

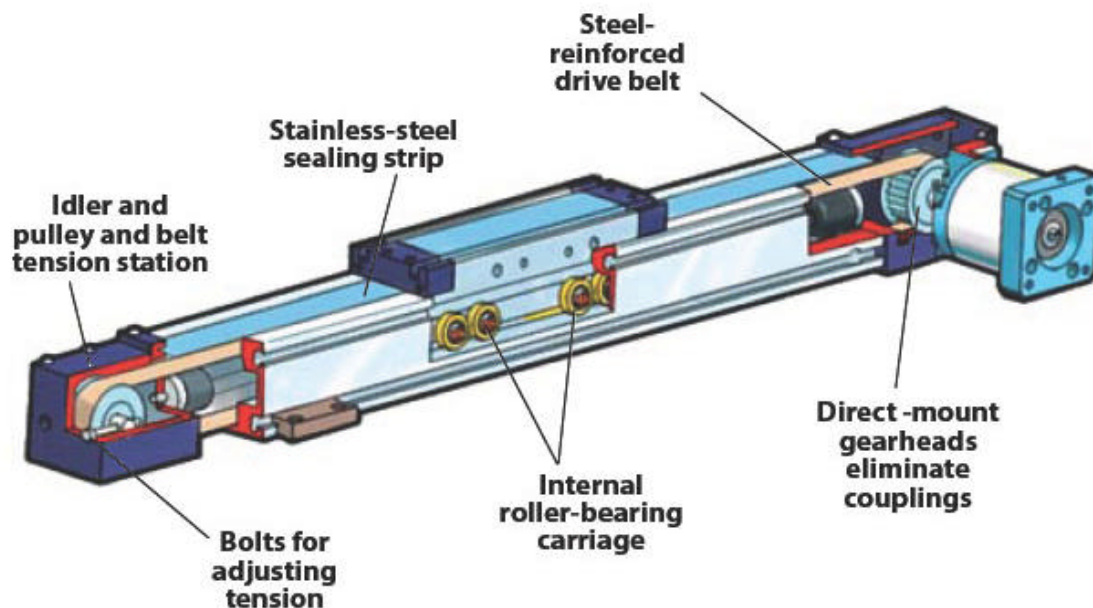


Scanning for Ideas: Actuators with Easily Adjustable Belt Tension

HPLA and HLE offer easy belt tensioning implemented at the idler end of the actuator.

The HPLA and HLE belt-driven actuators from Parker Hannifin Corp.'s Electromechanical Automation Div., Irwin, Pa., can now have belt tension adjusted at the idler end.

This lets users adjust the belt without removing the load. According to Parker, this reduces maintenance and, together with the HPLA/HLE direct-mount gearbox, lowers ownership costs by 20%.



Both actuators handle speeds up to 5 m/sec, loads up to 1,600 kg, and generate up to 5,500 N of thrust force. Drive torque can be as high as 244 Nm. The HPLA can move loads 50 m, while the HLE actuator has a 20-m range. Repeatability is 0.05 mm.

Reprinted from Machine Design magazine, April 21, 2008. For more information on Parker's linear actuators, please visit us online or call 724-861-8200.