



ROTATION HEAD RANGE

BY EVOLUTION DRILL RIGS

STANDARD ROTATION HEAD RANGE

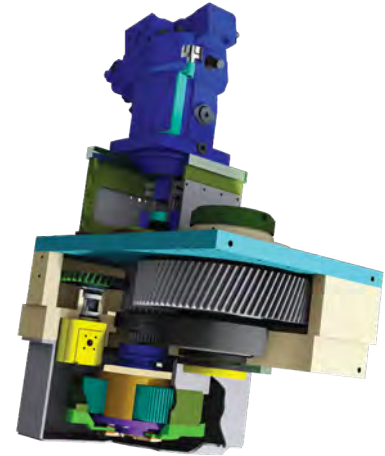
EDR has the design capabilities to develop customized gearboxes and gear drives to meet customer requirements.



- 0 – 28,000 Nm
- High Gear 3 : 1
- Low Gear 22.5 : 1
- Speed Range 0-1500

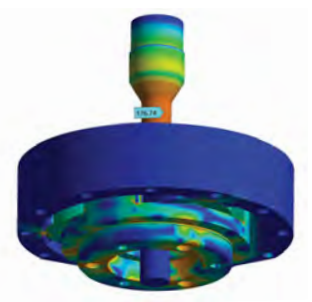
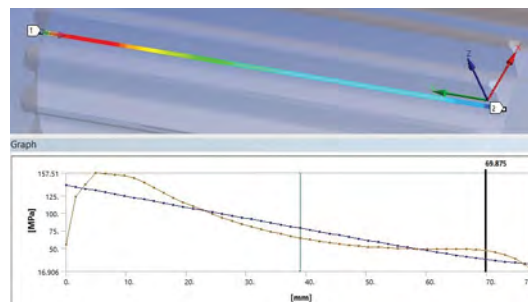
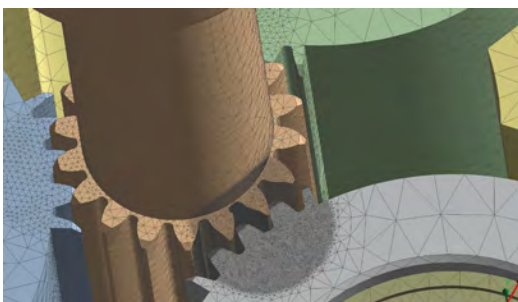


- 0 – 8,087 Nm
- High Gear 3.04 : 1
- Low Gear 12.61 : 1
- Speed Range 0-1500



- 0 – 14,324 Nm
- High Gear 3 : 1
- Low Gear 22.5 : 1
- Speed Range 0-1500

FEA DESIGN METHOD TO ACHIEVE MINIMUM WEIGHT DESIGN



- Designed to achieve minimum volume/weight gearing
- Optimization of custom gear ratios
- Lowest manufacturing cost and fastest assembly time top priority
- Design life rating to AGMA or ISO standards
- FEA structural & flexibility investigation of the assembly using ANSYS simulation
- Operational variable torque calculations to ISO 6336-6

