



Parker Updates HPLA/HLE Linear Actuators

Product now offered with the popular and powerful MPP motor options.

How do you make a great Parker product even better? Simple: add one to another. Parker now offers powerful MPP motor options for the HPLA and HLE configurables.

Designed for the demanding applications found in today's high-performance servo systems, MPP motors offer lower inertia and higher power, all in a smaller package than conventional motors.

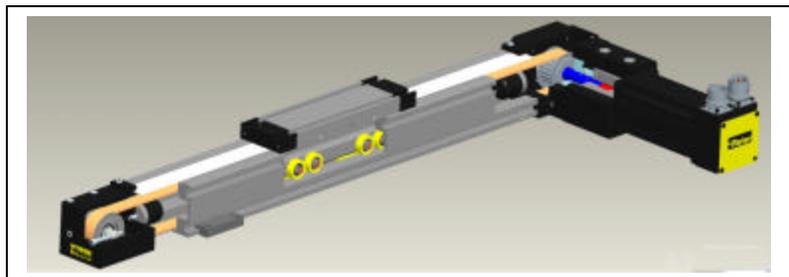


The addition of these motors to the HPLA and HLE belt-driven product configurables makes creating a complete system – from actuator to gearhead to motor – easier than ever. The configurable option includes mounting flanges and pinions for the MPP motors to be easily mounted in the field, or customers can save time and have the motors mounted directly at Parker. Parker still provides mounting hardware for thousands of different motor models and manufacturers.

Along with this change in the motor-mounting options, Parker is proud to announce a new feature of the HLE60 to match the HPLA product line feature set. Users who have ever had

trouble tensioning a belt in a belt-driven actuator will be pleased to learn that the HPLA and the entire HLE family offer easy belt tensioning implemented at the idler end of the actuator. This allows belt tensioning to be done without removing the load. Maintenance

time is reduced, and the machine will be up and running in no time with this easy-to-tension design style. This feature, coupled with the direct-mount gearbox design on the HPLA and the complete HLE family, reduce overall cost of ownership by as much as 20%.



HPLA/HLE features include:

- Up to 50m for rack-and-pinion drive (HPLA180)

- Up to 20m for timing belt drive
- High speeds in practical applications of up to 5m/s
- High load-bearing capacity up to 1600kg
- Nominal drive torque up to 244Nm
- Nominal thrust force up to 5500N
- Repeatability up to $\pm 0.05\text{mm}$
- High degree of mechanical efficiency
- Independent multiple carriages can be used on one linear actuator for rack-and-pinion drive

“The new HLE60 design is just like the HPLA family with a belt tension station at the idler end of the actuator instead of the carriage,” says Ben Furnish, product manager. “The pulley on the motor end can now be mounted directly to the gearbox shaft instead of using couplings – again like the HPLA – and we have implemented standard configurables for the MPP motors on the HPLA/HLE family.” Furnish adds that Parker has mounted countless motors in many varieties. “Spec often drives the motor selection, and it’s very easy to put any manufacturer’s motor on the HPLA or HLE,” he says.

For more information on the HPLA series linear actuators, please call 800-245-6903 or visit www.parkermotion.com.

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