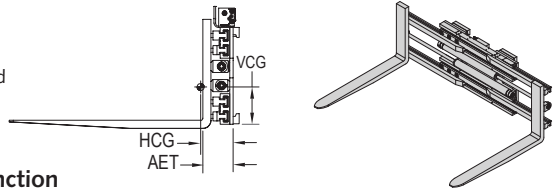


# LCS/NSQ Pallet Fork Clamps

- 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) <sup>1</sup> | 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         |
| LCS-50NN-FD542  |                   |                                 | III                      | 8.5            | 7.0                | 8.3      | 900      |             |
| LCS-50NN-FD548  |                   |                                 | II                       | 7.5            | 7.3                | 7.7      | 900      |             |
| LCS-50NN-FD548  | 5,000             | 17–71.4                         | 2 x 5 x 48               | III            | 8.5                | 8.0      | 7.9      | 930         |
| LCS-50NN-FD548  |                   |                                 | II                       | 7.5            | 8.6                | 7.3      | 940      |             |
| LCS-50NN-FD548  |                   |                                 | III                      | 8.5            | 8.3                | 7.7      | 970      |             |
| LCS-50NN-FD554  | 5,000             | 17–78.4                         | 2 x 5 x 54               | II             | 7.5                | 9.9      | 7.0      | 975         |
| LCS-50NN-FD554  |                   |                                 | III                      | 8.5            | 9.6                | 7.2      | 1,005    |             |
| LCS-50NN-FD554  |                   |                                 | II                       | 7.5            | 7.1                | 7.7      | 950      |             |
| LCS-5CANN-FD542 | 5,000             | 17–78.4                         | 2 x 5 x 42               | III            | 8.5                | 7.8      | 8.2      | 980         |
| LCS-5CANN-FD548 |                   |                                 | II                       | 7.5            | 8.3                | 7.3      | 985      |             |
| LCS-5CANN-FD548 |                   |                                 | III                      | 8.5            | 9.0                | 7.8      | 1015     |             |
| LCS-5CANN-FD554 | 5,000             | 15–88.4                         | 2 x 5 x 54               | II             | 7.5                | 9.6      | 7.0      | 1,020       |
| LCS-5CANN-FD554 |                   |                                 | III                      | 8.5            | 10.3               | 7.5      | 1,050    |             |
| LCS-5DANN-FD542 |                   |                                 | II                       | 8.0            | 5.7                | 8.5      | 1,385    |             |
| LCS-5DANN-FD542 | 5,000             | 15–88.4                         | 2 x 5 x 42               | III            | 9.0                | 6.5      | 8.7      | 1,415       |
| LCS-5DANN-FD548 |                   |                                 | II                       | 8.0            | 6.6                | 8.2      | 1,420    |             |
| LCS-5DANN-FD548 |                   |                                 | III                      | 9.0            | 7.4                | 8.5      | 1,450    |             |
| LCS-5DANN-FD554 | 5,000             | 15–88.4                         | 2 x 5 x 54               | II             | 8.0                | 7.5      | 7.9      | 1,455       |
| LCS-5DANN-FD554 |                   |                                 | III                      | 9.0            | 8.3                | 8.2      | 1,485    |             |

<sup>1</sup> 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 and fittings to connect a standard attachment to the hose terminal on the lift truck carriage.

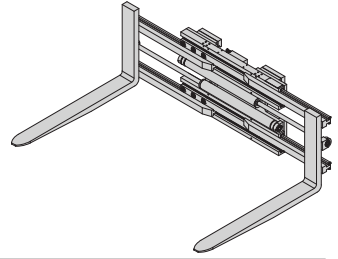
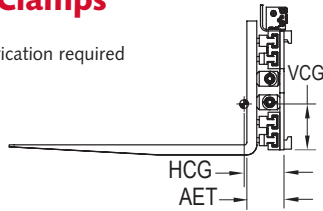
## Optional Mounting Hooks

| 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) <sup>1</sup> | 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       |

<sup>1</sup> 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                             |

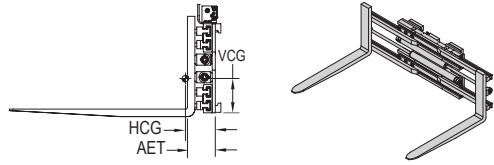
## Recommended Hydraulic Supply

| 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

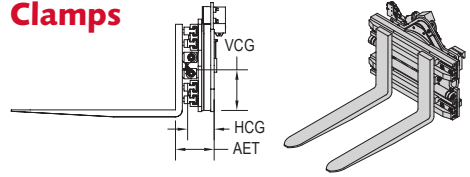
| Model Number   | Capacity lb @ 24" | Opening Range (in) <sup>1</sup> | Fork Size T x W x L (in) | Mounting Class | Lost Load AET (in) | HCG (in) | VCG (in) | Weight (lb) |
|----------------|-------------------|---------------------------------|--------------------------|----------------|--------------------|----------|----------|-------------|
| 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       |

<sup>1</sup> 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
- High net truck capacity
- Four degree (4°) mounting available



## 360° Rotating Pallet Fork Clamps, 2 Functions

| Model Number   | Capacity lb @ 24" | Opening Range (in) <sup>1</sup> | 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 x 5 x 36               |                |           |                    | 9.7       | 8.8      | 1,210          |
| LCS-25RN-FD542 | 2,500             | 14.0-60.8                       | 2 x 5 x 42               | II             | 0         | 12.8               | 10.5      | 8.8      | 1,240          |
| LCS-25RN-FD548 |                   |                                 | 2 x 5 x 48               |                |           |                    | 11.3      | 8.8      | 1,265          |
| LCS-35RN-FD536 |                   |                                 | 2 x 5 x 36               |                |           |                    | 9.7       | 8.9      | 1,250          |
| LCS-35RN-FD542 | 3,500             | 14.0-65.8                       | 2 x 5 x 42               | II             | 0         | 12.8               | 10.4      | 8.8      | 1,280          |
| LCS-35RN-FD548 |                   |                                 | 2 x 5 x 48               |                |           |                    | 11.2      | 8.7      | 1,310          |
| LCS-50RN-FD636 |                   |                                 | 2 x 6 x 36               |                |           |                    | 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 | 5,000             | 15.0-69.4                       | 2 x 6 x 48               | II or III      | 0         | 12.8/13.1          | 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 |                   |                                 | 2.5 x 6 x 42             | III<br>IV      |           | 16.5<br>17.4       | 11.6      | 15.5     | 2,403<br>2,428 |
| LCS-70RN-FF648 |                   |                                 | 2.5 x 6 x 48             | III<br>IV      |           | 16.5<br>17.4       | 12.4      | 15.3     | 2,453<br>2,478 |
| LCS-70RN-FF654 | 7,000             | 22.0-86                         | 2.5 x 6 x 54             | III<br>IV      | 0         | 16.5<br>17.4       | 13.4      | 15.2     | 2,502<br>2,527 |
| LCS-70RN-FF660 |                   |                                 | 2.5 x 6 x 60             | III<br>IV      |           | 16.5<br>17.4       | 14.4      | 15.0     | 2,563<br>2,588 |
| LCS-7CRN-FF642 |                   |                                 | 2.5 x 6 x 42             | III<br>IV      |           | 16.5<br>17.4       | 11.6      | 15.5     | 2,403<br>2,428 |
| LCS-7CRN-FF648 |                   |                                 | 2.5 x 6 x 48             | III<br>IV      |           | 16.5<br>17.4       | 12.4      | 15.3     | 2,453<br>2,478 |
| LCS-7CRN-FF654 | 7,000             | 15.5-77.4                       | 2.5 x 6 x 54             | III<br>IV      | 0         | 16.5<br>17.4       | 13.4      | 15.2     | 2,502<br>2,527 |
| LCS-7CRN-FF660 |                   |                                 | 2.5 x 6 x 60             | III<br>IV      |           | 16.5<br>17.4       | 14.4      | 15.0     | 2,563<br>2,588 |
| LCS-85RN-FF742 |                   |                                 | 2.5 x 7 x 42             | III<br>IV      |           | 16.5<br>17.9       | 11.0      | 15.0     | 2,599<br>2,624 |
| LCS-85RN-FF748 |                   |                                 | 2.5 x 7 x 48             | III<br>IV      |           | 16.5<br>17.9       | 11.9      | 14.8     | 2,649<br>2,674 |
| LCS-85RN-FF754 | 8,500             | 20-84                           | 2.5 x 7 x 54             | III<br>IV      | 0         | 16.5<br>17.9       | 12.9      | 14.7     | 2,700<br>2,725 |
| LCS-85RN-FF760 |                   |                                 | 2.5 x 7 x 60             | III<br>IV      |           | 16.5<br>17.9       | 14.0      | 14.5     | 2,754<br>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          |

<sup>1</sup> 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   |