



## MGA Series Mini Guide Sliders

The Stainless Steel tabletop of each unit is heat treated and ground for a precision finish. A 4-point contact linear guide is integrated directly into the body. A locating dowel pin hole provides quick installation.

- Double Acting Slide with Precision, Pre-loaded Integrated Guide
- Sensor Rail and Piping Direction Are Field Changeable
- RoHS Compliance
- 14 Configurations, Including Stroke Adjustment and End Keeps
- Integrated Guide Rail Allows for Compact Envelope

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  
Double Acting Side-Mounted

Double Acting Extended / Retracted Side Stroke Adjusting  
Double Acting with Buffer

Double Acting Extended Side Stroke Adjusting  
Double Acting with End Keep

Double Acting Rear Piping

## MGA Series Mini Guide Sliders

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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]
MGA	Double Acting	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	30.2 [6.8]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	20 - 500 [0.8 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	16	10 - 100 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	121 [27]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]

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MGA	Double Acting	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	25	10 - 150 [upon request]	150 [5.9]	M5 x 0.8 [upon request]	343 [77]	289 [65]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGA	Double Acting	32	10 - 150 [upon request]	150 [5.9]	Rc 1/8 [upon request]	563 [127]	484 [109]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.25 - 0.7 [36.3 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.25 - 0.7 [36.3 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	30.2 [6.8]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	16	10 - 100 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	121 [27]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAE	Double Acting Extended / Retracted Side Stroke Adjusting	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.25 - 0.7 [36.3 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.25 - 0.7 [36.3 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	30.2 [6.8]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

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MGAP	Double Acting Extended Side Stroke Adjusting	16	10 - 100 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	121 [27]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAP	Double Acting Extended Side Stroke Adjusting	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	30.2 [6.8]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	16	10 - 100 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	121 [27]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGA...H	Double Acting Rear Piping	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGAL	Double Acting Side-Mounted	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAL	Double Acting Side-Mounted	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAL	Double Acting Side-Mounted	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	30.2 [6.8]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAL	Double Acting Side-Mounted	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAG	Double Acting with Buffer	4.5	5 - 10 [upon request]	10 [0.4]	M3 x 0.5 [upon request]	11.1 [2.5]	9 [2]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAG	Double Acting with Buffer	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.7 [4.4]	14.8 [3.3]	30 - 500 [1.2 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

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MGAG	Double Acting with Buffer	10	5 - 50 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	46.1 [10.4]	30 - 500 [1.2 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
MGAG	Double Acting with Buffer	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
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MGAG	Double Acting with Buffer	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	20 - 500 [0.8 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
MGAA...K	Double Acting with End Keep	12	10 - 80 [upon request]	80 [3.1]	M5 x 0.8 [upon request]	79.1 [17.8]	65.4 [14.7]	20 - 500 [0.8 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAA...K	Double Acting with End Keep	16	10 - 100 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	121 [27]	20 - 500 [0.8 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MGAA...K	Double Acting with End Keep	20	10 - 125 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	185 [42]	20 - 500 [0.8 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]