

## Specifications

### System

Data Acquisition Rate	Up to 2500 Hz
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Stages	Compression/Tension & Shear	Torsion
Travel Range	50, 100, 150, 200 or 250 mm	360° continuous
Resolution	0.5 or 0.1 µm (high accuracy)	0.0005°
Maximum Velocity	50 mm/s	80°/s
Maximum Acceleration	500 mm/s <sup>2</sup>	320°/s <sup>2</sup>

Load Cells		Single-Axis			Multiple-Axis <sup>1</sup>		
Load Range	Vertical Axis (z)	1.5 N (150 g)	10 N (1 kg)	100 N (10 kg)	17 N (1.7 kg)	35 N (3.5 kg)	70 N (7.0 kg)
	Horizontal Axes (x, y)	-			12 N (1.2 kg)	25 N (2.5 kg)	50 N (5.0 kg)
Load Resolution	Vertical Axis (z)	75 µN (7.5 mg)	0.5 mN (50 mg)	5 mN (500 mg)	0.85 mN (85 mg)	1.75 mN (175 mg)	3.5 mN (350 mg)
	Horizontal Axes (x, y)	-			0.60 mN (60 mg)	1.25 mN (125 mg)	2.5 mN (250 mg)
Torque Range (all axes)		-			0.12 N·m (12 g·m)	0.25 N·m (25 g·m)	0.5 N·m (50 g·m)
Torque Resolution (all axes)		-			6.0 µN·m (0.6 mg·m)	12.5 µN·m (1.25 mg·m)	25.0 µN·m (2.5 mg·m)

<sup>1</sup>ATI Industrial Automation Nano17



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