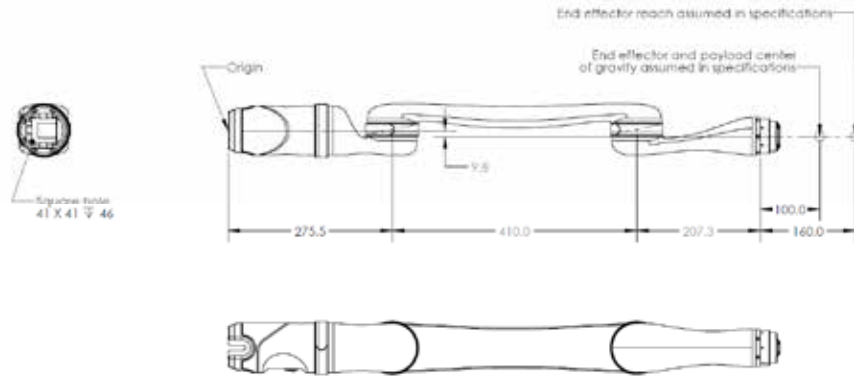


Gen2 Ultra lightweight robot 4 DOF



TECHNICAL SPECIFICATIONS

Total Weight	3.6 Kg
Materials	Carbon Fiber (Links), Aluminum (Actuators)
Payload	4.4 Kg (Mid-range Continuous Payload Capabilities) 3.5 Kg (Full-reach Peak/temporary Payload Capabilities)
Maximum Reach	75 cm
Joint Range After Start-up (Software Limitation)	±27.7 Turns
Maximum Linear Arm Speed	20 cm/s
Power Supply Voltage	18 to 29 Vdc
Average Power	25 W (5w In Standby)
Peak Power	100 W
Communication Protocol	RS485
Communication Cables	20 Pins Flat Flex Cable
2 Expansion Pins On Communication Bus	
Water Resistance	IPx2
Operating Temperature	-10°C to 40°C Expected

CONTROLLER

PORTS

Joystick	1 Mbps CANBUS
Power supply	18 to 29 VDC
USB 2.0 (API)	12 Mbps
Ethernet	Not Available

Control System Frequency 100 Hz (High Level API)

CPU 360 MHz

SDK

APIs	High and low level
Compatibility	Windows, Linux Ubuntu & ROS
Port	USB 2.0
Programming languages	C++

FORCE, CARTESIAN & ANGULAR CONTROL

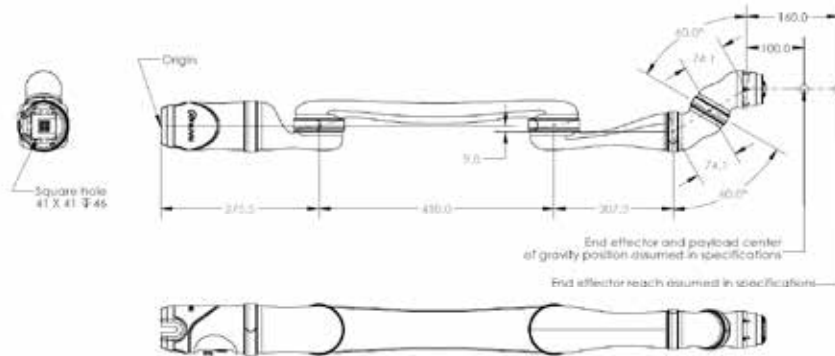
DETAILED SPECIFICATIONS

Actuators #1 & #3	K-75
Actuator #2	K-75+
Actuator #4	K-58

Fabricante: **KINOVA**



Gen2 Ultra lightweight robot 6 DOF



TECHNICAL SPECIFICATIONS

Total Weight	4,4 Kg
Materials	Carbon fiber (links), Aluminum (actuators)
Payload	2.6 Kg (mid-range continuous payload capabilities) 2.2 Kg (full-reach peak/temporary payload capabilities)
Reach	90 cm
Joint Range After Start-up (Software Limitation)	±27.7 Turns
Maximum Linear Arm Speed	20 cm/s
Power Supply Voltage	18 to 29 Vdc
Average Power	25 W (5w In Standby)
Peak Power	100 W
Communication Protocol	RS485
Communication Cables	20 Pins Flat Flex Cable
2 Expansion Pins On Communication Bus	
Water Resistance	IPx2
Operating Temperature	-10°C to 40°C Expected

CONTROLLER

PORTS

Joystick	1 Mbps CANBUS
Power supply	18 to 29 VDC
USB 2.0 (API)	12 Mbps
Ethernet	Not Available

Control System Frequency	100 Hz (High Level API) 500 Hz (Low Level API)
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CPU	360 MHz
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SDK

APIs	High and low level
Compatibility	Windows, Linux Ubuntu & ROS
Port	USB 2.0
Programming languages	C++

FORCE, CARTESIAN & ANGULAR CONTROL

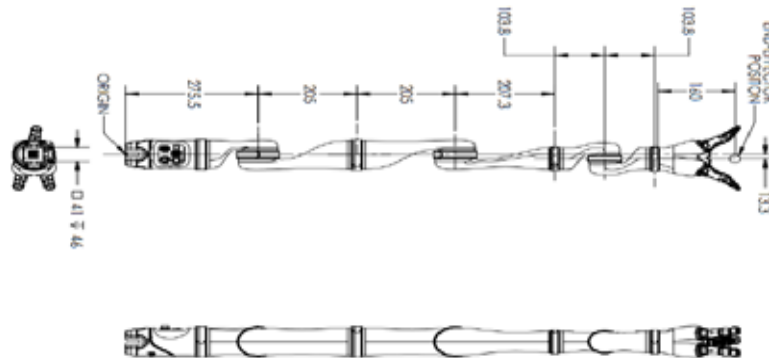
DETAILED SPECIFICATIONS

Actuators #1 & #3	K-75
Actuator #2	K-75+
Actuator #4	K-58

Fabricante: **KINOVA**



Gen2 Ultra lightweight robot Spherical 7 DOF



TECHNICAL SPECIFICATIONS

Total Weight	4,4 Kg
Materials	Carbon fiber (links), Aluminum (actuators)
Payload	2.4 Kg (mid-range continuous payload capabilities) 2.1 Kg (full-reach peak/temporary payload capabilities)
Reach	98.5 cm
Joint Range After Start-up (Software Limitation)	±27.7 Turns
Maximum Linear Arm Speed	20 cm/s
Power Supply Voltage	18 to 29 Vdc
Average Power	25 W (5w In Standby)
Peak Power	100 W
Communication Protocol	RS485
Communication Cables	20 Pins Flat Flex Cable
2 Expansion Pins On Communication Bus	
Water Resistance	IPx2
Operating Temperature	-10°C to 40°C Expected

CONTROLLER

PORTS

Joystick	1 Mbps CANBUS
Power supply	18 to 29 VDC
USB 2.0 (API)	12 Mbps
Ethernet	100 Mbps

Control System Frequency	100 Hz (High Level API) 500 Hz (Low Level API)
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CPU	360 MHz
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SDK

APIs	High and low level
Compatibility	Windows, Linux Ubuntu & ROS
Port	USB 2.0
Programming languages	C++

FORCE, CARTESIAN & ANGULAR CONTROL

DETAILED SPECIFICATIONS

Actuators #1, #2, #3, #4	K-75+
Actuator #5, #6 & #7	K-58



Fabricante: **KINOVA**