



## NHE Series 3-Finger Type Pneumatic Grippers

Three individual sets of linear guides provide the best rigidity to torque moments available for a 3-finger gripper. Centering accuracy is  $\pm 0.05$  mm [ $\pm 0.0020$  in.] or less. Gripping position repeatability is  $\pm 0.01$  mm [ $\pm 0.0004$  in.] or less. A hollow shaft makes this product perfect for adding a separate cylinder for workpiece removal.

- 3 Finger Parallel Type with High Precision Preloaded Linear Guide
- Hollow Shaft in Center for Mounting Sensors or Ejection Cylinder
- Utilizes Standard Integrated 4 mm Sensor Groove
- Double Acting and Mechanical Versions Available
- Locating Holes Standard for Precision Installation
- 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 3-Finger Linear Guide

Single Acting NC 3-Finger Linear Guide Mechanical

## NHE Series 3-Finger 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]			
NHE1D	Double Acting 3-Finger Linear Guide	16	6 [0.24]	0.01 [0.0004]	0.05 [0.002]	M5 x 0.8 [upon request]	Consult Factory	8 [1.8]	8 [1.8]	180	0.25 - 0.7 [36.3 - 101.5]	0 - 60 [32 - 140]
NHE1D	Double Acting 3-Finger Linear Guide	20	10 [0.39]	0.01 [0.0004]	0.05 [0.002]	M5 x 0.8 [upon request]	Consult Factory	16 [3.6]	16 [3.6]	180	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHE1D	Double Acting 3-Finger Linear Guide	25	14 [0.55]	0.01 [0.0004]	0.05 [0.002]	M5 x 0.8 [upon request]	Consult Factory	29 [6.5]	29 [6.5]	180	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
NHE2	Single Acting NC 3-Finger Linear Guide Mechanical	16	6 [0.24]	0.01 [0.0004]	0.05 [0.002]	N/A	Consult Factory	7 [1.6]	N/A	180	N/A	0 - 120 [32 - 248]
NHE2	Single Acting NC 3-Finger Linear Guide Mechanical	20	10 [0.39]	0.01 [0.0004]	0.05 [0.002]	N/A	Consult Factory	17 [3.8]	N/A	180	N/A	0 - 120 [32 - 248]
NHE2	Single Acting NC 3-Finger Linear Guide Mechanical	25	14 [0.55]	0.01 [0.0004]	0.05 [0.002]	N/A	Consult Factory	26 [5.8]	N/A	180	N/A	0 - 120 [32 - 248]

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

Focused on providing industry leading pneumatic, fluid handling, and electrical automation components and assemblies for the OEM market | Think KOGANEI