



Parker Kicks Tool Maker into High Gear

Custom-made gearhead gives customer high torque in a small package.

You know Parker as a manufacturer of quality motion control components and systems. But did you know that we also specialize in creating custom solutions?

We were recently approached by a tool manufacturer that needed an extremely high-torque wrench to seat bolts on large equipment. The wrench had to be small, light-weight and durable to support the end customer's preventive-maintenance program.



The result is Parker's custom HT90-300, a four-stage planetary gearhead that allows high ratio – 300:1 – within one housing. The output planetary carrier consists of six planet gears instead of the traditional three, which gives the HT90-300 36,000 in-lbs of torque out of a 90mm frame size gearhead (30 times more torque than a traditional 90mm planetary gearhead). A combination of needle bearings and bushings helps support 9,000 lbs of side load to the output shaft.

This is just one example of how Parker's concept, design and manufacturing capabilities were used to meet the requirements of a very unique application. To learn more about the HT90-300 and how Parker can provide you with a custom gearhead solution, please contact Jeff Nazzaro at jnazzaro@parker.com.

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