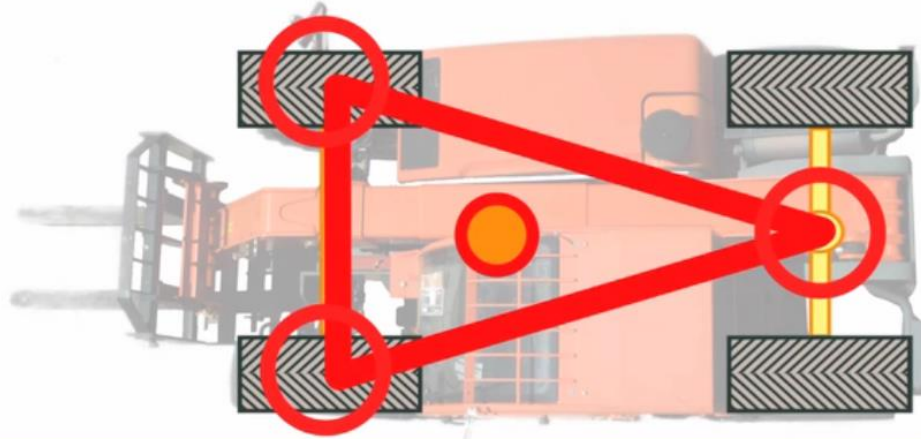
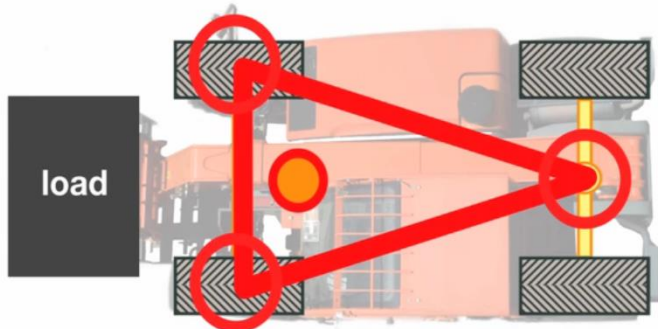


Telehandler stability triangle

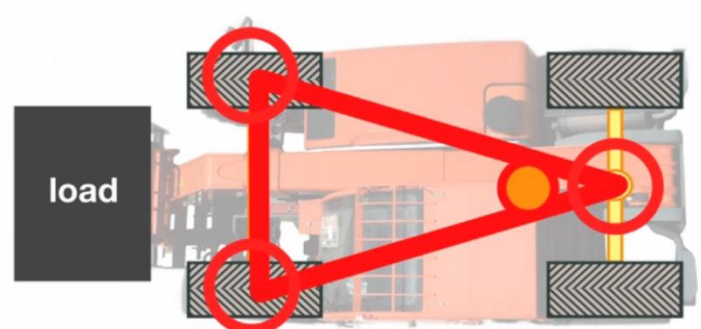
The area formed by a 3 point triangle (imaginary) front wheels and rear axle pivot point, as long as the centre of gravity remains inside this triangle, the machine will not tip over



The stability triangle



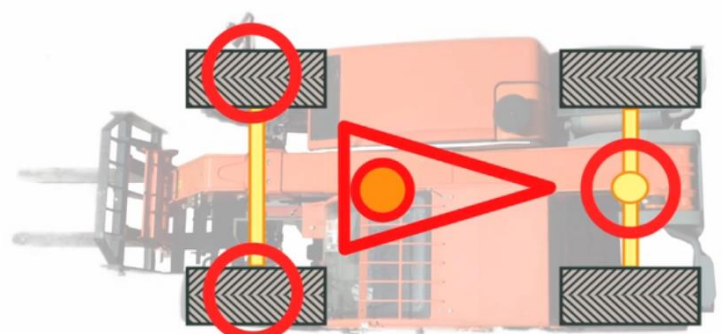
Adding a load while the boom is down causes the centre of gravity to move forward and down



The further the centre of gravity moves to the rear, the less range you have from side to side.



If the centre of gravity moves outside the stability triangle on a hillside, a lateral tip will occur.



As the load is lifted vertically, the triangle area of safe operation decreases in size