



BCG Series Basic Cylinders with Guide

It is possible to create all assembly processes with just BC cylinders. Industry leading cycle life. Body extrusion supports Two-color LED sensor switches for simple mounting. H1 grease compatible is standard.

- Double Acting Slide with Precision, Pre-loaded Guides
- Provides Same Thrust in Smaller Envelope with Longer Cycle Life
- Utilizes Standard Integrated 4 mm Sensor Groove
- Corrosion and Heat Resistant Models Available
- Locating Holes Standard for Quick and 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 with Guide

Double Acting with Guide Clean System Compatible with Dust Double Acting with Guide Clean System Compatible without C Double Acting with Guide Corrosion Resistant

Double Acting with Guide Heat Resistant

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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]
BCG	Double Acting with Guide	8	5 - 60 [upon request]	60 [2.4]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCG	Double Acting with Guide	12	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCG	Double Acting with Guide	16	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	141 [32]	105 [24]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCG	Double Acting with Guide	20	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	220 [49]	165 [37]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCG	Double Acting with Guide	25	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	343 [77]	264 [59]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCG	Double Acting with Guide	32	10 - 60 [upon request]	60 [2.4]	Rc 1/8 [upon request]	563 [127]	422 [95]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]

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BCG	Double Acting with Guide	40	10 - 60 [upon request]	60 [2.4]	Rc 1/8 [upon request]	879 [198]	739 [166]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	10	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	12	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	16	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	105 [24]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	20	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	25	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	32	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	40	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	50	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BCG	Double Acting with Guide Clean System Compatible with Dust Collection Ports	63	10 - 100 [upon request]	200 [7.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	6	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	19.8 [4.5]	11 [2.5]	10 - 300 [0.4 - 11.8]	0.12 - 0.7 [17.4 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	8	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	10	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	12	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
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CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	20	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	25	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
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CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	50	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CSL-BCG	Double Acting with Guide Clean System Compatible without Dust Collection Ports	63	10 - 100 [upon request]	200 [7.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BCGR	Double Acting with Guide Corrosion Resistant	8	5 - 60 [upon request]	60 [2.4]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCGR	Double Acting with Guide Corrosion Resistant	12	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
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BCGF	Double Acting with Guide Heat Resistant	8	5 - 60 [upon request]	60 [2.4]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	100 - 300 [3.9 - 11.8]	0.2 - 0.7 [29.0 - 101.5]	0 - 150 [32 - 302]
BCGF	Double Acting with Guide Heat Resistant	12	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	100 - 300 [3.9 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]

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BCGF	Double Acting with Guide Heat Resistant	20	5 - 60 [upon request]	60 [2.4]	M5 x 0.8 [upon request]	220 [49]	165 [37]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
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