490
LCC-35NS-S4054	3,500 @ 20		40 x 54			13.2	14.5	1,255
LCC-35NS-S4254	3,500 @ 21		42 x 54			13.8	14.6	1,275
LCC-35NS-S4654	3,500 @ 23	21.0–75.5	46 x 54	II	5.0	14.6	14.9	1,310
LCC-35NS-S4854	3,500 @ 24		48 x 54			15.6	14.9	1,375
LCC-35NS-S5254	3,230 @ 26		52 x 54			16.5	15.0	1,407
LCC-35NS-S5454	3,110 @ 27		54 x 54			18.5	15.0	1,534
LCC-35NS-S4060	3,500 @ 20	21.0–75.5	40 x 60	II	5.0	13.3	15.6	1,288
LCC-35NS-S4260	3,500 @ 21		42 x 60			13.9	15.8	1,310
LCC-35NS-S4660	3,500 @ 23		46 x 60			14.8	16.1	1,345
LCC-35NS-S4860	3,500 @ 24		48 x 60			16.0	16.1	1,415
LCC-35NS-S5260	3,230 @ 26	21.0–75.5	52 x 60	II	5.0	17.0	16.3	1,450
LCC-35NS-S5460	3,110 @ 27		54 x 60			18.9	16.3	1,580
LCC-50NS-S4248	5,000 @ 21	21.0–75.5	42 x 48	II or III	5.0	13.0	13.5	1,265
LCC-50NS-S4648	5,000 @ 23		46 x 48			13.7	13.6	1,295
LCC-50NS-S4848	5,000 @ 24		48 x 48			14.9	13.6	1,360
LCC-50NS-S4060	5,000 @ 20		40 x 60			13.2	15.5	1,316
LCC-50NS-S4260	5,000 @ 21	21.0–75.5	42 x 60	II or III	5.0	13.7	15.7	1,334
LCC-50NS-S4660	5,000 @ 23		46 x 60			14.6	16.0	1,369
LCC-50NS-S4860	5,000 @ 24		48 x 60			15.8	16.0	1,438

Lower Mounting Hooks

Model Number	Mounting Class	Angle (°)	Description
ANO	II	0	Bolt-on
AQO			Quick change
BNO	III	0	Bolt-on
BQO			Quick change

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCC-25/35/50	41	35

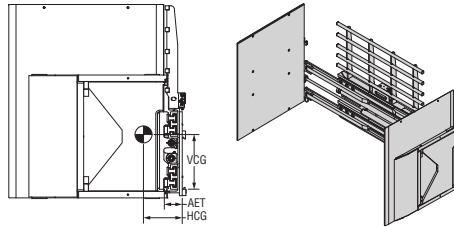
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	7–9	2,500

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

Double-Wide Carton Clamp

- Designed for handling one or two unit loads at a time
- Clean, grease-free handling.
- Repair-N-Place serviceability

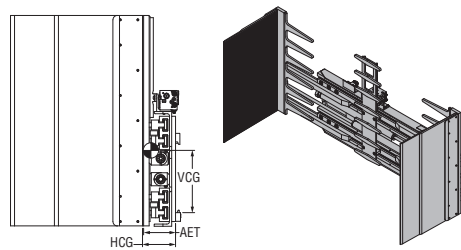


Sideshifting Carton Clamps, 2 Functions

Model Number	Capacity lbs @ 24" LC	Opening Range (in)	Arm Size L x H (in)	Body Width	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lbs)
LCC-1DNS-B4848	1,500	36 – 102	48 x 48	48	II	5.0	12.6	14.5	1,568
LCC-2DNS-B4848	2,500	36 – 102	48 x 48	52	II	5.1	12.5	14.5	1,590
LCC-3DNS-B4848	3,500	26 – 102	48 x 48	62	II	5.0	12.4	14.7	1,690

Razor-Flex Arm Design

- Designed to handle large loads with a thin arm profile
- Larger capacity available



Sideshifting Carton Clamp, 2 Functions

Model Number	Capacity lbs @ 24" LC	Opening Range (in)	Arm Size L x H (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCC-25NS-F3030			30 x 30			6.3	10.2	880
LCC-25NS-F3430	2,500	17.9–67.6	34 x 30	II	5.75	6.3	10.2	905
LCC-25NS-F3048			30 x 48			6.4	10.2	1,160

Lower Mounting Hooks

Model Number	Mounting Class	Angle (°)	Description
ANO	II	0	Bolt-on
AQ0			Quick change

Installation Kits

Model Number	Number of Functions
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	7–9	2,500

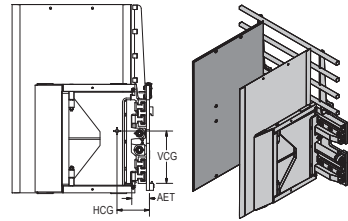
Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
LCC-1D	48	33
LCC-2D	52	37
LCC-3D	62	39
LCC-25	41	35

White Goods Carton Clamp

- Designed for handling one to four unit loads at a time
- Clean, grease-free handling, patented Repair-N-Place serviceability
- Sideshift improves productivity

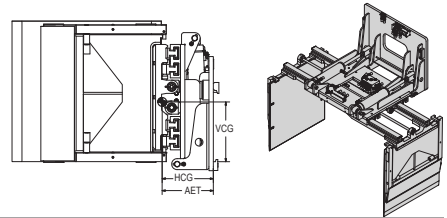


Sideshifting Carton Clamps, 2 Functions

Model Number	Capacity lbs @ 24" LC	Opening Range (in)	Arm Size L x H (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lbs)
LCC-2CNS-B3454	2,500	21.9–83.6	34 x 54	II	5.1	9.3	15.0	1,255

Forward Tipping Clamp

- 90 degree forward upending function
- Clean, grease-free handling, patented Repair-N-Place serviceability
- Sideshift improves productivity



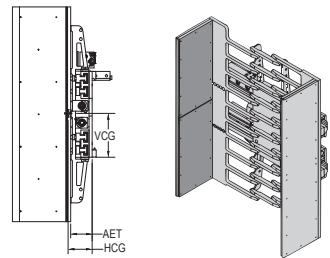
Sideshifting Carton Clamps, 2 Functions

Model Number	Capacity lbs @ 24" LC	Opening Range (in)	Arm Size L x H (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lbs)
LCC-2AUS-B3432	1,750	19–65	34 x 32	II	11.7	11.6	13.6	2,200

Other arm sizes/opening ranges are available. Consult factory.

Mini-Arm Appliance Clamps

- Designed to handle large carton items such as washers, dryers, freezers and furniture



Sideshifting Appliance Clamp, 2 Functions

Model Number	Capacity lbs @ 18" LC	Opening Range (in)	Arm Size L x H (in)	Mtg. Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LCC-25NS-M1540			15 x 40			5.7	17.0	1,150
LCC-25NS-M1560	2,500	24.1–78.9	15 x 60	II	7.0	6.2	27.0	1,270
LCC-25NS-M1572			15 x 72			6.9	33.0	1,340

Optional Equipment — Carton Clamps

Options

Description
Rubber height extensions of arm & backrest
Steel height extensions of arm & backrest
Sight holes in steel extensions
Arms: Less than 48" high
From 36" minimum to 48" high
Less than 36" high
Pad lengths not shown
7" high replaceable pad on bottom of arm
Modified opening ranges

Optional Mounting Equipment

Description
Shaft- or pin-type mounting brackets
ITA dual mounting brackets –
Quick-change: Class II & III

Installation Equipment

Model Number	Item
YL-279	Single setting relief valve, 1800 psi max
2528295	Single setting relief valve, 3600 psi max
YL-354	Three-position relief valve
2520877	Pressure gauge
YSVK-1	Solenoid installation kit, 2 functions ¹
YSVK-2	Solenoid installation kit, 3 functions ²
YHJL-6-D-30 ³	Installation kit - 2 functions
YHJL-8-D-30 ³	Installation kit - 2 functions
Y088122.1	Control knob, 2 function (1 button)
Y088122.2	Control knob, 3 function (2 button)
Y088122.3	Control knob, 4 function (3 button)
2527912	Set of 2 quick disconnect hydraulic couplings ²

¹ Does not include any electrical adaptation for truck.

² Solenoid kit does not include any electrical adaptation for trucks.

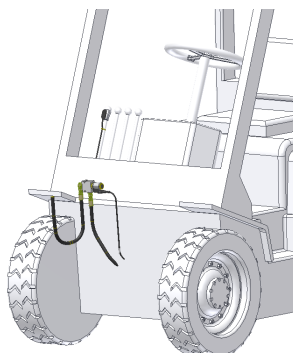
³ Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Clamp Opening Control Kits

- Requires the operator to perform two distinct actions to release the clamping force of an attachment
- Conforms to ANSI/ITSDF B56.1, Section 7.25.7 requirements
- May be easily retrofitted onto existing installations

Clamp Opening Control Kits

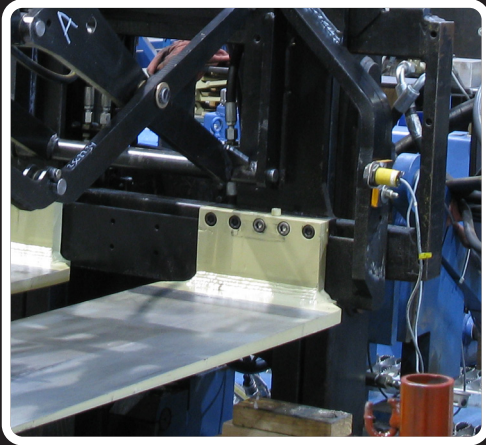
Part Number	Description
2520519	Kit for 12V lift trucks
2520520	Kit for 24V lift trucks
2520521	Kit for 36V lift trucks
2520522	Kit for 48V lift trucks



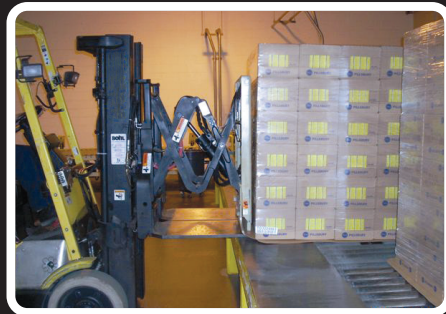
Push/Pulls & Load Push



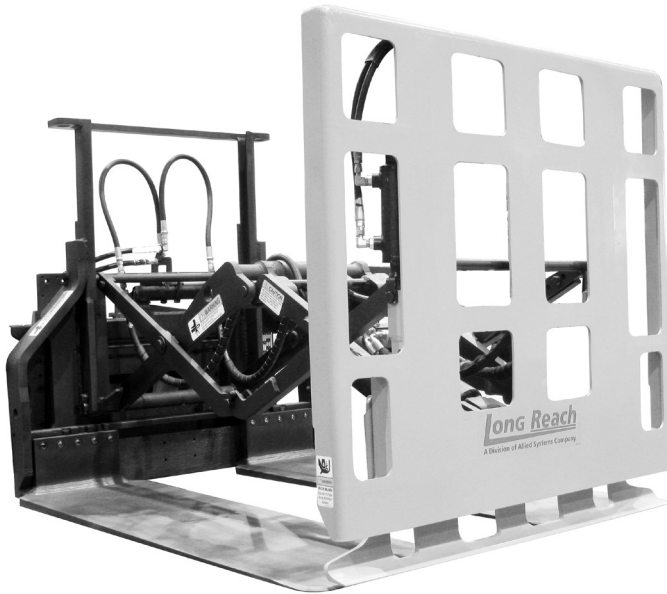
Long Reach push/pull and load push attachments give valuable versatility in warehouse and distribution operations with many designs to suit your application.



**Long Reach Bolt On
Platen Design**



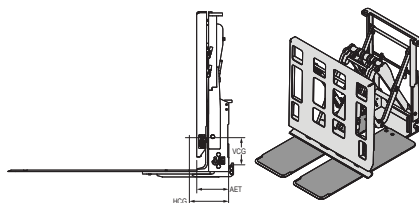
Push/Pull & Load Push



- ◆ Reliable, rugged welded steel pantograph push/pull mechanism with no lubrication required
- ◆ Single cylinder design for low maintenance and simple service
- ◆ Easy platen adjustment
- ◆ Hardened steel rollers and lube-free bushings on push plate and rear frame
- ◆ Push plate field adjustable to 0 or 4 degree angle
- ◆ Easy Class II/III mounting conversion
- ◆ Bolt-on options provide excellent flexibility
- ◆ Options include sideshifting, many platen sizes, hydraulically positionable platens and more

PLFB/LPFB Fork-Mounted Push/Pull & Load Push Models

- Easily mounts to truck forks
- Rugged welded steel design
- Linkage mechanism requires no lubrication



Fork-Mounted Push/Pull, 1 Function

Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
PLFB-36NMPA840	3,600	18 x 40	40 or 46	II/III	8.2	10.1	12.2	850
PLFB-36NMPA548		15 x 48	34 or 40			10.8	12.2	850
PLFB-36NMPA848		18 x 48	40 or 46			11.6	11.7	885
PLFB-48NMPB840	4,800	18 x 40	40 or 46	II/III	8.2	10.1	12.2	850
PLFB-48NMPB548		15 x 48	34 or 40			10.8	12.2	850
PLFB-48NMPB848		18 x 48	40 or 46			11.6	11.7	885

Fork-Mounted Load Push, 1 Function

LPFB-36NMPA840	3,600	18 x 40	40 or 46	II/III	8.2	10.6	12.8	770
LPFB-36NMPA548		15 x 48	34 or 40			11.3	12.8	770
LPFB-36NMPA848		18 x 48	40 or 46			12.1	12.3	805
LPFB-48NMPB840	4,800	18 x 40	40 or 46	II/III	8.2	10.6	12.8	770
LPFB-48NMPB548		15 x 48	34 or 40			11.3	12.8	770
LPFB-48NMPB848		18 x 48	40 or 46			12.1	12.3	805

⚠ Mounting Requirements

All fork-mounted models must be supported by the forks of lift truck for load handling. Truck fork length of 42" to 48" recommended. Models accept maximum fork thickness of 1.75". When attachment is installed, minimum in-to-in truck fork spacing is 22". Ability to latch fork from 22.0 to 24.0 spacing required.

⚠ Minimum Truck Carriage Width

Minimum carriage width is 22" plus 2 times the truck fork width.

💧 Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	8	10	2,200–3,000
10,000/Class III	8	10	2,200–3,000
12,000–15,000/Class IV	8	10	2,200–3,000

Hydraulic flow less than minimum will reduce operating speed and cause irregular operation. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

⚠ Optional Features

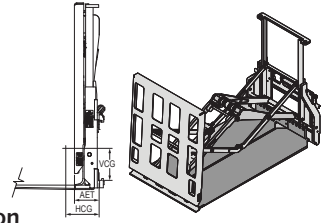
Options
Push plate extensions (standard faceplate is 40" wide x 40" high), height to 48"
Width to 48"
Non-standard platen sizes
Non-standard push plate over platen clearance (load push only) 3" gap standard on load push models
Quick disconnect hydraulic couplings
Sideshift – PLF/LPF mounts on a standard ITA Class II or III shifter. Recommended width of 32" or wider.

⚠ Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

PLPB 36/48 Series Push/Pulls

- Rugged welded steel design
- Easy Class II/III mounting conversion
- Bolt-on options add flexibility
- Linkage mechanism requires no lubrication



Non-Sideshifting with Manually Adjustable Platens, 1 Function

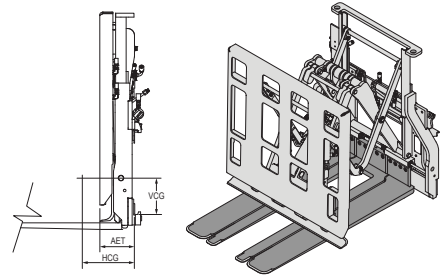
Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)
PLPB-36NMPA548	3,600	15 x 48	34-42	II	6.7	8.3	10.7	1,105
PLPB-36NMPA848		18 x 48	37-45			9.2	10.1	1,155
PLPB-48NMPB548	4,800	15 x 48	34-42	II	6.7	8.6	10.3	1,134
PLPB-48NMPB848		18 x 48	37-45			9.5	9.8	1,190
PLPB-48NMPB548		15 x 48	34-42	III		8.6	10.3	1,155
PLPB-48NMPB848		18 x 48	37-45			9.5	9.8	1,210

Sideshifting with Manually Adjustable Platens, 2 Functions

PLPB-36SMPA548	3,600	15 x 48	34-42	II	6.7	8.3	10.7	1,115
PLPB-36SMPA848		18 x 48	37-45			9.2	10.1	1,165
PLPB-48SMPB548	4,800	15 x 48	34-42	II	6.7	8.6	10.3	1,145
PLPB-48SMPB848		18 x 48	37-45			9.5	9.8	1,200
PLPB-48SMPB548		15 x 48	34-42	III		8.6	10.3	1,165
PLPB-48SMPB848		18 x 48	37-45			9.5	9.8	1,220

Mark 55 Series Push/Pulls

- Handles Chop Mark 55 4-way pallets
- Handles standard Chop, GMA, Europallets, and many others
- Handles slipsheeted loads
- Hydraulically positioned outer platens, fixed inner platens
- ITA Class II or III mounting - easily convertible



Model Number	Capacity lb @ 24"	Platen Size, Inner W x L (in)	Platen Size, Outer W x L (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)
PLHB-36SFC748	3,600	3 x 48	7 x 48	II	6.7	7.5	11.2	1,115
PLHB-48SFC748	4,800	3 x 48	7 x 48	III	6.7	7.5	10.8	1,145

Note: Requires two (2) auxiliary truck functions. Circuit selector valve included on units as standard. Circuit selector requires electrical power. See Section J Accessories for power cord options.

Recommended Hydraulic Supply

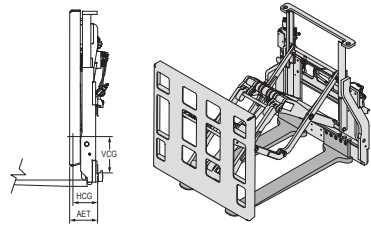
See page G-4.

Minimum Truck Carriage Width

See page G-4.

LPB 36/48 Series Load Push

- Rugged welded steel design
- Easy Class II/III mounting conversion
- Bolt-on options add flexibility
- Linkage mechanism requires no lubrication



Non-Sideshifting Load Push, 1 Function

Model Number	Capacity lb @ 24"	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in.)	HCG (in)	VCG (in)	Weight (lb)	
LPB-36NFNON48	3,600	N/A	N/A	II	7.1	4.6	20.9	515	
LPB-36NMPA548		15 x 48	34-42		6.7	8.6	11.0	1,020	
LPB-36NMPA848		18 x 48	37-45			9.5	10.4	1,070	
LPB-48NFNON48	4,800	N/A	N/A	III	7.1	4.6	20.9	515	
LPB-48NMPB548		15 x 48	34-42	II	6.7	8.9	10.6	1,050	
LPB-48NMPB848		18 x 48	37-45			9.9	10.0	1,110	
LPB-48NMPB548		15 x 48	34-42	III		8.9	10.6	1,070	
LPB-48NMPB848		18 x 48	37-45			9.9	10.0	1,130	

Sideshifting Load Push, 2 Functions

LPB-36SMPA548	3,600	15 x 48	34-42	II	6.7	8.6	11.0	1,030	
LPB-36SMPA848		18 x 48	37-45			9.5	10.4	1,080	
LPB-48SMPB548	4,800	15 x 48	34-42	II	6.7	8.9	10.6	1,060	
LPB-48SMPB848		18 x 48	37-45			9.9	10.0	1,120	
LPB-48SMPB548		15 x 48	34-42	III		8.9	10.6	1,080	
LPB-48SMPB848		18 x 48	37-45			9.9	10.0	1,140	

Optional Mounting Hooks

Model Number	Class	Description
All Models	II	Quick change
All Models	III	Quick change

For mounting other than shown, consult factory.

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Recommended Hydraulic Supply

Model Number	Min	Max	Rec – Max psi
5,500/Class II	8	10	2,200–3,000
10,000/Class III	8	10	2,200–3,000

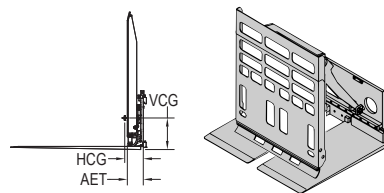
Hydraulic flow less than minimum will reduce operating speed and cause irregular operation. Higher flows may result in heat build up, erratic operation and damage to the unit. Consult factory for recommended flow control valve and available tank line kits.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
PLPB/PLHB/LPB	40

PLP 500/60/62/80 Series Push/Pulls

- Designed for reliability and performance
- Constant push plate alignment
- High visibility design
- Fully tapered and polished platens



PLP 500/62/80 Push/Pulls, Non-Sideshifting, 1 Function

Model Number	Capacity lb @ 24"	Push Stroke (in)	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
PLP500FFP7A	5,000	50	15 x 48	34	II	7.9	7.9	12.1	1,535
PLP500FFP3A			18 x 48	40			8.5	11.8	1,605
PLP500FFP11B			15 x 48	34			8.4	16.6	1,675
PLP500FFP4B	5,000	50	18 x 48	40	III	8.1	9.0	16.3	1,760
PLP60FFP19B			15 x 48	34			8.4	16.7	1,725
PLP60FFP2B			18 x 48	40			9.0	16.4	1,825
PLP62RFP20A	5,000	62 ¹	15 x 60	34	II	7.9	9.1	13.9	2,105
PLP62RFP11A			18 x 60	40			9.8	13.6	2,205
PLP80RFP20B			15 x 60	34			9.4	14	2,155
PLP80RFP11B	6,000	62 ¹	18 x 60	40	III	8.1	10.0	13.7	2,255
PLP80LSRFP21B			15 x 70	34			12.2	14.4	2,475
PLP80LSRFP22B			18 x 70	40			12.8	14.1	2,600

PLPS 500/62/80 Push/Pulls, Sideshifting, 2 Functions

PLPS500FFP7A	5,000	50	15 x 48	34	II	7.9	7.7	12.2	1,580
PLPS500FFP3A			18 x 48	40			8.4	11.9	1,655
PLPS500FFP11B			15 x 48	34			8.2	12	1,710
PLPS500FFP4B	5,000	50	18 x 48	40	III	8.1	8.9	11.7	1,795
PLPS60FFP19B			15 x 48	34			8.2	16.5	1,750
PLPS60FFP2B			18 x 48	40			8.9	16.2	1,850
PLPS62RFP20A	5,000	62 ¹	15 x 60	34	II	7.9	9.2	14	2,130
PLPS62RFP11A			18 x 60	40			9.8	13.7	2,230
PLPS80RFP20B			15 x 60	34			9.4	14.1	2,205
PLPS80RFP11B	6,000	62 ¹	18 x 60	40	III	8.1	10.0	13.8	2,305
PLPS80LSRFP2B			15 x 70	34			12.2	14.2	2,475
PLPS80LSRFP22B			18 x 70	40			12.5	13.9	2,650

¹ Non-tilting push plate standard.



Lower Mounting Hooks

Style	Class	Description
Non-sideshifting	II	Bolt-on
		Quick change
	III	Bolt-on
		Quick change
Sideshifting	II	Bolt-on
		Quick change ²
	III	Bolt-on
		Quick change

² Includes sub-carriage.



Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	9-12	2,250

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

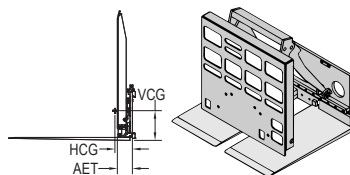


Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
PLP500/PLPS500/PLP60/ PLPS60/PLP62/PLPS62	32/39
PLP80/PLPS80	37/39

LP 500/60/62/80 Series Load Push

- Designed for reliability and performance
- Constant push plate alignment
- High operator visibility
- All models include platens and rigid push plate



LP Series Load Push, Non-Sideshifting, 1 Function

Model Number	Capacity lb @ 24"	Push Stroke (in)	Platen Size, W x L (in)	Platen Out-to-Out (in)	Mounting Class	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
LP50RFP7A	5,000	50	15 x 48	34	II	7.9	7.7	11.9	1,430
LP50RFP3A			18 x 48	40			8.3	11.6	1,500
LP50RFP11B	5,000	50	15 x 48	34	III	8.1	8.2	11.8	1,570
LP50RFP4B			18 x 48	40			8.9	11.5	1,655
LP60RFP19B	6,000	50	15 x 48	34	III	8.1	8.2	11.8	1,650
LP60RFP2B			18 x 48	40			8.9	11.5	1,750
LP14C	14,000	50	Consult factory for specifications and price						
LP62RFP20A	5,000	62	15 x 60	34	II	7.9	9.0	13.7	2,000
LP62RFP11A			18 x 60	40			9.6	13.4	2,100
LP80RFP20B	6,000	62	15 x 60	34	III	8.1	9.2	13.8	2,050
LP80RFP11B			18 x 60	40			9.9	13.5	2,150
LP80LSRFP2B	6,000	72	15 x 70	34	III	8.1	12.0	14.6	2,425
LP80LSRFP22B			18 x 70	40			12.3	14.2	2,550

LP Series Load Push, Sideshifting, 2 Functions

LPS50RFP7A	5,000	50	15 x 48	34	II	7.9	7.5	11.9	1,480
LPS50RFP3A			18 x 48	40			8.1	11.7	1,550
LPS50RFP11B	5,000	50	15 x 48	34	III	8.1	8.2	11.8	1,595
LPS50RFP4B			18 x 48	40			8.8	11.4	1,680
LPS60RFP19B	6,000	50	15 x 48	34	III	8.1	8.2	11.8	1,700
LPS60RFP2B			18 x 48	40			8.9	11.5	1,800
LPS14C	14,000	50	Consult factory for specifications and price						
LPS62RFP20A	5,000	62	15 x 60	34	II	7.9	9.0	13.8	2,050
LPS62RFP11A			18 x 60	40			9.6	13.5	2,150
LPS80RFP20B	6,000	62	15 x 60	34	III	8.1	9.2	13.9	2,100
LPS80RFP11B			18 x 60	40			9.9	13.6	2,200
LPS80LSRFP21B	6,000	72	15 x 70	34	III	8.1	12.0	14.6	2,475
LPS80LSRFP22B			18 x 70	40			12.3	14.2	2,600

Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All models	9-12	2,250

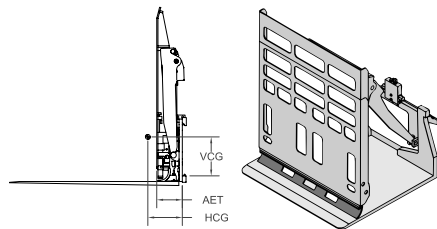
Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
LP500/LPS500	32/39
LP14/LPS14	Consult Factory
LP62/LPS62	32/39
LP80/LPS80	37/39



- Designed for breweries, distribution centers and distributors
- Supplying quality Coors™ push/pulls for over two decades
- All models feature solid platen for full support of load



Distributor Units: Non-Sideshifting, 1 Function

Model Number	Capacity lb @ 24"	Mounting Class	Push Stroke (in)	Platen Size, W x L (in)	Push Plate W x H (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
PLP-45NN-SC146-CD1	4,500	II	48	40 x 46 solid	40 x 50	6.8	8.5	9.6	1,295
PLP-45NN-SC146-CD2		II	48		40 x 50 ²	7.5	7.8	9.6	1,465
PLP-50NN-SC146-CD3		II	48 ¹		40 x 50	7.8	8.3	10.4	1,550
PLP-50NN-SC146-CD4		II	48 ¹		40 x 50 ²	7.8	8.2	10.4	1,625

¹ 48" push stroke with manual stops at 41".

² Hinged torsion-style push plate: Facilitates loading into delivery truck bays.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
PLP-45	7–8	2,200
PLP-50	9–12	2,300

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

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
All PLP 35/45 Models	27
PLP500/PLPS500	32/39
PLP62/PLPS62	32/39
PLP80/PLPS80	37/39
LP500/LPS500	32/39
LP62/LPS62	32/39
LP80/LPS80	37/39

Optional Mounting Hooks

Model Number	Class	Description
PLP-45	II	Quick Change
PLP-50	II	Quick Change
PLP-45	III	Bolt-On
	III	Quick Change
PLP-50	III	Bolt-On
	III	Quick Change

Installation Kits

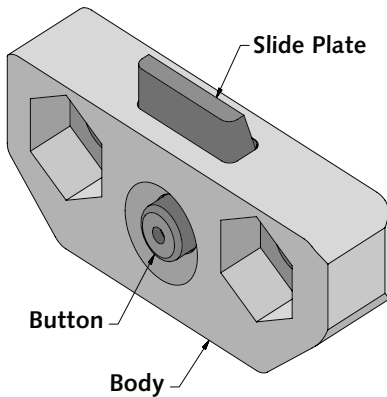
Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-6-D-30	2
YHJL-8-D-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

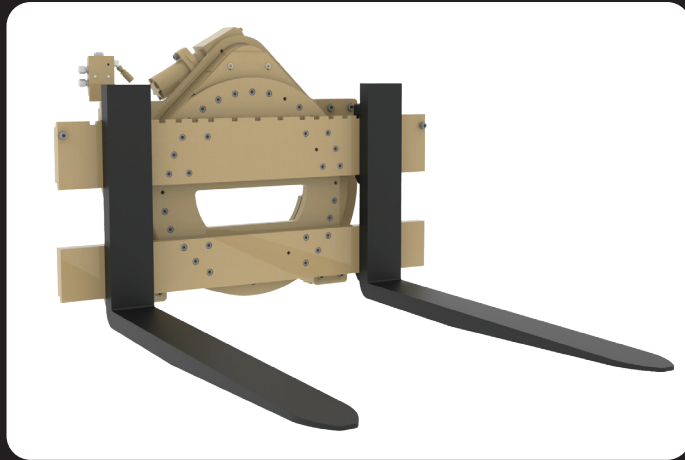
Quick Hooks

The Long Reach quick hook was designed to further increase installation speed. Our quick hooks are unlike any other lower hook design and allow you to remove and install the lower part of your forklift attachment without needing to fasten or loosen any bolts. Quick hook options are available for in all four mounting classes and can be equipped on most attachments.

↑
**Raise Slide to secure
attachment to truck.**



↓
**Push button to
lower Slide.**



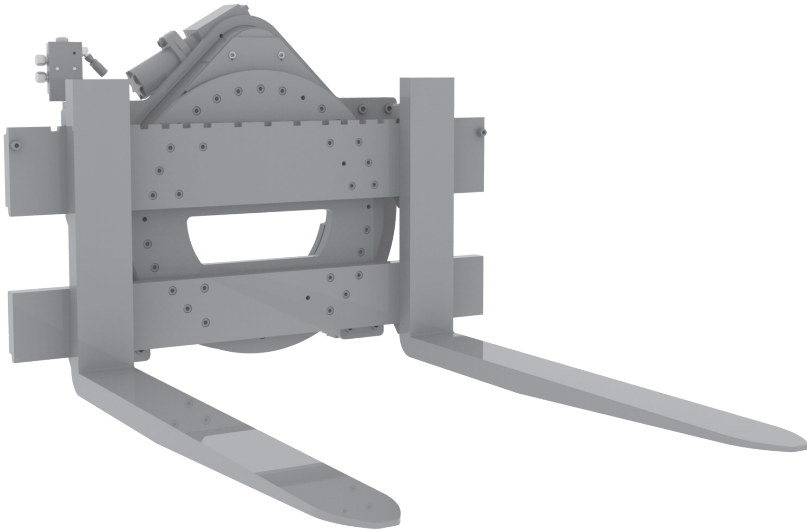
**Handle a wide variety of loads
with a robust Long Reach drive
motor and reliable ring gears.**



**Widest range of
models available
with capacities
ranging from
3,500 lbs. to
46,000 lbs.**



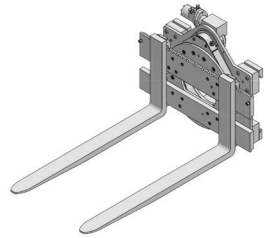
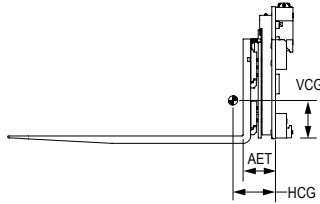
CR Series Rotators



- ♦ Widest range of models available, with capacities ranging from 3,500 lbs. to 46,000 lbs.
- ♦ Numerous fork sizes available
- ♦ “Bolt-together” design provides interchangeability of major components—carriage bars can be replaced by unbolting one set and bolting on another, and mounting bracket angle can be easily converted from 0° to 4°
- ♦ Strongest, most reliable rotator available—high-strength ball bearing ring gear, as well as ring and pinion gears with heat-treated teeth, provide maximum resistance to wear and fatigue experienced in high-impact, shock-loading applications

CRA Series Rotators

- Rotator mounting: Class II
- Fork bar mounting: Class II
- Rotation time: 9 seconds
- Rotation centerline: 12" from bottom of forks
- Delivered torque: 32,000 in. lb @ 2,000 psi



3,500-lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRA-3532	32	Without	0	7.06	3.6	10.2	580
CRA-3537	37	Forks		7.06	3.7	10.1	600
CRA-3532-FB430	32	1.5 x 4 x 30	0	8.60	5.8	8.7	745
CRA-3532-FB436		1.5 x 4 x 36		8.60	6.5	8.4	765
CRA-3532-FB442		1.5 x 4 x 42		8.60	7.4	8.1	790
CRA-3532-FB448		1.5 x 4 x 48		8.60	8.5	7.8	810
CRA-3537-FB430	37	1.5 x 4 x 30	0	8.60	5.8	8.6	765
CRA-3537-FB436		1.5 x 4 x 36		8.60	6.5	8.4	785
CRA-3537-FB442		1.5 x 4 x 42		8.60	7.4	8.1	805
CRA-3537-FB448		1.5 x 4 x 48		8.60	8.5	7.8	820

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class II.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRA-35	29

! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/Attachment (lb)
3,000	CRA-35	2,245
3,500		2,660
4,000		3,100

Net truck capacities are approximations only for rotator with 32" fork bars and 42" forks installed at 0° on two-stage mast. Actual net truck capacities are available from the lift truck manufacturer only.

✕ Optional Equipment & Information

See Page H-9.

🔒 Lower Mounting Hooks

Model Number	Mounting Class	Angle (°)	Description
ANO	II	0	Bolt-on
AQO			Quick change

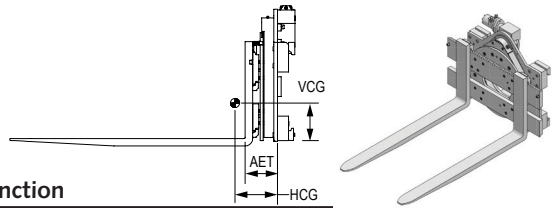
💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRA-35	12	2,000

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

CRA Series Rotators

- Rotator mounting: Class II
- Fork bar mounting: Class II
- Rotation time: 9 seconds
- Rotation centerline: 12" from bottom of forks
- Delivered torque: 32,000 in. lb @ 2,000 psi



4,500-lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRA-4532	32	Without Forks	0	7.06	3.6	10.2	585
CRA-4537	37			7.06	3.7	10.1	605
CRA-4542	42			7.06	3.7	10.2	625
CRA-4545	45			7.06	3.8	10.1	640
CRA-4548	48			7.31	4.0	10.0	690
CRA-4532-FB530	32	1.5 x 5 x 30	0	8.60	6.2	8.5	790
CRA-4532-FB536		1.5 x 5 x 36			7.0	8.1	815
CRA-4532-FB542		1.5 x 5 x 42			8.1	7.8	840
CRA-4532-FB548		1.5 x 5 x 48			8.8	7.6	855
CRA-4537-FB530	37	1.5 x 5 x 30	0	8.60	6.2	8.4	810
CRA-4537-FB536		1.5 x 5 x 36			7.0	8.1	835
CRA-4537-FB542		1.5 x 5 x 42			8.0	7.8	860
CRA-4537-FB548		1.5 x 5 x 48			8.8	7.6	875
CRA-4542-FB530	42	1.5 x 5 x 30	0	8.60	6.2	8.4	830
CRA-4542-FB536		1.5 x 5 x 36			7.0	8.1	855
CRA-4542-FB542		1.5 x 5 x 42			8.0	7.8	880
CRA-4542-FB548		1.5 x 5 x 48			8.7	7.6	895
CRA-4545-FB530	45	1.5 x 5 x 30	0	8.60	6.2	8.5	840
CRA-4545-FB536		1.5 x 5 x 36			7.0	8.1	865
CRA-4545-FB542		1.5 x 5 x 42			8.0	7.8	890
CRA-4545-FB548		1.5 x 5 x 48			8.7	7.7	910
CRA-4548-FB530	48	1.5 x 5 x 30	0	8.81	6.3	8.4	890
CRA-4548-FB536		1.5 x 5 x 36			7.1	8.1	915
CRA-4548-FB542		1.5 x 5 x 42			8.0	7.9	940
CRA-4548-FB548		1.5 x 5 x 48			8.7	7.7	960

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class II.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRA-45	29

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRA-45	12	2,000

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

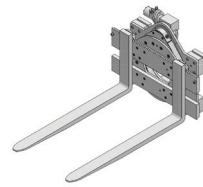
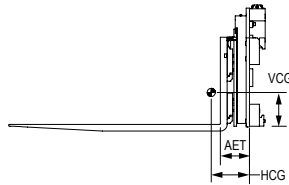
! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/Attachment (lb)
3,000	CRA-45	2,210
3,500		2,650
4,000		3,085
4,500		3,515
5,000		3,950
5,500		4,500

Capacities are approximations only, for rotator with 32" fork bars and 42" forks installed at 0° on two-stage mast. Actual capacities are available only from the lift truck manufacturer.

CRA Series Rotators

- Rotator mounting: Class III
- Fork bar mounting: Class II
- Rotation time: 11 seconds
- Rotation centerline: 14.5" from bottom of forks
- Delivered torque: 40,000 in. lb @ 2,000 psi
- High torque option available



5,500-lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRA-5537	37	Without Forks	0	7.5	4.1	12.0	696
CRA-5542	42			7.5	4.2		717
CRA-5545	45			7.5	4.4		730
CRA-5548	48			7.8	4.6		776
CRA-5537-FC536	37	1.75 x 5 x 36	0	9.3	6.8	10.8	1,017
CRA-5537-FC542		1.75 x 5 x 42			7.7	10.2	1,047
CRA-5537-FC548		1.75 x 5 x 48			8.7	9.6	1,077
CRA-5537-FC554		1.75 x 5 x 54			9.6	9.0	1,107
CRA-5542-FC536	42	1.75 x 5 x 36	0	9.3	6.8	10.8	1,038
CRA-5542-FC542		1.75 x 5 x 42			7.7	10.2	1,068
CRA-5542-FC548		1.75 x 5 x 48			8.7	9.6	1,098
CRA-5542-FC554		1.75 x 5 x 54			9.6	9.0	1,128
CRA-5545-FC536	45	1.75 x 5 x 36	0	9.3	6.8	10.8	1,051
CRA-5545-FC542		1.75 x 5 x 42			7.7	10.2	1,081
CRA-5545-FC548		1.75 x 5 x 48			8.7	9.6	1,101
CRA-5545-FC554		1.75 x 5 x 54			9.6	9.0	1,131
CRA-5548-FC536	48	1.75 x 5 x 36	0	9.6	6.9	10.8	1,097
CRA-5548-FC542		1.75 x 5 x 42			7.8	10.2	1,127
CRA-5548-FC548		1.75 x 5 x 48			8.8	9.6	1,157
CRA-5548-FC554		1.75 x 5 x 54			9.7	9.0	1,187

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class IV.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRA-55	33

! Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRA-55	12	2,000

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

! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/attachment (lb)
6,000	CRA-55	4,610
7,000		5,500

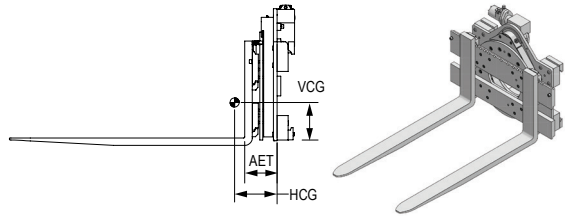
Capacities are approximations only, for rotator with 37" fork bars and 42" forks installed at 0° on two-stage mast. Actual capacities are available only from the lift truck manufacturer.

✕ Optional Equipment & Information

See Page H-9.

CRB Series Rotators

- Rotator mounting: Class III
- Fork bar mounting: Class III
- Rotation time: 11 seconds
- Rotation centerline: 14.5" from bottom of forks
- Delivered torque: 40,000 in. lb @ 2,000 psi
- High torque option available



6,500-lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRB-6537	37	Without forks	0	7.5	3.8	12.1	773
CRB-6542	42			7.5	4.1		785
CRB-6545	45			7.5	4.3		792
CRB-6548	48			7.8	4.5		809
CRB-6537-FD536	37	2 x 5 x 36	0	9.5	6.9	10.8	1,063
CRB-6537-FD542		2 x 5 x 42			7.7	10.2	1,097
CRB-6537-FD548		2 x 5 x 48			8.2	9.4	1,131
CRB-6537-FD554		2 x 5 x 54			8.8	9.0	1,165
CRB-6542-FD536	42	2 x 5 x 36	0	9.5	6.9	10.8	1,091
CRB-6542-FD542		2 x 5 x 42			7.6	10.2	1,125
CRB-6542-FD548		2 x 5 x 48			8.2	9.4	1,159
CRB-6542-FD554		2 x 5 x 54			8.8	9.0	1,193
CRB-6545-FD536	45	2 x 5 x 36	0	9.5	6.9	10.8	1,108
CRB-6545-FD542		2 x 5 x 42			7.6	10.2	1,142
CRB-6545-FD548		2 x 5 x 48			8.2	9.4	1,176
CRB-6545-FD554		2 x 5 x 54			8.8	9.0	1,210
CRB-6548-FD536	48	2 x 5 x 36	0	9.5	7.0	10.8	1,125
CRB-6548-FD542		2 x 5 x 42			8.0	10.2	1,159
CRB-6548-FD548		2 x 5 x 48			9.0	9.6	1,193
CRB-6548-FD554		2 x 5 x 54			10.0	9.0	1,227

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class II.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRB-65	33
CRB-90	39

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRB-65	12	2,000

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

! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/ Attachment (lb)
6,000	CRB-65	4,550
7,000		5,450
8,000		6,300
9,000		6,500

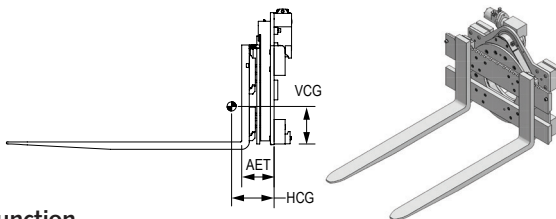
Capacities are approximations only, for rotator with 37" fork bars and 42" forks installed at 0° on two-stage mast. Actual capacities are available only from the lift truck manufacturer.

✂ Optional Equipment & Information

See Page H-9.

CRB Series Rotators

- Rotator mounting: Class III or IV
- Fork bar mounting: Class III
- Rotation time: 13 seconds
- Rotation centerline: 14.5" from bottom of forks
- Delivered torque: 50,000 in. lb @ 2,000 psi
- High torque, dual-drive option available



9,000-lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Class	Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)	
CRB-9042	42	Without forks	III	0	7.95	4.1	12.9	898	
			IV		9.75	4.2	12.9	1,018	
CRB-9048	48	Without forks	III	0	7.95	4.1	12.9	932	
			IV		9.75	4.2	12.9	1,052	
CRB-9060	60	Without forks	III	0	7.95	4.5	12.9	1,000	
			IV		9.75	4.3	12.9	1,120	
CRB-9042-FD642	42	2 x 6 x 42	III	0	9.95	8.5	9.4	1,310	
IV			11.75		8.6	1,430			
CRB-9042-FD648		2 x 6 x 48	III	0	9.95	9.4	9.4	1,351	
IV			11.75		9.5	1,471			
CRB-9042-FD654		2 x 6 x 54	III	0	9.95	10.6	9.3	1,392	
IV			11.75		10.7	1,512			
CRB-9042-FD660		2 x 6 x 60	III	0	9.95	11.9	9.3	1,433	
IV			11.75		12.0	1,553			
CRB-9048-FD642		48	2 x 6 x 42	III	0	9.95	8.4	9.4	1,344
IV				11.75		8.5	1,464		
CRB-9048-FD648	2 x 6 x 48		III	0	9.95	9.4	9.4	1,385	
IV			11.75		9.5	1,505			
CRB-9048-FD654	2 x 6 x 54		III	0	9.95	10.5	9.3	1,426	
IV			11.75		10.6	1,546			
CRB-9048-FD660	2 x 6 x 60		III	0	9.95	11.9	9.3	1,467	
IV			11.75		12.0	1,587			
CRB-9060-FD642	60		2 x 6 x 42	III	0	9.95	8.3	9.4	1,412
IV				11.75		8.4	1,532		
CRB-9060-FD648		2 x 6 x 48	III	0	9.95	9.4	9.4	1,453	
IV			11.75		9.5	1,573			
CRB-9060-FD654		2 x 6 x 54	III	0	9.95	10.5	9.3	1,494	
IV			11.75		10.6	1,614			
CRB-9060-FD660		2 x 6 x 60	III	0	9.95	12.0	9.3	1,535	
IV			11.75		12.1	1,655			

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class II.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRB-90	12	2,000

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

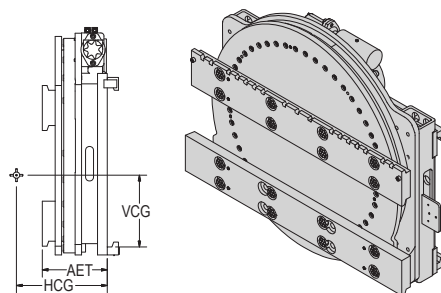
! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/ Attachment (lb)
9,000	CRB-90	6,945
10,000		7,790
11,000		8,610
12,000		9,000

Capacities are approximations only, for rotator with 42" fork bars and 48" forks installed at 0° on two-stage mast. Actual capacities are available only from the lift truck manufacturer.

CRC Series Rotators

- Rotator mounting: Class IV
- Fork bar mounting: Class IV
- Rotation time: 14 seconds
- Rotation centerline: 20.5" from bottom of forks
- Delivered torque: 125,000 in. lb @ 2,000 psi



12,500 lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRC-1249	49	Without forks	0	9.75	6.0		1,477
CRC-1261	61			9.75	6.1	15.5	1,555
CRC-1273	73			9.75	6.2		1,633
CRC-1249-FF648		2.5 x 6 x 48	0		9.5	12.1	2,086
CRC-1249-FF660	49	2.5 x 6 x 60		12.25	11.9	11.5	2,188
CRC-1249-FF672		2.5 x 6 x 72			13.0	11.0	2,239
CRC-1261-FF648		2.5 x 6 x 48	0		9.6	12.1	2,164
CRC-1261-FF660	61	2.5 x 6 x 60		12.25	11.8	11.5	2,266
CRC-1261-FF672		2.5 x 6 x 72			12.9	11.0	2,317
CRC-1273-FF648		2.5 x 6 x 48	0		9.4	12.1	2,242
CRC-1273-FF660	73	2.5 x 6 x 60		12.25	11.8	11.5	2,344
CRC-1273-FF672		2.5 x 6 x 72			12.9	11.0	2,395

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class II.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

! Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRC-12	39

💧 Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRC-12	24	2,000

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

! Approximate Net Truck Capacities

Truck Capacity (lb)	Rotator Model	Approx. Net Truck Capacity w/ attachment (lb)
12,000	CRC-12	8,625
13,500		9,895
14,000		10,300
15,000		11,110
15,500		11,500

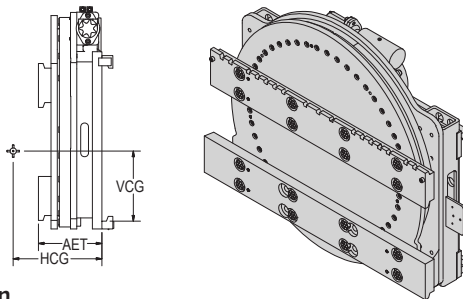
Capacities are approximations only, for rotator with 48" fork bars and 48" forks installed at 0° on two-stage mast. Actual capacities are available only from the lift truck manufacturer.

✕ Optional Equipment & Information

See Page H-9.

CRC Series Rotators

- Rotator mounting: Class IV
- Fork bar mounting: Class IV
- Rotation time: 14 seconds
- Rotation centerline: 23" from bottom of forks
- Delivered torque: 110,000 in. lb @ 2,000 psi



16,000 lb Capacity @ 24" Load Center, 1 Function

Model Number	Fork Bar Width (in) ¹	Fork Size, T x W x L (in)	Mounting Angle (°)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
CRC-1649	49	Without forks	0	9.75	5.1	18.5	1,730
CRC-1661	61			9.75	5.3		1,820
CRC-1673	73			9.75	5.5		1,910

¹ Maximum fork spacing is less than fork bar width. Consult factory for maximum spacing.

Note: If truck's forks are to be on rotators with fork bars only, a third mounting clip must be added to ITA truck forks. Clips are included for ITA Class IV.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

CRD Series Rotators

- Ideal for mining, forging, steel and other heavy industry

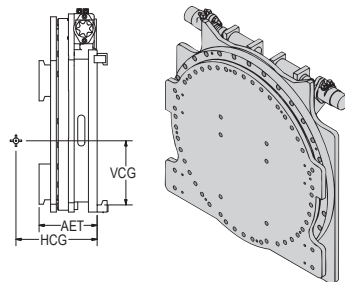
20,000- to 46,000-lb Capacities, 1 Function

Model Number	Capacity @ L.C. (lb)	No. of Independent Drive Assemblies
CRD-20NB	20,000 @ 24"	2
CRD-30NB	30,000 @ 48"	3
CRD-40NB	46,000 @ 48"	4

¹ Price includes pin mounting. Integral mounting available, consult factory.

Consult factory for specifications on these models.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.



Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRC-16/CRD-20	24	2,000
CRD-30/40	40	2,250

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

Optional Equipment & Information

See Page H-9.

Minimum Truck Carriage Width

Model Number	Minimum Truck Carriage Width (in)
CRC-16	45
CRD-20/30/40	Consult factory

CR Series – Optional Equipment



Optional Features

Options

Fork modifications: (sizes not shown)

Full bottom taper (per pair)

Hard surface tips (per pair)

Fork bar modifications: (widths not shown)

Fork mounting clips:

(When truck forks are to be used on rotators with fork bars only, a third mounting clip must be added to ITA truck forks.)

For ITA Class II, III or IV

Restricted Rotation: 90° – 180° – 270°

Mounting options: integral or pin-type (see Section J)

ITA dual mounting: standard bolt-on

Class II & III

Class III & IV

Sideshift/rotation lockout kit



Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
CRA-35 through CRC-11	12	2,000
CRC-12 through CRD-20	24	2,000
CRD-30/40	Consult Factory	

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



Installation Kits

Model Number	Number of Functions
YHJL-6-S-30	1
YHJL-8-S-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.



Lower Mounting Hooks

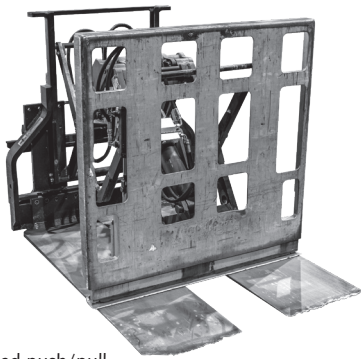
Model Number	Class	Mounting Angle (°)	Description
AN0	II	0	Bolt-on
AQ0		0	Quick change
BN0	III	0	Bolt-on
BQ0		0	Quick change
CN0	IV	0	Bolt-on
CQ0		0	Quick change

Remanufactured Attachments

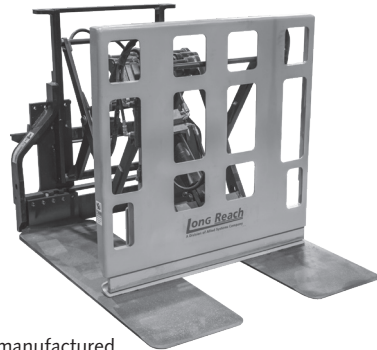
We remanufacture Long Reach attachments to the original factory specifications. This means you get like-new performance and durability at up to 60% off the price of a new attachment. Each attachment is factory tested and meets the same quality requirements as our new attachments.

When you choose Long Reach remanufactured attachments, you can expect shorter lead times, lower cost, and like-new performance and durability. Call today to see what we have in stock.

Looking to trade up? Your used Long Reach attachments may qualify for our buy-back program. Some models may not qualify for buy-back; contact Long Reach to learn more.



Used push/pull,
before remanufacturing



Remanufactured
push/pull, now available



A Division of Allied Systems Company

Custom Attachments



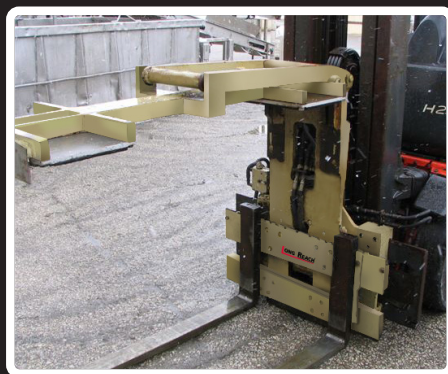
Clamp, rotate and side-shift loads even in the harshest environments, with custom attachments from Long Reach.



Forging Clamps

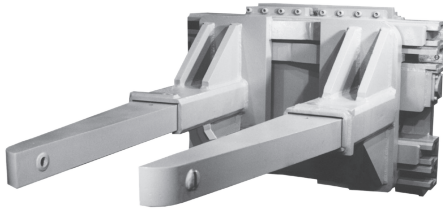


Billet Handler



Pickle Handler

Custom Attachments



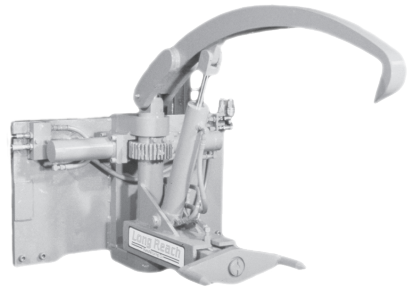
SQ Forging Clamps



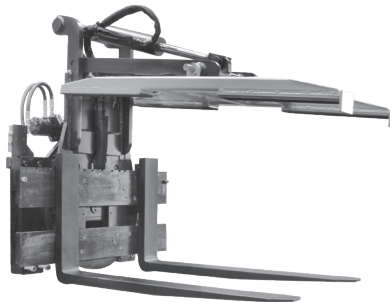
Pipe & Pole Hold Down Carriage



NPR-CP Concrete Pipe Clamp



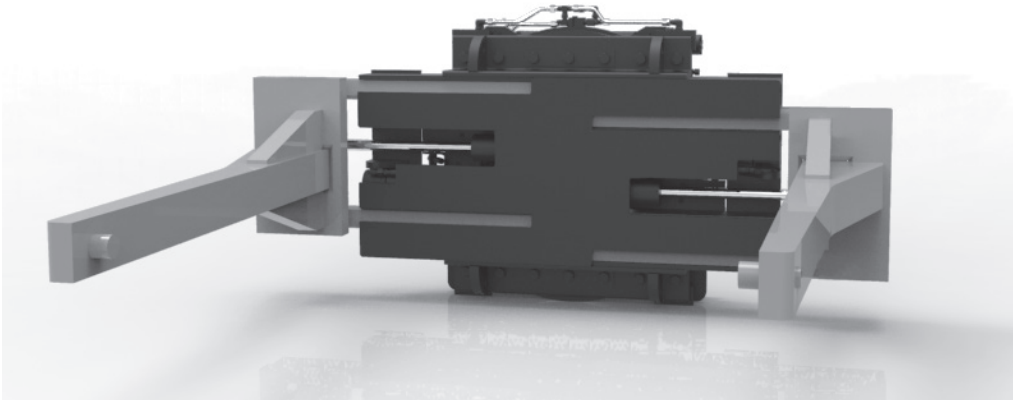
Perry Hook



Rotating Hold Down

Other Models Available: Fork Frames • False Carriages • SQ-CP Concrete
• Pipe Clamps Load Stabilizers • And More

SQ Series Forging Clamps



- ♦ Special hydraulic packing and seals withstand the high temperatures and stress caused by handling materials in and out of the furnace
- ♦ Includes features built to withstand severe applications such as a shock absorbing accumulator to protect the hydraulic system and rugged multiple rotator drives for handling higher capacities
- ♦ Includes three different functions: clamping, sideshifting and 360° rotation
- ♦ Minimum lost load center
- ♦ Can be designed to fit any lift truck
- ♦ Wide range of optional features includes slip-on pads, modified opening ranges, special arm lengths, motor protection plates, steel hydraulic lines and non-rotating feature

See page I-6

NPR-CP Concrete Pipe Clamp



- ♦ 360° continuous rotation
- ♦ Rugged construction with rubber-covered swivel pads and a choice of short or folding arm design
- ♦ Handles concrete pipes with diameters of over 130 inches
- ♦ Transports and turns pipes
- ♦ Minimum lost load center with slim line design allows greater net lift truck capacity

See page I-7

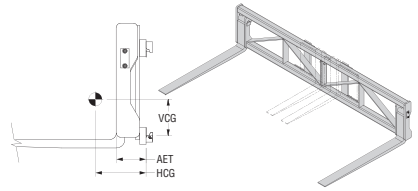
Rotating Hold Down



- ◆ Ideal for dumping high-volume bins of loose products such as apples, potatoes, scrap and machine parts
- ◆ Slim-profile hold down platen securely grips bin to prevent load shift during rotation
- ◆ Articulated hold down compensates for uneven boards and rises to true vertical position to allow for normal load handling
- ◆ Continuous 360° rotation in either direction
- ◆ Heavy-duty cylinders use high-pressure single lip seals for positive sealing and long life
- ◆ Chrome-plated cylinder rods reduce wear and extend component life
- ◆ Low-friction pivot bushings on hold down allow for smooth action
- ◆ Contact Long Reach for more information, or to discuss an application-specific design

Fork Frames

- For handling extra-wide loads
- Pin type stabilizer forks fit over existing carriage and forks
- Quick-change mounting
- Different widths available, consult factory



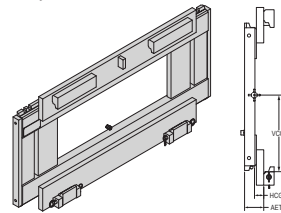
JK Series Fork Frames

Model Number	Capacity ¹ lb @ 24"	Mounting Class	Width (in)	Minimum Truck Carriage Width (in)	Stabilizer Fork Size, T x W x L (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
JKNA055A120	5,500	II	120	37	1.5 x 5 x 48	5.9	8.5	11.5	760
JKNA055A144			144						835
JKNA100B120	10,000	III	120	37	2.0 x 6 x 48	6.2	9.0	12.5	1,025
JKNA100B144			144						1,090
JKNA150C240	15,000	IV	240	48	2.0 x 7 x 48	8.0	9.5	19.5	2,100

¹ Rated capacity is with truck's forks in place. Please supply truck fork size and maximum fork out-to-out on truck carriage. Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

False Carriages

- Enables quick change of forks with other attachments
- Quick-change lower hooks standard
- Can be used to adapt between ITA classes
- Different widths available; consult factory



JF Series False Carriages

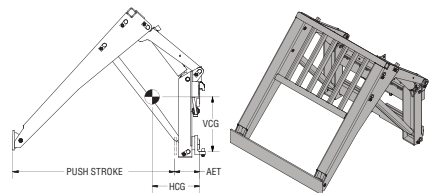
Model Number	Capacity lb @ 24"	Mounting Class	Width (in)	Minimum Truck Carriage Width (in)	Fork Spread (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
JFNA055A037	5,500	II	37	37	0-37	2.0	1.1	11.0	175
JFNA055A060			60		0-60	2.5	1.3		350
JFNA055A072			72		0-72	2.5	1.4		475
JFNA055A084			84		0-84	2.5	1.5		665
JFNA090B042			42		0-42	2.5	1.3		280
JFNA090B060	9,000	III	60	37	0-60	3.0	1.8	14.0	440
JFNA090B072			72		0-72	3.0	1.8		630
JFNA090B084			84		0-84	3.0	1.8		870
JFNA090B096			96		0-96	3.0	1.8		930
JFNA150C096	15,000	IV	96	48	0-96	3.3	2.1	17.6	1080
JFNA150C120			120		0-120	4.5	2.3		1790

Installation requires removal of truck load backrest.

Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Push Loaders

- For use in chiseling applications, uses truck's forks
- Quickly pushes load clear of forks
- Serves as a load backrest when fully retracted



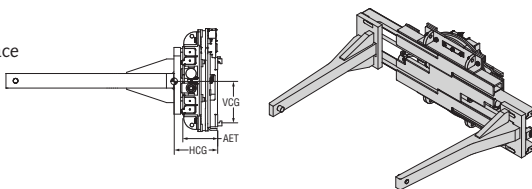
Push Loaders Sideshifting, 2 Functions

Model Number	Capacity lb @ 24"	Mounting Class	Overall Width (in)	Push Stroke (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
JLSC040A4242	4,000	II	42	42	7.0	3.9	16.0	635
JLSC040A4842			48					655
JLSC060B4842	6,000	III	48	42	7.0	3.0	18.5	750
JLSC060B5342			53					800

For non-sideshifting, deduct \$130 from list price. Prices do not include forks. Use standard ITA forks. Bolt-on lower retainers standard.

SQ Series Forging Clamps

- Handles molten billets/materials in and out of the furnace
- Higher capacities and non-rotating models available
- High temperature packing and seals



Forging Clamps: 360° Rotating, Sideshifting, 3 Functions

Model Number	Capacity lb @ LC (in) ¹	Opening Range (Arm to Arm) (in)	Arm Length (in) ⁴	Mounting Class	Angle (°)	Weight (lb)
SQ-3FRSA	1,000 @ 68	5-44	72	II	0	1,960
SQ-8FRSC	3,000 @ 68	5-64		III or IV	0	4,415
SQ-12FRSC	4,250 @ 68	7-80		IV ²	0	6,100
SQ-20FRSN	6,700 @ 72	15-89	76.5	Pin/integral ³	0	Consult Factory
SQ-30FRSN	10,000 @ 72	21-92				
SQ-40FRSN	15,000 @ 84	20-92	89	Pin/integral ³	0	Consult Factory
SQ-80FRSN	30,000 @ 96	10-96	102		0	Consult Factory

¹ Capacity of clamp and rotator at pin centers.

² Pin mounting option available.

³ Pin/integral mounting included in price.

⁴ Measured to end of arm.

Minimum Truck Carriage Width

Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
SQ-3FRSA	41	33
SQ-8FRSC	50	35
SQ-12FRS	64	45
SQ-20FRSN	64	N/A
SQ-30FRSN	64	N/A
SQ-40FRSN	72	N/A
SQ-80FRSN	84	N/A

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
SQ3	12	2,000
SQ8/12/20	24	2,000
SQ30/40/80	Consult factory	2,500

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

Optional Equipment/Features

Description
Arm modifications: non-standard arm lengths
Modified arm gussets for special
Furnace charging operations
Interchangeable arm brackets
Tip configurations: (blank arms standard)
Slip-on pads
Pins
Modified opening ranges

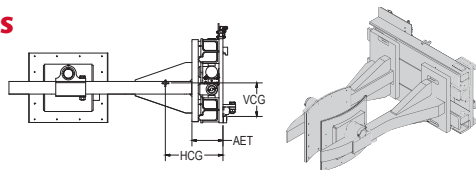
Optional Mounting Hooks

Model Number	Mounting Class
SQ-3FRSA	II
SQ-8FRSC	III or IV
SQ-12FRSC	IV ¹
SQ-20/30/40/80	Pin/integral

¹ Pin mounting option available. For mounting other than shown, consult factory.

SQ-CP Series Concrete Pipe Clamps

- Powered pads and integral mounting available
- Handles pipe in vertical position
- Handles cured or green pipe



Non-Sideshifting Models, 1 Function

Model Number	Capacity lb @ LC (in)	Opening Range (in)	Pad Size W x H (in)	Class	Mounting Angle (°)	Weight (lb)
SQ-3-CP	3,200 @ 30	9-50	18 x 18	III	0	1,900
SQ-8-CP	5,500 @ 36	18-72	20 x 24	III or IV		2,520
SQ-12-CP	6,500 @ 44	17.5-85	24 x 24	IV		3,850
SQ-20-CP	10,000 @ 48	33.5-92	24 x 24	Pin/integral ¹		6,200
SQ-30-CP	12,000 @ 60	25-125	24 x 24	Pin/integral ¹		9,150

¹ Pin/integral mounting included in price.

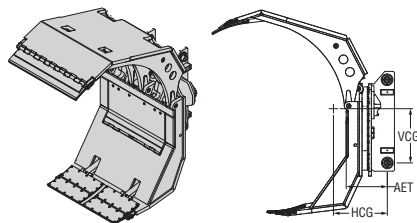
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
SQ3/SQ8	7-10	2,000
SQ12	9-15	2,000
SQ20/SQ30	Consult Factory	2,000

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

NPR-CP Series Concrete Pipe Clamps

- Minimum lost load for best net truck capacity
- Safely lay pipe down in the bilge position
- Rubber-faced contact pads standard
- Pin/Integral mounting available



360° Rotating Models, 2 Functions

Model Number	Capacity lb @ LC (in)	Opening Range (in)	Pad Size W x H (in)	Mounting Class	Angle (°) ¹	Weight (lb)
NPRCP-652B	6,000 @ 26	10-52	10 x 30	III	0	1,990
NPRCP-760C	7,000 @ 30	10-60				3,300
NPRCP-1060C	10,000 @ 30	10-60		IV	0	3,450
NPRCP-980C	9,000 @ 40	22-80	12 x 42	IV	0	4,615
NPRCP-1888S	18,000 @ 44	34-88				
NPRCP-225102S	22,500 @ 51	34-102				
NPRCP-29116S	29,000 @ 58	41-116				
NPRCP-3090	30,000 @ 45	35-90				
NPRCP-32102	32,000 @ 51	33-102	20 x 54			
NPRCP-35130	35,000 @ 65	75-130				

Consult factory for specifications and price

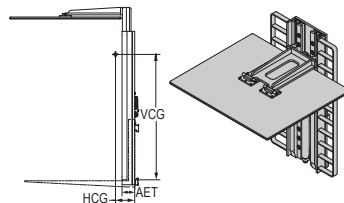
Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
NPRCP-652/760	12	2,000
NPRCP-980/1060	24	2,000
NPRCP-1888 thru 35130	Consult factory	

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

LSS Series Load Stabilizers

- Articulating rubber pad. Load backrest included
- Dual pressure relief valves
- Ideal for beverage and warehousing industries



Load Stabilizers: Without Forks, 1 Function

Model Number	Opening Range (in)	Pad Size W x L (in)	Backrest Size W x H (in)	Mounting Class	Lost Load AET (in)	Weight (lb)
LSS-E35-3030	35-65	30 x 30	34 x 60	II	4.0	
LSS-E35-3036		30 x 36				Consult
LSS-E35-3636		36 x 36				Factory
LSS-E35-3642		36 x 42				
LSS-E46-3030	46-86	30 x 30	34 x 60	II	4.0	
LSS-E46-3036		30 x 36				Consult
LSS-E46-3636		36 x 36				Factory
LSS-E46-3642		36 x 42				
LSS-E46-4242		42 x 42				

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Max psi
All Models	5-7	2,500

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

Minimum Truck Carriage Width

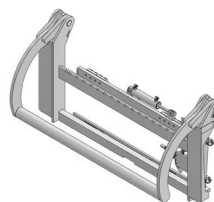
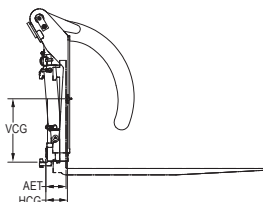
Model Number	Body Width (in)	Minimum Truck Carriage Width (in)
All models	34	20

Optional Equipment

Description
Other pad dimensions or opening ranges
Fold-down pad/fold-up forks
Bottled water configuration
Tailgate beverage unit
Less load backrest
Sideshifting

End Hold Down

- Stabilize extra wide loads when traveling
- Uses your truck's forks
- Holds a wide variety of diameters and bundles
- Larger capacity available



Hook Carriages, 2 Functions

Model Number	Capacity @ 24" Load Center	Fork Spread Out to Out (in)	Mounting Class
QHS-090B60	9,000 lb	60	III
QHS-155C44	15,000 lb	44	IV

Forks not included.

Pipe & Pole Hold Down, Dual Stage

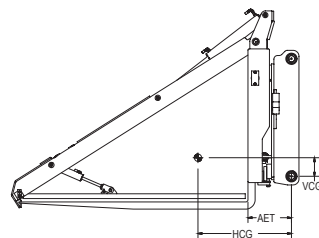
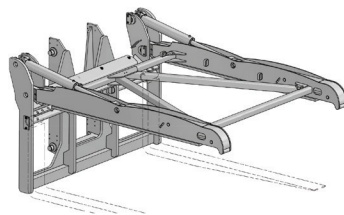
- Stabilize extra wide loads when traveling
- Uses your truck's forks
- Holds a wide variety of diameters and bundles
- Sideshifting models available, consult factory
- Larger capacity available

Pin Type, Integral Carriages, 2 Functions

Model Number	Truck Capacity (lb)	Fork Spread Out to Out (in)	Fork Length ¹ (in)
THNA155P90D	11,000–15,500	90	96
THNA190P90D	16,000–19,000	90	96
THNA250P90D	20,000–25,000	90	96

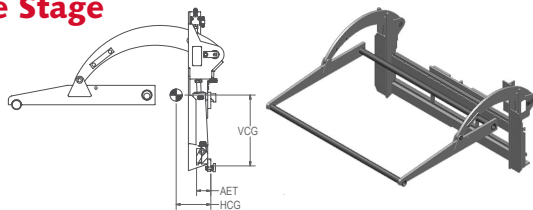
¹ Forks not included.

Note: Boom cylinders are hoses to a #6 terminus on the RH side. Stabilizer cylinders are hoses to a #6 terminus on the LH side. Other hosing options available.



Pipe & Pole Hold Down, Single Stage

- Stabilize extra wide loads when traveling
- Uses your truck's forks
- Holds a wide variety of diameters and bundles
- Sideshifting models available, consult factory
- Larger capacity available



Hook Carriages, 1 Function

Model Number	Capacity @ 24" Load Center	Fork Spread Out to Out (in)	Fork Length ¹ (in)	Mounting Class
QHNA055A60P	5,500 lb	60	48	II
QHNA150C84P	15,500 lb	80	72	IV

¹ Forks not included.

² Prices do not include carriage rollers or forks.

! Important Note

Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.

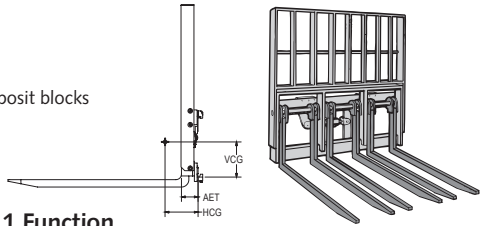
! Recommended Hydraulic Supply

Model Number	Recommended Flow (gpm)	Recommended psi
All models	8–10	2,000–2,500

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

Hang-On Block Handlers

- Adapt ITA carriage to double and single block handling
- Full floating forks severely minimizes block damage
- Sideshifting option, allows precise positioning to pickup and deposit blocks



Single Block Handler Models with Load Backrest, 1 Function

Model Number	Capacity lb @ 24"	Mounting Class	Overall Width (in)	Min. Truck Carriage Width (in)	Cube Width (in)	Total Sideshift (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
JBSC0908500	9,000	III	50	40	48/54	8	2.9	10.9	11.3	885

Recommended Hydraulic Supply

Model Number	Flow (gpm)	Recommended psi
All block handlers	3-6	2,000-2,500

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

Important Notes

- Single block handlers include six block-saver forks (2" T x 1.5"W x 47" L)
- Double block handlers include 12 block-saver forks. Call for other sizes.
- Lock collars included to control spacing of forks.
- Solid bronze slide top hooks; no-lube heel rollers.
- Replacement forks are available; see pages K-2 through K-5 for standard and specialty forks.

Double Sideshifting Block Handlers

- Designed to handle a double cube of both 16" and 18" cement blocks
- Popular, durable top linear bearing and hardened steel heel rollers
- Includes 48" load backrest, 12 block forks and locking collars

Pin Type, 2 Functions

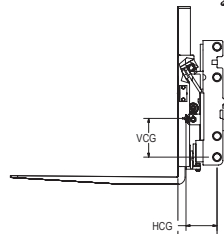
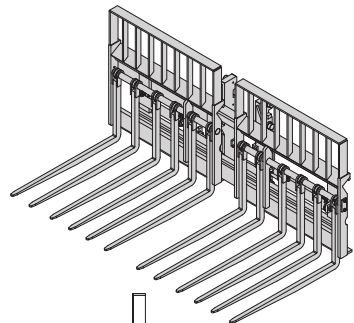
Model Number	Capacity @ 24" (lb)	Overall Width ¹ (in)	Single Width ² (in)	Shift Each ³ (in)
TBSA110P4815	11,000	100	50	15
TBSA150P4815	15,000	100	50	15

¹ Overall width is with sideshifters touching in the center of the base carriage and includes load backrests. Maximum overall width is 118". Block fork dimensions are 2" thick x 1.5" wide x 47" long.

² Block handler includes load backrest and forks.

³ Each sideshifter shifts 6" over center.

⁴ Prices do not include carriage rollers.



Important Notes

- Sideshift cylinders are unhosed. Installation will require hosing to cylinders for either simultaneous or independent sideshift. Other hosing options available. Consult factory.
- Horizontal and vertical center of gravity dimensions will be determined and provided at the time of order. These dimensions are dependent on the specific forklift and mast into which the integral unit will be installed.

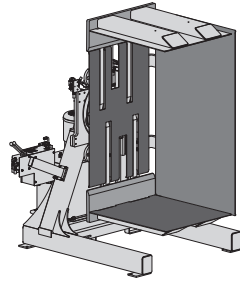
Recommended Hydraulic Supply

Model Number	Recommended Flow (gpm)	Recommended psi
All models	8-10	2,000-2,500

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

Stationary Load Inverters

- 180° rotation
- Side stabilizer included
- Clean, grease-free handling
- Self-contained power unit
- Various capacities, opening ranges and platen sizes

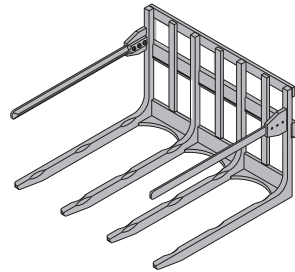


Stationary Load Inverters

Model Number	Capacity lb @ 24"	Opening Range (in)	Power Requirements
LCS-50RR-12D48	4,000	25.5–72.8	220-440VAC, 3 phase

Keg Handlers

- Easy handling of multiple kegs



Keg Handlers: Up to 18 Full Kegs

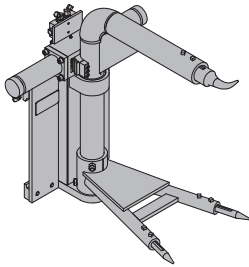
Model Number	Capacity lb @ 24"	Mounting Class	Minimum Truck Carriage Width (in)	Lost Load AET (in)	HCG (in)	VCG (in)	Weight (lb)
KHA035A	3,500	II	36	2.0	11.2	9.45	850
KHA035B		III			11.0	10.3	865

Keg Handlers: Up to 36 Empty Kegs

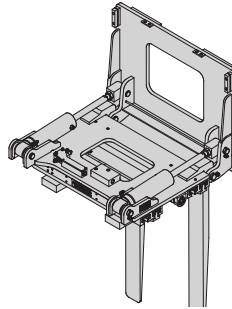
KHA035DA	3,500	II	36	2.0	10.2	25.0	1415
KHA035DB		III			10.0	25.8	1430

Custom Attachments

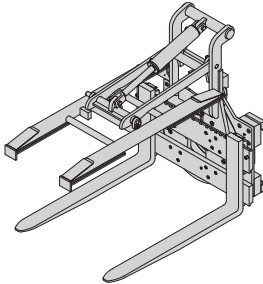
- ♦ Consult factory for price and delivery
- ♦ Supplying custom attachments since 1934



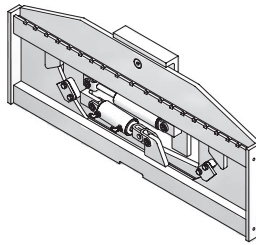
Garrett Quick Break



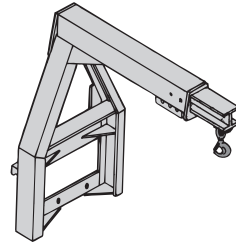
**Upending Feature
For All Lateral Clamps**



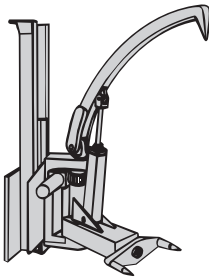
Rotating Hold-Down



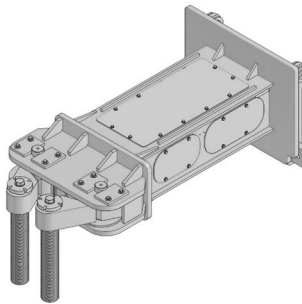
Slope Piler



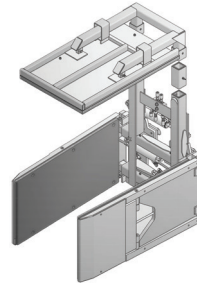
Telescoping Boom



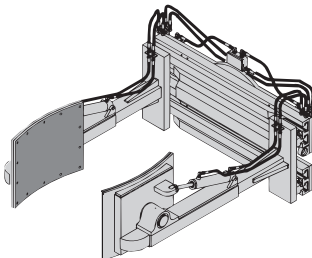
Perry Hook



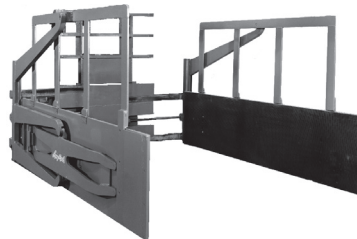
Billet Handler



Citrus Clamp



Tire Manipulator

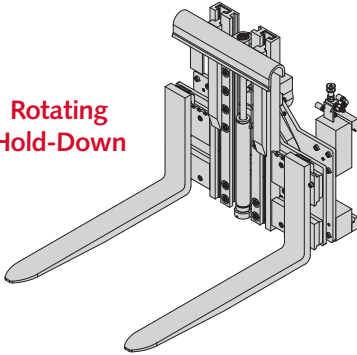


Poultry Coop Clamp

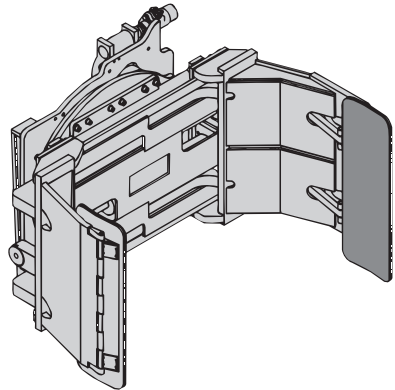
Custom Attachments

- Consult factory for price and delivery
- Supplying custom attachments since 1934

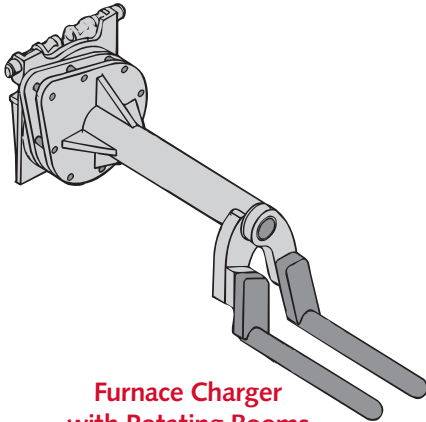
**Rotating
Hold-Down**



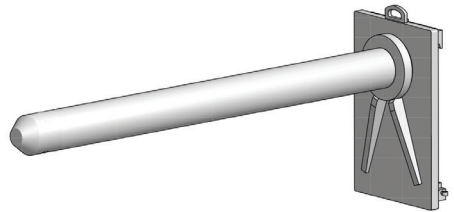
**PMC 6000 Hour
Paper Mill Clamp**



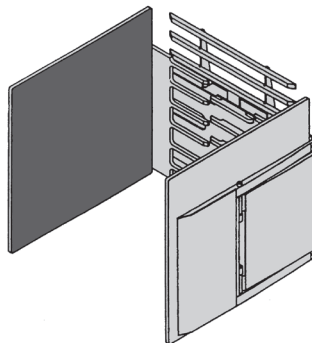
**Furnace Charger
with Rotating Booms**



Coil Ram



**SQ Extended Capacity
Articulating Arm Carton Clamps**

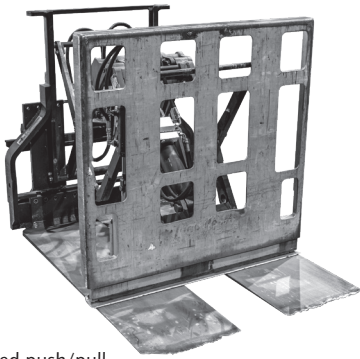


Remanufactured Attachments

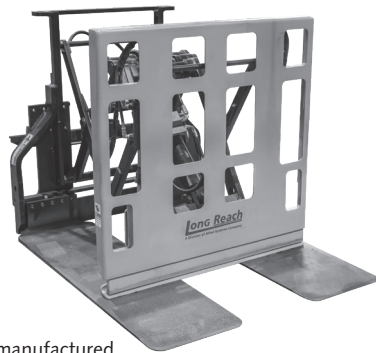
We remanufacture Long Reach attachments to the original factory specifications. This means you get like-new performance and durability at up to 60% off the price of a new attachment. Each attachment is factory tested and meets the same quality requirements as our new attachments.

When you choose Long Reach remanufactured attachments, you can expect shorter lead times, lower cost, and like-new performance and durability. Call today to see what we have in stock.

Looking to trade up? Your used Long Reach attachments may qualify for our buy-back program. Some models may not qualify for buy-back; contact Long Reach to learn more.



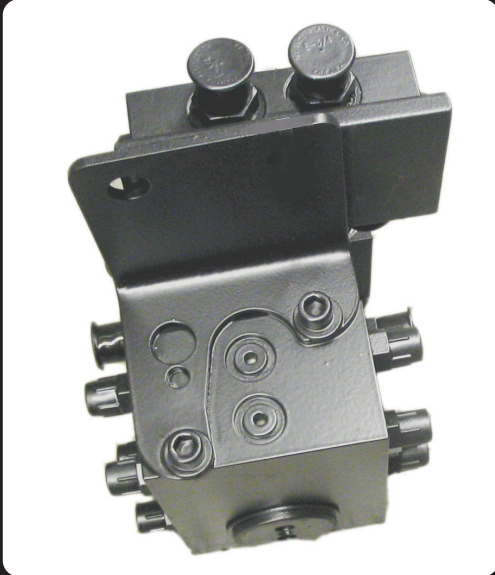
Used push/pull,
before remanufacturing



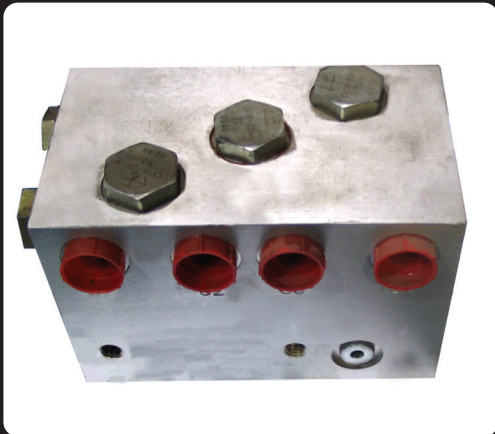
Remanufactured
push/pull, now available



Adapt your attachments to your needs with optional equipment and accessories from Long Reach.



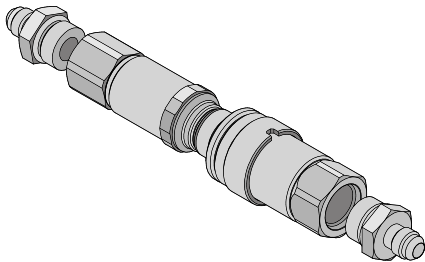
**Flow Control
Valves**



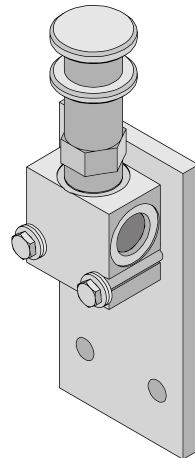
Accessories



Clamp Open Control Kit



Hydraulic Quick Disconnect Couplers



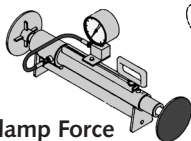
Relief Valve Kits

Optional Equipment and Accessories

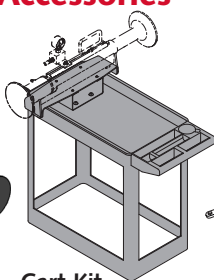
Control Knob



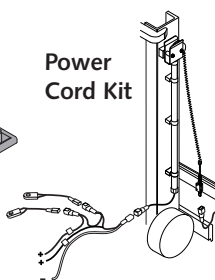
Clamp Force Gauge



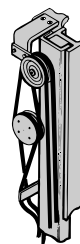
Cart Kit



Power Cord Kit



Hose Take-Up Kit



Optional Clamp Force Gauge

Part No.	Description
YCSY-0234-CLCTM	Clamp force gauge, 10,000 lbs max. psi
YCSY-0428-CLCTM	Clamp force gauge, 30,000 lbs max. psi
2518127	Cart kit, for use with clamp force gauges

Power Cord Kit

Part No.	Switch Type	Mast Down Height (in.)	Max. Fork Height (in.)
2522180	Low Profile	Less than 84"	190
2522203		84-101"	240
2522204		102-120"	320
2524290	Control Knob	Less than 84"	190
2526674		84-101"	240
2525034		102-120"	320

Optional Electrical Equipment

Part No.	Description
Y088122.1	Control knob – 2 function (1 button)
Y088122.2	Control knob – 3 function (2 button)
Y088122.3	Control knob – 4 function (3 button)
2515313	Low profile switch
Single solenoid installed on attachment, 2 function	
Dual solenoid installed on attachment, 3 function	
Single solenoid - valve only - to install on truck	
Dual solenoids - valves only - to install on truck	

Note: Does not include any electrical adaptation for truck.

Low Pressure Tank Line Kit

Kit includes hose and hardware necessary to tee another hydraulic line directly into an existing low pressure return-to-tank hose.

Part No.	Truck Tank Line Hose ID	Attachment Return Hose ID
2501369	0.75 inch	0.50 inch
2501370	1.00 inch	0.50 inch
2501371	1.25 inch	0.50 inch
Consult factory	1.25 inch	0.75 inch
Consult factory	1.50 inch	0.75 inch

Optional Mounting Hooks

	Description
Class II	Quick change hooks
Class III	Quick change hooks
Class IV	Quick change hooks
Class II/III	Dual bolt-on hooks
Class II/III	Dual quick change hooks
Class III/IV	Dual bolt-on hooks
Class III/IV	Dual quick change hooks
Pin/shaft mounting	See page J-6

For mounting other than shown, consult factory.

Flow Control Valve, Single function

Reduces the flow to the attachment. Bi-directional for one hydraulic circuit (both lines). Does not include hoses or fittings. Repair seal kits available. Use in conjunction with low pressure tank line kit.

- Temperature limits: -25° to 225° F (contact factory for higher temperature seals)
- Maximum pressure: 3000 PSI
- Approximate size: 30 GPM input valve, 5" x 5" x 1.5" with #8 SAE ports
- 60 GPM input valve 6.5" x 6.5" x 2" with #12 SAE ports

Part No.	Max. Input	Max. Flow
2501634	30 GPM	3.5 GPM
2501635	30 GPM	5.0 GPM
2501636	30 GPM	7.0 GPM
2501469	30 GPM	10.0 GPM
2501637	30 GPM	12.0 GPM
2507641	60 GPM	7.0 GPM
2504536	60 GPM	24.0 GPM

Installation Kits

Model Number	Number of Functions
YHJL-4-S-22	
YHJL-6-S-30	1
YHJL-8-S-30	
YHJL-4-D-30	
YHJL-6-D-30	2
YHJL-8-D-30	
YHJL-6-T-30	3
YHJL-8-T-30	

Includes the hoses to connect a standard attachment to the hose terminal on the lift truck carriage.

Recommended Hose Sizes

Recommended flow adds approximately 5 psi/foot of pressure loss.

Hose Size	Hose ID	Recommended Flow
#4	1/4"	Up to 2.3 GPM
#5	5/16"	Up to 5.3 GPM
#6	3/8"	Up to 8.0 GPM
#8	1/2"	Up to 16.0 GPM
#10	5/8"	Up to 30.0 GPM
Consult factory	Others	Consult factory

Hydraulic Quick Disconnect Couplers

Provides for fast connection/disconnection of attachment hoses without the use of hand tools. Includes one pair of couplers to accommodate one hydraulic function.

- Made from zinc-plated hardened carbon steel.
- Couplers accept SAE #6, #8 and #10 O-ring ports
- Maximum pressure: 3000 psi
- Temperature range: -30° to 240° F

Part No.	Flow
2527912	Up to 12 GPM

Pressure Gauge

- ♦ Glycerin-filled, with stainless steel case and 1/4" male NPT connection.
- ♦ Pressure range: 0-3000 psi
- ♦ Approx. size: 2.50" diameter
- ♦ Temperature range: -40° to 180° F.

Part No.

2520877

Relief Valve Kit, Single Pressure Setting

Provides lower pressure setting for one hydraulic line. Kit includes valve, valve mounting hardware, bolt-on or weld-on valve mounting plate, and fittings with #8 male JIC connections available. Pressure setting is difference between ports, not absolute. Repair seal kits available.

- ♦ Temperature limits: -30° to 240° F. (Consult factory for higher temperatures)
- ♦ Maximum inlet pressure: 3000 psi.
- ♦ Input flow range: 2-20 GPM
- ♦ Pressure setting range: 300 – 1,800 psi, or 3,000 psi

Part No.	Type	Max PSI
2502580	Kit	1,800
YL-279	Valve only	1,800
2528298	Kit	3,000
2528295	Valve only	3,000

Relief Valve, Bi-Directional

Provides bi-directional lower pressure setting for one hydraulic circuit (both lines).

- ♦ Four #6 SAE O-ring ports.
- ♦ Approximate size: 5.25" x 3" x 1.25".
- ♦ Pressure setting is difference between ports, not absolute.
- ♦ Temperature limits: -30° to 240° F. (Consult factory for higher temperatures)
- ♦ Maximum inlet pressure: 3,000 psi. Input flow range: 2-20 GPM
- ♦ Possible pressure settings: 100 – 3,000 psi
- ♦ Does not include hoses or fittings.

Part No.	Pressure Setting
Contact factory	Others

Manual 3-Position Pressure Regulator Kit

(Three adjustable pressure settings, plus truck relief)

Allows operator to adjust the clamping force from load to load to reduce load damage. Regulates pressure in one line only. Kit includes valve, valve mounting hardware, weld-on valve mounting plate, 3000 psi gauge and fittings with #8 male JIC connections available. Pressure setting is difference between ports, not absolute. Repair seal kits available.

- ♦ Temperature limits: -25° to 225° F. (Consult factory for higher temperatures)
- ♦ Maximum inlet pressure: 3000 psi. Input flow range: 2-20 GPM
- ♦ Pressure adjustment (3): 100 – 3,000 psi for each
- ♦ Factory pressure settings: 800, 1200 and 1800 PSI

Part No.	Type
2500194	Kit
YL-354	Valve only

Clamp Opening Control Kits

- Requires the operator to perform two distinct actions to release the clamping force of an attachment
- Conforms to ANSI/ITSDF B56.1, Section 7.25.7 requirements
- May be easily retrofitted onto existing installations

Beginning October 7, 2010, all lift truck attachments with load-bearing clamps must conform to ANSI/ITSDF B56.1, Section 7.25.7, which states:

"The manual operation or physical action of the control used to release a load-bearing clamp shall require two distinct motions or operations by the operator before the clamp is opened and the load-bearing force is released. For example, move the lever or handle to the left (or right) and then forward (or down), or, depress a button on the lever or handle and then move the lever or handle forward (or down)."

Long Reach clamp opening control kits conform to this requirement, by requiring the operator to depress a button and move a hand lever to release the load-bearing force of the clamp. These kits are easily installed on either new installations, or retrofitted onto existing installations. Illustrated instructions are included with the kits.



Clamp Opening Control Kits

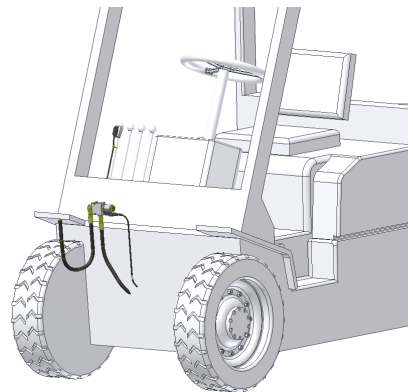
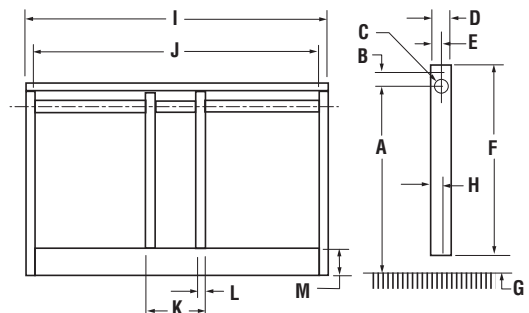
Part Number	Description
2520519	Kit for 12V lift trucks
2520520	Kit for 24V lift trucks
2520521	Kit for 36V lift trucks
2520522	Kit for 48V lift trucks

Pin Mounting Required Dimensions

Pin carriage information. Please furnish the dimensional data shown below at the time of order. Fill in the measurements in the spaces provided in the chart next to each letter. See Optional Mounting Hooks, page J-2.

A	
B	
C	
D	
E	
F	
G	

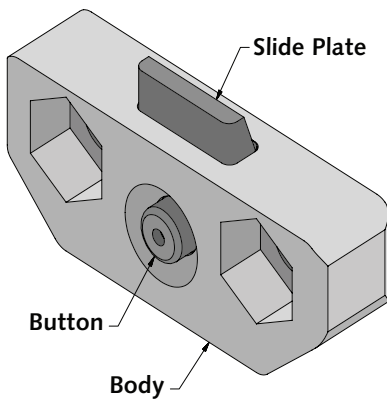
H	
I	
J	
K	
L	
M	



Quick Hooks

The Long Reach quick hook was designed to further increase installation speed. Our quick hooks are unlike any other lower hook design and allow you to remove and install the lower part of your forklift attachment without needing to fasten or loosen any bolts. Quick hook options are available for in all four mounting classes and can be equipped on most attachments.

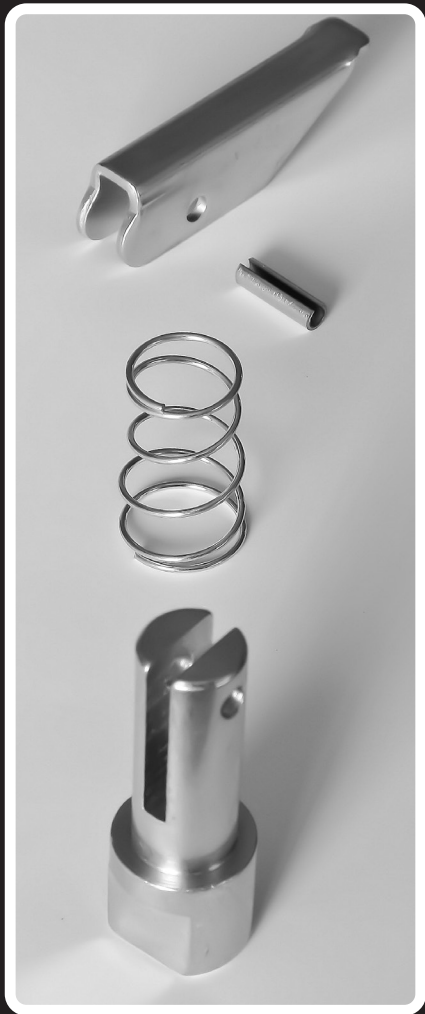
↑
**Raise Slide to secure
attachment to truck.**



↓
**Push button to
lower Slide.**



**Source your replacement forks
and pin kits for ITA Class II, III,
and IV from Long Reach.**



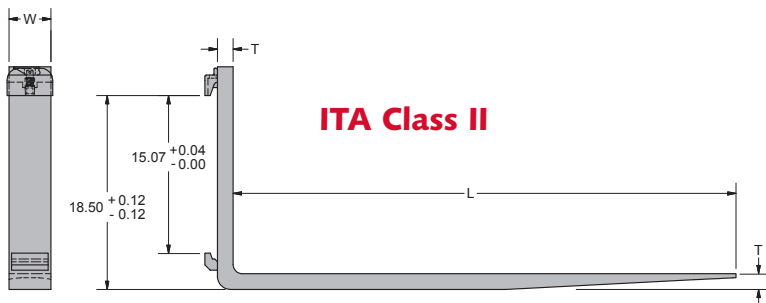
**Various fork pin kit
styles available.**

Forks - Class II, III, and IV



ITA Class II Forks

Part Number	T x W x L (in)	ITA Class	Weight (lbs)	Capacity per Pair (lbs) @ 24" Load Center
FACC03600STD	1.50 x 4 x 36	II	93	5,500
FACC04200STD	1.50 x 4 x 42	II	104	5,500
FACC04800STD	1.50 x 4 x 48	II	117	5,500
FACC05400STD	1.50 x 4 x 54	II	126	5,500
FACC06000STD	1.50 x 4 x 60	II	137	5,500
FACC07200STD	1.50 x 4 x 72	II	161	5,500
FACD04200STD	1.50 x 5 x 42	II	117	5,500
FACD04800STD	1.50 x 5 x 48	II	141	5,500
FACD05400STD	1.50 x 5 x 54	II	154	5,500
FACD06000STD	1.50 x 5 x 60	II	168	5,500
FACD07200STD	1.50 X 5 X 72	II	202	5,500
FADC03600STD	1.75 x 4 x 36	II	102	5,500
FADC04200STD	1.75 x 4 x 42	II	115	5,500
FADC04800STD	1.75 x 4 x 48	II	126	5,500
FADC05400STD	1.75 x 4 x 54	II	139	5,500
FADC06000STD	1.75 x 4 x 60	II	152	5,500
FADC07200STD	1.75 x 4 x 72	II	176	5,500
FADC08400STD	1.75 X 4 X 84	II	202	5,500
FADC09600STD	1.75 X 4 X 96	II	227	5,500
FADD04200STD	1.75 x 5 x 42	II	141	5,500
FADD04800STD	1.75 x 5 x 48	II	161	5,500
FADD05400STD	1.75 x 5 x 54	II	177	5,500
FADD06000STD	1.75 x 5 x 60	II	185	5,500

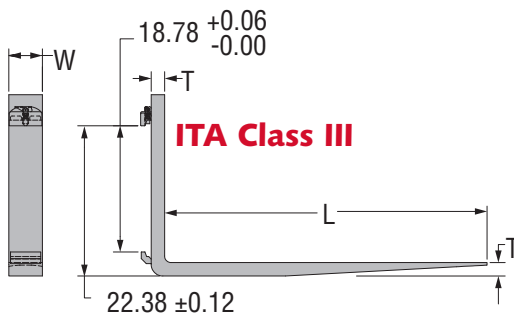


Notes

- Lock pin assembly included on all ITA hook forks
- Standard taper forks supplied with no bevel on tips
- Purchasing one (1) fork is non returnable and non refundable
- Other sizes may be available from our production inventory; please call the factory for price and availability

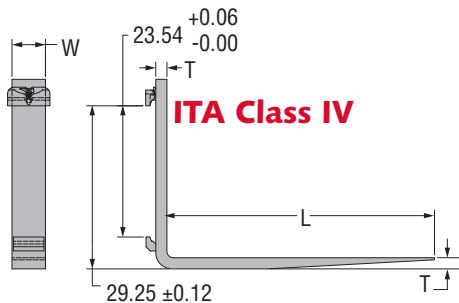
ITA Class III Forks

Part Number	T x W x L (in)	ITA Class	Weight (lbs)	Capacity per Pair (lbs) @ 24" Load Center
FBDD03600STD	1.75 X 5 X 36	III	139	7,600
FBDD04200STD	1.75 X 5 X 42	III	152	7,600
FBDD04800STD	1.75 X 5 X 48	III	170	7,600
FBDD05400STD	1.75 X 5 X 54	III	189	7,600
FBDD06000STD	1.75 X 5 X 60	III	205	7,600
FBDD07200STD	1.75 X 5 X 72	III	235	7,600
FBDD08400STD	1.75 X 5 X 84	III	258	7600
FBDD09600STD	1.75 X 5 X 96	III	303	
FBED04200STD	2 X 5 X 42	III	172	9,500
FBED04800STD	2 X 5 X 48	III	188	9,500
FBED05400STD	2 X 5 X 54	III	205	9,500
FBED06000STD	2 X 5 X 60	III	220	9,500
FBED07200STD	2 X 5 X 72	III	254	9,500
FBED08400STD	2 X 5 X 84	III	280	9,500
FBED09600STD	2 X 5 X 96	III	305	9,500
FBEE04800STD	2 X 6 X 48	III	223	10,000
FBEE05400STD	2 X 6 X 54	III	245	10,000
FBEE06000STD	2 X 6 X 60	III	250	10,000
FBEE07200STD	2 X 6 X 72	III	306	10,000
FBEE08400STD	2 X 6 X 84	III	346	10,000
FBEE09600STD	2 X 6 X 96	III	379	10,000



ITA Class IV Forks

Part Number	T x W x L (in)	ITA Class	Weight (lbs)	Capacity per Pair (lbs) @ 24" Load Center
FCEE04800STD	2 x 6 x 48	IV	256	12,000
FCEE05400STD	2 x 6 x 54	IV	276	12,000
FCEE06000STD	2 x 6 x 60	IV	295	12,000
FCEE07200STD	2 x 6 x 72	IV	337	12,000
FCFE04800STD	2.25 X 6 X 48	IV	283	16,300
FCFE05400STD	2.25 X 6 X 54	IV	308	16,300
FCFE06000STD	2.25 X 6 X 60	IV	331	16,300
FCFE07200STD	2.25 X 6 X 72	IV	377	16,300
FCFE08400STD	2.25 X 6 X 84	IV	445	16,300
FCFE09600STD	2.25 X 6 X 96	IV	496	16,300
FCGE04800STD	2.50 x 6 x 48	IV	318	17,500
FCGE05400STD	2.50 x 6 x 54	IV	344	17,500
FCGE06000STD	2.50 x 6 x 60	IV	370	17,500
FCGE07200STD	2.50 x 6 x 72	IV	421	17,500
FCGE08400STD	2.50 X 6 X 84	IV	469	17,500
FCGE09600STD	2.50 X 6 X 96	IV	524	17,500



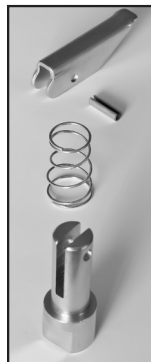
Pin Kits

Pin Kits

Part Number	ITA Class
2523589	II
2523590	III
2523591	IV

Notes

Other pin kit styles are available; call for price and availability.





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