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scan the QR code below
for further information
about the qb SoftHand



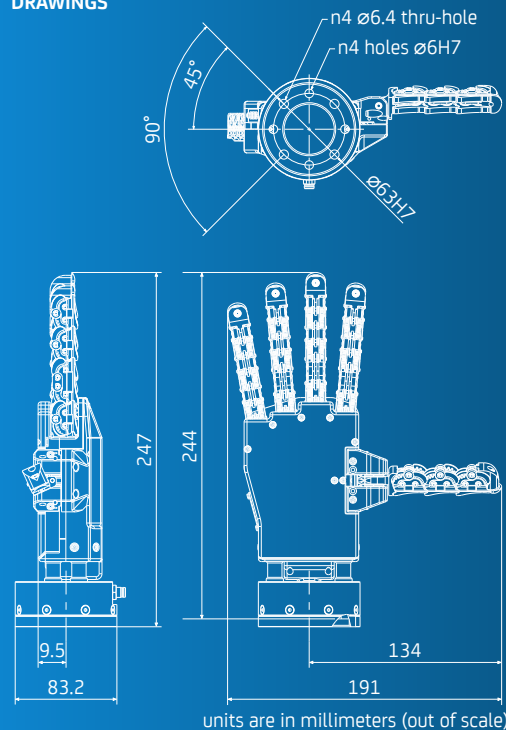
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RESEARCH

[datasheet](#)



DRAWINGS



technical data

MECHANICAL	UNIT	NOMINAL	MIN	MAX
weight	[kg]	0.77	—	—
joints	[#]	19	—	—
motor	[#]	1	—	—
power grasp payload	[kg]	—	—	2.1
pinch grasp payload	[kg]	—	—	1.1
hanging payload	[kg]	—	—	5.0
full closing time	[s]	—	—	1.1

INERTIAL ¹	UNIT	X	Y	Z
center of mass, open	[mm]	2.7	82.9	-0.5
center of mass, closed	[mm]	1.3	76.6	3.5

¹ all values refer to the right version, mirrors the x value for the left one

RESILIENCE	UNIT	1-FINGER	4-FINGER	5-FINGER
impact energy	[J]	98	98	19
impact speed	[m/s]	4.7	4.7	—
impact force	[N]	—	—	200

ENVIRONMENTAL	UNIT	NOMINAL	MIN	MAX
operating temperature	[°C]	20	-5	50
storage temperature	[°C]	—	-20	50
noise level	[dB]	62	44	72

ELECTRICAL	UNIT	NOMINAL	MIN	MAX
operating voltage	[V]	24	23.1	24.8
power consumption	[W]	18	1.4	30

CONTROL

communication protocol: RS485

FEATURES

- plug-and-play
- soft, human-like fingers
- right and left versions
- different cover colours

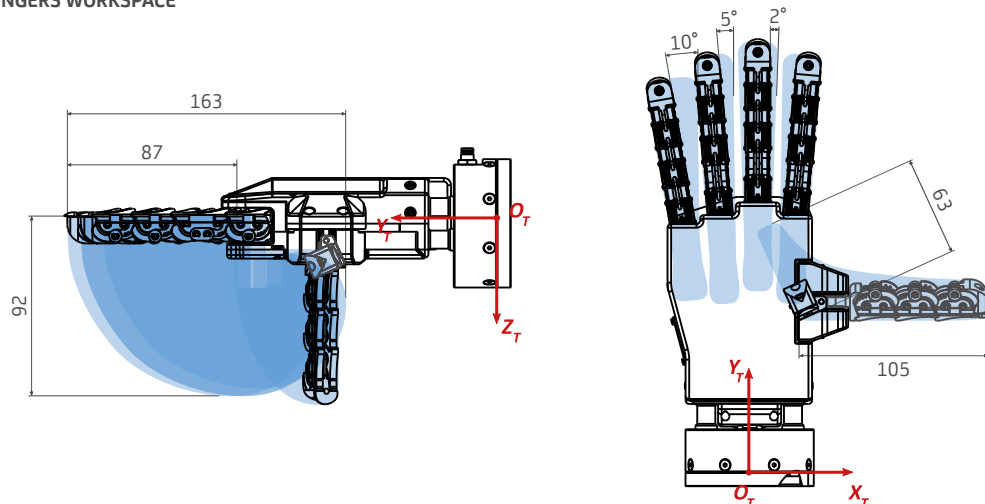
NORMATIVE COMPLIANCE

ISO 9409-1-31.5-4-M5 ISO 9409-1-40-4-M6
 ISO 9409-1-50-4-M6

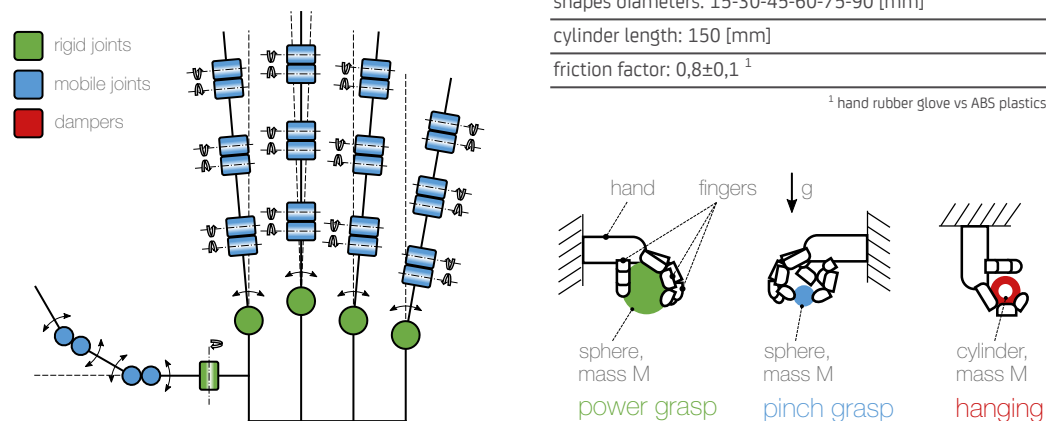


additional technical data

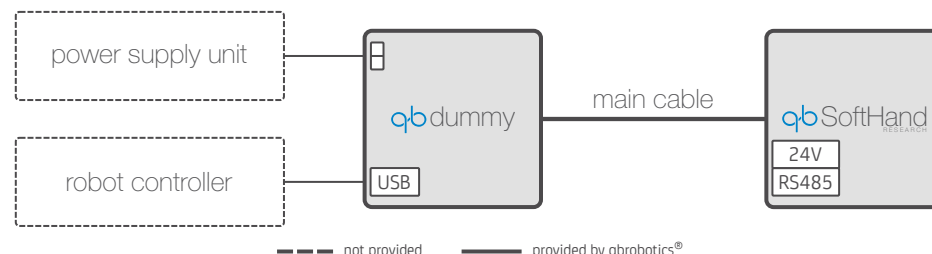
FINGERS WORKSPACE



KINEMATICS

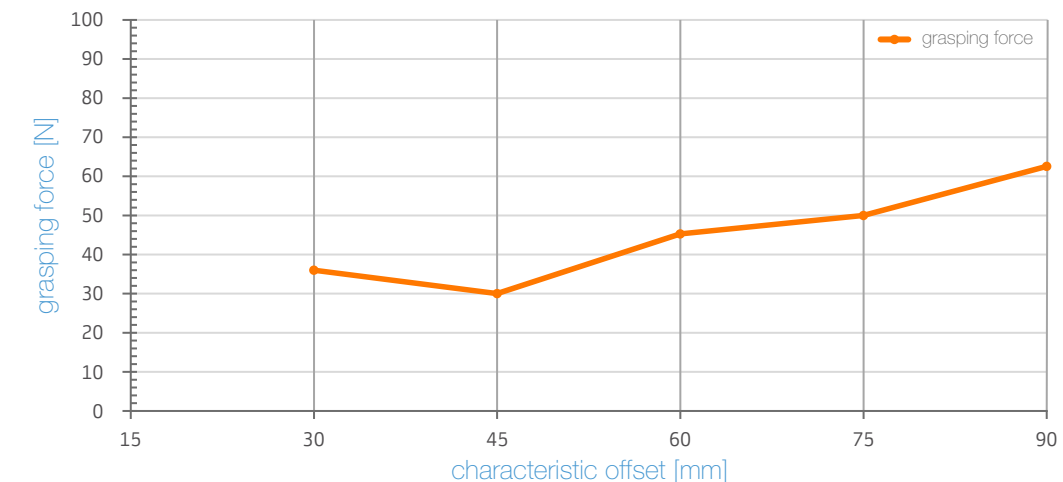


ELECTRICAL CONNECTIONS

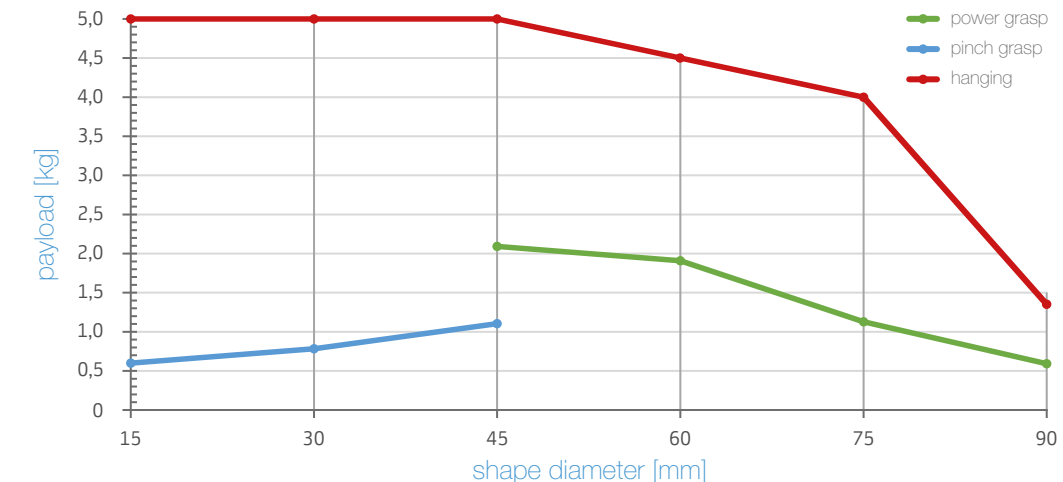


MAXIMUM GRASPING FORCE CHART *

* tests have been carried out using Commander Echo grip tester CM306



MAXIMUM PAYLOAD CHART



CONNECTOR PIN-OUT

