

BMSF SERIES FLAT JACK CYLINDER

CAPACITY: 5-150T
 MAX. PRESSURE: 700 Bar
 SPRING RETURN



80%

Safety Practices

Good industry practice recommends not exceeding 80% of the max. rated capacity.

The BMSF-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 BMSF-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.

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

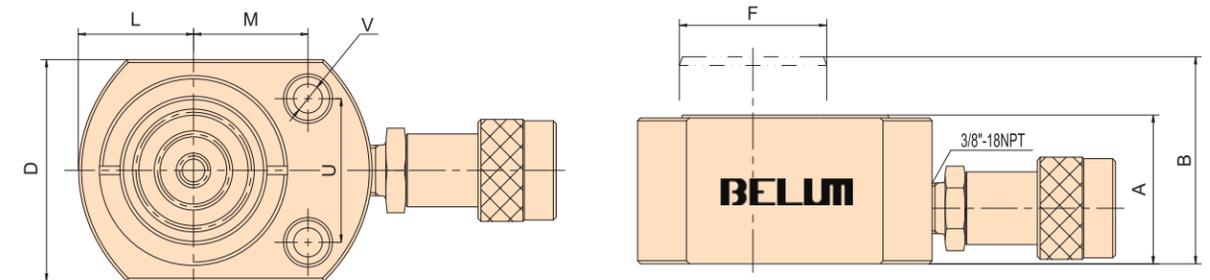
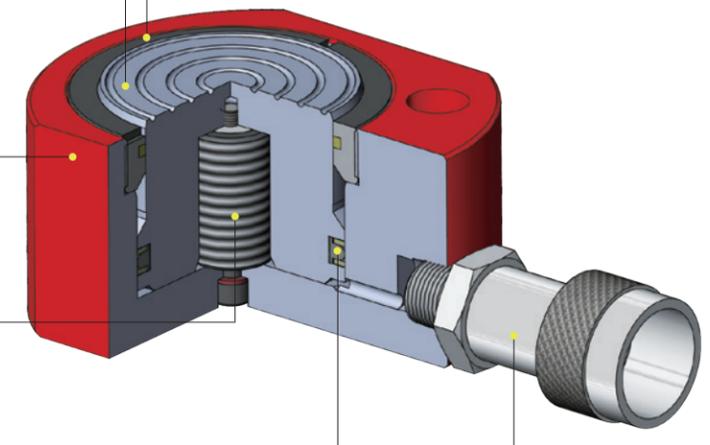
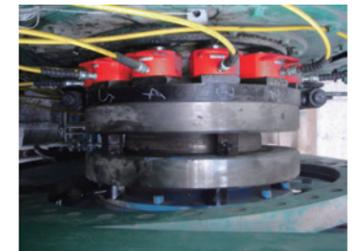
Hardened, chromed, and grooved piston reduces wear and corrosion

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

High quality seals for preventing leaking

High flow female coupler for more efficiency use.



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

Outside Diam.	Piston Diam.	Top Fixtures Hole Size				Weight	Model
		M	L	V	U		
D	F	M	L	V	U	kg	
mm	mm	mm	mm	mm	mm		
59x42	25	25	21	5.5	28.5	1	BMSF-50
83x56	38	34	28	7.1	36.5	1.4	BMSF-100
101x76	51	39.6	40	10	49	3.1	BMSF-200
117x95	66	44.5	48	10	52	4.5	BMSF-300
140x114	70	54	57	11	66.5	6.8	BMSF-500
165x139	83	66	69	13.5	76	11.4	BMSF-750
178x153	92	74.5	76	13.5	76	14.5	BMSF-1000
215x190	115	82	95.5	13.5	117	26.3	BMSF-1500

BMSL SERIES LOW HEIGHT HYDRAULIC CYLINDER

CAPACITY: 10-100T
 MAX. PRESSURE: 700 Bar
 SPRING RETURN



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

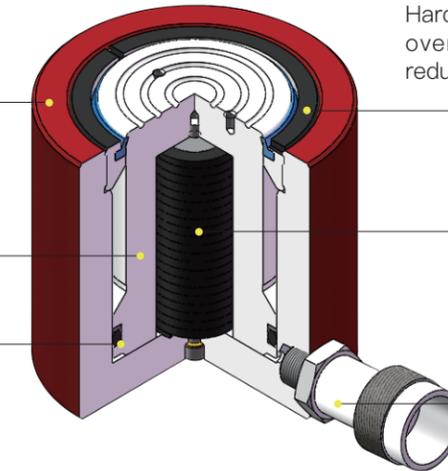
Hardened alloy steel guide ring eliminates over travel and provides support to reduce wear from off center loads

Hardened and chromed piston reduces wear and corrosion

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

Industrial U-cup style seal prevents costly leaks

Standard coupler provided with dust cover

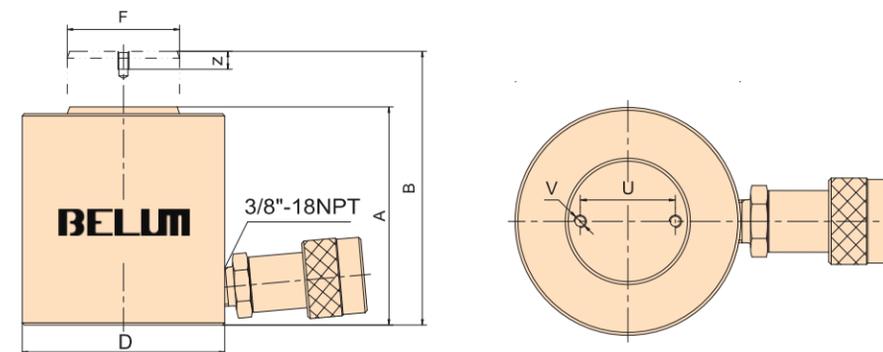


Safety Practices
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BMSL Series JACKS FOR BRIDGE LIFTING

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.



Model	Capacity @10,000 PSI (700 bar)	Stroke	Effective Area	Oil Capacity	Closed Height		Extended Height
	Metric Ton				mm	cm ²	
BMSL-101	10	38	14.4	55	88	126	
BMSL-201	20	44	28.6	126	98	143	
BMSL-302	30	62	41.9	260	117	180	
BMSL-502	50	60	62.1	373	122	182	
BMSL-1002	100	57	126.9	723	141	198	

Outside Diam.	Piston Diam.	Base Mounting Hole			Weight	Model
		Bolt Circle	Thread	Thread Depth		
D	F	U	V	Z	Kg	
69	38	26	M4	8	4	BMSL-101
92	51	39.5	M5	8	5	BMSL-201
101	66	39.5	M5	8	7	BMSL-302
124	70	39.5	M5	8	11	BMSL-502
165	92	55.5	M8	10	23	BMSL-1002