

Neugart USA



New, increased torque capability E-series planetary servo gearheads. Torque increase by up to 250%.

The torque rating of the single stage (ratios 3:1, 4:1, 5:1) Neugart E-series planetary servo-gearheads is increased by up to 250%. The torque density of the E-series Neugart gear heads is now factor 2 or more, higher than comparable sized units of competitors. The higher torque density will allow Neugart customers to “downsize their gear selection”, i.e. use more compact, space saving and more economical gearheads.

The increase was accomplished by using additional (up to 5) planet gears in the new design. Conventional designs have only 3 planets. Using more planet gears not only increases the torque load ability, but also the rotational stiffness, hence reducing the amount of “rotational wind up” (lost motion).

Advantages for the user:

- possibility to use smaller gearbox / more compact design
- increased economy - reduced cost, more torque/\$
- weight reduction
- reduced elastic, rotational wind up, more precision