

qbrobotics®

qbrobotics.com

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scan the QR code below
for further information
about the qbSoftClaw



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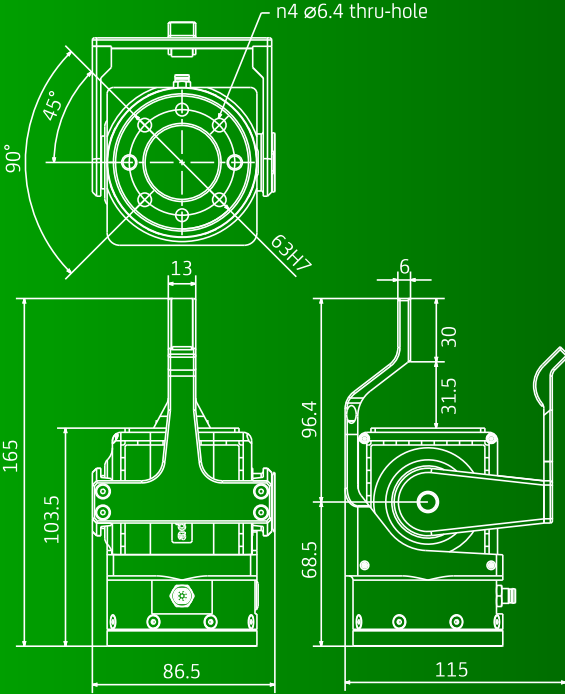
qbSoftClaw

[datasheet](#)





DRAWINGS



units are in millimeters (out of scale)

MECHANICAL	UNIT	VALUE
weight	[kg]	0.86
mobile finger stiffness	[N/mm]	0.07 ... 11.50
max grasping force	[N]	75.0
max payload	[kg]	5.0
full closing time	[s]	0.5
fingers opening	[mm]	45
fixed finger deflection	[mm]	0.6

tolerance ±0.2mm

INERTIAL	UNIT	X	Y	Z
center of mass	[mm]	-1.0	1.0	53
tool center point	[mm]	0.0	8.0	142

ENVIRONMENTAL	UNIT	VALUE
operating temperature	[°C]	-5 ... 50
storage temperature	[°C]	-20 ... 50
max noise level	[dB]	86
IP grade	[-]	54

ELECTRICAL	UNIT	VALUE
operating voltage	[V]	24 ± 0.8
power consumption	[W]	3 ... 22

CONTROL

communication protocols: RS485, Digital Inputs
control modalities: Deflection, Position/stiffness

FEATURES

plug-and-play
ROS & ROS 2 packages
variable stiffness grasp
adaptive grasp
fixed finger for special tasks
removable and customizable fingers

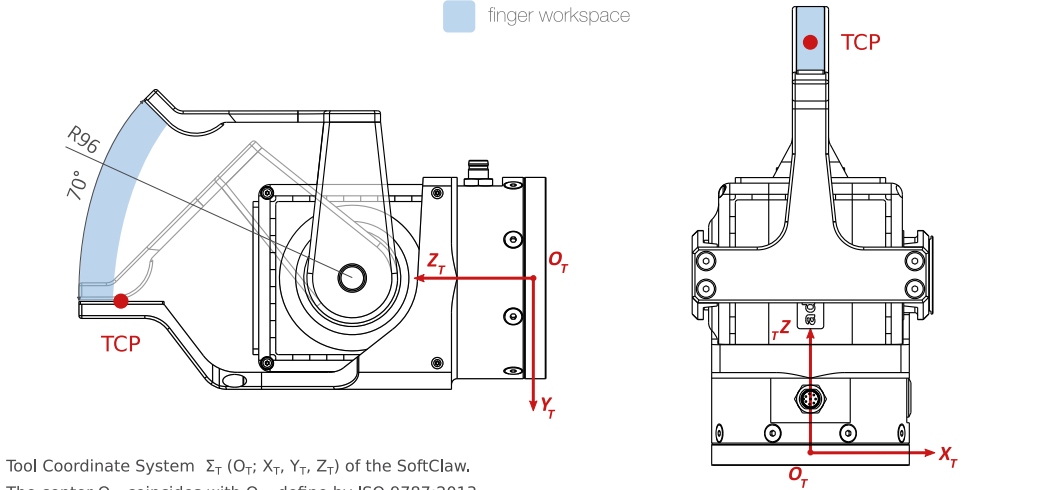
NORMATIVE COMPLIANCE

ISO 12100	ISO/TS 15066
IEC 61000-6-2/6-4	ISO 9409-1-50-4-M6

Visit the product page for robot compatibility

additional technical data

OPERATIVE WORKSPACE



REMOVABLE AND CUSTOMIZABLE FINGERS

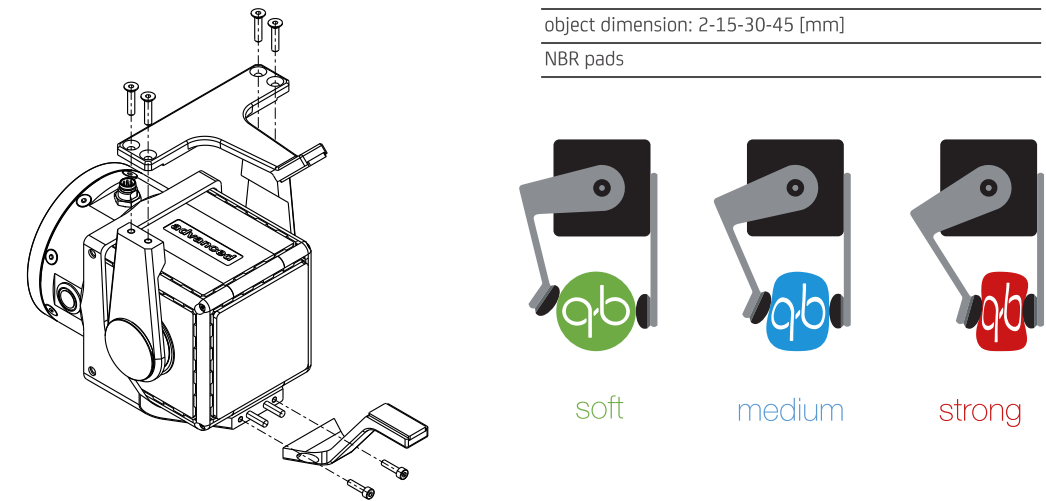
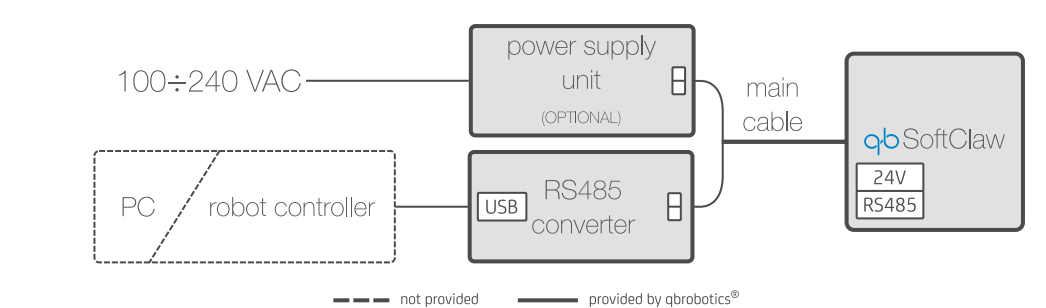


CHART NOTES

object dimension: 2-15-30-45 [mm]
NBR pads

ELECTRICAL CONNECTIONS

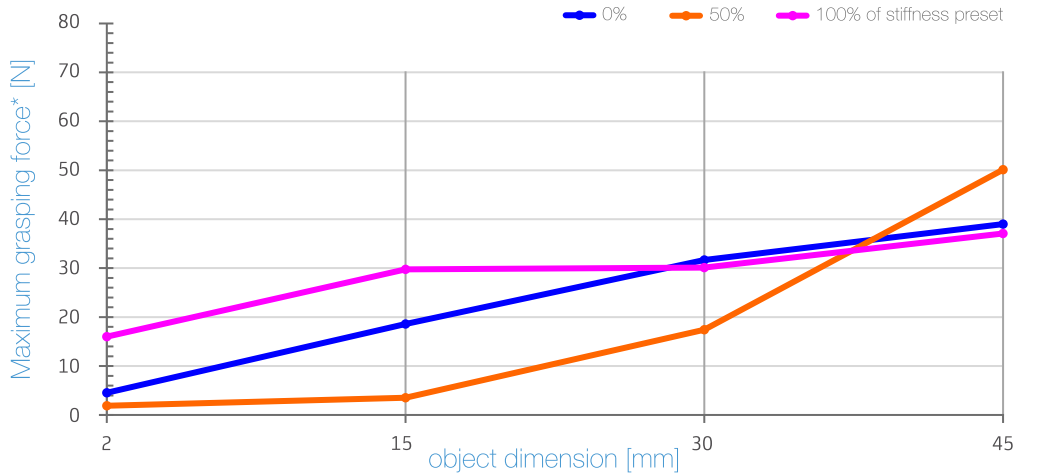


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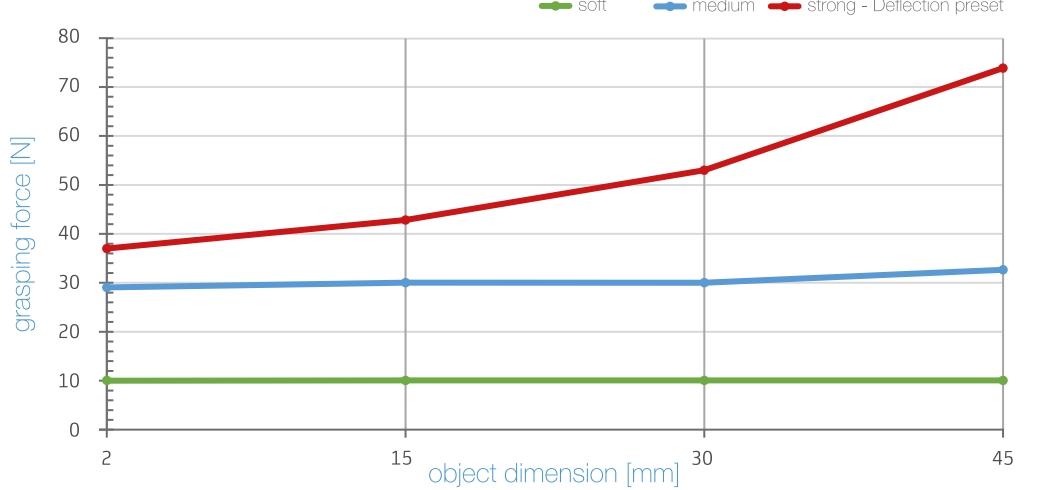
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GRASPING FORCE IN POSITION/STIFFNESS CONTROL

* Position reference: fully closed



GRASPING FORCE IN DEFLECTION CONTROL



OTHER AVAILABLE INTERFACES

ISO 9409-1-31.5-4-M5
ISO 9409-1-40-4-M6
SCHUNK SWS-007 tool changer
SCHUNK SWS-011 tool changer
KINOVA GEN 3

M8 CONNECTOR PIN-OUT

#	WIRE COLOR	PURPOSE
1	white	RS485 +
2	brown	RS485 -
3	green	—
4	yellow	Digital output
5	grey	24V DC
6	pink	Digital input 2
7	blue	Digital input 1
8	red	GND