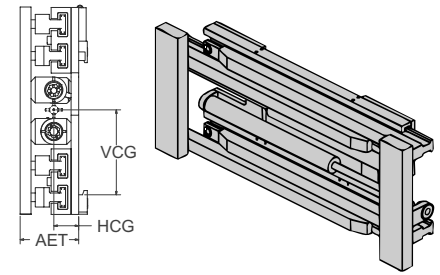


# LCS/NSQ Lateral Clamps Without Arms

- ▶ 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 <sup>1</sup> (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 |                   | 27–81.5                          |                | 5.0 / 6.0          | 3.3 / 4.3 | 10.5            | 620         |
| LCS-5CNN-LA524 | 5,000             | 27–88.5                          | II or III      | 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

| Model Number   | Capacity lb @ 24" | Opening Ranges <sup>1</sup> (in) | Mounting Class | Lost Load AET (in) | HCG (in) | VCG (in)        | Weight (lb) |
|----------------|-------------------|----------------------------------|----------------|--------------------|----------|-----------------|-------------|
| 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 |                   | 27–81.5                          |                | 5.0                | 3.3      | 10.5            | 620         |
| LCS-5CNS-LA524 | 5,000             | 27–88.5                          | II or III      | 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-30SN-LA941 | 30,000            | 104–210                          | None           | 9.1                | 4.7      | Consult Factory | 5,670       |

<sup>1</sup> 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 and fittings 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   |

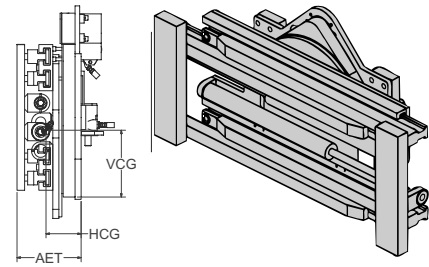
Hydraulic flow less than minimum may reduce operating speed and/or cause irregular arm movement. Higher flow may result in heat build-up, erratic operation and shortened hydraulic system life.

## 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              | 39                | 36            |
| LCS-7A / 8A         | 62              | 39                | 39            |
| LCS-85 ITA IV       | 50              | 42                | 36            |
| NSQ-14              | 56              | 36                | 52            |
| NSQ-20 / 30         | 72 / 100        | Consult Factory   |               |

# 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 <sup>1</sup> (in) | Mounting Class | Angle (°) <sup>2</sup> | 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                         | III            | 0                      | 10.1               | 5.6             | 9.3             | 1,575           |
|                |                   |                                 | II             | 0                      | 10.4               | 5.8             | 9.2             | 1,645           |
| LCS-5CRN-LA524 | 5,000             | 27–88.5                         | III            | 0                      | 10.1               | 5.7             | 9.2             | 1,650           |
|                |                   |                                 | II             | 0                      | 10.4               | 6.0             | 9.2             | 1,785           |
| LCS-5DRN-LA524 | 5,000             | 25–98.5                         | III            | 0                      | 10.1               | 5.9             | 9.2             | 1,790           |
|                |                   |                                 | III            | 0                      |                    |                 |                 |                 |
| LCS-70RN-LA728 | 7,000             | 34–98                           | 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                      |                    |                 |                 |                 |
|                |                   |                                 | IV             | 0                      |                    |                 |                 |                 |
| LCS-8ARN-LA728 | 8,500             | 34–110                          | III            | 0                      | Consult Factory    | Consult Factory | Consult Factory | Consult Factory |
|                |                   |                                 | IV             | 0                      | 14.6               | 8.8             | 15.0            | 2,975           |
| 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 |                 |                 |

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

<sup>2</sup> 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              | 39                | 36            |
| LCS-7A / 8A         | 62              | 39                | 39            |
| LCS-85 ITA IV       | 50              | 42                | 36            |
| NSQ-14              | 56              | 52                | 52            |
| NSQ-20 / 30         | 72 / 100        | Consult Factory   |               |

## Optional Features

See Page E-29 for additional information.

## 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            |

Mounting other than shown, consult factory.

## Recommended Hydraulic Supply

| Model Number           | Flow (gpm) | Max psi |
|------------------------|------------|---------|
| LCS-25 thru LCS-70     | 12         | 2,500   |
| LCS-85RN               | 24         | 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.