

# WDE Series

## Commercially Developed, Aerospace Qualified

Kinematics understands the unique needs of a satellite antenna positioner and offers products designed for the satellite communications industry. The Wedge Drive functions as a dual-drive azimuth axis for torque biasing and a dual-drive train axis for pre-positioning to avoid keyhole effects.



## We Integrate So You Don't Need To

Planetary reducers, motors, torque sensors, and encoders are available to be factory integrated, offering our customers a drop-in solution for precise positioning. It can be provided with torque sensors, planetary reducers, motors, and encoders to meet your requirements.

## Installation Ready

The WDE Series comes ready to install and is an easy drop-in solution. Developed for LEO/MEO antenna positioners and can be integrated with an additional KE12 for EL/AZ/TR positioner solution. Recommended for reflector sizes up to 4m.

## Performance and Value

Kinematics delivers cost-competitive global manufacturing with US-based engineering, sales, and customer support. Since 1996 we have been delivering reliable, innovative products.

## Custom Engineering

Kinematics engineers thrive on solving your problem with a specialize solution. Remove the risk and guesswork by allowing us to provide an integrated solution of actuators, custom mounting solutions, motors, and position-sensing technology.

Drive Type	Raceway Diameter	Survivability Torque	Overturning Moment
WDE7	187mm (7")	7.0 kN-m	13.5 kN-m
WDE12	305mm (12")	49.9 kN-m	54.2 kN-m
WDE17	432mm (17")	65.6 kN-m	135.6 kN-m