



This miniature parallel gripper is specially designed for handling extremely small parts while providing long strokes.

Main parts are made of the stainless steel and provide tapered holes on the 5 sides of the unit for easy mounting.

Feature

CHP642-NO	
Course	7 mm
Air consumption	280 mm ³
Function	Normal open
Max cycle per minute	90 cycles
Gripping force*	19.000 N
Weight	0.098 kg
Max. weight of one attachment	0.015 kg
Type	Parallel 2 jaws

Operating conditions

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

PARALLEL TYPE SMALL GRIPPER, STROKE FROM 3 TO 7MM

*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.

Our wide range of 2-jaws parallel grippers can be used for chucking extremely small parts to biggest ones. Indeed, NKE 2-jaws grippers are available in various sizes, gripping forces and strokes.



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



pes

product
engineering
services

Zoning de la Rivière, 65
7330 Saint-Ghislain (Belgium)

T : +32 (0)65 76 40 40
E : service@pes-sa.com