

WE Series

High Speed plus High Torque

The WE Enclosed actuators help power movement in higher speed situations requiring both load-holding and rotational torque from the same drive. Typical applications include truck cranes, lifts, utility equipment, equipment attachments, oil tool equipment, and tire handlers. The WE drive is available in seven standard sizes.



Unmatched Performance at High Speed

Unlike traditional worm gearboxes with a maximum speed of 1-2 RPM, the WE series can rotate up to 5 rotations per minute while maintaining high backwards holding torque and moment loads.

Installation Ready

The WE Series comes ready to install and is an easy drop-in solution. The pre-greased worm and bearing, as well as a variety of motor mount options for hydraulic or electric motors make this product ideal for commercial applications. It can be purchased with or without a motor.

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, counterbalance valves, and position sensing technology.

Drive Size	Raceway Diameter	Backwards Holding Torque	Overturning Moment
WE7	163mm	10.0 kN.m	13.5 kN.m
WE9	222.5mm	39.0 kN.m	45.0 kN.m
WE12	310.3mm	49.9 kN.m	54.2 kN.m
WE14	342.5mm	54.4 kN.m	67.8 kN.m
WE17	422.1mm	65.6 kN.m	135.6 kN.m
WE21	525.5mm	81.0 kN.m	203.4 kN.m
WE25	620mm	89.0 kN.m	271.1 kN.m