# Sun™ Modular Datacenter S20/D20 Rack Dolly Guide

The Sun™ Modular Datacenter S20/D20 (Sun MD) is shipped with a tool that is used to move racks inside the Sun MD. This tool is referred to as a *rack dolly*. The rack dolly is also available as an option that can be ordered and shipped separately.

## Rack Dolly Option Kit Contents

Each option kit includes the following components:

- One rack dolly - Sun part number X5311A-Z

> ⚠ **Caution –** The rack dolly weighs 89 pounds (40 kilograms). Always roll the dolly into position.Use caution and observe safety guidelines when lifting the rack dolly.

**Note –** The tool kit required for use of the rack dolly is supplied with every SunMD system. It is also available as an option as Sun part number 560-2922.

## Rack Dolly Functionality

When a Sun MD is shipped, and during normal operation, racks are secured in bays inside the Sun MD in what is referred to as *home position*. When a rack is pulled out of a bay, into the *service aisle*, it is in the *service position*.

The rack dolly enables you to maneuver populated racks into and out of the home position, as well as forward and back in the service aisle. The rack dolly has four leadscrews, one on each side. The leadscrews enable you to access the rack dolly from all sides with a socket wrench.
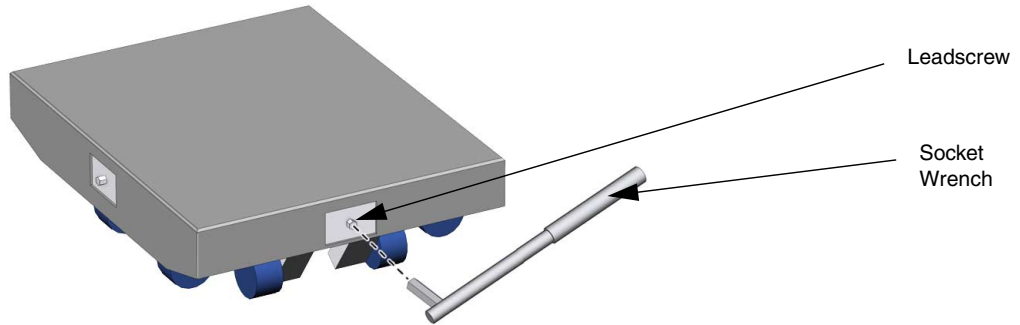
## Engaging the Wheels

The rack dolly has two sets of wheels: the IN/OUT wheels and the UP/DOWN wheels.

- Engage the IN/OUT wheels to roll the rack into the service aisle and back into the home position.
  - Turn the front-facing leadscrew clockwise to raise the IN/OUT wheels.
  - Turn the right-side leadscrew clockwise to lower the IN/OUT wheels.
- Engage the UP/DOWN wheels to roll the rack forward or backward in the service aisle.

- Turn the right-side leadscrew clockwise to raise the UP/DOWN wheels.
- Turn the front-facing leadscrew clockwise to lower the UP/DOWN wheels.

**FIGURE 1**  Rack Dolly With Socket Wrench Engaging IN/OUT Wheels



Leadscrew

Socket
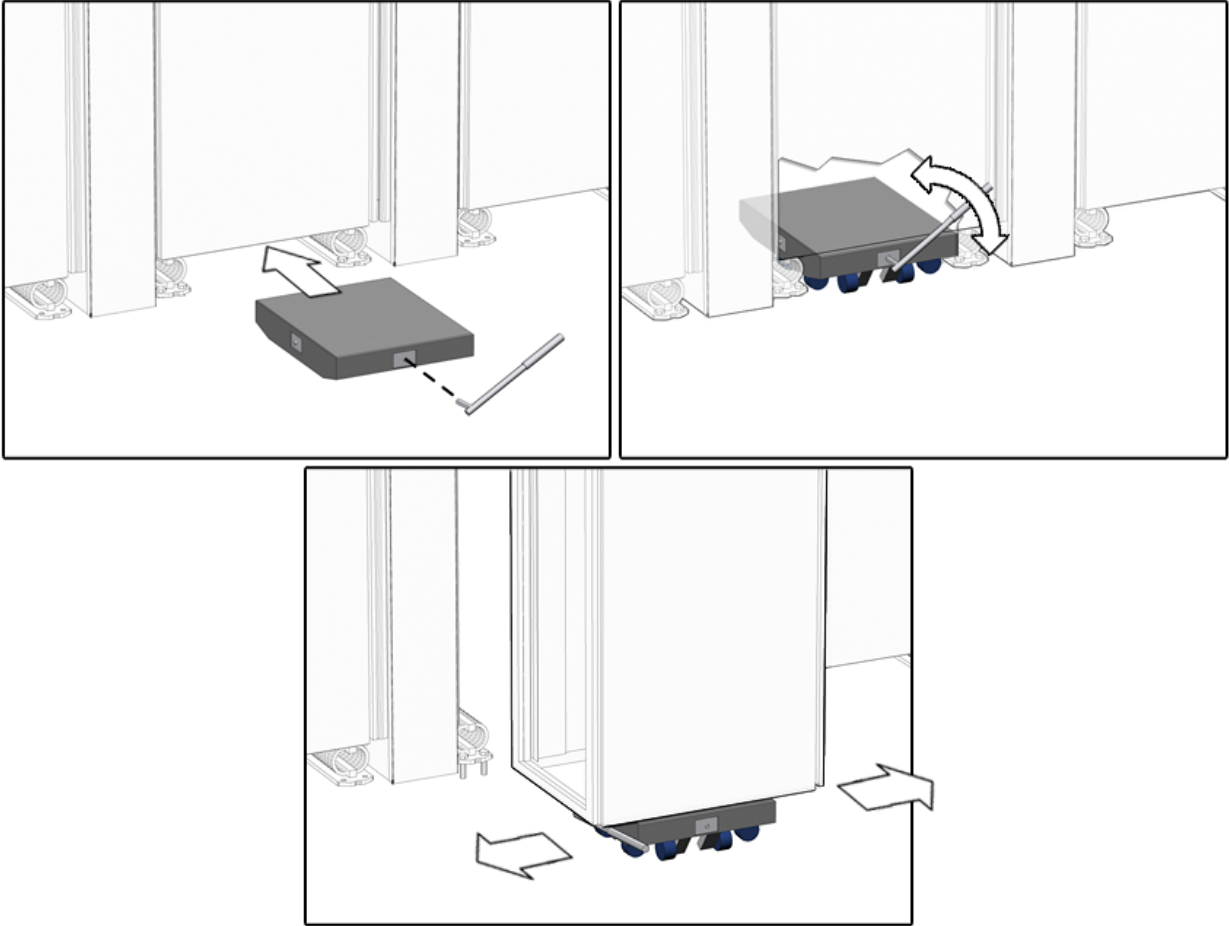Wrench

## Using the Rack Dolly to Move the Rack

**Caution –** Due to the possible variation in equipment mounting depth and center of gravity, the rack dolly must be carefully positioned under a Sun MD D20 system deep rack to ensure it is centered under the center line of the installed equipment. In many cases this may not be the actual center of the rack.

**Note –** Follow the procedure in the *Sun Modular Datacenter S20/D20 Installation Guide* to release the rack before using the rack dolly.

1. Use a 7/16-inch socket wrench to engage the leadscrew.

2. Turn the leadscrew clockwise to lower the UP/DOWN wheels.

3. Move the rack dolly to the rack.

4. Engage the leadscrew and turn it clockwise to lower the IN/OUT wheels.

5. Slide the rack dolly under the rack.

6. Rotate the leadscrew to lift the rack so that the skids clear the floor.

7. Slide the rack into the service aisle.

**FIGURE 2**  Using the Rack Dolly

## Accessing Sun Documentation

You can view, print, or purchase a broad selection of Sun documentation, including localized versions, at:

http://www.sun.com/documentation

**Note –** The Sun Modular Datacenter S20/D20 documentation is available online through a password-protected web site. Contact your Sun Sales Representative for information about accessing the Sun MD product documentation.

## Contacting Sun Technical Support

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http://www.sun.com/service/contacting

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