

2-JAW PARALLEL GRIPPERS

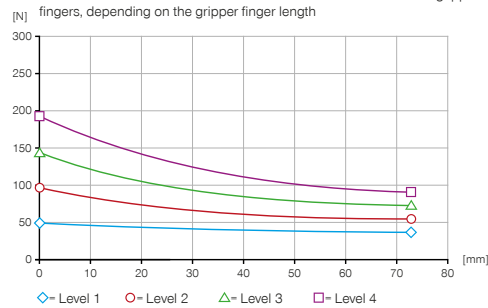
HRC-03-080663

▶ PRODUCT SPECIFICATIONS



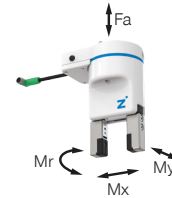
▶ Gripping force diagram

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-03-080663 |
|---|--------------------------|
| Suitable for robot type | Yaskawa HC10 / HC10 DT** |
| HRC design according to ISO/TS 15066 | Yes |
| HRC form | collaborative |
| Cable management | internal |
| Type of drive | electrical |
| Control | IO-Link |
| Integrated position sensing | Using process data |
| 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 |
| Permissible weight per jaw max [kg] | 0.1 |
| Length of the gripper fingers max. [mm] | 80 |
| Repetition accuracy +/- [mm] | 0.05 |
| Operating temperature [°C] | 5 ... +60 |
| Voltage [V] | 24 |
| Current consumption max. [A] | 1 |
| Minimum positioning path per jaw [mm] | 0.5 |
| Protection to IEC 60529 | IP40 |
| Weight [kg] | 0.9 |

* 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)

** Adapter plates required for HC10: APR000026 + APR000027 / Adapter plate required for HC10 DT: APR000027

▶ TECHNICAL DRAWINGS

