

2-JAW PARALLEL GRIPPERS

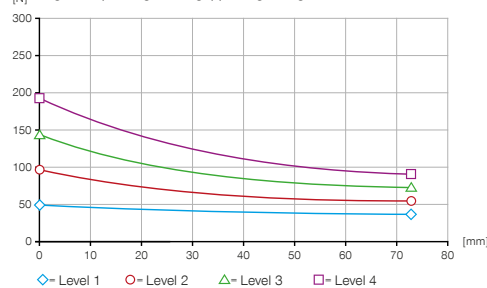
HRC-03-117137

PRODUCT SPECIFICATIONS



Gripping force diagram

Shows the arithmetic total of the individual forces that occur on the gripper fingers, depending on the gripper finger length



Forces and moments

Displays static forces and moments that can also have an effect, besides the gripping force.



Mr [Nm]	7
Mx [Nm]	7
My [Nm]	5.5
Fa [N]	200

TECHNICAL DATA

Order no.	HRC-03-117137
Suitable for robot type	Rethink Sawyer
MRK design according to ISO/TS 15066	Yes
HRC form	collaborative
Cable management	internal
Type of drive	electrical
Control	I/O
Integrated position sensing	digital
Stroke per jaw [mm]	10
Self locking mechanism	mechanical
Gripping force in closing (adjustable) max. [N]	190
Gripping force in opening (adjustable) max. [N]	190
Gripping force in accordance with ISO/TS 15066 [N]*	<140
Closing time [s]	0.19
Opening time [s]	0.19
Control time [s]	0.03
Dead weight of mounted gripper finger max. [kg]	0.1
Length of the gripper fingers max. [mm]	80
Repetition accuracy +/- [mm]	0.05
Operating temperature [°C]	5 ... +50
Voltage [V]	24
Current consumption max. [A]	1
Minimum positioning path per jaw [mm]	0.5
Protection to IEC 60529	IP40
Weight [kg]	0.72

*Value based on the parameters described in the ISO/TS 15066, determined with a force measuring device certified by the DGUV (German Social Accident Insurance)

TECHNICAL DRAWINGS

- ② Energy supply
- ③ Fixing for gripper finger
- ④ Gripping force setting
- ④ Emergency release
- ⑤ Fixing for gripper finger
- ⑤ Robot mount
- ⑥ Status display

