

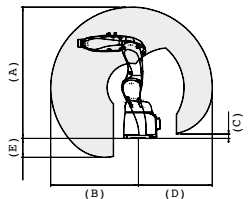
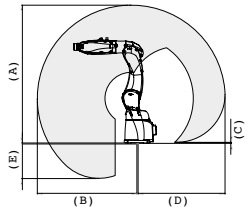
Racer

**Precision and speed
meet beauty and passion**

Racer3
Racer5-0.63
Racer5-0.80



TECHNICAL SPECIFICATIONS

Model		Racer3	Racer5-0.63	Racer5-0.80	Suggested applications
Number of axes		6	6	6	• Assembly • Cosmetic Sealing • Handling / Packaging • Machine Tending • Measuring / Testing • Polishing / Deburring
Maximum wrist payload		3 kg	5 kg*	5 kg	
Additional load on forearm		-	-	-	
Maximum horizontal reach		630 mm	630 mm	809 mm	
Torque on axis 4		7.36 Nm	8.83 Nm	8.83 Nm	
Torque on axis 5		7.36 Nm	8.83 Nm	8.83 Nm	Racer3 Racer5-0.63 
Torque on axis 6		4.41 Nm	4.91 Nm	4.91 Nm	
Stroke (Speed)	Axis 1	+/- 170° (430 °/s)	+/- 170° (400°/s)	+/- 170° (360°/s)	
	Axis 2	-95°/ +135° (450 °/s)	-95°/ +135° (360°/s)	-95°/ +135° (300°/s)	
	Axis 3	-155° / +90° (500 °/s)	-155° / +90° (400°/s)	-155° / +90° (330°/s)	
	Axis 4	+/- 200° (600 °/s)	+/- 200° (500°/s)	+/- 210° (500°/s)	
	Axis 5	+/- 125° (600 °/s)	+/- 125° (500°/s)	+/- 125° (500°/s)	
	Axis 6	+/- 2700° (900 °/s)	+/- 2700° (800°/s)	+/- 2700° (800°/s)	
Repeatability		0.02 mm	0.03 mm	0.03 mm	
Tool coupling flange		ISO 9409 - 1 - A 25	ISO 9409 - 1 - A 25	ISO 9409 - 1 - A 25	
Robot weight		30 kg	30 kg	32 kg	
Protection class		IP54	IP54 (IP65 Option)	IP54 (IP65 Option)	
Mounting position		Floor / Ceiling / Wall	Floor / Ceiling / Wall**	Floor / Ceiling / Wall**	
Operating Areas	A	1081 mm	1081 mm	1124 mm	Racer5-0.80 
	B	630 mm	630 mm	809 mm	
	C	37 mm	37 mm	8 mm	
	D	530 mm	530 mm	708 mm	
	E	136 mm	136 mm	286 mm	

*For Pick&Place 6 kg with a limited stroke of the 5th axis

** Allowable with payload limitations