

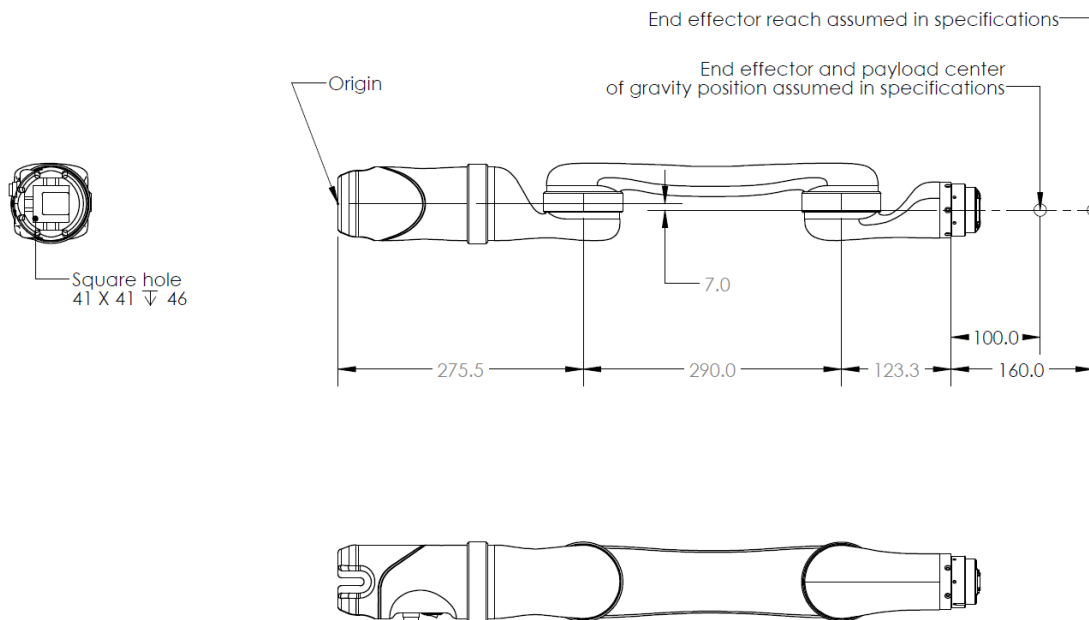
MICO²

4 DOF

Technical specifications



MICO² 4 DOF



GENERAL

TOTAL WEIGHT	3.8 Kg
MATERIALS	Reinforced plastic (links), Aluminum (actuators)
PAYLOAD	5.2 Kg (mid-range continuous payload capabilities) 2.7 Kg (full-reach peak/temporary payload capabilities)
MAXIMUM REACH	55 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

Power supply

USB 2.0 (API)

Ethernet

1 Mbps CANBUS

18 to 29 VDC

12 Mbps

Not Available

CONTROL SYSTEM FREQUENCY

100 Hz (High Level API)

500 Hz (Low 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, #2 & #3

K-75

ACTUATOR #4

K-58



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