

BMSA SERIES ALUMINUM SINGLE ACTING CYLINDER

CAPACITY: 20-150T
 MAX. PRESSURE: 700 Bar
 SPRING RETURN

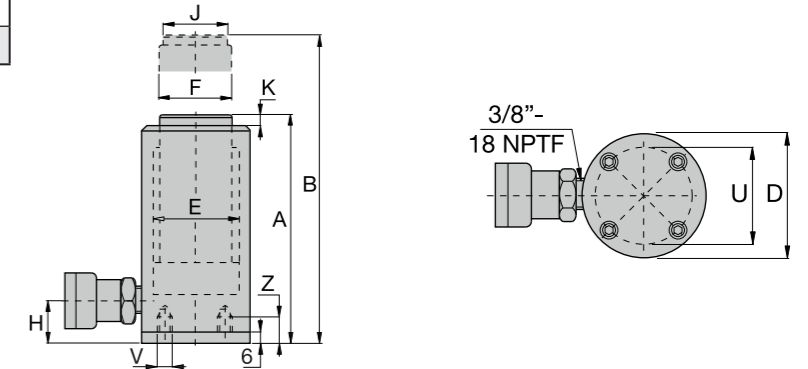
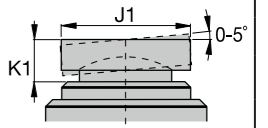


Base Steel Plate

Cylinder Model	Bolt Circle	Thread	Thread Depth
	U mm	V mm	Z mm
BMSA-20	70	M6	12
BMSA-30	80	M6	12
BMSA-50	110	M6	12
BMSA-100	150	M10	12
BMSA-150	200	M10	12

Tilt Saddle Size

Cylinder Model	Saddle Model	Saddle Diam. J1	Saddle Protrusion K1
	mm	mm	mm
BMSA-50	STG-50	50	24
BMSA-100	STG-100	91	31
BMSA-150	STG-150	118	35



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

- Composite bearings prevent metal-to-metal contact, increasing cylinder life and resistance to side-loads of up to 10%
- Hard-Coat finish on all surfaces resists damage and extends cylinder life
- Handles included on all models
- Steel base plate and saddle for protection against load-induced damage
- Integral stop ring prevents plunger over-travel and is capable of withstanding the full cylinder capacity
- High strength return spring for rapid cylinder retraction
- BC-201A coupler and dustcap included on all models
- All cylinders meet ASME B-30.1 and ISO 10100 standards.

Model	Capacity @10,000 PSI (700 bar)	Stroke mm	Effective Area cm ²	Oil Capacity cm ³	Closed Height	Extended Height	Outside Diam.	Bore Diam.	Piston Diam.	Base to Oil Port	Saddle Size	Saddle Protrusion	Weight kg	Model
	ton				A mm	B mm	D mm	E mm	F mm	H mm	J mm	K mm		
BMSA-202	20	50	31.2	156	174	224	85	63	50	27	40	3	3.6	BMSA-202
BMSA-204		100	31.2	312	224	324	85	63	50	27	40	3	4.1	BMSA-204
BMSA-206		150	31.2	468	274	424	85	63	50	27	40	3	4.6	BMSA-206
BMSA-208		200	31.2	624	324	524	85	63	50	27	40	3	5.1	BMSA-208
BMSA-2010		250	31.2	780	374	624	85	63	50	27	40	3	5.6	BMSA-2010
BMSA-302	30	50	44.2	221	181	231	100	75	60	32	40	3	4.5	BMSA-302
BMSA-304		100	44.2	442	231	331	100	75	60	32	40	3	5.2	BMSA-304
BMSA-306		150	44.2	663	281	431	100	75	60	32	40	3	5.9	BMSA-306
BMSA-308		200	44.2	884	331	531	100	75	60	32	40	3	6.6	BMSA-308
BMSA-3010		250	44.2	1105	381	631	100	75	60	32	40	3	7.3	BMSA-3010
BMSA-502	50	50	70.9	354	186	236	130	95	80	30	50	3	8.5	BMSA-502
BMSA-504		100	70.9	709	236	336	130	95	80	30	50	3	9.8	BMSA-504
BMSA-506		150	70.9	1063	286	436	130	95	80	30	50	3	11.1	BMSA-506
BMSA-508		200	70.9	1417	336	536	130	95	80	30	50	3	12.4	BMSA-508
BMSA-5010		250	70.9	1771	386	636	130	95	80	30	50	3	13.7	BMSA-5010
BMSA-1002	100	50	143.1	715	221	271	180	135	110	46	94	3	17.3	BMSA-1002
BMSA-1004		100	143.1	1431	271	371	180	135	110	46	94	3	19.6	BMSA-1004
BMSA-1006		150	143.1	2147	321	471	180	135	110	46	94	3	21.9	BMSA-1006
BMSA-1008		200	143.1	2863	371	571	180	135	110	46	94	3	24.2	BMSA-1008
BMSA-10010		250	143.1	3578	421	671	180	135	110	46	94	3	26.5	BMSA-10010
BMSA-1502	150	50	227	1135	243	293	230	170	140	51	113	3	25.3	BMSA-1502
BMSA-1504		100	227	2270	293	393	230	170	140	51	113	3	29.3	BMSA-1504
BMSA-1506		150	227	3405	343	493	230	170	140	51	113	3	33.3	BMSA-1506
BMSA-1508		200	227	4540	393	593	230	170	140	51	113	3	37.3	BMSA-1508
BMSA-15010		250	227	5675	443	693	230	170	140	51	113	3	41.3	BMSA-15010

All BMSA-cylinders are equipped with bolt-on removable saddles of hardened steel.