Doosan

The forklift's turning radius is also referred to as the turning circle, which is essential information for the driver to have. It gives the operator the information of how much space is required to turn the lift truck around. For example, a tighter turning radius allows the equipment to successfully work in restricted places and congested areas, therefore enhancing the maneuverability of the forklift. Operators who are not aware of this measurement could cause damage to the property or to the equipment.

Prior to checking the turning radius, check the steering geometry alignment and correct it if it requires adjustment. Start the test with having the trained driver inside the cab to control the equipment's functions. Another person on the ground utilizes a spray bottle or a hose to wet the outside and inside of the unit's wheels. After that, drive the machinery in a whole circle with the wheels turned to the maximum angle. Repeat the process once and continue if necessary to wet the wheels.

Measure the watermarks left by the tires utilizing a tape measure once your measurement test has been done. The watermark test begins from the tire mark's midpoint to a similar point across the diameter of the circle. For the outside turning diameter, measure the watermark left by the outside tires from the circle's one side to the opposite side of the circle. You could establish the inside turning radius by stretching the tape measure across the circle left by the interior tires. After that, divide these numbers in 2 in order to determine the turning radius. Be certain to note that the turning center is the midpoint of the circle's diameter.

In order to determine the wall-to-wall turning diameter, drop a plumb line from the extreme outside radial extension on the vehicle. After this is done, the next step is to find the point on the pavement directly beneath. This point to the turning center indicates the clearance radius of the equipment. As a rule, wall-to-wall turning diameter is twice the clearance radius of the equipment.