## Three fingers type

| Basic specifications |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Model name |  | YRG-2013T | YRG-2820T | YRG-4230T |
| Model number |  | KCF-M2015-B0 | KCF-M2015-C0 | KCF-M2015-D0 |
| Holding power | Max. continuous rating (N) | 2 | 10 | 20 |
|  | Min. setting (\% (N)) | 30 (0.6) | 30 (3) | 30 (6) |
|  | Resolution (\% (N)) | 1 (0.02) | 1 (0.1) | 1 (0.2) |
| Open/close stroke (mm) |  | 13 | 20 | 30 |
| Speed | Max. rating (mm/sec) | 100 |  |  |
|  | Min. setting (\% (mm/sec)) | 20 (20) |  |  |
|  | Resolution (\% (mm/sec)) | 1 (1) | 1 (1) | 1 (1) |
|  | Holding speed (Max.) (\%) | 50 | 50 | 50 |
| Repetitive positioning accuracy (mm) |  | +/-0.03 |  |  |
| Guide mechanism |  | Linear guide |  |  |
| Max. holding weight ${ }^{\text {Note } 1}(\mathrm{~kg})$ |  | 0.02 | 0.1 | 0.2 |
| Weight (g) |  | 190 | 340 | 640 |

- Hoding power control: 30 to $100 \%$ ( $1 \%$ steps) • Speed control : 20 to $100 \%$ ( $1 \%$ steps)
- Acceleration control : 1 to $100 \%$ ( $1 \%$ steps) • Multipoint position control : 10,000 max

Note. Design the finger as short and lightweight as possible.
Note. Set the parameters and holding power (\%) of the holding movement command so that any excessive shock is not applied to the finger during operation.
Note. When installing or uninstalling the finger, tighten the bolts while the finger is being held securely so that any excessive force or shock is not applied to the guide block Note. Workpiece weight that is able to be held may greatly vary depending on the material, shape, and/or holding surface conditions of the finger.
Note 1. Design the weight of a workpiece to be held so that it is approximately $1 / 10$ to $1 / 20$ of the holding power. (Consider further allowance when moving and swinging the gripper that keeps holding a workpiece.)

Gripping power vs. gripping power setting (\%)



- Graph shows a general guide to gripping power versus gripping power setting (\%). Variations will appear in the actual gripping power.


## Allowable load and load moment




