



## NHC Parallel Type Pneumatic Grippers

Designed for high rigidity and high accuracy chucking and gripping. This series is 40% lighter in weight and 45% smaller in physical dimension than previous models of the same bore and stroke. Robots take advantage of this series by reducing the effect of overall payload for end of arm effectors (EOATS). Use of high-rigidity linear guides achieves repeatability of  $\pm 0.01\text{mm}$  [ $\pm 0.0004$  in.] or less. Centering accuracy is also  $\pm 0.07$  mm [ $\pm 0.0028$  in.] or less.

- Parallel Type with High Precision, Preloaded Linear Guides
- Dowel Locating Holes Standard for Precision Installations
- Utilizes Standard Integrated 4 mm Sensor Groove
- Most Compact Envelope
- Lightest Weight
- RoHS Compliance

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

### Operations

Double Acting Parallel Linear Guide

NHC Parallel Type Pneumatic Grippers												
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Model	Operation	Bore mm	Stroke Open/Close mm [in]	Repeatability mm [in]	Centering Accuracy mm [in]	Port Size metric [imperial]	Max Grip Point Length mm [in]	Effective Gripping Force*		Max Frequency cycle / min	Pressure Range MPa [psi]	Temperature Range °C [°F]
								Close N [lbf]	Open N [lbf]			
NHC1D	Double Acting Parallel Linear Guide	10	4 [0.16]	0.01 [0.0004]	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	11 [2.5]	17 [3.8]	180	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHC1D	Double Acting Parallel Linear Guide	16	6 [0.24]	0.01 [0.0004]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	35 [7.9]	46 [10.3]	180	0.12 - 0.7 [17.4 - 101.5]	0 - 60 [32 - 140]
NHC1D	Double Acting Parallel Linear Guide	20	10 [0.39]	0.01 [0.0004]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	49 [11]	65 [14.6]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
NHC1D	Double Acting Parallel Linear Guide	25	14 [0.55]	0.01 [0.0004]	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	86 [19.3]	111 [25]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]

\* @ 0.5 MPa / 72.5 psi and 30 mm gripping point length