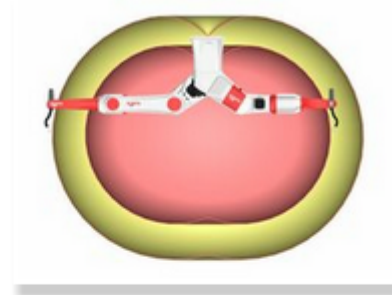


Summary of technical robot data

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	Nominal rotation range	Nominal speed
Axis 1	- 270° / + 270° = 540°	135°/s
Axis 2	- 156° / + 86° = 242°	168°/s
Axis 3	- 155° / + 145° = 300°	191°/s
Axis 4	- 185° / + 185° = 370°	310°/s
Axis 5	- 126° / + 126° = 252°	367°/s
Axis 6	- 370° / + 370° = 740°	471°/s



Mechanical Features	
Nominal Working Range	RTi 456: Ø 3.890 mm with torch type SB399
	RTi 476: Ø 4.290 mm with torch type SB399
	RTi 496: Ø 4.690 mm with torch type SB399
	RTi 459: Ø 3.890 mm with torch type SB399
	RTi 479: Ø 4.290 mm with torch type SB399
	RTi 499: Ø 4.690 mm with torch type SB399
	RTi 477: Ø 4.290 mm with torch type SB399
	RTi 478: Ø 4.690 mm with torch type SB399
Weight	ca. 275 kg (without welding equipment)
Nominal payload on wrist joint	10 kg
collision detection	Electronic collision sensor, integrated into wrist joint
Media transmission	
Welding current	Special transfer unit inside of robot axis 1
Cooling system	Cooling water circuit up to gas nozzle of torch
Cable	guiding Inside, protected
Motore	
Type of motors	Maintenance-free AC servo motors with brakes
Measuring system	resolver