ELITE ROBOTS

EC68-08 | 6-axis Collaborative Robot

EC SERIES

8kg Payload

820mm Radius

±0.03mm Repeatability

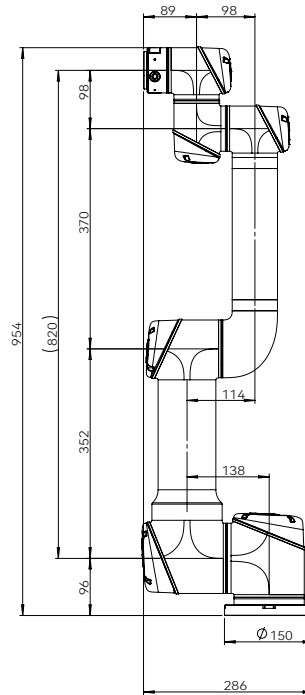**2.5m/s** Max TCP Speed
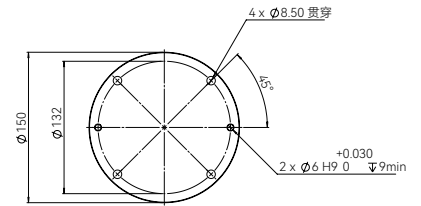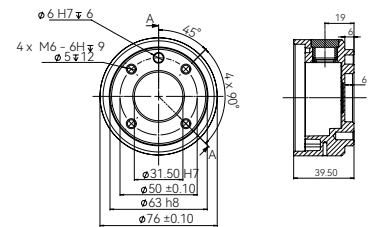
EC68-08

EC SERIES

Robotic Arm

Payload		8kg
Radius		820mm
Repeatability		±0.03mm
Axis		6
Joints rotation	**J1-J6**	±360°
Joints speed	**J1-J2**	150°/s
	J3	190°/s
	J4-J6	260°/s
Max TCP Speed		2.5m/s
IP rating		IP54
Operating Temperature range		0-50 ℃
Relative humidity		5%–95% (non-condensing)
Typical power usage		250w
Mounting		Any angle
Tool I/O connector		12 pin
Tool I/O ports		2 DI, 2 DO, 1 AI, 1 AO
Tool I/O power supply		24 V
Tool I/O communication		RS485
Footprint		Ø 150 mm
Weight		17kg
Material		Aluminum, Steel
Cable length		5.5m
Certifications		EN ISO 10218-1

EC68-08 base top view

EC68-08 external dimensional drawing

EC68-08 end flange
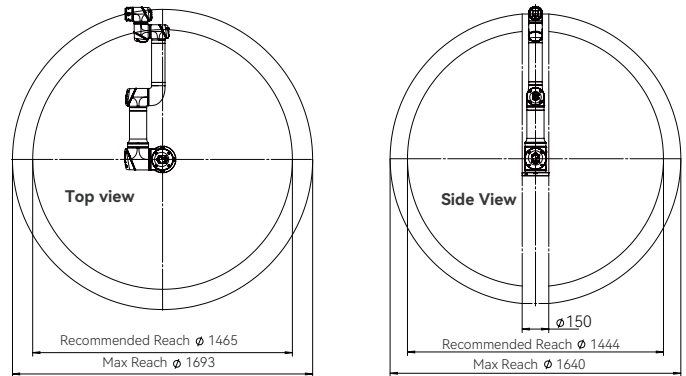
EC68-08 working range diagram

Teach-Pendant

Size	290mm x 225mm x 118mm
Screen display size	8.1"
Resolution	1280 x 800 pixels
Material	Aluminum, Plastic
Weight	1.8 kg
Cable length	5.5 m
IP rating	IP65
Input method	Resistive touch-screen, physical buttons

Controller

Size	505mm x 448mm x 245mm
Material	Aluminum, Steel
IP rating	IP44
I/O ports	16 DI, 20 DO, 2 AI, 4 AO
I/O power supply	24V; 2A (internal)
Communication ports	1 Ethernet port, 1 RS485/RS232, 1 USB 2.0
Communication protocols	TCP/IP, MODBUS TCP/RTU, EtherNet/IP, Profinet, CCLink
Power source	100-240 VAC, 50-60 Hz (M: 19-72VDC)

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