

# LIFE SCIENCE ROBOTICS

## HAMILTON Rack Runner Technical Specifications

		Line RR	RR 720	RR 1820
Dimensions	Height	1700 mm (67 in) (including housing)	700 mm (27.6 in) above desktop	700 mm (27.6 in) above desktop
	Width	380 mm (15 in) (including housing)	270 mm (10.6 in)	270 mm (10.6 in)
	Length	800 to 8500 mm (31 to 335 in)	760 mm (29.9 in)	1910 mm (75.2 in)
	Track Length	Up to 8000 mm (315 in)	720 mm (28.3 in)	1872 mm (73.7 in)
	Track Height	880 mm (34.6 in)	55 mm (2.2 in) above desktop	55 mm (2.2 in) above desktop
Movement Range	Vertical (Z-Tower)	390 mm (15.4 in)		
	Horizontal Arm	250 mm (9.8 in)		
	Rotation	315°		
	Gripper Range	60 mm to 136 mm (2 in to 5 in) for SBS format, portrait and landscape		
	Gripper Height	950 to 1340 mm (37.4 to 52.8 in)	70 to 460 mm (2.8 to 18.1 in) above desktop	70 to 460 mm (2.8 to 18.1 in) above desktop
	Linear Track	420 to 7700 mm (16.5 to 303.1 in)	420 mm (16.5 in)	1450 mm (57.1 in)
Repeatability	Vertical	0.1 mm (0.004 in)		
	Horizontal	0.1 mm (0.004 in)		
	Rotation	0.5°		
	Gripper Range	0.5 mm (0.02 in)		
	Gripper Force	Up to 10 N		
	Linear Track	0.1 mm (0.004 in)		
Dynamic	Speed	2.5 m/s (8.2 ft/s) (linear track)		
	Acceleration	3.0 m/s <sup>2</sup> (9.8 ft/s <sup>2</sup> ) (linear track)		
	Maximum Transport Weight	2 kg (4.4 lbs)		
Operating Conditions	Temperature Range	-20°C to 35°C (excluding control box)		
	Humidity	15% to 85% relative humidity with no condensation		
	Altitude	< 2000 m		
	Power Supply	100 VAC–250 VAC, 15A, 50 to 60 Hz		

