

qbrobotics*

gbrobotics.cor

Via Mario Giuntini 13 56023, Navacchio - Cascina (PI) Italy CF/PI IT01702710490 REA PI-177959 scan the QR code below for further information about the qb SoftHand

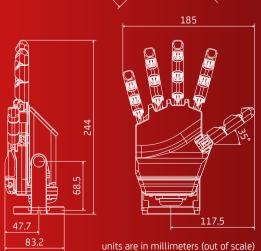








DRAWINGS -n4 ø6.4 thru-hole



MECHANICAL	UNIT	NOMINAL	MIN	MAX
weight	[kg]	0.99	_	_
wrist mounting range	[deg]	_	0	90
wrist mounting resolution	[deg]	7.5	_	_
power grasp payload	[kg]	_	_	2.0
pinch grasp payload	[kg]	_	_	0.6
hanging payload	[kg]	_	_	5.0
full closing time	[s]	_	_	1.2

INERTIAL 1	UNIT	Х	Υ	Z
center of mass, open	[mm]	2.4	80.5	14.3
center of mass, closed	[mm]	1.1	75.3	17.5
¹ all values refer to the right version, mirrows the x value for the left one				

ENVIRONMENTAL	UNIT	NOMINAL	MIN	MAX
operating temperature	[°C]	20	-5	50
storage temperature	[°C]	_	-20	50
noise level	[dB]	52	40	61

ELECTRICAL	UNIT	NOMINAL	MIN	MAX
operating voltage	[V]	24	12	50
power consumption	[W]	13	3	15

CONTROL

communication protocols: EtherCAT, UDP, Digital I/Os

FEATURES

plug-and-play

soft, human-like fingers

right and left versions

adjustable wrist mounting position

splash, water, and dust resistance: IP65

interchangeable gloves for special applications

² external driver for best integration

NORMATIVE COMPLIANCE

ISO 12100 ISO/TS 15066

ISO 13849-1/-2 ISO 10218-1/-2

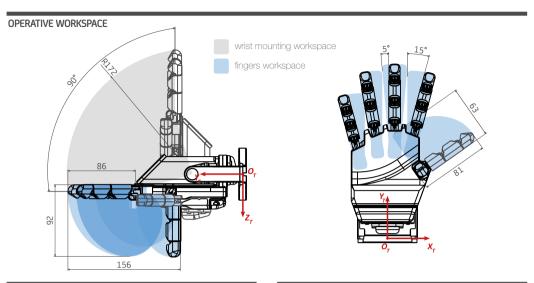
ISO 9409-1-50-4-M6 ISO/TR 20218-1 IEC 60529





IEC 61000-6-2/-6-4

additional technical data



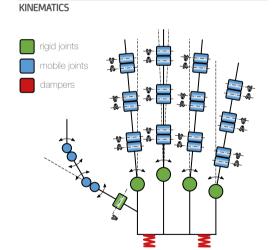
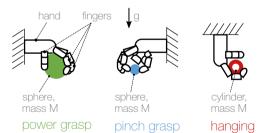
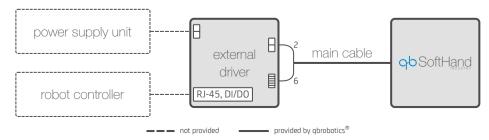


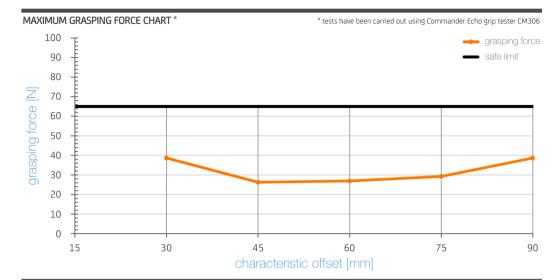
CHART NOTES shapes diameters: 15-30-45-60-75-90 [mm] cylinder length: 150 [mm] friction factor: 0,8±0,1 1 safe limits are intended w.r.t. ISO/TS 15066 ^{2,3} ¹ hand rubber glove vs ABS plastics

² maximum stopping acceleration = 30m/s² ³ restricted objects are detailed in the user manual

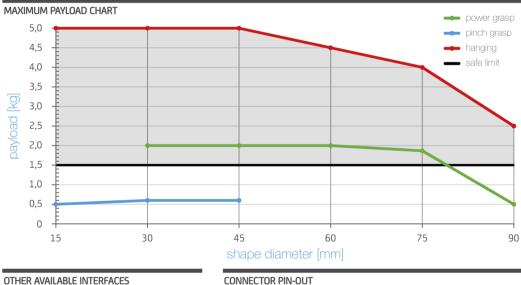


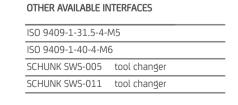
ELECTRICAL CONNECTIONS

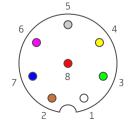




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#	WIKE COLOR	PURPUSE
1	white	SSI 5 VDC
2	brown	SSI GND
3	green	SSI clock +
4	yellow	SSI clock -
5	grey	SSI data +
6	pink	SSI data -
7	blue	motor phase
8	red	motor phase