



BC Series Basic Cylinders

There is nothing basic about a cylinder series that has been tested to exceed 15 million cycles as compared to the industry average of only 3 million cycles. The BC Series offers the longest lasting, lightest weight, and smallest physical size block cylinder on the market with the most competitive price.

- Industry Leading Cycle Life
- Corrosion and Heat Resistant Models Available
- Utilizes Standard Integrated 4 mm Sensor Groove
- Smallest, Lightweight, Compact
- Low Minimum Operating Pressure - Speeds Down to 10 mm/s
- 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
 Double Acting Double Rod
 Single Acting Pull

Double Acting Clean System with Dust Collection Port
 Double Acting Double Rod Heat Resistant
 Single Acting Pull Corrosion Resistant

Double Acting Clean System without Dust Collection Port
 Double Acting Heat Resistant
 Single Acting Push

Double Acting Corrosion Resistant
 Double Acting Scraper
 Single Acting Push Corrosion 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]
BC	Double Acting	6	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	19.8 [4.5]	11 [2.5]	10 - 500 [0.4 - 19.7]	0.12 - 0.7 [17.4 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	8	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	10 - 500 [0.4 - 19.7]	0.12 - 0.7 [17.4 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	10	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 500 [0.4 - 19.7]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	12	5 - 50 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 500 [0.4 - 19.7]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	16	5 - 50 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	105 [24]	10 - 500 [0.4 - 19.7]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]

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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]
BC	Double Acting	20	5 - 100 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 500 [0.4 - 19.7]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	25	5 - 100 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 500 [0.4 - 19.7]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	32	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	10 - 500 [0.4 - 19.7]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	40	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	10 - 500 [0.4 - 19.7]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	50	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	10 - 500 [0.4 - 19.7]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	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]
BC	Double Acting	80	10 - 100 [upon request]	200 [7.9]	Rc 1/4 [upon request]	3,517 [791]	3,173 [713]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	100	10 - 100 [upon request]	200 [7.9]	Rc 3/8 [upon request]	5,495 [1,235]	5,001 [1,124]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
BC	Double Acting	125	10 - 100 [upon request]	200 [7.9]	Rc 3/8 [upon request]	8,586 [1,930]	7,913 [1,779]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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]

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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]
CS-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System with Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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]
CSL-BC	Double Acting Clean System without Dust Collection Port	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]
CSL-BC	Double Acting Clean System without Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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]
CSL-BC	Double Acting Clean System without Dust Collection Port	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]
CSL-BC	Double Acting Clean System without Dust Collection Port	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]
CSL-BC	Double Acting Clean System without Dust Collection Port	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-BC	Double Acting Clean System without Dust Collection Port	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]
BCR	Double Acting Corrosion Resistant	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.8 [4.5]	11 [2.5]	10 - 500 [0.4 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

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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]
BCR	Double Acting Corrosion Resistant	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	10 - 500 [0.4 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	10	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 500 [0.4 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 500 [0.4 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	141 [32]	105 [24]	10 - 500 [0.4 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	20	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 500 [0.4 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	25	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 500 [0.4 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	32	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	10 - 500 [0.4 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	40	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	10 - 500 [0.4 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	50	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	10 - 500 [0.4 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	63	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	10 - 300 [0.4 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	80	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	3,517 [791]	3,173 [713]	10 - 300 [0.4 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	100	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	5,495 [1,235]	5,001 [1,124]	10 - 300 [0.4 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCR	Double Acting Corrosion Resistant	125	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	8,586 [1,930]	7,913 [1,779]	10 - 300 [0.4 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	11 [2.5]	11 [2.5]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	21.4 [4.8]	21.4 [4.8]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

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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]
BCD	Double Acting Double Rod	10	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	41.2 [9.3]	41.2 [9.3]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	59.4 [13.4]	59.4 [13.4]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	105 [24]	105 [24]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	20	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	165 [37]	165 [37]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	25	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	264 [59]	264 [59]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	32	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	422 [95]	422 [95]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	40	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	739 [166]	739 [166]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	50	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	1,154 [259]	1,154 [259]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	63	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	1,961 [441]	1,961 [441]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	80	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	3,173 [713]	3,173 [713]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	100	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	5,001 [1,124]	5,001 [1,124]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCD	Double Acting Double Rod	125	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	7,913 [1,779]	7,913 [1,779]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCDR	Double Acting Double Rod Heat Resistant	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	11 [2.5]	11 [2.5]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	8	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	21.4 [4.8]	21.4 [4.8]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	10	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	41.2 [9.3]	41.2 [9.3]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]

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BCDR	Double Acting Double Rod Heat Resistant	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	59.4 [13.4]	59.4 [13.4]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	105 [24]	105 [24]	50 - 500 [2.0 - 19.7]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	20	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	165 [37]	165 [37]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	25	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	264 [59]	264 [59]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	32	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	422 [95]	422 [95]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	40	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	739 [166]	739 [166]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	50	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	1,154 [259]	1,154 [259]	50 - 500 [2.0 - 19.7]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	63	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	1,961 [441]	1,961 [441]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	80	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	3,173 [713]	3,173 [713]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	100	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	5,001 [1,124]	5,001 [1,124]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCDR	Double Acting Double Rod Heat Resistant	125	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	7,913 [1,779]	7,913 [1,779]	50 - 300 [2.0 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	6	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	19.8 [4.5]	11 [2.5]	100 - 300 [3.9 - 11.8]	0.2 - 0.7 [29.0 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	8	5 - 30 [upon request]	30 [1.2]	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]
BCF	Double Acting Heat Resistant	10	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	100 - 300 [3.9 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	12	5 - 30 [upon request]	30 [1.2]	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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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]
BCF	Double Acting Heat Resistant	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	141 [32]	105 [24]	100 - 300 [3.9 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	20	5 - 50 [upon request]	50 [2.0]	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]
BCF	Double Acting Heat Resistant	25	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	343 [77]	264 [59]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	32	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	40	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	50	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	63	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	80	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	3,517 [791]	3,173 [713]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	100	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	5,495 [1,235]	5,001 [1,124]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 150 [32 - 302]
BCF	Double Acting Heat Resistant	125	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	8,586 [1,930]	7,913 [1,779]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	10	5 - 30 [upon request]	30 [1.2]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	100 - 300 [3.9 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	12	5 - 30 [upon request]	30 [1.2]	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 - 60 [32 - 140]
BCY	Double Acting Scraper	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	141 [32]	105 [24]	100 - 300 [3.9 - 11.8]	0.1 - 0.7 [14.5 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	20	5 - 50 [upon request]	50 [2.0]	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 - 60 [32 - 140]
BCY	Double Acting Scraper	25	5 - 50 [upon request]	50 [2.0]	M5 x 0.8 [upon request]	343 [77]	264 [59]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]

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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]
BCY	Double Acting Scraper	32	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	40	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	50	10 - 100 [upon request]	100 [3.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	63	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	80	10 - 100 [upon request]	100 [3.9]	Rc 1/4 [upon request]	3,517 [791]	3,173 [713]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	100	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	5,495 [1,235]	5,001 [1,124]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCY	Double Acting Scraper	125	10 - 100 [upon request]	100 [3.9]	Rc 3/8 [upon request]	8,586 [1,930]	7,913 [1,779]	100 - 300 [3.9 - 11.8]	0.08 - 0.7 [11.6 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	6	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	3.45 [0.8]	7.5 [1.7]	50 - 500 [2.0 - 19.7]	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	8	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	7.17 [1.6]	14.3 [3.2]	50 - 500 [2.0 - 19.7]	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	10	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	7.17 [1.6]	34.2 [7.7]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	9.9 [2.2]	49.5 [11.1]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	16.4 [3.7]	88.6 [19.9]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	20	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	16.4 [3.7]	149 [33]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	25	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	20.3 [4.6]	244 [55]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	32	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	33 [7.4]	389 [88]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

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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]
BCTA	Single Acting Pull	40	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	39.5 [8.9]	699 [157]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTA	Single Acting Pull	50	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	53.7 [12.1]	1,100 [247]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	6	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	3.45 [0.8]	7.5 [1.7]	50 - 500 [2.0 - 19.7]	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	8	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	7.17 [1.6]	14.3 [3.2]	50 - 500 [2.0 - 19.7]	0.3 - 0.7 [43.5 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	10	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	7.17 [1.6]	34.2 [7.7]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	9.9 [2.2]	49.5 [11.1]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	16.4 [3.7]	88.6 [19.9]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	20	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	16.4 [3.7]	149 [33]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	25	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	20.3 [4.6]	244 [55]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	32	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	33 [7.4]	389 [88]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	40	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	39.5 [8.9]	699 [157]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCTAR	Single Acting Pull Corrosion Resistant	50	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	53.7 [12.1]	1,100 [247]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	6	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	16.6 [3.7]	3.16 [0.7]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	8	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	28.7 [6.5]	6.5 [1.5]	50 - 500 [2.0 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	10	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	47.8 [10.7]	7.17 [1.6]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

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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]
BCSA	Single Acting Push	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	69.2 [15.6]	9.9 [2.2]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	124 [28]	16.4 [3.7]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	20	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	303 [68]	16.4 [3.7]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	25	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	323 [73]	20.3 [4.6]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	32	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	530 [119]	33 [7.4]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	40	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	840 [189]	39.5 [8.9]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSA	Single Acting Push	50	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	1,320 [297]	53.7 [12.1]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	6	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	16.6 [3.7]	3.16 [0.7]	50 - 500 [20 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	8	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	28.7 [6.5]	6.5 [1.5]	50 - 500 [20 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	10	5 - 15 [upon request]	15 [0.6]	M3 x 0.5 [upon request]	47.8 [10.7]	7.17 [1.6]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	12	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	69.2 [15.6]	9.9 [2.2]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	16	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	124 [28]	16.4 [3.7]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	20	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	303 [68]	16.4 [3.7]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	25	5 - 30 [upon request]	30 [1.2]	M5 x 0.8 [upon request]	323 [73]	20.3 [4.6]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	32	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	530 [119]	33 [7.4]	50 - 500 [20 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]

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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]
BCSAR	Single Acting Push Corrosion Resistant	40	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	840 [189]	39.5 [8.9]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]
BCSAR	Single Acting Push Corrosion Resistant	50	10 - 30 [upon request]	30 [1.2]	Rc 1/8 [upon request]	1,320 [297]	53.7 [12.1]	50 - 500 [2.0 - 19.7]	0.15 - 0.7 [21.8 - 101.5]	0 - 60 [32 - 140]