

NHB-S / HNHB-S Series Swing Type Grippers

Perform wide gripping applications with an open range up to 30 degrees. Units weighing as little as 40 grams contribute to the weight reduction for robotic end of arm tooling. Sensor switches are available along with mounting brackets to meet your design envelope and positioning.

- Swing Type
- High Precision Options
- Utilizes Standard Integrated 4 mm Sensor Groove
- Double and Single Acting Options
- Multiple Mounting Options for Easy Integration
- 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 Swing

Double Acting Swing 180 Degree

Double Acting Swing High Precision 180 Degree

Single Acting Normally Open Swing

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Model	Operation	Bore mm	Stroke Open/Close degrees	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]			
NHBDS / HNHBDS	Double Acting Swing	8	-10° - +30°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	30 [1.181]	1.28 [0.3]	213 [0.5]	100	0.22 - 0.7 [31.9 - 101.5]	0 - 60 [32 - 140]
NHBDS / HNHBDS	Double Acting Swing	10	-10° - +30°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	30 [1.181]	2.41 [0.5]	3.83 [0.9]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
NHBDS / HNHBDS	Double Acting Swing	16	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	40 [1.575]	12.75 [2.9]	17 [3.8]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
NHBDS / HNHBDS	Double Acting Swing	20	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	60 [2.362]	24.08 [5.4]	32.58 [7.3]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
NHBDS / HNHBDS	Double Acting Swing	25	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	70 [2.756]	48.17 [10.8]	62.33 [14]	180	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing 180 Degree	12	-10° - +180°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	40 [1.575]	7.05 [1.6]	Consult Factory	100	0.2 - 0.7 [29.0 - 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

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Model	Operation	Bore mm	Stroke Open/Close degrees	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]			
NHBDSL	Double Acting Swing 180 Degree	16	-6° - +180°	Consult Factory	Consult Factory	M5 x 0.8 [upon request]	80 [3.15]	19.2 [4.3]	Consult Factory	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing 180 Degree	20	-6° - +180°	Consult Factory	Consult Factory	M5 x 0.8 [upon request]	100 [3.937]	34.65 [7.8]	Consult Factory	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing 180 Degree	25	-10° - +180°	Consult Factory	Consult Factory	M5 x 0.8 [upon request]	60 [2.362]	78.75 [17.7]	Consult Factory	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing High Precision 180 Degree	12	-6° - +180°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	Consult Factory	0.8 [0.2]	0.97 [0.2]	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing High Precision 180 Degree	16	-6° - +180°	Consult Factory	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	2.13 [0.5]	1.83 [0.4]	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBDSL	Double Acting Swing High Precision 180 Degree	20	-6° - +180°	Consult Factory	Consult Factory	M5 x 0.8 [upon request]	Consult Factory	3.77 [0.8]	3.17 [0.7]	100	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBRS / HNHBR	Single Acting Normally Open Swing	8	-10° - +30°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	30 [1.181]	0.57 [0.1]	0.71 [0.2]	100	0.36 - 0.7 [52.2 - 101.5]	0 - 60 [32 - 140]
NHBRS / HNHBR	Single Acting Normally Open Swing	10	-10° - +30°	Consult Factory	Consult Factory	M3 x 0.5 [upon request]	30 [1.181]	1.45 [0.3]	0.96 [0.2]	180	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
NHBRS / HNHBR	Single Acting Normally Open Swing	16	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	40 [1.575]	9.97 [2.2]	2.78 [0.6]	180	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBRS / HNHBR	Single Acting Normally Open Swing	20	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	60 [2.362]	18.28 [4.1]	5.81 [1.3]	180	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
NHBRS / HNHBR	Single Acting Normally Open Swing	25	-10° - +30°	Consult Factory	Consult Factory	M5 x 0.8 [10-32 UNF]	70 [2.756]	38.16 [8.6]	10 [2.2]	180	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

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