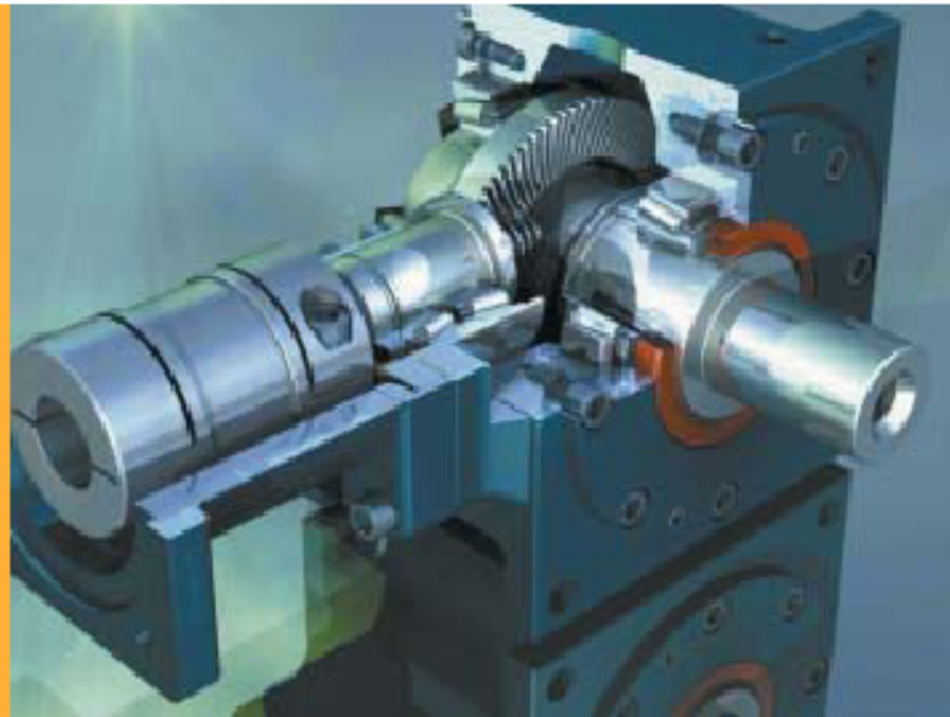


WT Gearheads Turn Servomotor Drive Systems Through 90° to Reduce Installation Space and Offer Increased Torque

- Compact Single Stage Design
- Maintenance Free
- 8 Ratios from 3:1 to 15:1
- 96% Efficiency
- Torque Levels up to 1,440NM
- Backlash Levels of 2 Arc-Minutes



WT 90° gearheads mount to any commercial servomotor and comprehensively cover the mechanical power and torque ranges required in most instrument and industrial motion control applications. The compact design of the WT gearheads is due to novel Gleason hypoid teeth, which permit high ratios in a single stage bevel gear system and when used in conjunction with ZF planetary units can be further increased. Parameter optimised for greater strength, the hypoid gears keep inertia output torque to a minimum and ensure maximum torque transmission from the gearhead.

A major feature of the WT design is that torque transmission from the units is wear and clearance-free. This is the result of the effectiveness of the force locking shaft/hub connection between the WT gearhead and its attached servomotor. In addition, torsional rigidity is excellent as a result of transverse loads being handled effectively by the gearheads' high quality taper-roller bearings. The provision of IP64 ingress protection and lifetime grease lubrication means that operation is essentially maintenance-free during its service life, which is typically >30,000 hours.

WT gearheads are backed-up by the resources of one of the most respected manufacturers of drive technology in the world. ZF Industrial is part of the worldwide ZF Group of companies with production centres, partners and representatives on every continent. In the industrial sector, ZF is at the forefront of developments, from individual units to complete systems solutions for all types of machinery and production units, including those used in robotic systems and the fast growing factory automation sector.



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