

Shock Absorber Series *RB*

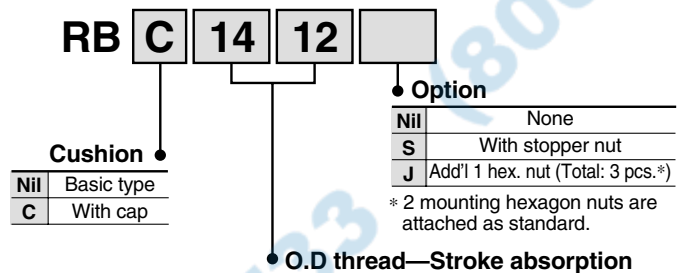
Specifications

Model	Basic type	RB0805	RB0806	RB1006	RB1007	RB1411	RB1412	RB2015	RB2725
	With cap	RBC0805	RBC0806	RBC1006	RBC1007	RBC1411	RBC1412	RBC2015	RBC2725
Max. energy absorption (J)		0.98	2.94	3.92	5.88	14.7	19.6	58.8	147
Stroke absorption (mm)		5	6	6	7	11	12	15	25
Collision speed (m/s)		0.05 to 5.0							
Max. operating frequency* (cycle/min)		80	80	70	70	45	45	25	10
Max. allowable thrust (N)		245	245	422	422	814	814	1961	2942
Ambient temperature range (°C)		-10 to 80 (No freezing)							
Spring force (N)	Extended	1.96	1.96	4.22	4.22	6.86	6.86	8.34	8.83
	Retracted	3.83	4.22	6.18	6.86	15.30	15.98	20.50	20.01
Weight (g)	Basic type	15	15	23	23	65	65	150	350
	With cap	16	16	25	25	70	70	165	400

* It denotes the values at the maximum energy absorption per one cycle.
Max. operation cycle/min can increase in proportion to energy absorption.



How to Order



Replacement part no./Cap (Resin part only)

RBC 08 C

Applicable model

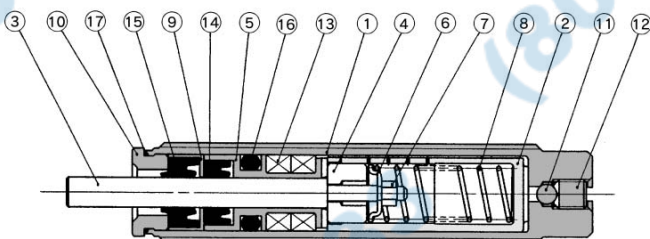
08	RBC0805, 0806	20	RBC2015
10	RBC1006, 1007	27	RBC2725
14	RBC1411, 1412		

Cap

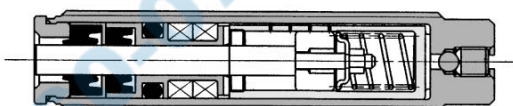
Cap cannot be mounted for basic type. Please place an order with cap type from the beginning.

Construction

Extended



Compressed



Component Parts

No.	Description	Material	Treatment
①	Outer tube	Rolled steel	Gray coated
②	Inner tube	Special steel	Heat treated
③	Piston rod	Special steel	Electroless nickel plated
④	Piston	Special steel	Heat treated
⑤	Bearing	Special bearing material	
⑥	Spring guide	Carbon steel	Zinc chromated
⑦	Lock ring	Copper	
⑧	Return spring	Piano wire	Zinc chromated
⑨	Seal holder	Copper alloy	
⑩	Stopper	Carbon steel	Zinc chromated
⑪	Steel ball	Bearing steel	
⑫	Set screw	Special steel	
⑬	Accumulator	NBR	Foam rubber
⑭	Rod seal	NBR	
⑮	Scraper	NBR	
⑯	Gasket	NBR	
⑰	Gasket	NBR	Only RB(C)2015, 2725