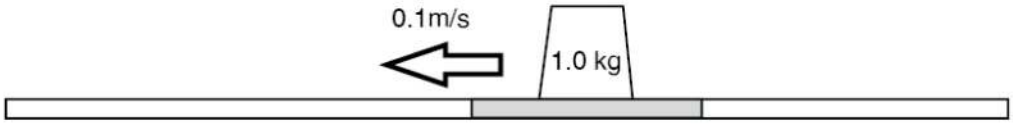
Motor Speed:

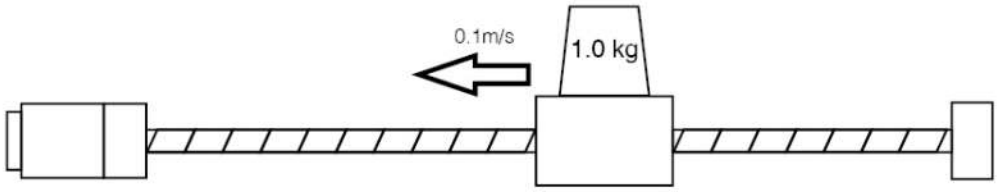
Different applications require different working speeds. We can use different motors and mechanical systems to achieve the same load speeds. Here are some examples:

Let's assume we need to move a 1Kg wight at a speed of 0.1 m/s.

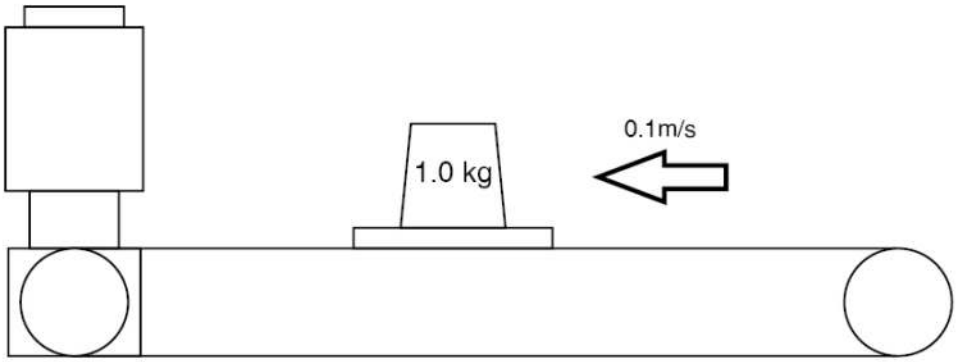
We can use a linear motor with nominal speed > 0.1m/s



We can use a brushless servo motor with a lead screw:



Screw pitch : 5mm
Stepper speed > 1200 rpm
We can use a stepper motor with gear reduction and a belt drive:



Belt pulley diameter: 40mm
Gear ratio: 1:6
Motor speed> 288 rpm