




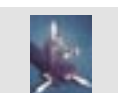


## Micromanipulator Selection Guide

Manipulator Selection Guide Chart								
	Ratio Adjustment	Coarse Movement		Fine Movement		Mounting	Features/Options	Catalog No.
		Travel	Resolution	Travel	Resolution			
<b>De Fonbrune-Type Pneumatic Micromanipulators</b>								
	1:50 to 1:2500	–	–	3 mm max	~1 µm min	Free-Standing Base	Pneumatic Joystick Control, Swivel Base	CGS8974.75
	20:1 to 400:1	–	–	15 mm max	~1 µm min	Stage Mount	Pneumatic Joystick Control	CGS8975.75
<b>1-Axis Mechanical Manipulators</b>								
	–	30 mm max	50 µm	30 mm max	5 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Dual Control Calibrated Knobs	Descontinuado CGS8976.75
	–	30 mm max	50 µm	–	–	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Calibrated Knobs	CGS8977.75
	–	–	–	30 mm max	5 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Calibrated Knobs	CGS8978.75
<b>3-Axis Mechanical Manipulators</b>								
	–	X, Y, Z: 30 mm max	X, Y, Z: 50 µm	X: 30 mm max	X: 5 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Dual Control Calibrated Knobs	Descontinuado CGS8979.75 Descontinuado CGS8980.75
	–	X, Y, Z: 30 mm max	X, Y, Z: 50 µm	X, Y, Z: 30 mm max	X, Y, Z: 5 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Dual Control Calibrated Knobs	Descontinuado CGS8981.75 Descontinuado CGS8982.75
	–	X, Y, Z: 30 mm max	X, Y, Z: 50 µm	–	–	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Calibrated Knobs	CGS8983.75 CGS8984.75
	–	–	–	X, Y, Z: 30 mm max	X, Y, Z: 5 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Bases	Large Calibrated Knobs	CGS8985.75 CGS8986.75
	–	X: 37 mm max, Y, Z: 20 mm max	X, Y, Z: 100 µm	X: 10 mm max	X: 10 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Base	Single Electrode Holder	CGS8987.75 CGS8988.75
	–	X: 37 mm max, Y, Z: 20 mm max	X, Y, Z: 100 µm	X: 10 mm max	X: 10 µm	10, 12 mm, 0.5 in Rod Clamp Tilting Base	Dual Tool/Electrode Holder	CGS8989.75 CGS8990.75
	–	–	–	X, Y, Z: 25 mm max	X, Y, Z: 5 µm	Integrated 25° Tilting Base	Large Spindle Knobs, High Mass for Stability	CGS8991.75
	–	–	–	X, Y, Z: 13 mm max	X: 2 µm	10, 12 mm, 0.5 in Rod Clamp	Precision Micrometers	CGS8992.75
	–	–	–	X, Y, Z: 25 mm max	X: 2 µm	10, 12 mm, 0.5 in Rod Clamp	Precision Micrometers	CGS8993.75
	–	–	–	X, Y, Z: 50 mm max	X: 2 µm	10, 12 mm, 0.5 in Rod Clamp	Precision Micrometers	CGS8994.75