

## NDA / HNSA Series Knock Cylinders



Our innovative design can mount to a panel utilizing simple built-in wrench flats. This allows OEM engineers to design and install some of the most compact pneumatic circuits on the market today. Take advantage of miniaturization by ordering the threaded insert model that allows the entire head side of the cylinder to be integrated into a manifold, exposing only the rod thread length making this one of the smallest overall dimension cylinder on the market

- Total Length As Short As Possible
- Non-ion Specification
- I and Y Type Knuckles Available
- 5 Mounting Options
- Optional Sensor Switch
- 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

Single Acting Push

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Model	Operation	Bore mm	Standard Strokes mm [in]	Max Stroke mm [in]	Port Size metric [imperial]	Max Force - Push N [lbf]	Max Force - Pull N [lbf]	Speed Range mm/s [in/s]	Pressure Range MPa [psi]	Temperature Range °C [°F]
NDA	Double Acting	6	5 - 20 [upon request]	20 [0.8]	M5 x 0.8 [10-32 UNF]	19.8 [4.5]	14.8 [3.3]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
NDA	Double Acting	10	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [10-32 UNF]	55 [12.4]	41.2 [9.3]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
NDA	Double Acting	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [10-32 UNF]	141 [32]	120 [27]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
NSA / HNSA	Single Acting Push	6	5 - 15 [1/4 - 1/2]	15 [0.6]	M5 x 0.8 [10-32 UNF]	16.4 [3.7]	3.4 [0.8]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NSA / HNSA	Single Acting Push	10	5 - 15 [1/4 - 1/2]	15 [0.6]	M5 x 0.8 [10-32 UNF]	47.6 [10.7]	7.4 [1.7]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
NSA / HNSA	Single Acting Push	16	5 - 15 [1/4 - 1/2]	15 [0.6]	M5 x 0.8 [10-32 UNF]	126 [28]	14.7 [3.3]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

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