

BMSL SERIES SINGLE ACTING, LOW HEIGHT CYLINDER

Capacity: 5-150T
Max. Pressure: 700 Bar
Spring Return



The BMSL-series is a spring return, compact flat cylinder designed for use in narrow spaces and areas with low overhead clearance. They can be used in maintenance, machinery leveling, and construction and mining applications. All BMSL-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to resist side load included damage. Mounting holes are standard on all models and a grooved piston rod end improves load grip.

80% **Safety Practices**
Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.

Model	Cylinder Capacity @10,000 PSI (700 BAR)	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed Height		Extended Height	
					A	B	A	B
	Metric Ton	mm	cm ²	cm ³	mm	mm	mm	mm
BMSL-50	5	6	7.1	4.3	33	39		
BMSL-100	10	10	14.5	16	42	55		
BMSL-200	20	11	28.6	31	51	63		
BMSL-300	30	13	42	55	58.5	71		
BMSL-500	50	16	62.1	99	67	83		
BMSL-750	75	16	102.7	164	79	95		
BMSL-1000	100	16	126.8	203	86	102		
BMSL-1500	150	16	198.1	317	100	116		



BELIUM low height cylinder used for lifting bridge

Hardened alloy steel guide ring eliminates over travel and provides support to reduce wear from off center loads

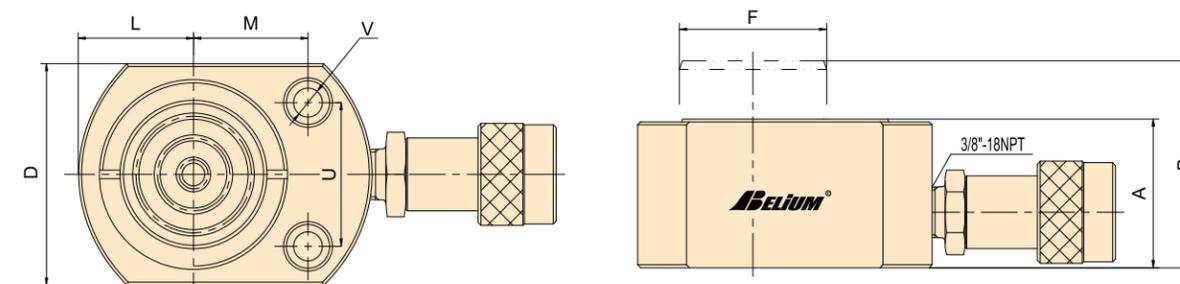
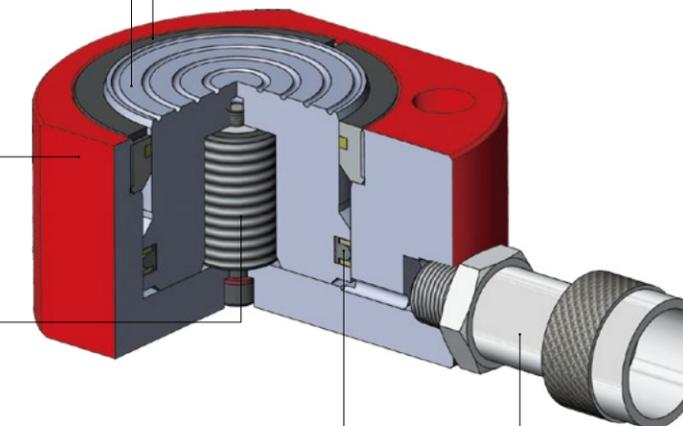
Hardened,chromed, and grooved piston reduces wear and corrosion

High strength alloy steel body is precision machined to reduce wear and features a baked enamel finish for durability and corrosion protection

Heavy-duty, straight pull return springs provide quick retraction times

Industrial seal with backup gaskets prevent costly leaks

High-flow standard coupler provided with dust cover



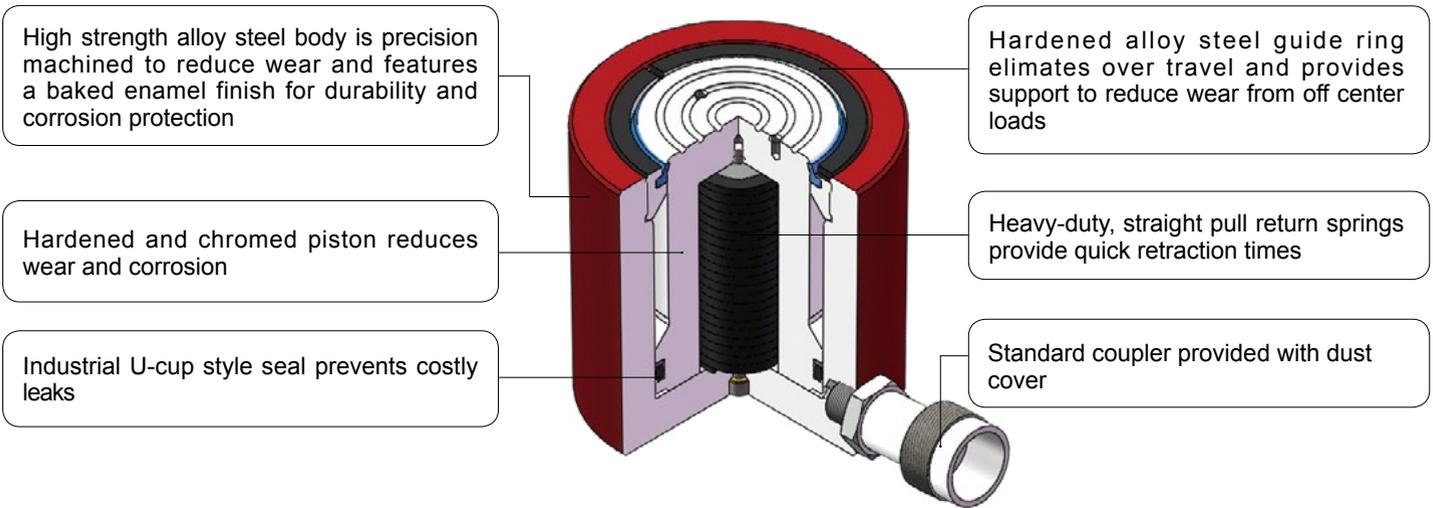
Outside Diameter	Piston Diameter	Top Dimensions				Weight
		M	L	V	U	
D	F	M	L	V	U	kg
mm	mm	mm	mm	mm	mm	
59x42	25	25	21	21	28.5	1
83x56	38	34	28	28	36.5	1.4
101x76	51	39.6	40	40	49	3.1
117x95	66	44.5	48	48	52	4.5
140x114	70	54	57	57	66.5	6.8
165x139	83	66	69	69	76	11.4
178x153	92	74.5	76	76	76	14.5
215x190	115	82	95.5	95.5	117	26.3

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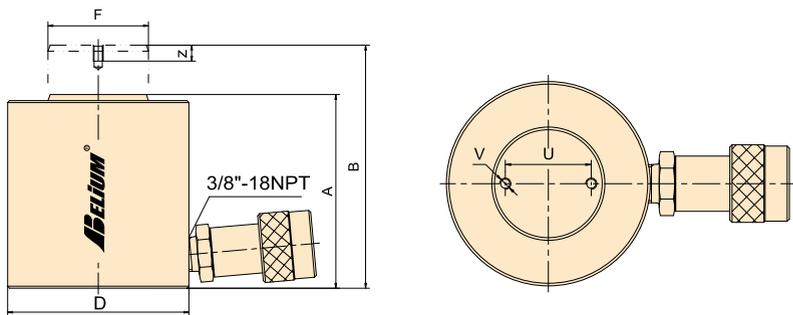
Capacity: 5-100T
 Max. Pressure: 700 Bar
 Spring Return

The BMSL-series is a single acting spring return low profile cylinder. Its compact design combines maximum stroke with low collapsed height.

These cylinders are commonly used in construction, mining, rail and many other industries. They are ideal for jacking, weighing, testing, leveling and general maintenance applications. All BMSL-Series cylinders feature a hard chrome cylinder bore and piston rod for maximum corrosion resistance and bronze overlay piston bearing area to reduce scoring and increase service life. Optional tilt saddles are available for all models.



Safety Practices
 Good industry practice recommends not exceeding 80% of maximum rated capacities of all our products.



Model	Cylinder Capacity @10,000 PSI (700 bar)	Stroke	Cylinder Effective Area	Oil Capacity	Collapsed Height	Extended Height	Outside Diameter	Piston Diameter	Base Fixturing Holes			Weight
					A	B			Bolt Circle	Thread	Thread Depth	
					mm	mm			mm	mm	mm	
BMSL-101	10	38	14.4	55	88	126	69	38	26	M4	8	4
BMSL-201	20	44	28.6	126	98	143	92	51	39.5	M5	8	5
BMSL-302	30	62	41.9	260	117	180	101	66	39.5	M5	8	7
BMSL-502	50	60	62.1	373	122	182	124	70	39.5	M5	8	11
BMSL-1002	100	57	126.9	723	141	198	165	92	55.5	M8	10	23