






αSTEP Closed loop Stepping Motor unit
AZ Series Equipped with ABZO Sensor



A **ADVANCED**
PERFORMANCE
Absolute Stepping System

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Our AZ Series can go with different Geared Types

Type	Features	Permissible Torque and Maximum Instantaneous Torque [N·m]	Backlash [arcmin]	Basic Resolution [°/Step]	Output Shaft Rotation Speed [r/min]
 Standard Type	Basic model of AZ Series	Maximum Holding Torque 2	—	0.36	4500
 Low Price TS Geared Type (Spur gear mechanism)	A Wide Variety of Low Gear Ratios, High-Speed Operations Gear Ratio Types 3.6, 7.2, 10, 20, 30	Permissible Torque Maximum Instantaneous Torque 6 10	10	0.012	833
 High Torque PS Geared Type (Planetary gear mechanism)	High Permissible Torque/Maximum Instantaneous Torque A Wide Variety of Gear Ratios for Selecting the Desired Step Angle Center Shaft Gear Ratio Types 5, 7.2, 10, 25, 36, 50	Permissible Torque Maximum Instantaneous Torque 8 20	7	0.0072	600
 High Accuracy High Torque HPG Geared Type (Harmonic planetary®)	High positioning accuracy High Permissible Torque/Maximum Instantaneous Torque Center Shaft Gear Ratio Types 5, 9, 15	Permissible Torque Maximum Instantaneous Torque 9 19	3	0.024	900
 High Accuracy High Torque Harmonic Geared Type (Harmonic drive®)	High positioning accuracy High Permissible Torque/Maximum Instantaneous Torque High Reduction Ratio, High Resolution Center Shaft Gear Ratio Types 50, 100	Permissible Torque Maximum Instantaneous Torque 10 36	0	0.0036	70

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