

Freewheeling Holland Power Dollies

Holland Moving & Rigging Supplies utilizes a unique drive system on its freewheeling Holland Power Dollies. The drive is comprised of a radial piston motor that pushes on a cam ring causing the housing to rotate. The motor has several advantages:

- Feature:** The motors run smoothly at speeds close to zero.
- Benefit:** This translates to fine control to precisely move your loads at low speed.

- Feature:** High starting torque.
- Benefit:** Starting from a standstill, you have large torque available to move the load. Some types of motors only have significant torque after they have started moving.

- Feature:** Mechanically freewheeling.
- Benefit:** Hydraulic power is not required to freewheel the motor. The motor is also capable of freewheeling at significant speeds. In addition, there is no oil shear. A gearbox drive will build up heat due to the large gear reductions used.

The mechanical freewheeling feature of the Holland Power Dollie is unique and a significant benefit when traveling over the road. The Power Dollie can be used on site in drive mode to move the load and then be placed in freewheeling mode to travel on the road. Without this feature, the dolly would have to be swapped out with a different dolly to travel down the road. This process would have to be reversed when arriving at the new location.

The hydraulic motor used in the Holland Power Dollie can freewheel at rpms in excess of 600 rpm. When using 22.5 tires at 600 rpm the dolly can reach a freewheeling speed of approximately 66 mph. Unlike a gearbox drive, the hydraulic motor in a Holland Power Dollie will not build up heat due to oil shear of the gears and will not be limited to very low speeds while freewheeling. The hydraulic motor in a Holland Power Dollie is capable of freewheeling faster than the dolly can be used in most situations.

The Holland Power Dollie's freewheeling capability provides superior versatility over other competitor's solutions.