

SHOCK ABSORBER SERIES RB

- ✓ Automatic adjustment to the most appropriate absorption performance
- ✓ High resistance to load deviation
- ✓ Double seal enclosure
- ✓ Compact design



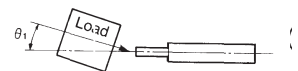
TECHNICAL SPECIFICATIONS

Model	Basic type	RB0806	RB1007	RB1412	RB2015	RB2725
	With cap	RBC0806	RBC1007	RBC1412	RBC2015	RBC2725
Max. energy absorption/Stroke (Nm)		3	6	20	60	150
Stroke (mm)		6	7	12	15	25
Max. impact speed		5m/sec				
Max angle of impact		3°				
Max. operation cycle/min		80	70	45	25	10
Ambient temperature		-10~+80°C				
Spring force	Extended (N)	3.5	6.5	7.0	8.5	9
	Compressed (N)	7.5	9.6	6.3	20.9	20.4
Weight (g)		15	25	65	150	360
Option	Stopper nut	RB08S	RB10S	RB14S	RB20S	RB27S

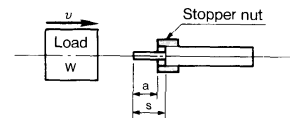
*At maximum energy absorption per cycle. Maximum operation cycle/min can increase in proportion to energy absorption

PRECAUTION

1. Load should always be aligned with the axis of piston rod. (In the case of allowable eccentricity of 3° and more, please contact your SMC regional centre.



2. Adjustment of the stopper nut (to adjust the length a) will control the suspension time of the impacting object.



S: Stroke of shock absorber

HOW TO ORDER SHOCK ABSORBER SERIES RB

RB		○	○
CAP		O/D THREAD-STROKE	
NIL ...Without		0806	
CWith		1007	
		1412	
		2015	
		2725	

STOCKED PRODUCTS
FOR A LIST OF STOCKED PRODUCTS,
PLEASE SEE THE CURRENT SMC PRICE LIST

ACCESSORIES STOPPER NUT

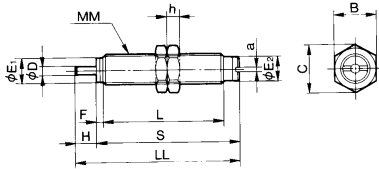
STOPPER NUT	APPLICABLE MODEL
RB08SRB0806
RB10SRB1007
RB14SRB1412
RB20SRB2015
RB27SRB2725

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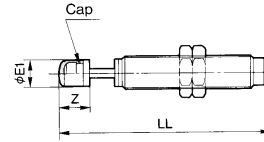
ACCESSORIES SPARE CAP

RB08C
RB10C
RB14C
RB20C
RB27C

DIMENSIONS
BASIC TYPE RB0806•RB1007

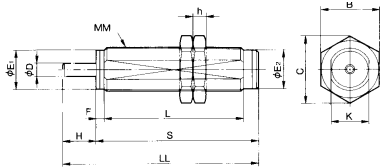


DIMENSIONS
WITH CAP RBC0806•RBC1007

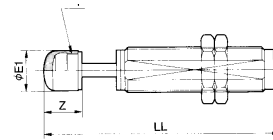


Model		Basic type										With cap			Hexagonal nut		
Basic type	With cap	∅D	∅E ₁	∅E ₂	F	H	a	L	LL	MM	S	∅E ₁	LL	Z	B	C	h
RB0806	RBC0806	2.8	6.8	6.8	2.4	6	1.4	33.2	46.6	M8 x 1.0	40.6	6.8	57.1	10.5	12	13.9	4
RB1007	RBC1007	3	8.6	8.6	2.7	7	1.4	39	53.7	M10 x 1.0	46.7	8.0	63.7	10	14	16.2	4

DIMENSIONS
BASIC TYPE RB1412•RB2015•RB2725

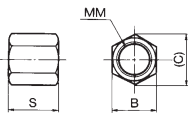


DIMENSIONS
WITH CAP RBC0806•RBC1007

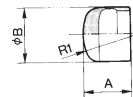


Model		Basic type										With cap			Hexagonal nut		
Basic type	With cap	∅D	∅E ₁	∅E ₂	F	H	K	L	LL	MM	S	∅E ₁	LL	Z	B	C	h
RB1412	RBC1412	5	12.2	12	3.5	12	12	58.2	79.3	M14 x 1.5	67.3	12	92.8	13.5	19	21.9	6
RB2015	RBC2015	6	18.2	18	4	18	18	62.2	88.2	M20 x 1.5	73.2	18	105.2	17	27	31.2	6
RB2725	RBC2725	8	25.2	25	5	25	25	86	124	M27 x 1.5	99	25	147	23	36	41.6	6

DIMENSIONS
STOPPER NUT



DIMENSIONS
CAP



Parts No.	Dimensions			
	B	C	S	MM
RB08S	12	13.9	6.5	M8 x 1.0
RB10S	14	16.2	8	M10 x 1.0
RB14S	19	21.9	11	M14 x 1.5
RB20S	27	31.2	16	M20 x 1.5
RB27S	36	41.6	22	M27 x 1.5

Parts No.	Dimensions		
	A	∅B	R1
RB08C	6.5	6.8	6
RB10C	9	8.7	7.5
RB14C	12.5	12	10
RB20C	16	18	20
RB27C	21	25	25