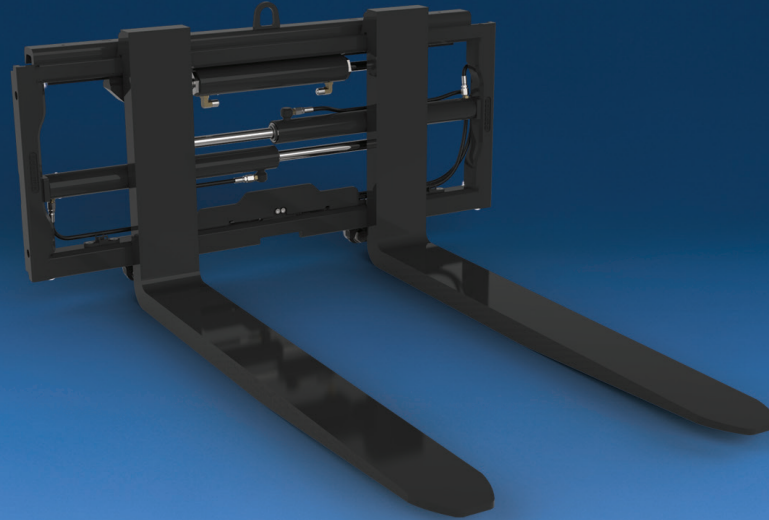


# Fork Positioning for Automotive, Steel and Outdoor Uses



Fork connection to cylinder rod end is lubricated and articulating



Excellent operator visibility



Zero close forks positioned for optimal performance



Flow adjustment for equal fork movement



OEM load backrest compatibility

## APPLICATIONS

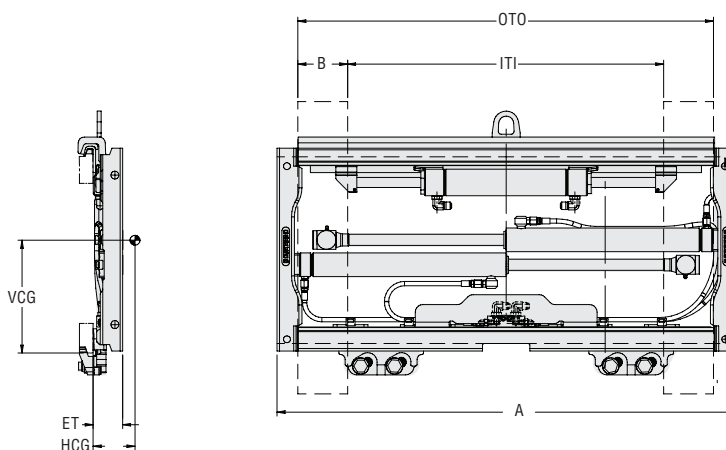
The Z-series fork positioner is recommended when optimized fork range is required including automotive, steel and various outdoor uses.

## FEATURES

- OEM load backrest compatibility.
- Excellent operator visibility.
- Center termination.
- Optimized fork range based on 5" wide forks. Other fork widths can be accommodated.

## OPTIONS

- Top mounted hydraulics.
- Bronze bearings.
- Bronze lower hooks.
- Quick-disconnect lower hooks.
- Full-width lower hook
- OEM compatible load backrests.
- Non-sideshifting models can be supplied with forks.
- Radio Frequency (RF), Solenoid or Sequence Valve hydraulic controls.



## Sideshifting

| Catalog<br>Order No.   | Capacity@ 24"<br>(600 mm) Load<br>Center |       | Carriage Width<br>w/o Load<br>Backrest | Opening Range | Fork Width | Mtg. Class | Min. Truck<br>Carriage Width | Weight |    | Effective<br>Thickness | Horizontal Ctr.<br>of Gravity | Vertical Ctr.<br>of Gravity | Total Sideshift | Load Backrest<br>Type |
|------------------------|------------------------------------------|-------|----------------------------------------|---------------|------------|------------|------------------------------|--------|----|------------------------|-------------------------------|-----------------------------|-----------------|-----------------------|
|                        | lbs                                      | kg    |                                        |               |            |            |                              | lbs    | kg |                        |                               |                             |                 |                       |
| Cascade                |                                          |       |                                        |               |            |            |                              |        |    |                        |                               |                             |                 |                       |
| 25Z-FPS-2-0056         | 5,500                                    | 2,500 | 31.0"                                  | ①             | 5"         | II         | 28.9"                        | 119    | 54 | 2.3"                   | 1.1"                          | 8.4"                        | 8"              | A                     |
| 25Z-FPS-2-0051         | 5,500                                    | 2,500 | 37.0"                                  | ①             | 5"         | II         | 35.2"                        | 134    | 61 | 2.3"                   | 1.1"                          | 8.4"                        | 8"              | A                     |
| 25Z-FPS-2-0052         | 5,500                                    | 2,500 | 41.0"                                  | ①             | 5"         | II         | 35.2"                        | 145    | 66 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 25Z-FPS-2-0054         | 5,500                                    | 2,500 | 49.0"                                  | ①             | 5"         | II         | 40.9"                        | 167    | 76 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 30Z-FPS-3-0051         | 6,500                                    | 3,000 | 37.0"                                  | ①             | 5"         | III        | 34.3"                        | 167    | 76 | 2.5"                   | 1.2"                          | 11.2"                       | 8"              | A                     |
| 30Z-FPS-3-0052         | 6,500                                    | 3,000 | 40.9"                                  | ①             | 5"         | III        | 36.8"                        | 180    | 82 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| 30Z-FPS-3-0053         | 6,500                                    | 3,000 | 49.0"                                  | ①             | 5"         | III        | 40.7"                        | 205    | 93 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| 30Z-FPS-3-0167         | 6,500                                    | 3,000 | 51.2"                                  | ①             | 5"         | III        | 40.7"                        | 211    | 96 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| Hyster/Yale            |                                          |       |                                        |               |            |            |                              |        |    |                        |                               |                             |                 |                       |
| 25Z-FPS-2-0045         | 5,500                                    | 2,500 | 35.7"                                  | ①             | 5"         | II         | 35.2"                        | 132    | 60 | 2.3"                   | 1.1"                          | 8.4"                        | 8"              | C                     |
| 25Z-FPS-2-0001         | 5,500                                    | 2,500 | 36.0"                                  | ①             | 5"         | II         | 35.2"                        | 132    | 60 | 2.3"                   | 1.1"                          | 8.4"                        | 8"              | B                     |
| 25Z-FPS-2-0030         | 5,500                                    | 2,500 | 38.5"                                  | ①             | 5"         | II         | 35.2"                        | 139    | 63 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | C                     |
| 25Z-FPS-2-0009         | 5,500                                    | 2,500 | 42.0"                                  | ①             | 5"         | II         | 38.4"                        | 147    | 67 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | C                     |
| 30Z-FPS-3-0001         | 6,500                                    | 3,000 | 38.0"                                  | ①             | 5"         | III        | 34.3"                        | 172    | 78 | 2.5"                   | 1.1"                          | 11.2"                       | 8"              | B                     |
| 30Z-FPS-3-0003         | 6,500                                    | 3,000 | 38.5"                                  | ①             | 5"         | III        | 34.3"                        | 174    | 79 | 2.5"                   | 1.1"                          | 11.2"                       | 8"              | B                     |
| 30Z-FPS-3-0002         | 6,500                                    | 3,000 | 42.0"                                  | ①             | 5"         | III        | 36.8"                        | 183    | 83 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | B                     |
| Mitsubishi/Caterpillar |                                          |       |                                        |               |            |            |                              |        |    |                        |                               |                             |                 |                       |
| 25Z-FPS-2-0224         | 5,500                                    | 2,500 | 32.3"                                  | ①             | 5"         | II         | 28.9"                        | 123    | 56 | 2.3"                   | 1.1"                          | 8.5"                        | 8"              | A                     |
| 25Z-FPS-2-0222         | 5,500                                    | 2,500 | 36.2"                                  | ①             | 5"         | II         | 30.9"                        | 130    | 59 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 25Z-FPS-2-0223         | 5,500                                    | 2,500 | 39.4"                                  | ①             | 5"         | II         | 35.2"                        | 143    | 64 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 30Z-FPS-3-0160         | 6,500                                    | 3,000 | 37.8"                                  | ①             | 5"         | III        | 34.3"                        | 172    | 78 | 2.5"                   | 1.1"                          | 11.2"                       | 8"              | A                     |
| 30Z-FPS-3-0161         | 6,500                                    | 3,000 | 39.4"                                  | ①             | 5"         | III        | 34.3"                        | 176    | 80 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| 30Z-FPS-3-0137         | 6,500                                    | 3,000 | 40.2"                                  | ①             | 5"         | III        | 34.3"                        | 178    | 81 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| Toyota                 |                                          |       |                                        |               |            |            |                              |        |    |                        |                               |                             |                 |                       |
| 25Z-FPS-2-0011         | 5,500                                    | 2,500 | 31.9"                                  | ①             | 5"         | II         | 28.9"                        | 123    | 56 | 2.3"                   | 1.1"                          | 8.5"                        | 8"              | A                     |
| 25Z-FPS-2-0087         | 5,500                                    | 2,500 | 36.2"                                  | ①             | 5"         | II         | 30.9"                        | 132    | 60 | 2.3"                   | 1.1"                          | 8.4"                        | 8"              | A                     |
| 25Z-FPS-2-0086         | 5,500                                    | 2,500 | 40.2"                                  | ①             | 5"         | II         | 35.2"                        | 143    | 65 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 25Z-FPS-2-0012         | 5,500                                    | 2,500 | 46.1"                                  | ①             | 5"         | II         | 40.9"                        | 158    | 72 | 2.3"                   | 1.1"                          | 8.3"                        | 8"              | A                     |
| 30Z-FPS-3-0087         | 6,500                                    | 3,000 | 38.2"                                  | ①             | 5"         | III        | 34.3"                        | 172    | 78 | 2.5"                   | 1.1"                          | 11.2"                       | 8"              | A                     |
| 30Z-FPS-3-0086         | 6,500                                    | 3,000 | 42.1"                                  | ①             | 5"         | III        | 36.8"                        | 183    | 83 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |
| 30Z-FPS-3-0089         | 6,500                                    | 3,000 | 46.1"                                  | ①             | 5"         | III        | 40.7"                        | 196    | 89 | 2.5"                   | 1.1"                          | 11.3"                       | 8"              | A                     |

① Fork opening range:

5" fork – ITI – 0" close and OTO; -0.9" less than A dimension  
 4" fork – ITI – 0" close and OTO; -2.7" less than A dimension  
 Max OTO for B & C load backrest types; -3.1" less than A dimension

▶ Overall Width: A dimension is limited to 51.2" on all 25/30Z models.

▶ Consult Cascade for applications beyond recommended loads.

▶ In order to ensure that the unit best suited for the application is selected consult Cascade.

▶ **DO NOT USE TO CLAMP LOADS**

▶ Optional top mount hydraulics are designed to offer easy connection of Z-series Fork Positioners. Consult Cascade.

▶ Forks are not included and can be supplied by Cascade and ordered with the unit.

▶ Fork installation requires welding. No welding required if forks is ordered through Cascade.

▶ Load Backrest Types:

A: End hole patterns B: Face hole patterns C: Face hole patterns with counterbore

▶ Non-sideshifting units available.

Cascade Corporation • PO Box 20187 • Portland, OR 97294-0187 • USA • 800 CASCADE (227.2233) • Tel 503.669.6257 • Fax 800.693.3768 • Fax 503.669.6367  
 Cascade Canada Ltd. • 5570 Timberlea Blvd. • Mississauga, Ontario L4W 4M6 • Canada • 800.380.2272 • Tel 905.629.7777 • Fax 905.629.7785