

variables/V-color

## **Gripper | Parallel 3 jaws | CH83**







## Feature

### CH83

|                                      |                      |
|--------------------------------------|----------------------|
| <b>Course</b>                        | 10 mm                |
| <b>Air consumption</b>               | 7800 mm <sup>3</sup> |
| <b>Function</b>                      | Double effet         |
| <b>Max cycle per minute</b>          | 90 cycles            |
| <b>Gripping force*</b>               | 348.000 N            |
| <b>Weight</b>                        | 0.720 kg             |
| <b>Max. weight of one attachment</b> | 0.080 kg             |
| <b>Type</b>                          | Parallel 3 jaws      |



## Operating conditions

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| <b>Working media</b>       | Filtered air                                                              |
| <b>Operating pressure</b>  | 3 to 7 bar                                                                |
| <b>Working temperature</b> | 5 to 60°C                                                                 |
| <b>Lubrication</b>         | Normally not required (but if necessary, use ISOVG32 compliant lubricant) |
| <b>Repeatability*</b>      | Initial value : $\pm 0.1$ mm, after 2 million cycles : $\pm 0.2$ mm       |
| <b>Lifetime</b>            | 2 million cycles (with balanced load on each finger)                      |

# Compact 3-Jaws Parallel type Cylindrical Gripper, stroke from 6 to 10mm

\*The values of gripping force in the above table indicates pressure at the top edge of the fingers when gripping with pressure of 5 bar.

**Notice :** The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

They are suited to receives long attachments thanks to fingers guide length.



## Advantages

- Compact-Lightweight-Fast
- Silent mechanism
- Quick and simple integration
- Large opening angle
- Position sensors



## Benefits

- No maintenance
- Very short cycle time
- Excellent power/volume ratio
- Low air consumption



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